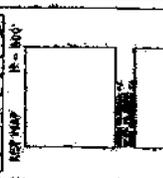


**APPENDIX D**



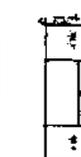
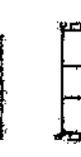
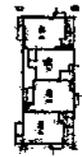


DATE: 10-1-67  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 PROJECT: [Name]



NO.	DATE	REVISION
1	10-1-67	ISSUED FOR PERMITS
2		
3		

**KEY BUILDING CODE**



**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODES.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL ELECTRICAL CODES.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL FIRE AND LIFE SAFETY CODES.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL SAFETY CODES.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL HEALTH AND SAFETY CODES.
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL ENVIRONMENTAL CODES.
8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL ACCESSIBILITY CODES.
9. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL SUSTAINABILITY CODES.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL RESILIENCE CODES.

**MAIN STREET INFORMATION**

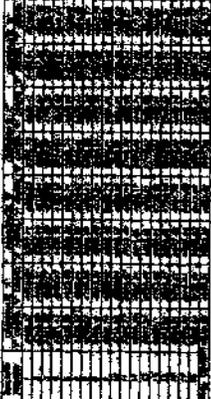
**LINE TABLE**

STATION	DESCRIPTION
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0+10	CURVE BEGINS
0+20	END OF CURVE
0+30	END OF MAIN STREET

**CURVE TABLE**

STATION	CHORD BEARS	CHORD CURVES	CHORD TANGENTS
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0+20	100.00	100.00	100.00
0+30	100.00	100.00	100.00

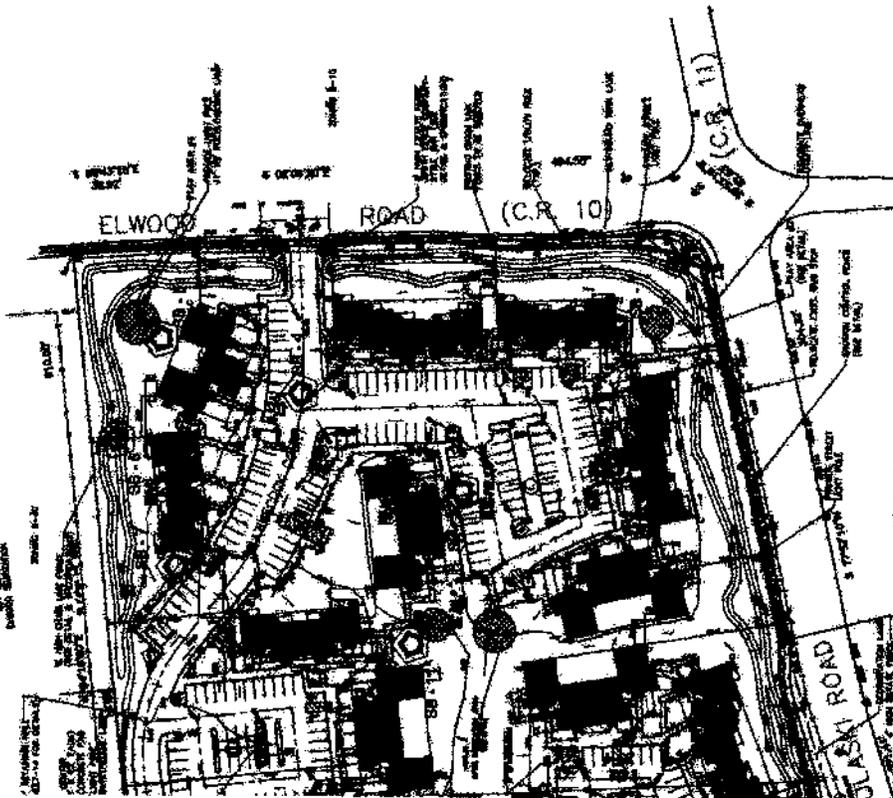
**BUILDING LAYOUT INFORMATION**



NO.	DESCRIPTION	AREA	PERCENT
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3	Room 103	100.00	10.00
4	Room 104	100.00	10.00
5	Room 105	100.00	10.00
6	Room 106	100.00	10.00
7	Room 107	100.00	10.00
8	Room 108	100.00	10.00
9	Room 109	100.00	10.00
10	Room 110	100.00	10.00

**PERMITS REQUIRED**

1. BUILDING PERMIT  
 2. MECHANICAL PERMIT  
 3. ELECTRICAL PERMIT  
 4. PLUMBING PERMIT  
 5. FIRE ALARM PERMIT  
 6. LIFE SAFETY PERMIT  
 7. ENVIRONMENTAL PERMIT  
 8. ACCESSIBILITY PERMIT  
 9. SUSTAINABILITY PERMIT  
 10. RESILIENCE PERMIT

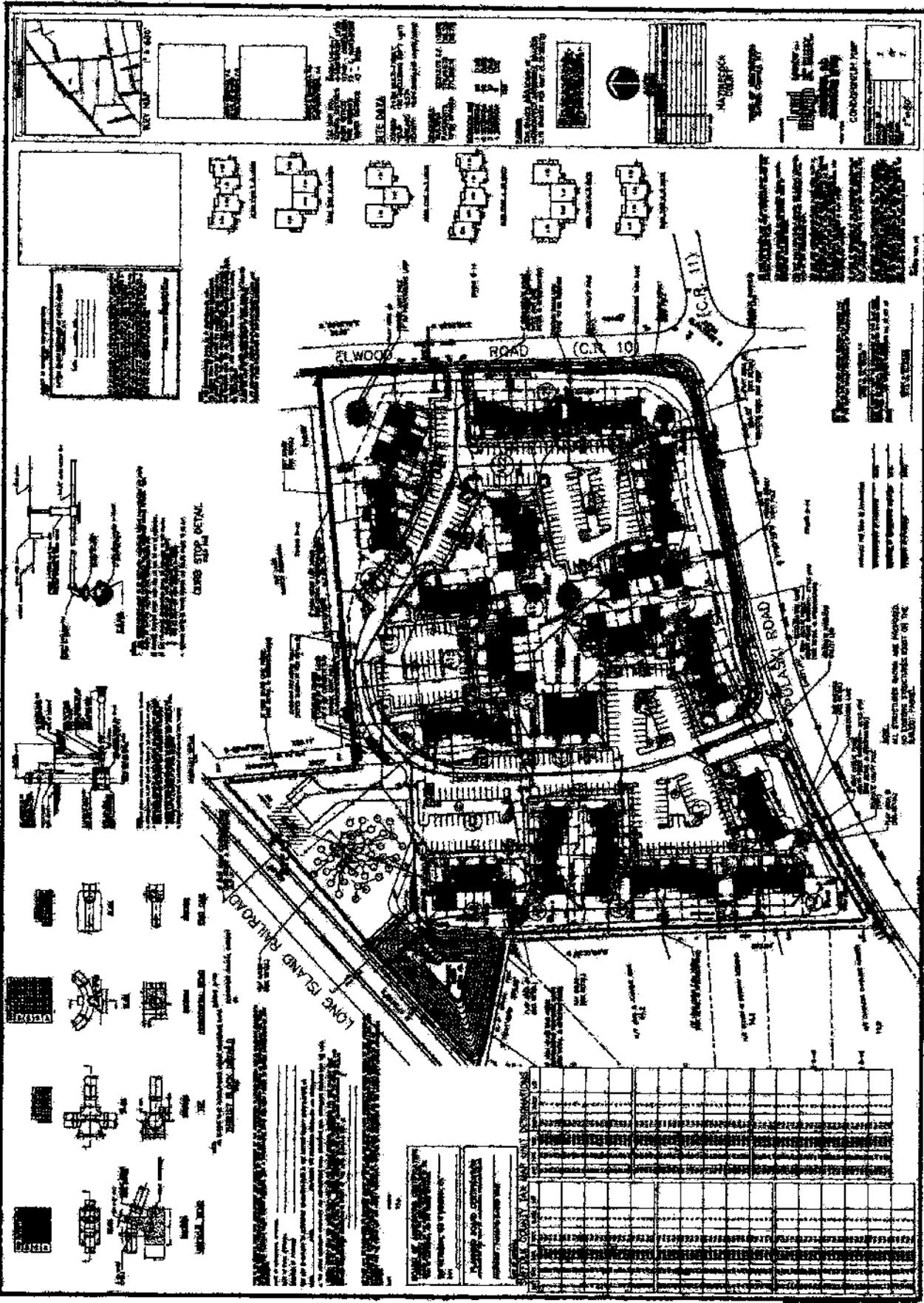


DATE: 10-1-67

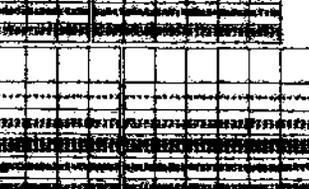
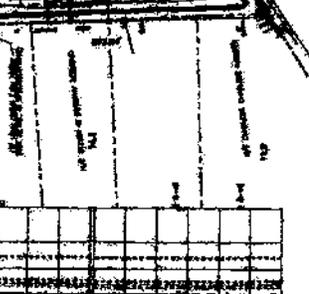
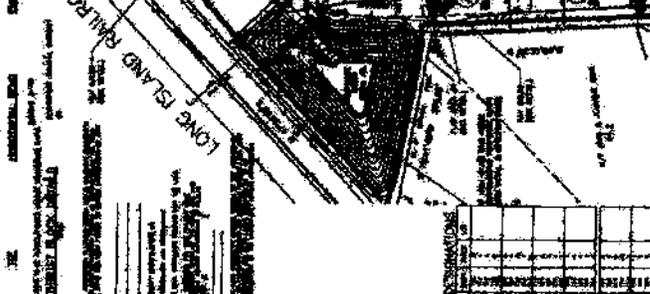
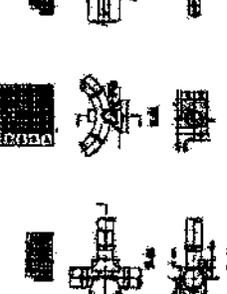
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PROJECT: [Name]

NO. 101



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**SHEET NO.:** [redacted]  
**DATE:** [redacted]  
**DRAWN BY:** [redacted]  
**CHECKED BY:** [redacted]  
**SCALE:** [redacted]



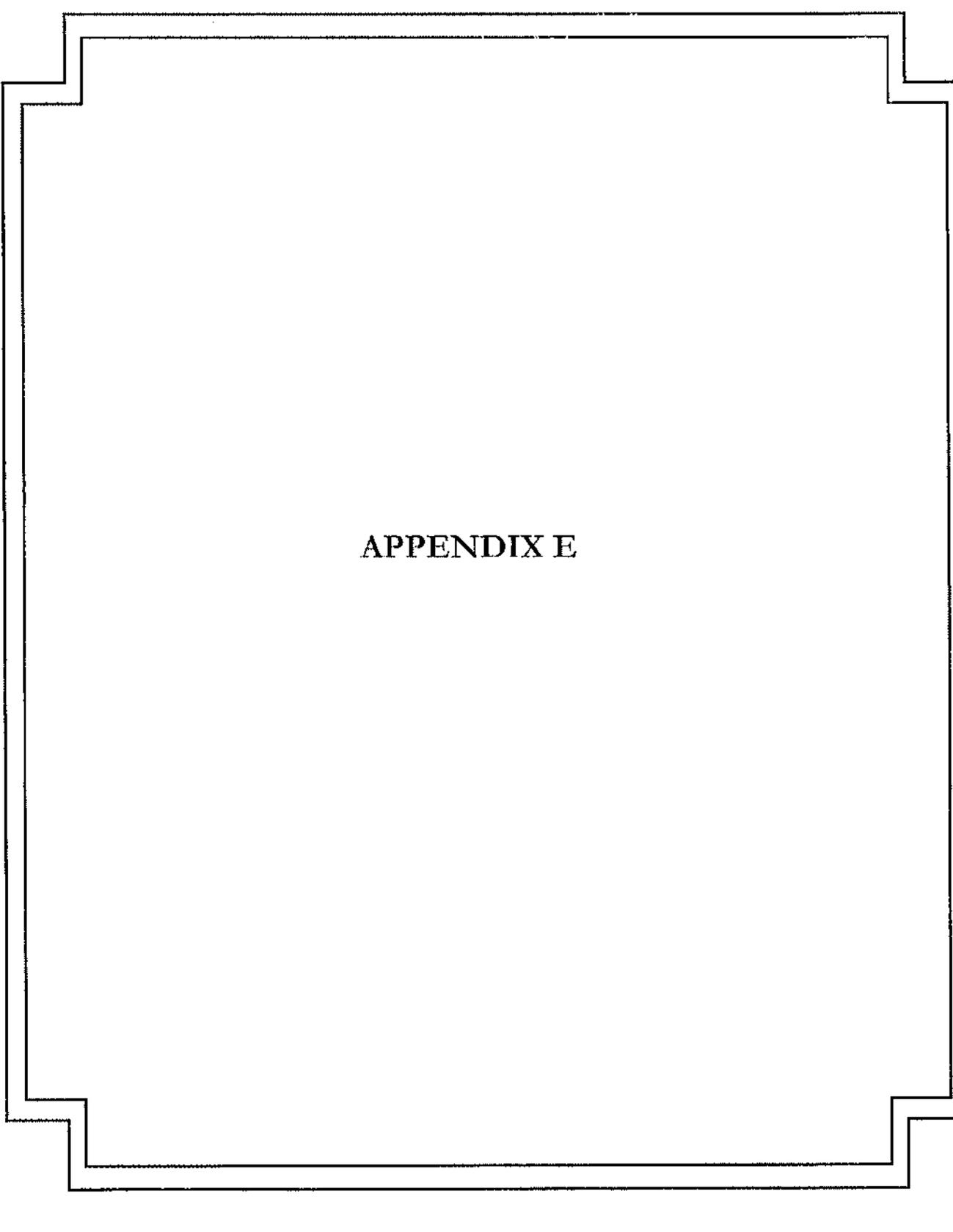
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100	REVISION	1/15/59	[redacted]



## Meeting Housing Help

7/31/06

<u>Name</u>	<u>Representing</u>	<u>Phone #</u>
Wayne Miller	RMS Spinning	631-211-0516
Mark Markov		"
George G... KEBA SINDISCALCHI	NCDA MH	631-351-2881 631-754-0373
MARIAN TUCKER	SUFFOLK COUNTY	863-6400
William Hillman	SCDFW	852-1002
Charles J. Mangano	TOH	631-351-3196
Bob Mannello	LAND DESIGN	549-4744
Anthony Aloisio	TOH	631-351-3196
Susan Laguille	MHI	



**APPENDIX E**



**RMS ENGINEERING**  
Robinson, Muller & Schiavone Engineers, P.C

July 27, 2007

Mr. John Dearstyne, Records Access Officer  
New York State Department of Transportation  
50 Wolf Road  
6<sup>th</sup> Floor  
Albany, NY 12232

Dear Mr. Dearstyne

I am requesting a Verbal Description Report for the latest three (3) years that data is available for the following roadway segments and intersections in Town of Huntington, Suffolk County:

Roadway Segments:

1. Pulaski Road (CR 11) from Stony Hollow Road to Elwood Road (CR 10)
2. Elwood Road (CR 10) from Pulaski Road (CR 11) to Laurel Hill Road.

Intersections:

1. Pulaski Road (CR 11) @ Stony Hollow Road
2. Pulaski Road (CR 11) @ Elwood Road (CR 10)
3. Elwood Road (CR 10) @ School Driveway

I understand that there are costs regarding the Verbal Description Report. If you can please call me or email me at [jlazarczyk@rmsengineering.com](mailto:jlazarczyk@rmsengineering.com), I will be able to have payment shipped to you overnight.

For your convenience, I have attached a copy of Suffolk County Hagstrom Map Number 7.

I thank you in advance for your assistance and I look forward to your correspondence regard the monies owed for this request.

Very Truly Yours,

Jeffrey A. Lazarczyk  
Project Manager

cc: Kim Gennaro, Freudenthal & Elkowitz



**"TWELFTH NIGHT"**—The Arena Players Repertory Company will be presenting "Twelfth Night," William Shakespeare's popular comedy, in front of the Carriage House at the Vanderbilt Museum. The play will run from July 6 through August 26, and performances are Fridays and Saturdays at 8 p.m. and Sundays at 7 p.m. Admission is \$15. The museum is located at 180 Little Neck Road in Centerport. For reservations or more information, call 516-293-0674 or visit [www.arenaplayers.org](http://www.arenaplayers.org).

## VOTING RIGHTS FOR NON-CITIZENS

FROM Page 2  
the flag and everything it stands for," Edgington explained.

In addition, opponents stated that during the time period when non-citizens were allowed to vote in municipal elections, a number of abuses took place that exploited the immigrant population.

"The practice led to a wide-scale election fraud and election abuse, in which immigrants were recruited, often with payment, to vote for a certain candidate," said Jack Martin, special projects director for

become a citizen," Hayduk commented, noting that, in 1795, it took two years to become a citizen, which simply involved a judge swearing the person in.

Today, the naturalization process can take between eight and 10 years, he said. Wucker added that before immigrants can even apply for citizenship, they must be living in the US for at least five years.

But Martin said the process of citizenship is an "important" part of earning the right to vote. "The naturalization process is designed to make sure that those people

## IMPROVEMENTS PLANNED FOR ELWOOD & PULASKI INTERSECTION

**EXPERIENCE**  
Suffolk County Executive Steve Levy recently signed a resolution authorizing funds to begin improvements to the intersection of County Road 10/Elwood Road and CR 11/Pulaski Road in the town of Huntington.

According to Levy, the resolution allocates money for the design of the planned improvements to this busy intersection. The project will incorporate the addition of right lanes for southbound, eastbound and westbound traffic, and a new traffic signal with designated left-turn lanes.

"This project will increase safety and capacity and reduce gridlock at this key intersection," Levy stated.

According to Gilbert Anderson, commissioner of the Suffolk County Department of Public Works, traffic consultants deemed the project necessary, as this is "a high accident intersection. There are children walking to and from schools in the area, which makes it even more treacherous."

Anderson continued, "The project is in the conceptual stage right now. I've met with the community to get feedback from them. We are requesting proposals as we speak. We are just at the beginning of the engineering phase right now."

Before anything can happen, Anderson stated that the county needs to

acquire a small piece of property on the northwest corner and another on the northeast corner. Right now the northwest corner has vacant land and the west corner has vacant land and the county isn't sure what will be developed there. On the northeast corner is an elementary school. The county needs to buy the small strips of property so that they can create turning lanes.

"We can't move forward until we can acquire the land," Anderson explained. "We'll need a 10-foot strip off the western side to add a lane and probably only a foot off the eastern side and a few feet on the northern side. We will try to minimize the impact on the school."

Anderson predicts that the property acquisition will take approximately two years, then "another year to complete construction plans, which takes us to 2010, so we won't be beginning the construction until 2011." Any construction costs will be funded by the county.

"The intersection of Pulaski and Elwood roads has become increasingly hazardous over the years for pedestrians as well as drivers," stated Suffolk County Legislator Jon Cooper (D-Huntington). "The extremely high rate of accidents prompted Suffolk County to make safety improvements to this intersection a priority. I thank my colleagues and the county executive for their support of this very important project."



COUNTY OF SUFFOLK



STEVE LEVY  
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF PUBLIC WORKS

THOMAS LAGUARDIA, P.E.  
CHIEF DEPUTY COMMISSIONER

GILBERT ANDERSON, P.E.  
COMMISSIONER

LOUIS CALDERONE  
DEPUTY COMMISSIONER

May 15, 2007

Mr. Wayne Muller, P.E.  
RMS Engineering, P.C.  
355 New York Avenue  
Huntington, N.Y. 11743

Re: CR 10, Elwood Road @ CR 11, Pulaski Road, Northport  
Matinecock Court – SCTM #0400-114-04-007

Dear Mr. Muller:

Please refer to your April 20, 2007 letter providing additional information, a Supplemental Traffic Analysis report and plan for the proposed Matinecock Court development. We have reviewed your analyses and concur with the conclusions stated in your letter.

A permit from this Department will be required pursuant to Section 136 of the Highway Law for any improvements this Department deems necessary along the County right-of-way.

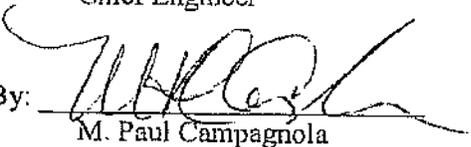
Before a permit is issued by this Department for these improvements, documentation pursuant to Section 239f of the New York State General Municipal Law must be forwarded to us from the Town Building Department for our review and comments.

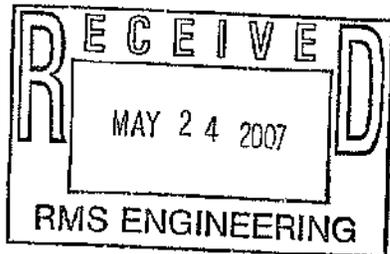
If you have any additional questions, please feel free to call this office at 852-4100.

Very truly yours,

William Hillman, P.E.  
Chief Engineer

By:

  
M. Paul Campagnola  
Director of Highway Planning & Permits



2003-080

WH:MPC:dm

SUFFOLK COUNTY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

# COUNTY OF SUFFOLK



STEVE LEVY  
SUFFOLK COUNTY EXECUTIVE

## DEPARTMENT OF PUBLIC WORKS

GILBERT ANDERSON, P.E.  
COMMISSIONER

THOMAS LAGUARDIA, P.E.  
CHIEF DEPUTY COMMISSIONER

LOUIS CALDERONE  
DEPUTY COMMISSIONER

April 16, 2007

Charles J. Mangano  
Environmental Planner  
Town of Huntington  
Department of Planning & Environment  
Town Hall, 100 Main Street  
Huntington, N.Y. 11743-6991

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**Re: CR 10, Elwood Road & CR 11, Pulaski Road  
Matinecock Court - SCTM# 0400-114-04-007**

Dear Mr. Mangano:

Please refer to your November 9, 2006 letter and our more recent conversation last week regarding improvements to the signalized intersection of CR 11, Pulaski Road and CR 10, Elwood Road and specifically your request to improve the northbound level of service on CR 10, Elwood Road.

As part of the signal upgrade and intersection improvement, we will be constructing a northbound right turn lane from CR 10, Elwood Road to eastbound CR 11, Pulaski Road. This exclusive right turn lane will improve the northbound level of service.

In addition, we expect to obtain a dedication from the developers of Matinecock Court and hopefully from the East Northport School District at the Elementary School on the north east corner that will provide both an exclusive right turn lane from southbound Elwood Road to westbound Pulaski Road and two westbound thru lanes along Pulaski Road (transitioning to one westbound lane just west of the intersection).

We expect to use consultant services to assist us in preparing the dedication maps and per our tentative capital program, we are hopeful that the dedications can be acquired by April for a subsequent construction to begin in June 2010.

DIRECTOR	
DEPUTY DIR	
ASST. DIRECTOR	
C.M.	
AGENDA	
ADDED STARTER	
DEPT 10	CORE

SUFFOLK COUNTY IS AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

Mr. Charles J. Mangano

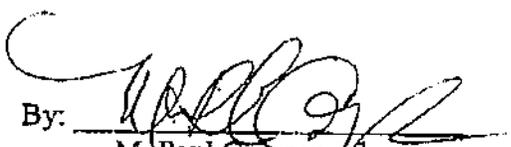
Page 2

April 16, 2007

If you have any questions or require additional information concerning this matter, contact myself or Mr. Paul Campagnola, Director of Highway Planning and Permits at 852-4100.

Very truly yours,

William Hillman, P.E.  
Chief Engineer

By:   
M. Paul Campagnola  
Director of Planning & Permits

WH:MPC:dm

Post-it* Fax Note	7671	Date	4/25/07	# of pages	2
To	Kim Genaro	From	C. Mangano		
Co./Dept.	Freud. + Elkov.	Co	T.O.H. Planning		
Phone #	499-2222	Phone #	351-3196		
Fax #	499-5928	Fax #	351-3257		



Christopher W. Robinson, PE, President  
Wayne A. Muller, PE, Vice President  
Gregg J. Schiavone, PE, Vice President

April 20, 2007

**VIA OVERNIGHT CARRIER**

William Hillman, P.E. - Chief Engineer  
c/o Paul Campagnola  
Suffolk County Department of Public Works  
335 Yaphank Avenue  
Yaphank, New York 11980

Re: Matinecock Court  
SCTM No. 0400-114-04-007  
RMS Job No. 2003-080

Dear Mr. Hillman and Mr. Campagnola:

We are hereby providing the additional information and analyses discussed in our meeting of March 27, 2007.

As indicated in correspondence dated March 1, 2006 (copy attached):

*"This Department has reviewed various plans for development at the referenced parcel since 1995. Over the years, we have consistently stated that all access to this development should be by way of CR 10, Elwood Road. The plans must be revised to show full access onto CR 10 located of a [sic] minimum distance of 450 ft. north of the signalized intersection at CR 11, Pulaski Road, with a gated, unpaved emergency access onto CR 11, located as far from the signalized intersection as possible.*

*The developer will be responsible for providing a northbound turn lane into this site on CR 10, as well as dedications along the site's CR 10 and CR 11 frontage, to provide for the construction of a southbound right turn lane and an additional westbound through lane, which the developer must construct prior to occupation of units within this development. In turn, our Department will perform all necessary modifications to the existing signal, as well as utility relocations.*

*The traffic study should include an analysis of accidents on CR 10 and CR 11 in the vicinity of this site, including the signalized intersection.*

*A permit from this Department will be required pursuant to Section 136 of the Highway Law for the proposed access and improvements this Department deems necessary along the County right-of-way.*

Page 2

*Before a permit is issued by this Department for these improvements, documentation pursuant to Section 239F of the New York State General Municipal Law must be forwarded to us from the Town Building Department for our review and comments.*

*Plans have been forwarded to our Transportation Section for their review and comment. Improvements relating to public transportation may be necessary to be installed under a permit from this Department.*

*Plans must be revised to show existing edge of pavement elevations along the site's entire CR 10 and CR 11 frontage to determine drainage requirements. Also, any existing drainage systems and or structures on these County roads in the vicinity of this project should be shown on the plans.*

*The developer should provide unobstructed pedestrian and wheelchair accessibility from the County right-of-way to the proposed facility.*

*The access must provide unimpeded movement onto the site from CR 10 for a minimum distance of 75 ft. This precludes the installation of medians, gates, planters and/or signs in the driveway.*

*Due to the nature of this site, significant clearing and/or grading is required. Therefore, the applicant must obtain a construction access permit. We, hereby, request the Town's Building Department withhold any building or clearing permits until said construction access permit is executed through this Department. We will issue a temporary construction access permit upon receipt of an acceptable site plan."*

In response to the above comments, a meeting was held on July 27, 2006 with representatives of the SCDPW, Suffolk County Director of Affordable Housing, Town of Huntington Planning Department, Town of Huntington Community Development Agency, the applicant, and the project site engineer and traffic engineer. At the direction of the SCDPW, an Alternative Plan was prepared and is enclosed. The Alternative Plan provides full access on Elwood Road, approximately 370 feet north of the intersection of Pulaski Road (CR 11) and Elwood Road (CR 10), and restricted access on Pulaski Road (CR 11), prohibiting exiting left turns, approximately 700 feet west of the aforementioned intersection.

Also discussed at the meeting were the potential improvements to the intersection of Pulaski Road (CR 11) and Elwood Road (CR 10), Elwood Road (CR 10) and pedestrian accommodations along Elwood Road (CR 10). The construction of an exclusive southbound right turn lane and two westbound receiving lanes that merge into one lane approximately 700 feet west of the intersection, was discussed for the intersection of Pulaski Road (CR 11) and

Elwood Road (CR 10). Should these physical improvements be implemented, the traffic signal timing will be adjusted accordingly.

The following improvements were also considered: the construction of a two-way left-turn lane along Elwood Road (CR 10), from the intersection of Pulaski Road (CR 11) and Elwood Road (CR 10) to the LIRR tracks, as well as the construction of a sidewalk on Elwood Road. Sidewalk is currently proposed along the site frontage on Pulaski Road (CR 11), as depicted on the proposed site plan.

As depicted on the proposed site plan (copy enclosed), a deceleration lane was proposed for westbound traffic on Pulaski Road entering the site. Under the Alternative Plan, incorporating the County's improvements, it was decided that this deceleration lane would result in motorist confusion due to its proximity to the end of the taper of the two receiving lanes that would extend from the above-mentioned intersection. Therefore, under the Alternative Plan, no acceleration or deceleration lanes would be provided at the site access driveway on Pulaski Road (CR 11).

This firm performed a revised traffic analysis, which incorporates 2006 traffic volume data collected while school was in session (copy enclosed). These volumes were analyzed using the procedures outlined in the original report and adhere to the requirements set forth by the reviewing agencies.

Manual traffic counts were performed for the original and revised 2006 analysis. The revised data was collected on, Wednesday, May 17, 2006 from 7:00 am to 9:00 am and from 2:00 pm to 7:00 pm (this incorporates the school dismissal period). Data were also collected on Saturday, May 13, 2006 from 11:00 am to 2:00 pm. These volumes are presented in the 2006 analysis contained in Appendix E. The analysis included the evaluation of the proposed plan (exclusive access on Pulaski Road) and the Alternative Plan (access on both Pulaski Road and Elwood Road) with the revised 2006 traffic volumes. The "Existing" and "No Build" time periods were analyzed for existing conditions only. The proposed plan was analyzed with and without the implementation of the improvements, which were discussed with SCDPW representatives. As the Alternative Plan proposes access on Elwood Road (CR 10), it was analyzed assuming the aforementioned improvements are implemented.

The results of the 2006 analysis that evaluates the proposed site plan and the Alternative Plan are as follows:

Proposed Site Plan:

- Upon the introduction of the site-generated traffic, the intersection of Pulaski Road (CR 11) and Elwood Road (CR 10) will experience a minor increase in delay and no

degradation in the level of service ("LOS") during the time periods studied. There is no mitigation required at this location;

- Upon the implementation of the improvements proposed by Suffolk County, the intersection, from an overall perspective, experiences a decrease in delay and an improvement in LOS during the AM and Saturday peak hour. The PM peak hour experiences a decrease in delay and no significant change in LOS, from an overall perspective;
- Upon the introduction of the site-generated traffic, the intersection of Pulaski Road (CR 11) at Stony Hollow Road will experience an imperceptible increase in delay and no degradation in LOS during the time periods studied. There is no mitigation required at this location;
- Upon the introduction of the site-generated traffic, the intersection of Elwood Road (CR 10) and the South School Driveway will experience an imperceptible increase in delay and no degradation in LOS during the time periods studied. There is no mitigation required at this location; and
- Upon the introduction of the site-generated traffic, the proposed unsignalized site driveway on Pulaski Road (CR 11) will operate at acceptable Levels of Service during the peak hours studied.

Alternative Plan:

- Upon the implementation of the improvements proposed by Suffolk County at the intersection of Pulaski Road (CR 11) at Elwood Road (CR 10), the introduction of the site-generated traffic will result in a decrease in delay and an improvement in LOS during the AM and Saturday peak hour. The PM peak hour experiences a decrease in delay and no significant change in LOS from an overall perspective;
- Upon the introduction of the site-generated traffic, the intersection of Pulaski Road (CR 11) at Stony Hollow Road will experience an imperceptible increase in delay and no degradation in LOS during the time periods studied. There is no mitigation required at this location;
- Upon the introduction of the site-generated traffic, the intersection of Elwood Road (CR 10) and the South School Driveway will experience an imperceptible increase in delay and no degradation in LOS during the time periods studied. There is no mitigation required at this location;

- Upon the introduction of the site-generated traffic, the proposed unsignalized site driveway on Pulaski Road (CR 11) will operate at acceptable Levels of Service during the peak hours studied; and
- Upon the introduction of the site-generated traffic, the proposed unsignalized site driveway on Elwood Road (CR 10) will operate at acceptable Levels of Service during the peak hours studied.

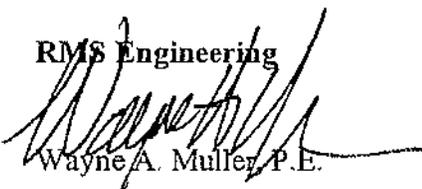
The LOS results are summarized in Tables 1 through 5 within the traffic analysis included herein. Upon review of these tables it can be seen that upon implementation of the County improvements there are no clear advantages of the original proposal when compared to the Alternative Plan and vice versa. However, from a traffic engineering perspective, multiple access driveways will promote enhanced internal circulation as well as circulation to and from the site.

In response to your request for an analysis of accidents on CR 10 and CR 11 in the vicinity of this site, including the signalized intersection, we obtained accident data from the NYSDOT for the most recent 36-month period available (Jan 2000 to December 2002). This data was summarized using the Highway Analysis Software v3.0 (HSA 3.0). The proposed improvements at this intersection are intended to improve traffic conditions as well as traffic safety. The upgraded signals, coordinated system and pedestrian accommodations should improve the overall safety of the intersection. The traffic accident data is summarized in Table 7 of the enclosed traffic analysis. Details of the accident data are contained in the enclosed traffic analysis.

If you have any questions, please contact me.

Sincerely,

RMS Engineering

  
Wayne A. Muller, P.E.

cc: S. Lagville  
K. Gennaro

**Enclosures:**

**2 copies of the proposed site plan, alternative plan, sign-in sheet from meeting and supplemental traffic analysis**





## Meeting Housing Help

7/8/06

<u>Name</u>	<u>Representing</u>	<u>Phone #</u>
Wayne Mutter	RMS Engineering	631-211-0576
Matt Matkara	"	"
George Grant	HCDIA	631-351-2881
KEBA JIWISCALCHI	HH	631 7540373
Marian Zucker	SUFFOLK COUNTY	853-6420
Lillian Hillman	SCDPW	852-4002
Charles J. Mangano	TOH	631-351-3196
Bob Mannicko	LAND DESIGN	549-4744
Anthony Aloisio	TOH	631-351-3196
Susan Lagville	HHI	

# **HOUSING HELP AT MATINECOCK COURT**

**TOWN OF HUNTINGTON  
SUFFOLK COUNTY, NEW YORK**

**SUPPLEMENTAL TRAFFIC ANALYSIS  
RMS JOB NO.2003-080**

**APRIL 20, 2007**



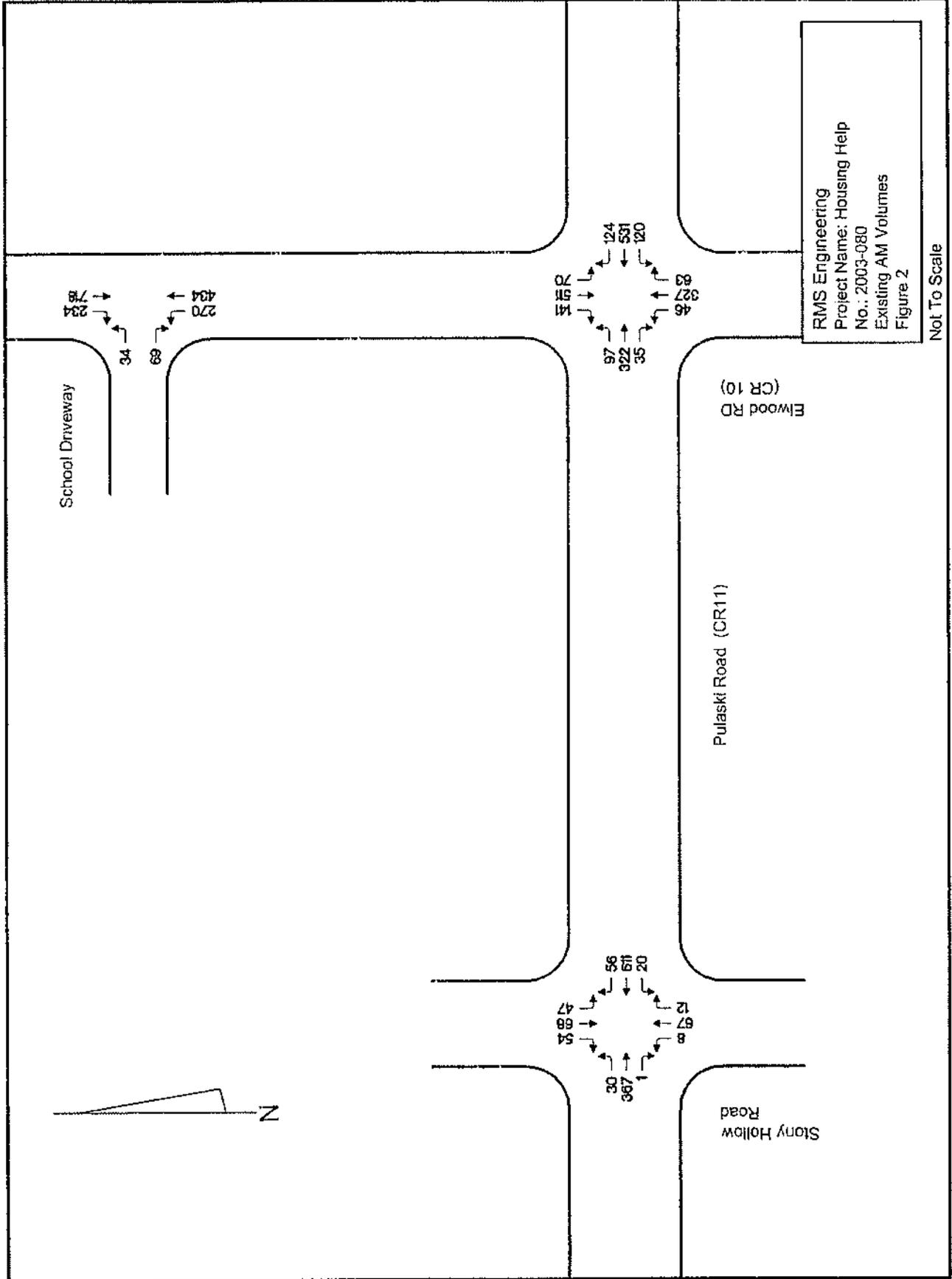
**RMS ENGINEERING**

Robinson, Muller & Schiavone Engineers, P.C

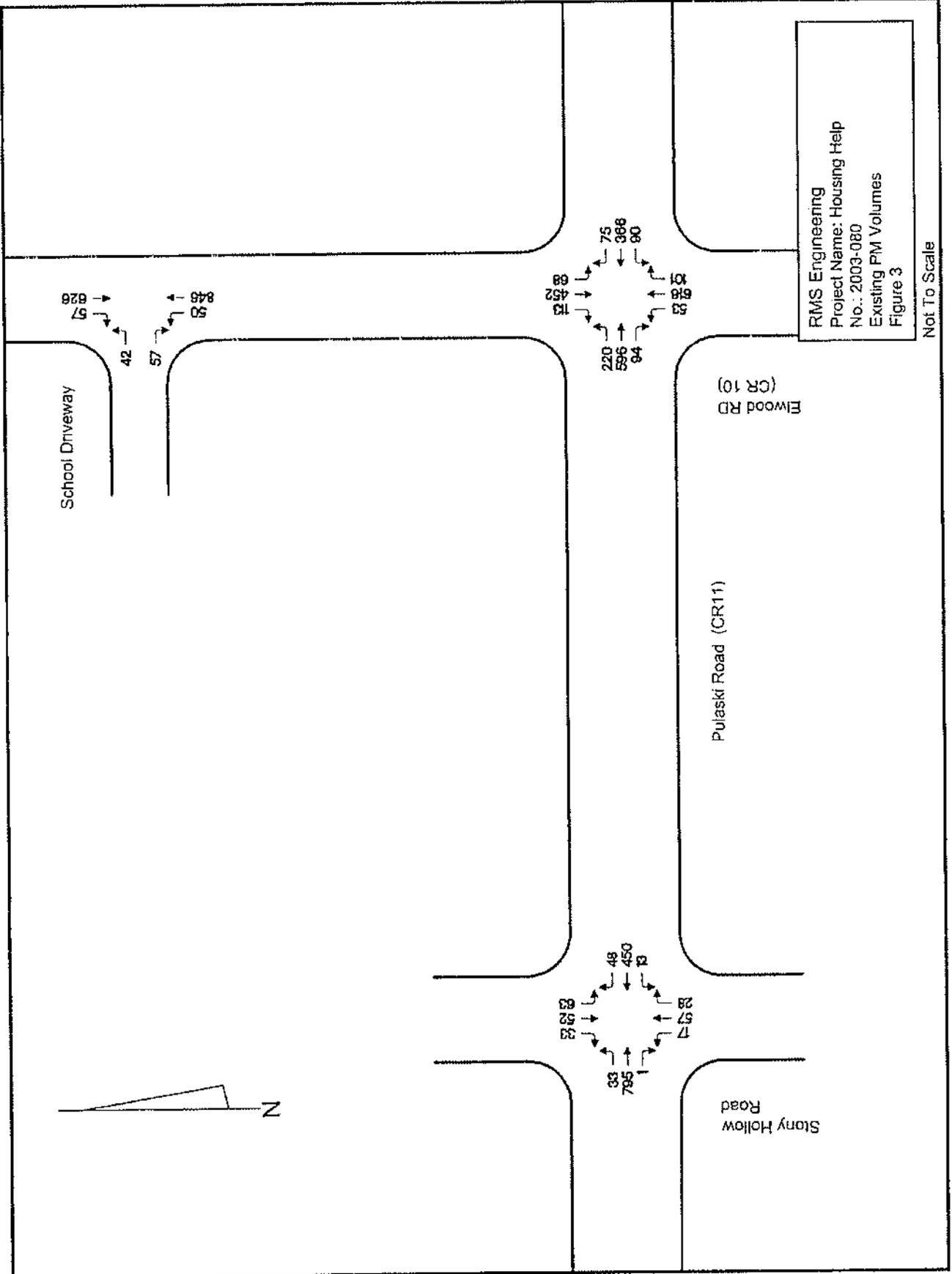
**355 New York Avenue, Huntington, NY 11743 • 631-271-0576 • Fax 631-271-0592**



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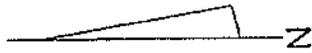


# RMS ENGINEERING

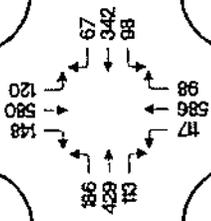
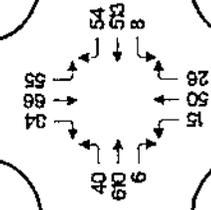
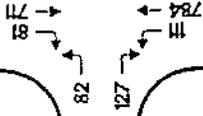


Not To Scale

# RMS ENGINEERING



School Driveway



Stony Hollow Road

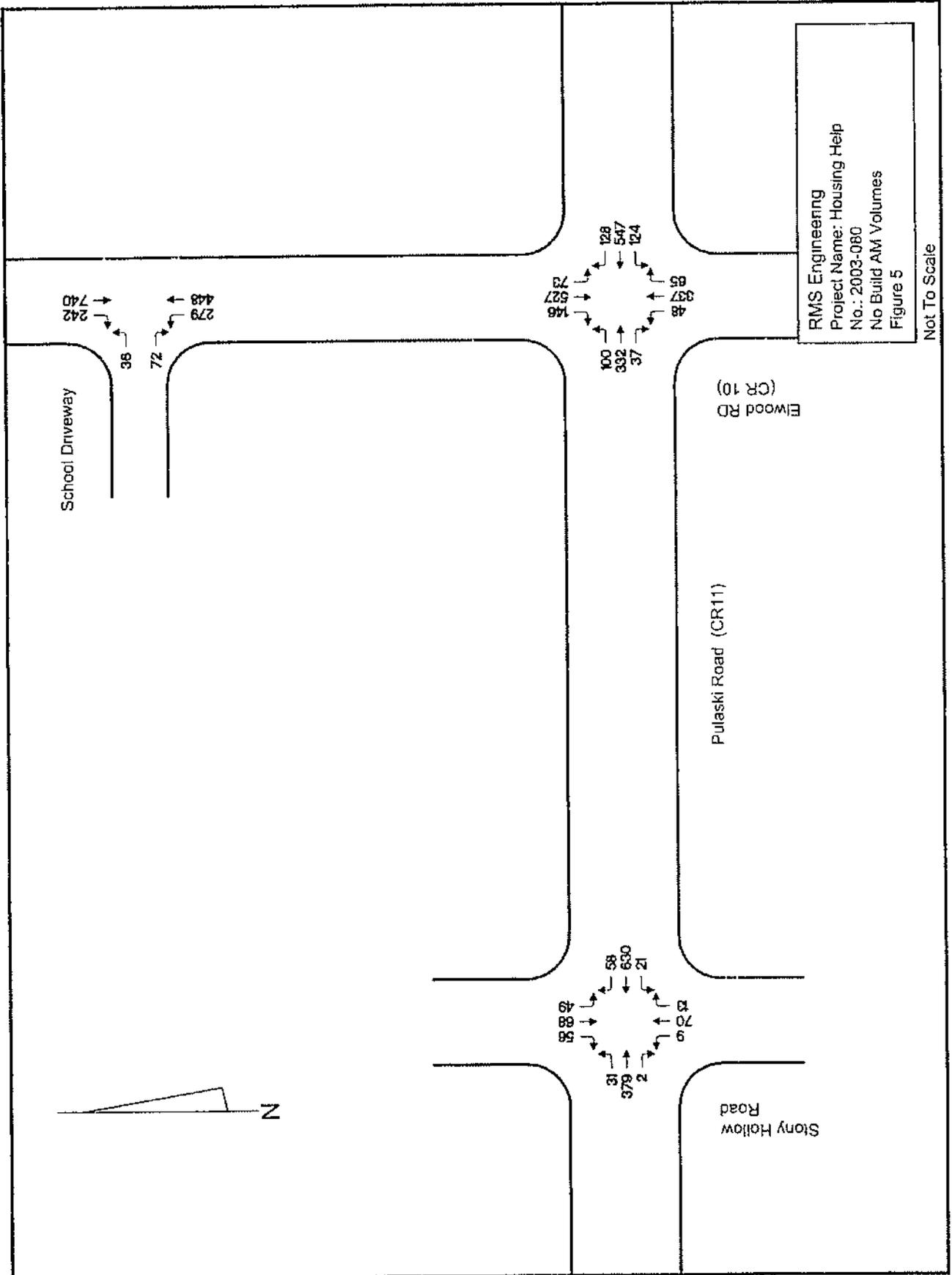
Pulaski Road (CR11)

Elwood RD (CR 10)

RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
Existing Saturday Volumes  
Figure 4

Not To Scale

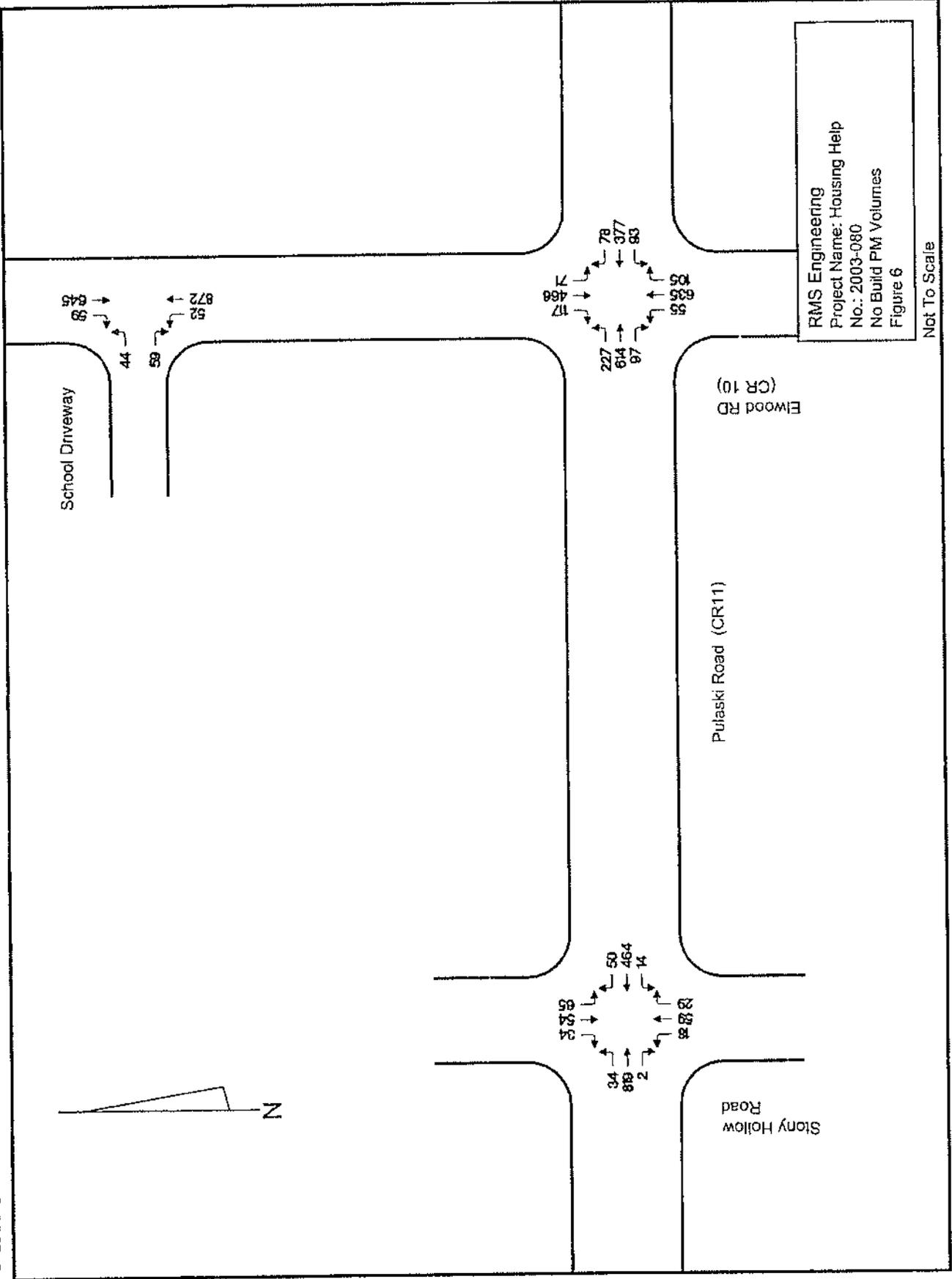
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
No Build AM Volumes  
Figure 5

Not To Scale

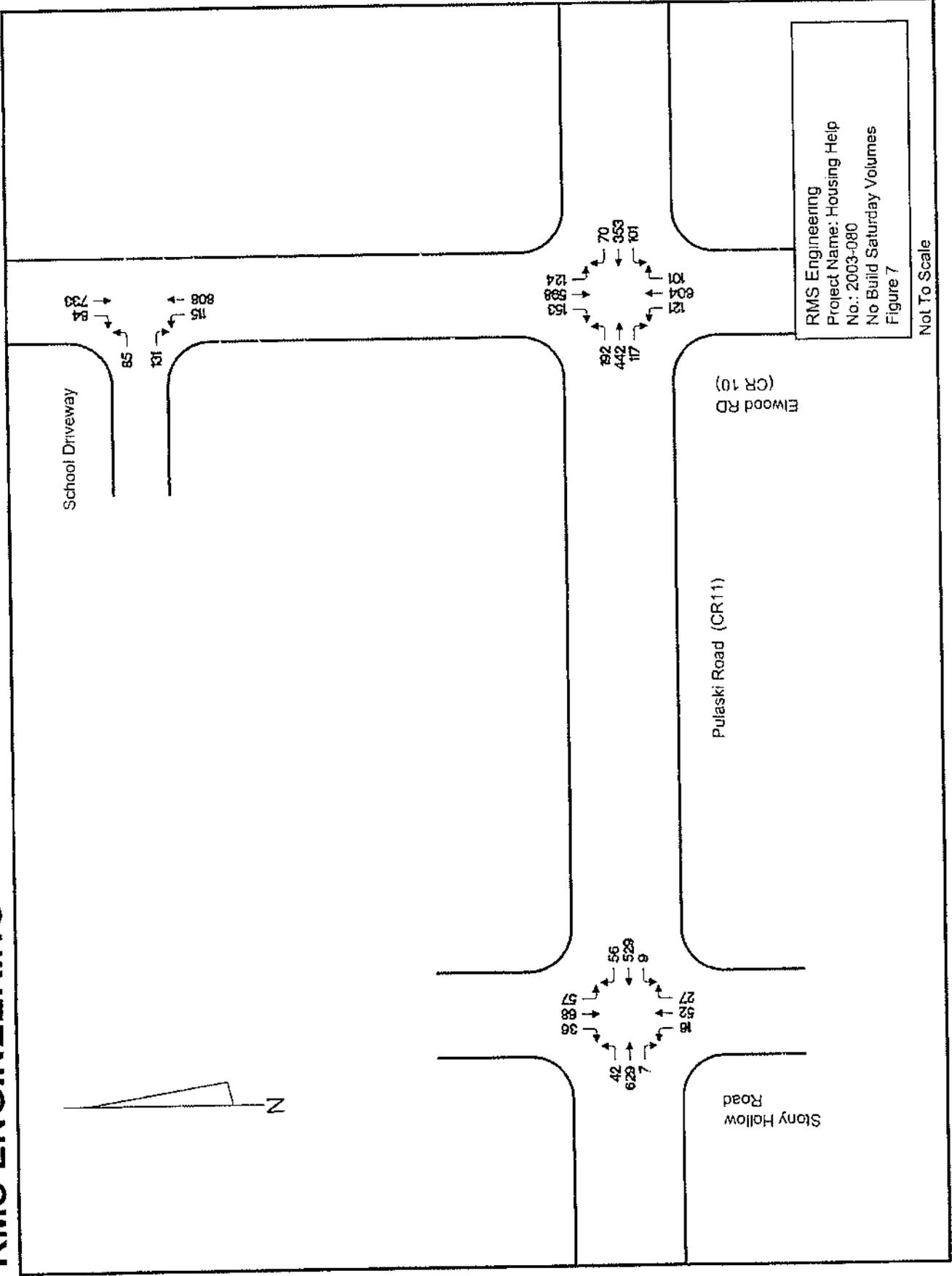
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
No Build PM Volumes  
Figure 6

Not To Scale

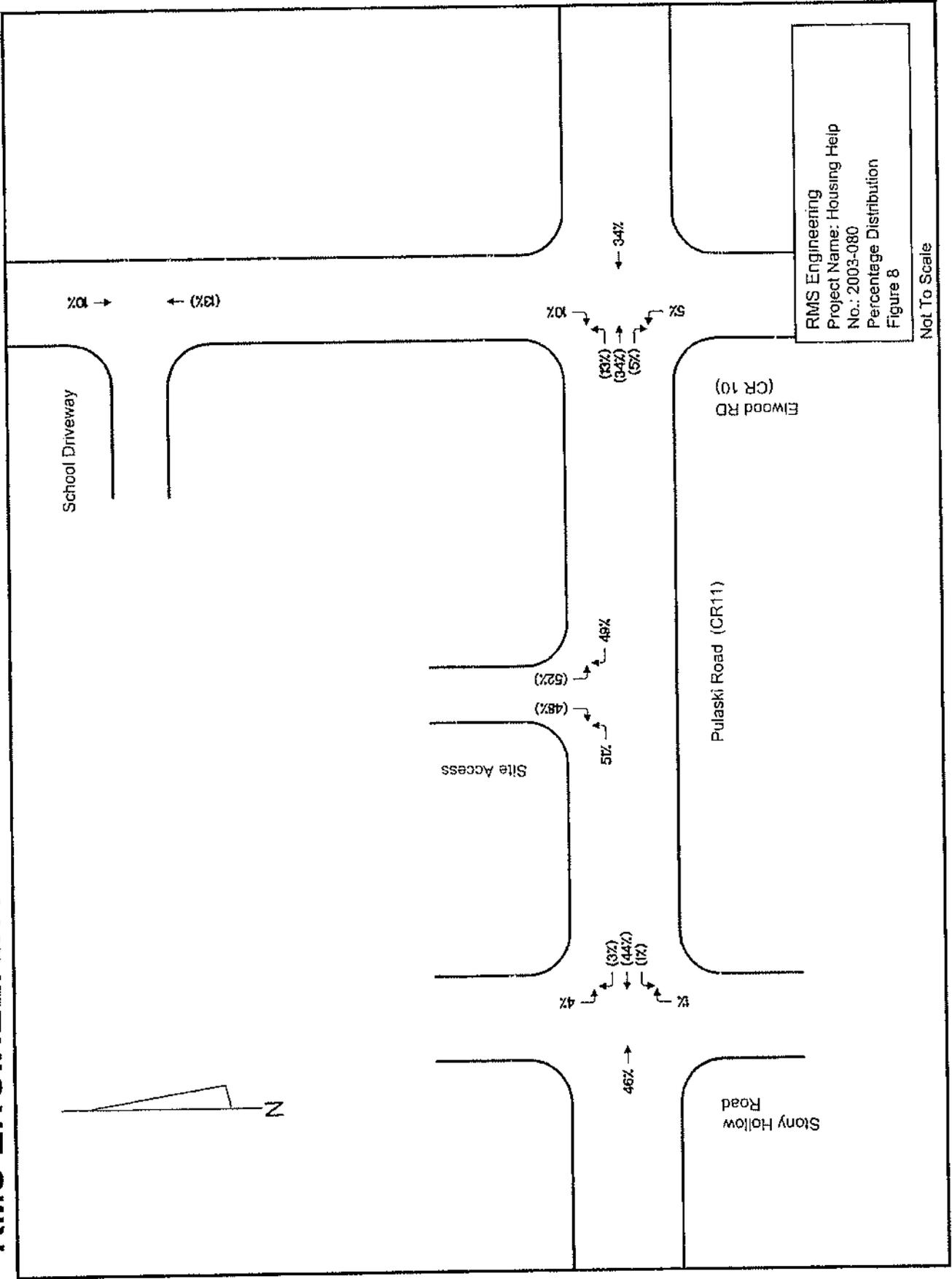
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
No Build Saturday Volumes  
Figure 7

Not To Scale

# RMS ENGINEERING

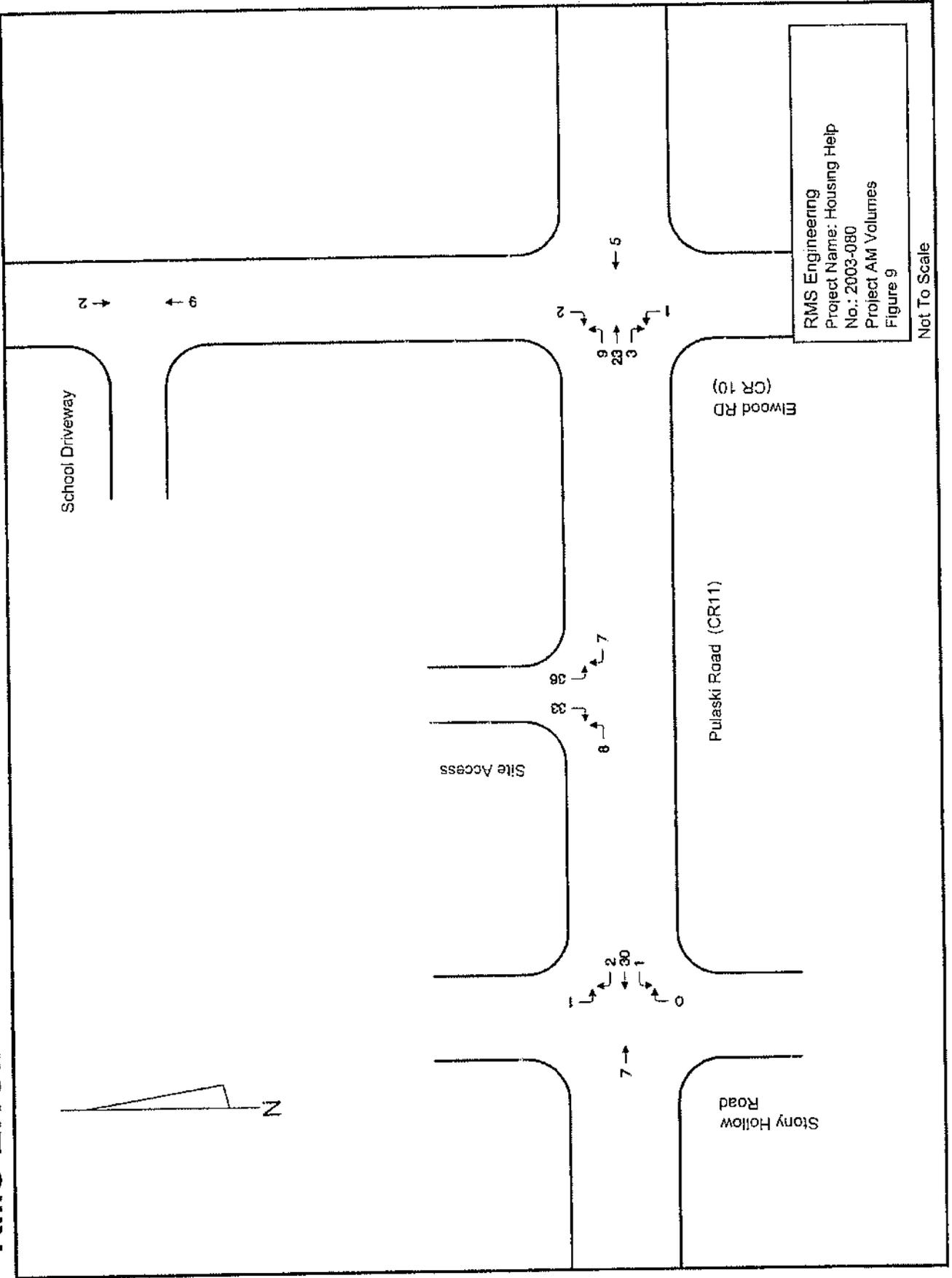


RMS Engineering  
 Project Name: Housing Help  
 No.: 2003-080  
 Percentage Distribution  
 Figure 8

Not To Scale



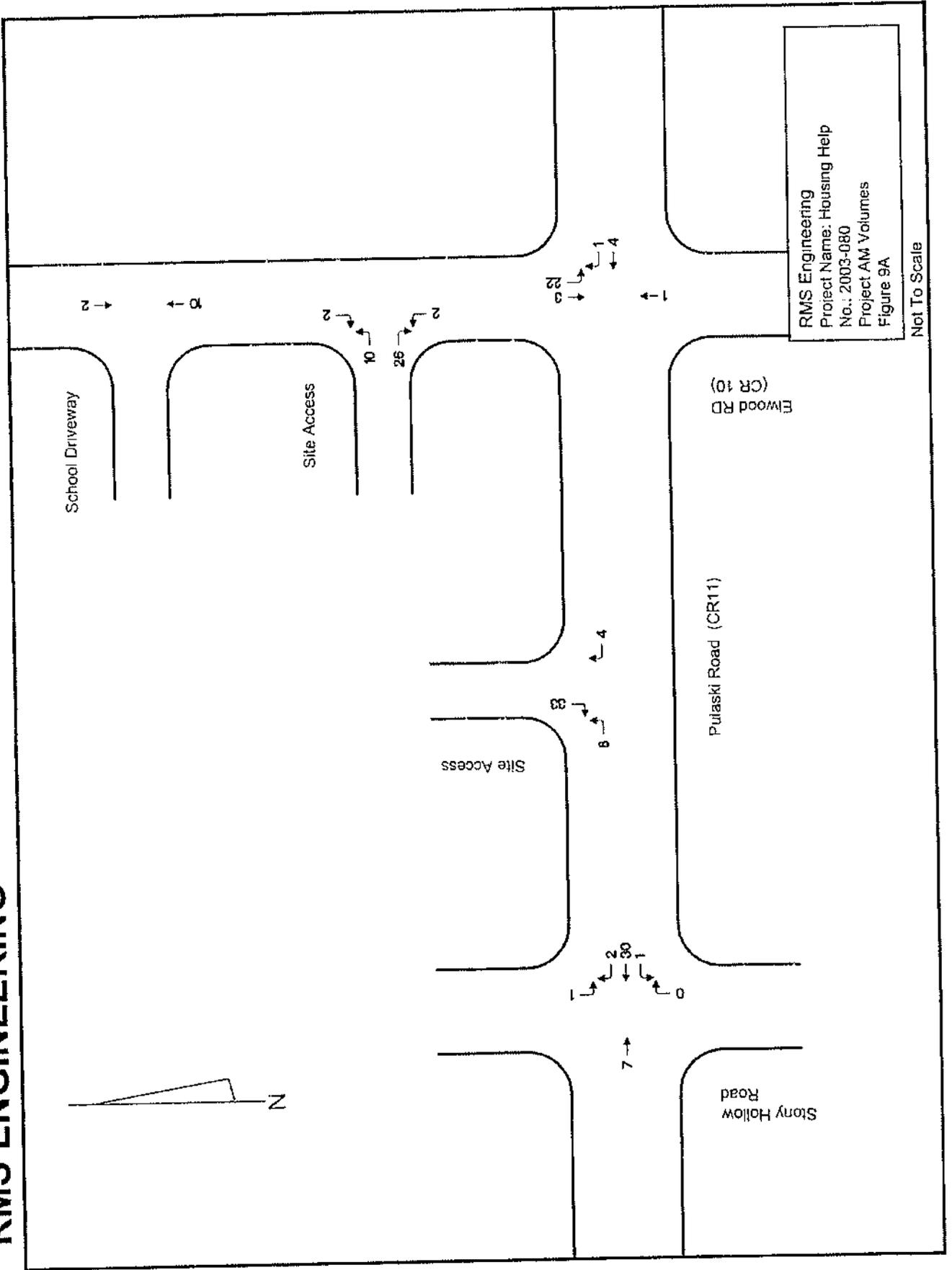
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
Project AM Volumes  
Figure 9

Not To Scale

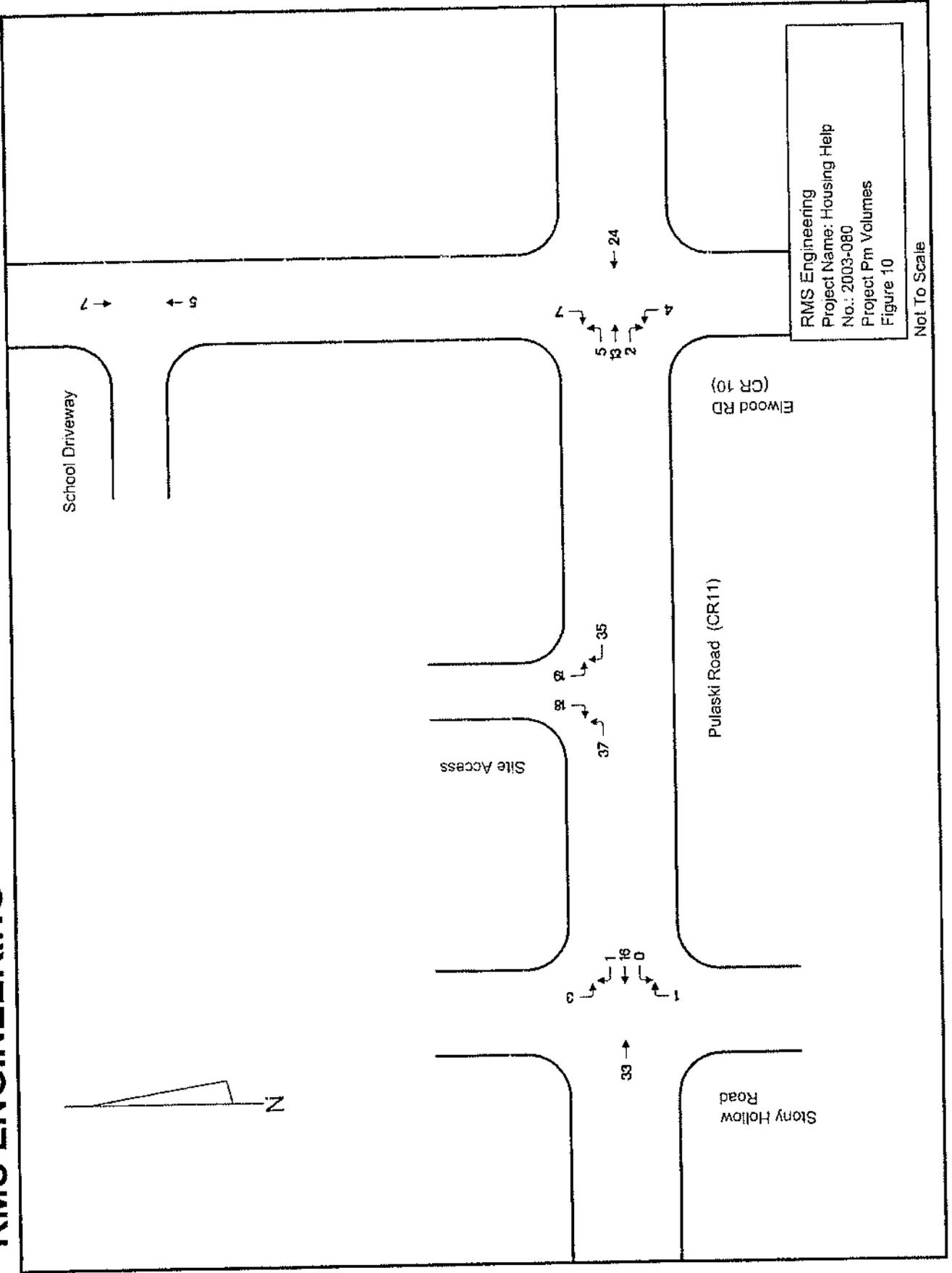
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
Project AM Volumes  
Figure 9A

Not To Scale

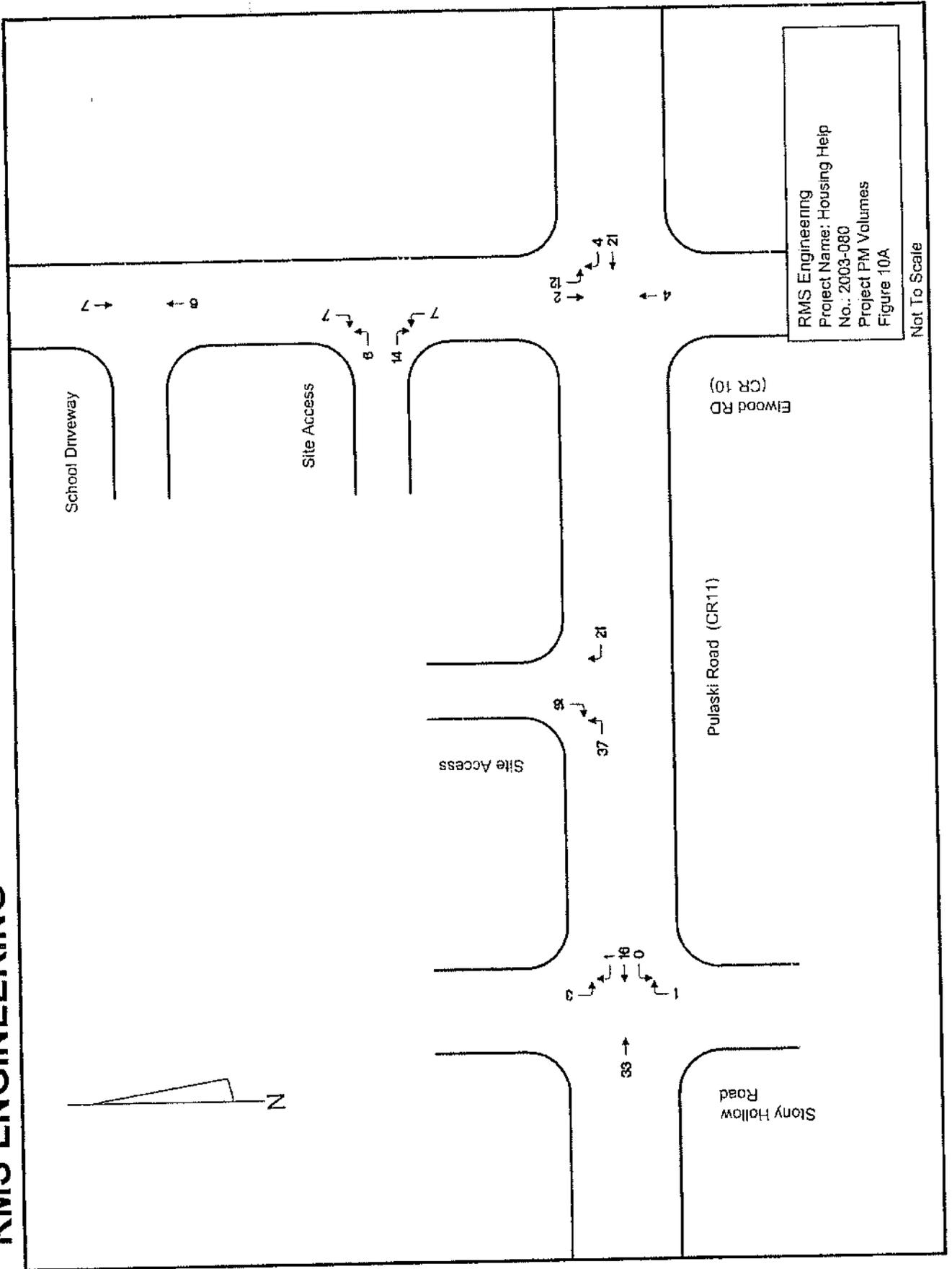
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
Project Pm Volumes  
Figure 10

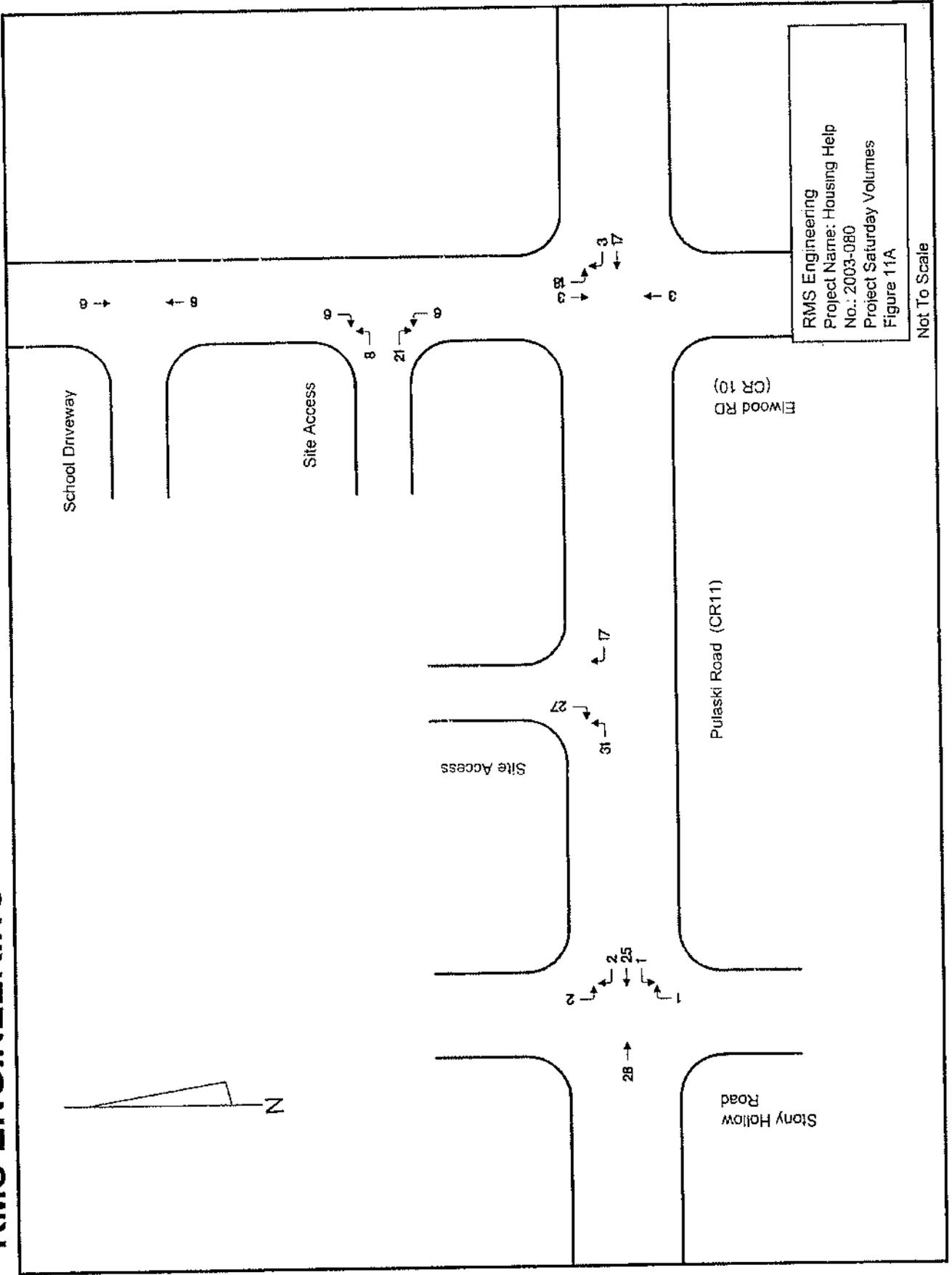
Not To Scale

# RMS ENGINEERING

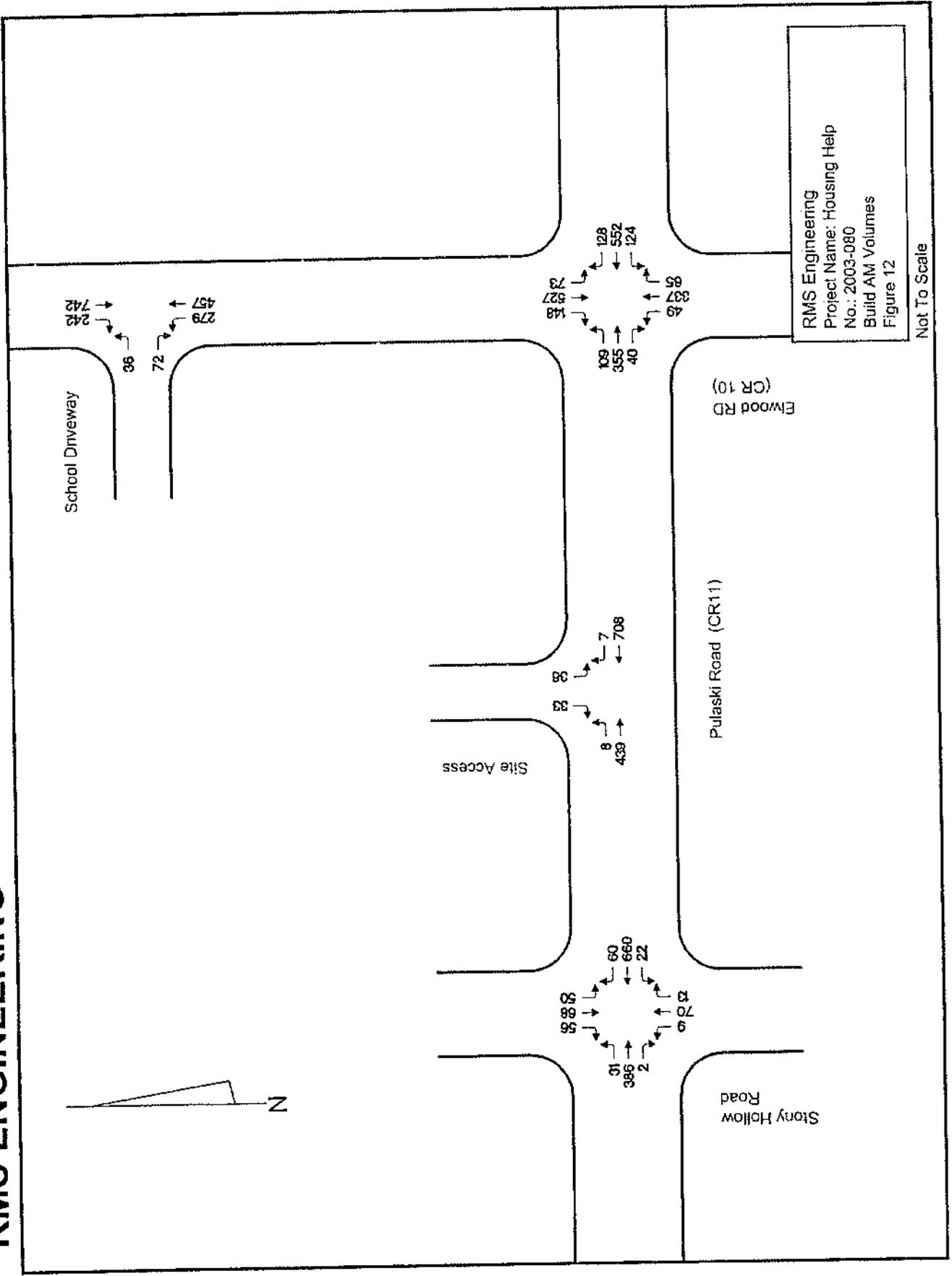




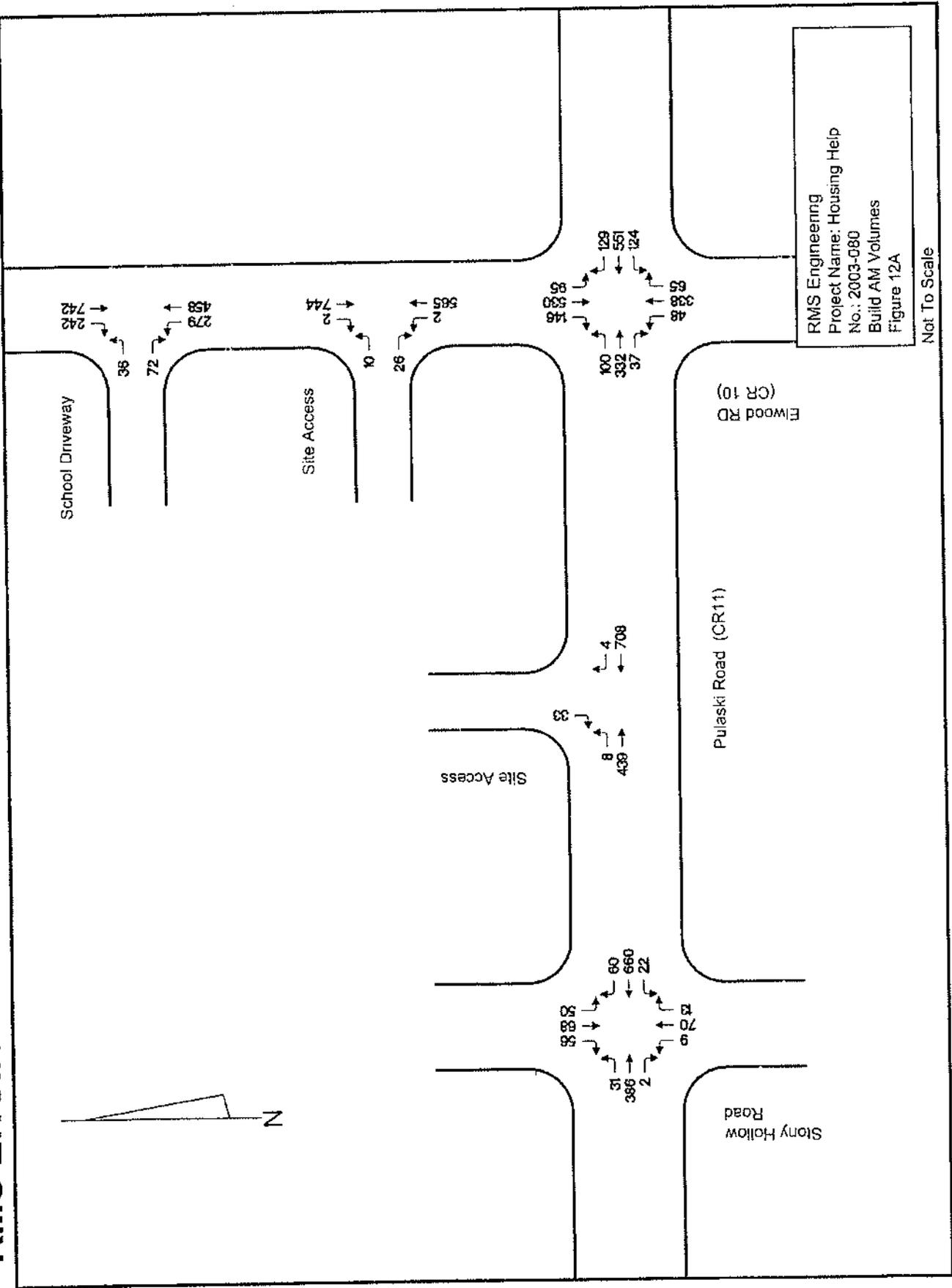
# RMS ENGINEERING



# RMS ENGINEERING



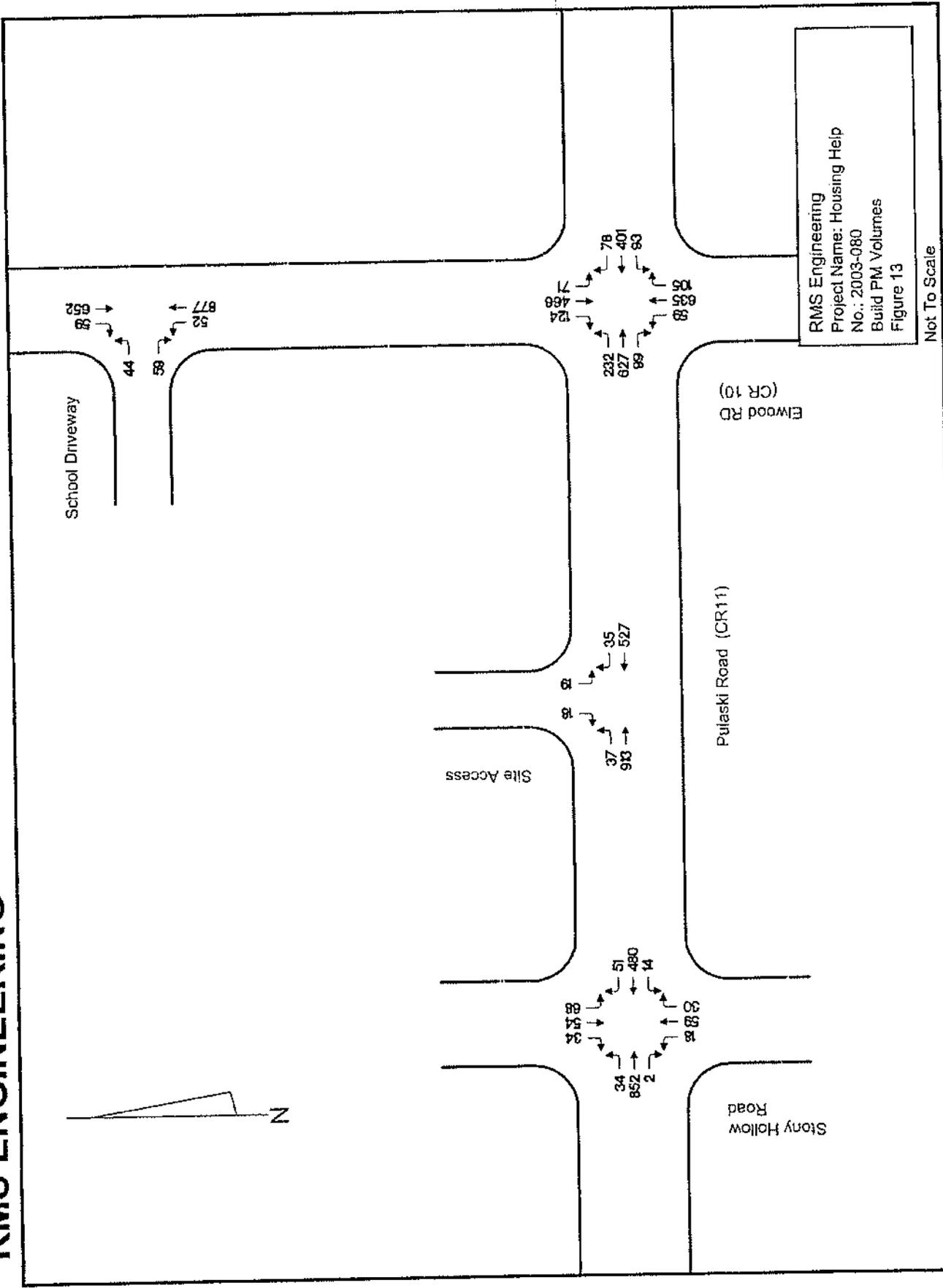
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
Build AM Volumes  
Figure 12A

Not To Scale

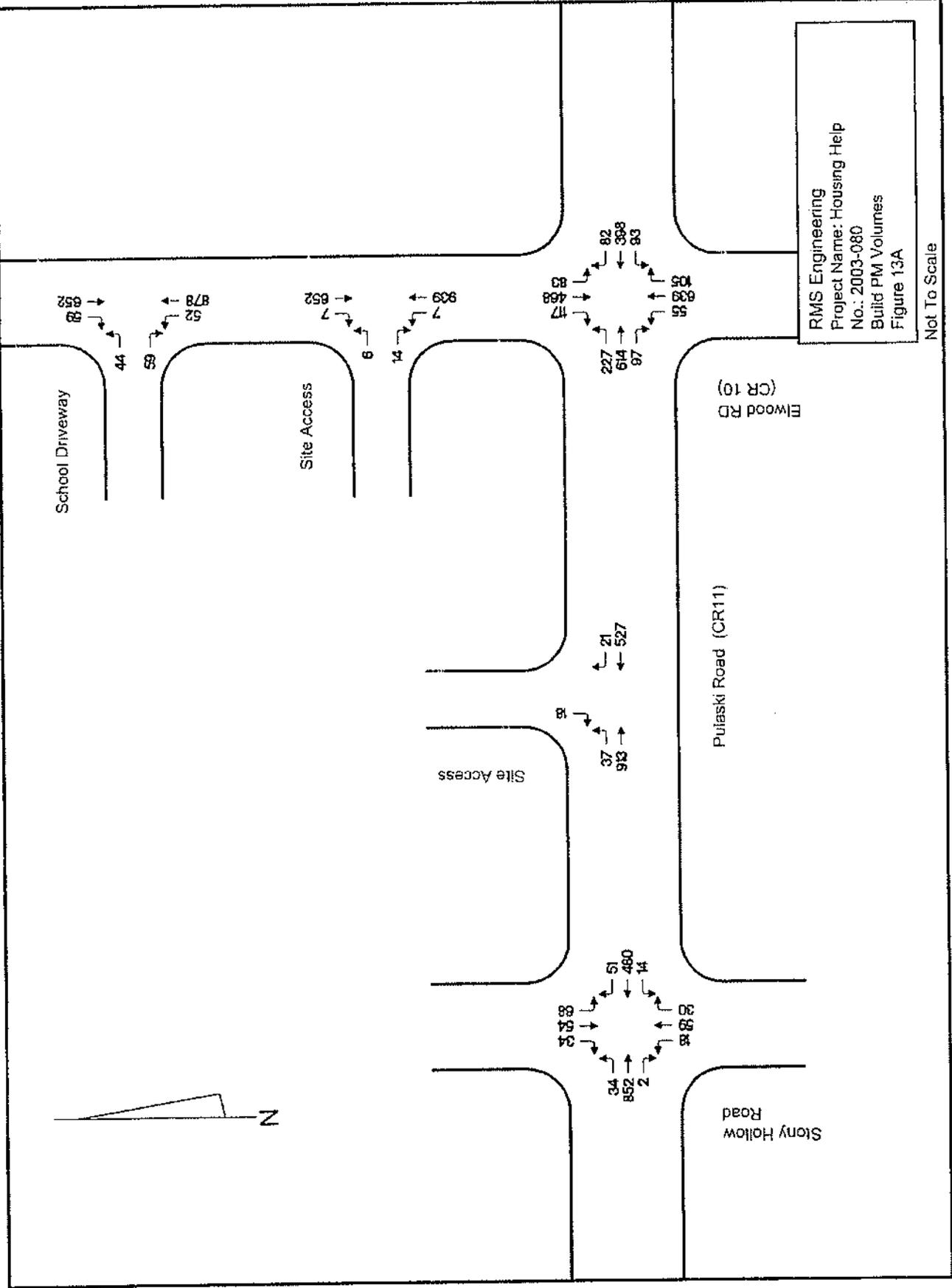
# RMS ENGINEERING



RMS Engineering  
Project Name: Housing Help  
No.: 2003-080  
Build PM Volumes  
Figure 13

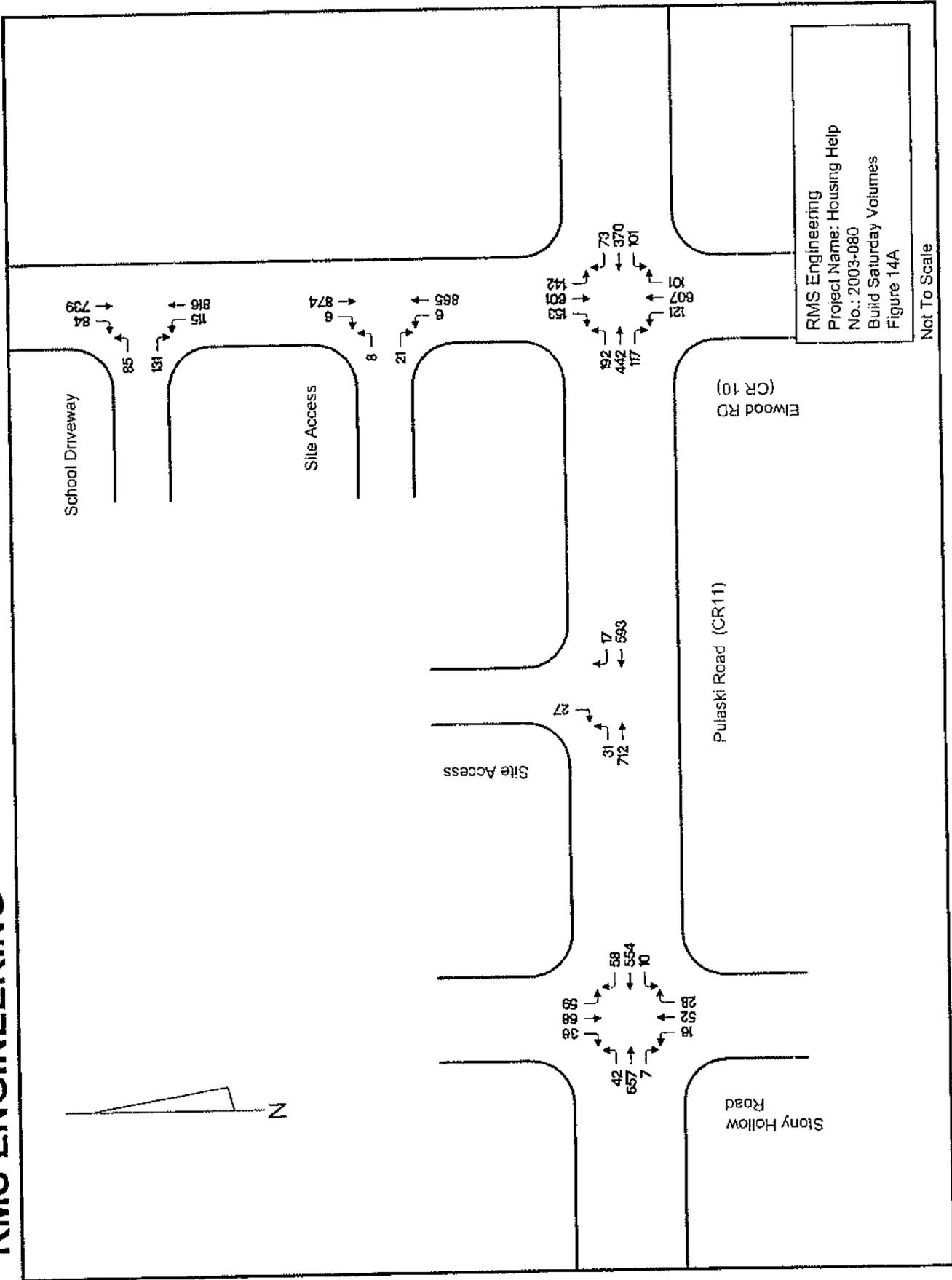
Not To Scale

# RMS ENGINEERING





# RMS ENGINEERING



**RMS ENGINEERING**

HOUSING HELP @ MATINECOCK COURT  
 LEVEL OF SERVICE SUMMARY  
 SIGNALIZED INTERSECTION  
 ALL CONDITIONS  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

**TABLE 1**

INTERSECTION	CONDITION	AM PEAK HOUR			PM PEAK HOUR			SAT PEAK HOUR		
		MVMT	DELAY (SEC/VEH)	LOS	MVMT	DELAY (SEC/VEH)	LOS	MVMT	DELAY (SEC/VEH)	LOS
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10)	EXISTING	EBL	20.6	C	EBL	46.3	D	EBL	20.9	C
		EBT	24.0	C	EBT	23.1	C	EBT	15.8	B
		EBR	10.0	B	EBR	14.4	B	EBR	11.8	B
		WBL	13.7	B	WBL	37.9	D	WBL	26.5	C
		WBTR	57.6	E	WBTR	31.7	C	WBTR	37.0	D
	NO BUILD	NBL	36.4	O	NBL	21.8	C	NBL	165.8	F
		NBTR	21.8	C	NBTR	74.8	E	NBTR	36.1	D
		SBL	18.2	B	SBL	149.9	F	SBL	194.0	F
		SBTR	46.7	D	SBTR	30.4	C	SBTR	52.9	D
		OVERALL	38.6	D	OVERALL	44.1	D	OVERALL	46.5	D
	BUILD	EBL	20.2	C	EBL	57.9	E	EBL	22.3	C
		EBT	24.3	C	EBT	23.9	C	EBT	16.1	B
		EBR	18.1	B	EBR	14.4	B	EBR	11.9	B
		WBL	13.9	B	WBL	43.6	D	WBL	27.3	C
		WBTR	65.1	E	WBTR	32.5	C	WBTR	40.3	D
BUILD WITH COUNTY IMPROVEMENTS	NBL	39.6	D	NBL	24.0	C	NBL	179.7	F	
	NBTR	22.3	C	NBTR	86.7	F	NBTR	41.7	D	
	SBL	18.6	B	SBL	162.9	F	SBL	212.4	F	
	SBTR	56.3	E	SBTR	32.3	C	SBTR	61.7	E	
	OVERALL	42.6	D	OVERALL	49.3	D	OVERALL	51.9	D	
BUILD WITH COUNTY IMPROVEMENTS	EBL	20.9	C	EBL	79.5	E	EBL	24.1	C	
	EBT	25.1	C	EBT	24.6	C	EBT	16.7	B	
	EBR	18.1	B	EBR	14.5	B	EBR	11.9	B	
	WBL	14.2	B	WBL	48.6	D	WBL	29.0	C	
	WBTR	67.0	E	WBTR	34.1	C	WBTR	44.8	D	
BUILD ALTERNATIVE 1 WITH IMPROVEMENTS	NBL	41.4	D	NBL	28.4	C	NBL	190.4	F	
	NBTR	22.3	C	NBTR	86.7	F	NBTR	41.7	D	
	SBL	18.6	B	SBL	162.9	F	SBL	212.4	F	
	SBTR	57.5	E	SBTR	33.3	C	SBTR	64.8	E	
	OVERALL	43.6	D	OVERALL	51.5	D	OVERALL	53.7	D	
BUILD ALTERNATIVE 1 WITH IMPROVEMENTS	EBL	23.2	C	EBL	75.5	E	EBL	34.4	C	
	EBT	24.5	C	EBT	20.4	C	EBT	16.1	B	
	EBR	17.7	B	EBR	10.4	B	EBR	11.4	B	
	WBL	14.4	B	WBL	54.2	D	WBL	27.3	C	
	WBTR	61.2	E	WBTR	34.3	C	WBTR	35.7	D	
BUILD ALTERNATIVE 1 WITH IMPROVEMENTS	NBL	19.2	B	NBL	13.0	B	NBL	83.5	F	
	NBTR	22.0	C	NBTR	87.9	F	NBTR	40.7	D	
	SBL	16.4	B	SBL	34.3	C	SBL	172.6	F	
	SBTR	25.8	C	SBTR	16.8	B	SBTR	19.8	B	
	OVERALL	32.5	C	OVERALL	43.5	D	OVERALL	35.0	C	
BUILD ALTERNATIVE 1 WITH IMPROVEMENTS	EBL	21.7	C	EBL	69.5	E	EBL	30.7	C	
	EBT	23.6	C	EBT	19.5	B	EBT	15.5	B	
	EBR	17.6	B	EBR	10.4	B	EBR	11.3	B	
	WBL	14.1	B	WBL	45.7	D	WBL	25.5	C	
	WBTR	61.2	E	WBTR	34.4	C	WBTR	35.7	D	
BUILD ALTERNATIVE 1 WITH IMPROVEMENTS	NBL	19.2	B	NBL	12.8	B	NBL	78.1	E	
	NBTR	22.0	C	NBTR	89.9	F	NBTR	41.5	D	
	SBL	19.8	B	SBL	54.7	D	SBL	238.2	F	
	SBTR	25.0	C	SBTR	16.8	B	SBTR	20.0	B	
	OVERALL	32.4	C	OVERALL	43.9	D	OVERALL	38.7	D	

# TABLE 2

## RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 LEVEL OF SERVICE SUMMARY  
 SIGNALIZED INTERSECTION  
 ALL CONDITIONS  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

INTERSECTION	CONDITION	AM PEAK HOUR			PM PEAK HOUR			SAT PEAK HOUR		
		MVMNT	DELAY (SEC/VEH)	LOS	MVMNT	DELAY (SEC/VEH)	LOS	MVMNT	DELAY (SEC/VEH)	LOS
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD	EXISTING	EBL	3.2	A	EBL	4.7	A	EBL	5.1	A
		EBTR	4.0	A	EBTR	10.4	B	EBTR	10.0-	A
		WBL	2.9	A	WBL	4.6	A	WBL	4.4	A
		WBTR	5.8	A	WBTR	6.9	A	WBTR	7.8	A
		NBLTR	34.7	C	NBLTR	33.8	C	NBLTR	22.6	C
		SBLTR	56.0	E	SBLTR	37.9	D	SBLTR	25.0	C
	OVERALL	14.3	B	OVERALL	13.8	B	OVERALL	11.7	B	
	NO BUILD	EBL	3.2	A	EBL	4.7	A	EBL	5.3	A
		EBTR	4.1	A	EBTR	10.8	B	EBTR	10.4	B
		WBL	2.9	A	WBL	4.7	A	WBL	4.5	A
		WBTR	6.0	A	WBTR	7.0	A	WBTR	8.0	A
		NBLTR	34.9	C	NBLTR	34.0	C	NBLTR	22.7	C
SBLTR		63.2	E	SBLTR	38.6	D	SBLTR	25.6	C	
OVERALL	15.5	B	OVERALL	14.1	B	OVERALL	12.0	B		
BUILD	EBL	3.3	A	EBL	4.7	A	EBL	5.4	A	
	EBTR	4.2	A	EBTR	11.5	B	EBTR	11.1	B	
	WBL	2.9	A	WBL	4.8	A	WBL	4.6	A	
	WBTR	5.3	A	WBTR	7.2	A	WBTR	8.4	A	
	NBLTR	34.9	C	NBLTR	34.0	C	NBLTR	22.7	C	
	SBLTR	64.6	E	SBLTR	39.6	D	SBLTR	25.9	C	
OVERALL	15.6	B	OVERALL	14.5	B	OVERALL	12.4	B		

# RMS ENGINEERING

# TABLE 3

HOUSING HELP @ MATINECOCK COURT  
 LEVEL OF SERVICE SUMMARY  
 SIGNALIZED INTERSECTION  
 ALL CONDITIONS  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

INTERSECTION	CONDITION	AM PEAK HOUR			PM PEAK HOUR			SAT PEAK HOUR		
		MVMNT	DELAY (SEC/VEH)	LOS	MVMNT	DELAY (SEC/VEH)	LOS	MVMNT	DELAY (SEC/VEH)	LOS
ELWOOD ROAD (CR 10) AT SCHOOL DRIVEWAY	EXISTING	EBL	27.1	C	EBL	32.2	C	EBL	24.7	C
		EBR	13.9	B	EBR	18.0	B	EBR	14.2	B
		NBL	42.3	D	NBL	10.5	B	NBL	8.8	A
	NO BUILD	NBT	6.5	A	NBT	8.4	A	NBT	5.9	A
		SBT	53.4	D	SBT	28.6	C	SBT	24.1	C
		SBR	16.8	B	SBR	12.5	B	SBR	9.3	A
		OVERALL	32.8	C	OVERALL	17.5	B	OVERALL	14.4	B
	BUILD	EBL	27.2	C	EBL	32.3	C	EBL	24.7	C
		EBR	14.0	B	EBR	18.1	B	EBR	14.3	B
		NBL	46.7	D	NBL	11.2	B	NBL	9.5	A
NBT		6.6	A	NBT	8.7	A	NBT	6.1	A	
SBT		61.0	E	SBT	30.3	C	SBT	26.1	C	
BUILD ALTERNATIVE 1	SBR	16.9	B	SBR	12.6	B	SBR	9.3	A	
	OVERALL	36.6	D	OVERALL	18.4	B	OVERALL	15.3	B	
	EBL	27.2	C	EBL	32.3	C	EBL	24.7	C	
	EBR	14.0	B	EBR	18.1	B	EBR	14.3	B	
	NBL	46.7	D	NBL	11.4	B	NBL	9.7	A	
	NBT	6.7	A	NBT	8.8	A	NBT	6.2	A	
BUILD ALTERNATIVE 1	SBT	61.7	E	SBT	31.0	C	SBT	26.7	C	
	SBR	16.9	B	SBR	12.6	B	SBR	9.3	A	
	OVERALL	36.7	D	OVERALL	18.7	B	OVERALL	15.6	B	
	EBL	27.2	C	EBL	32.3	C	EBL	24.7	C	
	EBR	14.0	B	EBR	18.1	B	EBR	14.3	B	
	NBL	46.7	D	NBL	11.4	B	NBL	9.7	A	
	NBT	6.7	A	NBT	8.8	A	NBT	6.2	A	
SBT	61.7	E	SBT	31.0	C	SBT	26.7	C		
SBR	16.9	B	SBR	12.6	B	SBR	9.3	A		
OVERALL	36.7	D	OVERALL	18.7	B	OVERALL	15.6	B		

# RMS ENGINEERING

# TABLE 4

HOUSING HELP @ MATINECOCK COURT  
 LEVEL OF SERVICE SUMMARY  
 UNSIGNALIZED INTERSECTION  
 FUTURE CONDITIONS  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

INTERSECTION	CONDITION	AM PEAK HOUR			PM PEAK HOUR			SAT PEAK HOUR		
		MVMNT	LOS	CONTROL DELAY (SEC/VEH)	MVMNT	LOS	CONTROL DELAY (SEC/VEH)	MVMNT	LOS	CONTROL DELAY (SEC/VEH)
PULASKI ROAD (CR11) AT SITE ACCESS	BUILD	EBL	9.5	A	EBL	9.0	A	EBL	9.1	A
		SBL	14.1	B	SBL	17.2	C	SBL	16.9	C
		SBR	13.7	B	SBR	11.8	B	SBR	12.2	B
	BUILD ALTERNATIVE 1	EBL	9.5	A	EBL	9.0	A	EBL	9.0	A
		SBL	13.7	B	SBR	11.7	B	SBR	12.2	B

# RMS ENGINEERING

# TABLE 5

HOUSING HELP @ MATINECOCK COURT  
 LEVEL OF SERVICE SUMMARY  
 UNSIGNALIZED INTERSECTION  
 FUTURE CONDITIONS  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

INTERSECTION	CONDITION	AM PEAK HOUR			PM PEAK HOUR			SAT PEAK HOUR		
		MVMNT	LOS	CONTROL DELAY (SEC/VEH)	MVMNT	LOS	CONTROL DELAY (SEC/VEH)	MVMNT	LOS	CONTROL DELAY (SEC/VEH)
ELWOOD ROAD (CR10) AT SITE ACCESS	BUILD ALTERNATIVE 1	NBL	9.4	A	NBL	9.2	A	NBL	9.9	A
		EBLR	15.5	C	EBLR	15.9	C	EBLR	17.8	C

**RMS ENGINEERING**

**TABLE 6**

HOUSING HELP @ MATINECOCK COURT  
 TRIP GENERATION SUMMARY  
 PROPOSED TRIP GENERATION  
 RMS JOB No 2003-080  
 SEPTEMBER 2006

PEAK HOUR		78 UNITS APARTMENTS (RENATL)	77 UNITS CONDO/TOWNHOUSE (OWNERSHIP)	TOTAL 155 UNITS
LAND USE CODE		220	230	220/230
AM PEAK HOUR	ENTER:	8 tph	7 tph	15 tph
	EXIT:	<del>34</del> tph	<del>35</del> tph	<del>69</del> tph
	TOTAL	42 tph	42 tph	84 tph
PM PEAK HOUR	ENTER:	39 tph	33 tph	72 tph
	EXIT:	<del>21</del> tph	<del>16</del> tph	<del>37</del> tph
	TOTAL	60 tph	49 tph	109 tph
SATURDAY PEAK HOUR	ENTER:	25 tph	35 tph	60 tph
	EXIT:	<del>26</del> tph	<del>30</del> tph	<del>56</del> tph
	TOTAL	51 tph	65 tph	116 tph

tph- trips per hour

TABLE 7

RMS ENGINEERING

HOUSING HELP @ MATTHEWCOCK COURT  
 ACCIDENT SUMMARIES  
 RMS JOB No. 2003-088  
 SEPTEMBER, 2005

LOCATION	From 11/1/00 to 12/31/02										INJURY SUMMARY								
	REAR END	OVERTAKE	RIGHT ANGLE	LEFT TURN	RIGHT TURN	FIXED OBJECT	HEAD ON	SIDE/SWIRE	PEDESTRIAN	BICYCLE	PARKED VEHICLE	BARRING	OTHER	UNSPECIFIED	TOTAL	FATAL ACCIDENT	PROPERTY DAMAGE	NON-REPORTABLE	
PULASKI ROAD (CR 11) AT	11	1	2	0	1	0	0	0	0	1	0	0	0	1	29	0	8	14	7
ELWOOD ROAD (CR 10)																			
PULASKI ROAD (CR 11) AT	1	1	4	0	0	0	0	0	0	0	0	0	0	2	8	0	3	1	0
STORY HOLLOW ROAD AT	2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	2	1
10TH AVENUE AT																			
PULASKI ROAD (CR 11) BETWEEN	3	1	3	0	0	0	0	0	0	0	0	0	0	2	9	0	4	3	0
S HOLLOW RD & ELWOOD RD BETWEEN	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0
10TH AVE & SCHOOL DRIVE BETWEEN	2	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	2	1

**RMS ENGINEERING**

**TABLE 8**

HOUSING HELP @ MATINECOCK COURT  
 PERCENTAGE INCREASE SUMMARY - AM ORIGINAL  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	NO BUILD VOLUMES	BUILD VOLUMES	INCREASE IN VEHICLES	PERCENTAGE INCREASE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	48	49	1	2.08%
		THROUGH	337	337	0	0.00%
		RIGHT	65	65	0	0.00%
	SB	LEFT	73	73	0	0.00%
		THROUGH	527	527	0	0.00%
		RIGHT	146	148	2	1.37%
	EB	LEFT	100	109	9	9.00%
		THROUGH	332	355	23	6.93%
		RIGHT	37	40	3	8.11%
	WB	LEFT	124	124	0	0.00%
		THROUGH	547	552	5	0.91%
		RIGHT	128	128	0	0.00%
		TOTAL	2464	2507	43	1.75%
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	9	9	0	0.00%
		THROUGH	70	70	0	0.00%
		RIGHT	13	13	0	0.00%
	SB	LEFT	49	50	1	2.04%
		THROUGH	68	68	0	0.00%
		RIGHT	56	56	0	0.00%
	EB	LEFT	31	31	0	0.00%
		THROUGH	379	386	7	1.85%
		RIGHT	2	2	0	0.00%
	WB	LEFT	21	22	1	4.76%
		THROUGH	630	660	30	4.76%
		RIGHT	58	60	2	3.45%
		TOTAL	1386	1427	41	2.96%
ELWOOD ROAD (CR 10) AT SOUTH SCHOOL DRWY 3	NB	LEFT	279	279	0	0.00%
		THROUGH	448	457	9	2.01%
		RIGHT	0	0	0	0.00%
	SB	LEFT	0	0	0	0.00%
		THROUGH	740	742	2	0.27%
		RIGHT	242	242	0	0.00%
	EB	LEFT	36	36	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	72	72	0	0.00%
	WB	LEFT	0	0	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	0	0	0	0.00%
		TOTAL	1817	1828	11	0.61%

# RMS ENGINEERING

## TABLE 9

HOUSING HELP @ MATINECOCK COURT  
 PERCENTAGE INCREASE SUMMARY - PM ORIGINAL  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	NO BUILD VOLUMES	BUILD VOLUMES	INCREASE IN VEHICLES	PERCENTAGE INCREASE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	55	59	4	7.27%
		THROUGH	635	635	0	0.00%
		RIGHT	105	105	0	0.00%
	SB	LEFT	71	71	0	0.00%
		THROUGH	466	466	0	0.00%
		RIGHT	117	124	7	5.98%
	EB	LEFT	227	232	5	2.20%
		THROUGH	614	627	13	2.12%
		RIGHT	97	99	2	2.06%
	WB	LEFT	93	93	0	0.00%
		THROUGH	377	401	24	6.37%
		RIGHT	78	78	0	0.00%
		TOTAL	2935	2990	55	1.87%
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	18	18	0	0.00%
		THROUGH	59	59	0	0.00%
		RIGHT	29	30	1	3.45%
	SB	LEFT	65	68	3	4.62%
		THROUGH	54	54	0	0.00%
		RIGHT	34	34	0	0.00%
	EB	LEFT	34	34	0	0.00%
		THROUGH	819	852	33	4.03%
		RIGHT	2	2	0	0.00%
	WB	LEFT	14	14	0	0.00%
		THROUGH	464	480	16	3.45%
		RIGHT	50	51	1	2.00%
		TOTAL	1642	1696	54	3.29%
ELWOOD ROAD (CR 10) AT SOUTH SCHOOL DRWY 3	NB	LEFT	52	52	0	0.00%
		THROUGH	872	877	5	0.57%
		RIGHT	0	0	0	0.00%
	SB	LEFT	0	0	0	0.00%
		THROUGH	645	652	7	1.09%
		RIGHT	59	59	0	0.00%
	EB	LEFT	44	44	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	59	59	0	0.00%
	WB	LEFT	0	0	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	0	0	0	0.00%
		TOTAL	1731	1743	12	0.69%

# RMS ENGINEERING

## TABLE 10

HOUSING HELP @ MATINECOCK COURT  
 PERCENTAGE INCREASE SUMMARY - SATURDAY ORIGINAL  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	NO BUILD VOLUMES	BUILD VOLUMES	INCREASE IN VEHICLES	PERCENTAGE INCREASE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	121	124	3	2.48%
		THROUGH	604	604	0	0.00%
		RIGHT	101	101	0	0.00%
	SB	LEFT	124	124	0	0.00%
		THROUGH	598	598	0	0.00%
		RIGHT	153	159	6	3.92%
	EB	LEFT	192	199	7	3.65%
		THROUGH	442	461	19	4.30%
		RIGHT	117	120	3	2.56%
	WB	LEFT	101	101	0	0.00%
		THROUGH	353	373	20	5.67%
		RIGHT	70	70	0	0.00%
	TOTAL	2976	3034	58	1.95%	
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	16	16	0	0.00%
		THROUGH	52	52	0	0.00%
		RIGHT	27	28	1	3.70%
	SB	LEFT	57	59	2	3.51%
		THROUGH	68	68	0	0.00%
		RIGHT	36	36	0	0.00%
	EB	LEFT	42	42	0	0.00%
		THROUGH	629	657	28	4.45%
		RIGHT	7	7	0	0.00%
	WB	LEFT	9	10	1	11.11%
		THROUGH	529	554	25	4.73%
		RIGHT	56	58	2	3.57%
	TOTAL	1528	1587	59	3.86%	
ELWOOD ROAD (CR 10) AT SOUTH SCHOOL DRWY 3	NB	LEFT	115	115	0	0.00%
		THROUGH	808	815	7	0.87%
		RIGHT	0	0	0	0.00%
	SB	LEFT	0	0	0	0.00%
		THROUGH	733	739	6	0.82%
		RIGHT	84	84	0	0.00%
	EB	LEFT	85	85	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	131	131	0	0.00%
	WB	LEFT	0	0	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	0	0	0	0.00%
	TOTAL	1956	1969	13	0.66%	

# RMS ENGINEERING

## TABLE 11

HOUSING HELP @ MATINECOCK COURT  
 PERCENTAGE INCREASE SUMMARY - AM ALTERNATIVE 1  
 RMS JOB No 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	NO BUILD VOLUMES	BUILD VOLUMES	INCREASE IN VEHICLES	PERCENTAGE INCREASE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	48	48	0	0.00%
		THROUGH	337	338	1	0.30%
		RIGHT	65	65	0	0.00%
	SB	LEFT	73	95	22	30.14%
		THROUGH	527	530	3	0.57%
		RIGHT	146	146	0	0.00%
	EB	LEFT	100	100	0	0.00%
		THROUGH	332	332	0	0.00%
		RIGHT	37	37	0	0.00%
	WB	LEFT	124	124	0	0.00%
		THROUGH	547	551	4	0.73%
		RIGHT	128	129	1	0.78%
		TOTAL	2464	2495	31	1.26%
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	9	9	0	0.00%
		THROUGH	70	70	0	0.00%
		RIGHT	13	13	0	0.00%
	SB	LEFT	49	50	1	2.04%
		THROUGH	68	68	0	0.00%
		RIGHT	56	56	0	0.00%
	EB	LEFT	31	31	0	0.00%
		THROUGH	379	386	7	1.85%
		RIGHT	2	2	0	0.00%
	WB	LEFT	21	22	1	4.76%
		THROUGH	630	660	30	4.76%
		RIGHT	58	60	2	3.45%
		TOTAL	1386	1427	41	2.96%
ELWOOD ROAD (CR 10) AT SOUTH SCHOOL DRWY 3	NB	LEFT	279	279	0	0.00%
		THROUGH	448	458	10	2.23%
		RIGHT	0	0	0	0.00%
	SB	LEFT	0	0	0	0.00%
		THROUGH	740	742	2	0.27%
		RIGHT	242	242	0	0.00%
	EB	LEFT	36	36	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	72	72	0	0.00%
	WB	LEFT	0	0	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	0	0	0	0.00%
		TOTAL	1817	1829	12	0.66%

# RMS ENGINEERING

## TABLE 12

HOUSING HELP @ MATINECOCK COURT  
 PERCENTAGE INCREASE SUMMARY - PM ALTERNATIVE 1  
 RMS JOB No 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	NO BUILD VOLUMES	BUILD VOLUMES	INCREASE IN VEHICLES	PERCENTAGE INCREASE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	55	55	0	0.00%
		THROUGH	635	639	4	0.63%
		RIGHT	105	105	0	0.00%
	SB	LEFT	71	83	12	16.90%
		THROUGH	466	468	2	0.43%
		RIGHT	117	117	0	0.00%
	EB	LEFT	227	227	0	0.00%
		THROUGH	614	614	0	0.00%
		RIGHT	97	97	0	0.00%
	WB	LEFT	93	93	0	0.00%
		THROUGH	377	398	21	5.57%
		RIGHT	78	82	4	5.13%
		TOTAL	2935	2978	43	1.47%
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	18	18	0	0.00%
		THROUGH	59	59	0	0.00%
		RIGHT	29	30	1	3.45%
	SB	LEFT	65	68	3	4.62%
		THROUGH	54	54	0	0.00%
		RIGHT	34	34	0	0.00%
	EB	LEFT	34	34	0	0.00%
		THROUGH	819	852	33	4.03%
		RIGHT	2	2	0	0.00%
	WB	LEFT	14	14	0	0.00%
		THROUGH	464	480	16	3.45%
		RIGHT	50	51	1	2.00%
		TOTAL	1642	1696	54	3.29%
ELWOOD ROAD (CR 10) AT SOUTH SCHOOL DRWY 3	NB	LEFT	52	52	0	0.00%
		THROUGH	872	878	6	0.69%
		RIGHT	0	0	0	0.00%
	SB	LEFT	0	0	0	0.00%
		THROUGH	645	652	7	1.09%
		RIGHT	59	59	0	0.00%
	EB	LEFT	44	44	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	59	59	0	0.00%
	WB	LEFT	0	0	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	0	0	0	0.00%
		TOTAL	1731	1744	13	0.75%

# RMS ENGINEERING

## TABLE 13

HOUSING HELP @ MATINECOCK COURT  
 PERCENTAGE INCREASE SUMMARY - SATURDAY ALTERNATIVE 1  
 RMS JOB No 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	NO BUILD VOLUMES	BUILD VOLUMES	INCREASE IN VEHICLES	PERCENTAGE INCREASE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	121	121	0	0.00%
		THROUGH	604	607	3	0.50%
		RIGHT	101	101	0	0.00%
	SB	LEFT	124	142	18	14.52%
		THROUGH	598	601	3	0.50%
		RIGHT	153	153	0	0.00%
	EB	LEFT	192	192	0	0.00%
		THROUGH	442	442	0	0.00%
		RIGHT	117	117	0	0.00%
	WB	LEFT	101	101	0	0.00%
		THROUGH	353	370	17	4.82%
		RIGHT	70	73	3	4.29%
		TOTAL	2976	3020	44	1.48%
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	16	16	0	0.00%
		THROUGH	52	52	0	0.00%
		RIGHT	27	28	1	3.70%
	SB	LEFT	57	59	2	3.51%
		THROUGH	68	68	0	0.00%
		RIGHT	36	36	0	0.00%
	EB	LEFT	42	42	0	0.00%
		THROUGH	629	657	28	4.45%
		RIGHT	7	7	0	0.00%
	WB	LEFT	9	10	1	11.11%
		THROUGH	529	554	25	4.73%
		RIGHT	56	58	2	3.57%
		TOTAL	1528	1587	59	3.86%
ELWOOD ROAD (CR 10) AT SOUTH SCHOOL DRWY 3	NB	LEFT	115	115	0	0.00%
		THROUGH	808	816	8	0.99%
		RIGHT	0	0	0	0.00%
	SB	LEFT	0	0	0	0.00%
		THROUGH	733	739	6	0.82%
		RIGHT	84	84	0	0.00%
	EB	LEFT	85	85	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	131	131	0	0.00%
	WB	LEFT	0	0	0	0.00%
		THROUGH	0	0	0	0.00%
		RIGHT	0	0	0	0.00%
		TOTAL	1956	1970	14	0.72%

# RMS ENGINEERING

# TABLE 14

HOUSING HELP @ MATINECOCK COURT  
 COMPARISON OF 2006 VOLUMES WITH 2003 VOLUMES  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	EXISTING 2003-VOL	EXISTING 2006-VOL	DIFFERENCE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	82	46	-36
		THROUGH	425	327	-98
		RIGHT	43	63	20
	SB	LEFT	56	70	14
		THROUGH	398	511	113
		RIGHT	138	141	3
	EB	LEFT	133	97	-36
		THROUGH	316	322	6
		RIGHT	57	35	-22
	WB	LEFT	81	120	39
		THROUGH	522	531	9
		RIGHT	99	124	25
		TOTAL	2350	2387	37
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	11	8	-3
		THROUGH	38	67	29
		RIGHT	15	12	-3
	SB	LEFT	62	47	-15
		THROUGH	47	66	19
		RIGHT	30	54	24
	EB	LEFT	15	30	15
		THROUGH	429	367	-62
		RIGHT	1	1	0
	WB	LEFT	20	20	0
		THROUGH	667	611	-56
		RIGHT	45	56	11
		TOTAL	1380	1339	-41

# RMS ENGINEERING

# TABLE 15

HOUSING HELP @ MATINECOCK COURT  
 COMPARISON OF 2006 VOLUMES WITH 2003 VOLUMES  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	EXISTING 2003-VOL	EXISTING 2006-VOL	DIFFERENCE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	76	53	-23
		THROUGH	655	616	-39
		RIGHT	49	101	52
	SB	LEFT	83	68	-15
		THROUGH	395	452	57
		RIGHT	108	113	5
	EB	LEFT	229	220	-9
		THROUGH	589	596	7
		RIGHT	67	94	27
	WB	LEFT	76	90	14
		THROUGH	377	366	-11
		RIGHT	116	75	-41
	TOTAL	2820	2844	24	
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	15	17	2
		THROUGH	85	57	-28
		RIGHT	46	28	-18
	SB	LEFT	56	63	7
		THROUGH	57	52	-5
		RIGHT	19	33	14
	EB	LEFT	28	33	5
		THROUGH	783	795	12
		RIGHT	6	1	-5
	WB	LEFT	18	13	-5
		THROUGH	537	450	-87
		RIGHT	6	48	42
	TOTAL	1656	1590	-66	

# RMS ENGINEERING

# TABLE 16

HOUSING HELP @ MATINECOCK COURT  
 COMPARISION OF 2006 VOLUMES WITH 2003 VOLUMES  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

LOCATION	DIRECTION	MOVEMENT	EXISTING 2003-VOL	EXISTING 2006-VOL	DIFFERENCE
PULASKI ROAD (CR11) AT ELWOOD ROAD (CR 10) 1	NB	LEFT	133	117	-16
		THROUGH	596	586	-10
		RIGHT	76	98	22
	SB	LEFT	57	120	63
		THROUGH	479	580	101
		RIGHT	164	148	-16
	EB	LEFT	155	186	31
		THROUGH	431	429	-2
		RIGHT	60	113	53
	WB	LEFT	89	98	9
		THROUGH	355	342	-13
		RIGHT	77	67	-10
		TOTAL	2672	2884	212
PULASKI ROAD (CR11) AT STONY HOLLOW ROAD 2	NB	LEFT	15	15	0
		THROUGH	47	50	3
		RIGHT	34	26	-8
	SB	LEFT	51	55	4
		THROUGH	58	66	8
		RIGHT	22	34	12
	EB	LEFT	21	40	19
		THROUGH	561	610	49
		RIGHT	1	6	5
	WB	LEFT	18	8	-10
		THROUGH	633	513	-120
		RIGHT	41	54	13
		TOTAL	1502	1477	-25

TABLE 17

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON SATURDAY, MAY 13, 2006  
 RMS JOB NO. 2003-080  
 SEPTEMBER 2006

TRAVEL TIME FROM LAUREL HILL ROAD TO 6TH AVENUE (SOUTHBOUND)												
START	LAUREL HILL ROAD	NORTH SCHOOL EXIT DRIVEWAY	CROSSWALK	SOUTH SCHOOL DRIVEWAY	RAIL ROAD CROSSING	10TH AVENUE	PULASKI ROAD	FRANKLIN AVENUE	7TH AVENUE	6TH AVENUE	END	TOTAL TRAVEL TIME
11:03 AM	0:00	0:09	-	0:29	0:37	0:49	1:28	1:37	1:44	1:51	11:05 AM	1 MIN 51 SEC
11:11 AM	0:00	0:13	-	0:36	0:46	STOP 1:17	1:28	1:37	1:44	1:51	11:03 AM	1 MIN 52 SEC
		STOP 0:25				START 1:20						
		RED LIGHT				RED LIGHT						
11:21 AM	0:00	0:13	-	0:55	1:03	2:29	2:38	2:44	2:51	2:56	11:24 AM	2 MIN 56 SEC
		STOP 0:18			1:27 - 1:33							
		STOP 0:39			SLOW TRAFFIC							
		RED LIGHT			STOP 1:50							
					START 2:24							
					RED LIGHT							
11:28 AM	0:00	0:11	-	0:49	0:57	1:06	1:26	1:34	1:41	1:48	11:30 AM	1 MIN 48 SEC
		STOP 0:23										
		START 0:45										
		RED LIGHT										
11:35 AM	0:00	0:10	-	0:59	1:06	1:16	2:12	2:24	2:33	2:44	11:38 AM	2 MIN 44 SEC
		STOP 0:17				STOP 1:35						
		START 0:48				START 2:02						
		RED LIGHT				RED LIGHT						
11:51 AM	0:00	0:21	-	1:06	1:13	1:23	1:58	2:07	2:13	2:20	11:54 AM	2 MIN 20 SEC
		STOP 0:28										
		START 0:50										
		RED LIGHT										
12:00 PM	0:00	1:00	-	1:47	1:54	2:03	3:01	3:10	3:17	3:23	12:03 PM	3 MIN 23 SEC
0:31-0:54		STOP 1:15				STOP 2:20						
		START 1:43				START 2:48						
		RED LIGHT				RED LIGHT						
12:09 PM	0:00	0:15	-	1:48	1:56	2:06	2:47	2:55	3:02	3:08	12:12 PM	3 MIN 8 SEC
		STOP 0:18				STOP 2:27						
		START 0:55				START 2:42						
		RED LIGHT				RED LIGHT						
12:20 PM	0:00	1:16	-	2:01	2:09	2:21	2:58	3:07	3:14	3:23	12:23 PM	3 MIN 23 SEC
		STOP 1:28										
		START 1:48										
		RED LIGHT										
12:30 PM	0:00	0:30	-	1:19	1:26	1:39	2:39	2:47	2:53	3:00	12:33 PM	3 MIN
		STOP 0:08				STOP 2:04						
		START 1:08				START 2:27						

TABLE 17

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON SATURDAY, MAY 13, 2006  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

TRAVEL TIME FROM LAUREL HILL ROAD TO 6TH AVENUE (SOUTHBOUND)												
START	LAUREL HILL ROAD	NORTH SCHOOL EXIT DRIVEWAY	CROSSWALK	SOUTH SCHOOL DRIVEWAY	RAIL ROAD CROSSING	10TH AVENUE	PULASKI ROAD	FRANKLIN AVENUE	7TH AVENUE	6TH AVENUE	END	TOTAL TRAVEL TIME
12:42 PM	RED LIGHT 0:00	RED LIGHT 0:06	-	0:18	0:22	RED LIGHT 0:30	1:47	1:56	2:03	2:11	12:44 PM	2 MIN 11 SEC
						STOP 1:02						
						START 1:34						
12:53 PM	0:00	0:12	-	0:27	0:38	RED LIGHT 0:47	1:53	2:04	2:11	2:20	12:55 PM	2 MIN 20 SEC
						STOP 1:45						
						START 1:38						
1:01 PM	0:00	0:10	-	0:48	0:55	RED LIGHT 1:05	2:29	2:36	2:42	2:50	1:04 PM	2 MIN 50 SEC
		STOP 0:20				1:22-1:28						
		START 0:39				SLOW						
		RED LIGHT				STOP 1:47						
						START 2:21						
1:15 PM	0:00	0:12	-	0:52	0:59	RED LIGHT 1:09	1:59	2:08	2:16	2:23	1:18 PM	2 MIN 16 SEC
		STOP 0:20				STOP 1:27						
		START 0:41				START 1:45						
1:23 PM	0:00	0:12	-	0:51	0:59	RED LIGHT 1:10	1:48	1:56	2:02	2:09	1:26 PM	2 MIN 9 SEC
		STOP 0:20										
		START 0:37										
1:30 PM	0:00	1:08	-	1:52	2:00	2:11	2:45	2:53	3:00	3:07	1:34 PM	3 MIN 7 SEC
	STOP 0:04	STOP 1:23										
	START 1:02	START 1:46										
1:38 PM	0:00	0:09	-	0:48	0:55	1:05	2:16	2:23	2:28	2:34	1:40 PM	2 MIN 34 SEC
		STOP 0:17				STOP 1:36						
		START 0:37				START 2:03						
1:54 PM	0:00	0:10	-	0:54	1:02	1:12	2:00	2:09	2:15	2:22	1:56 PM	2 MIN 22 SEC
		STOP 0:17				STOP 1:32						
		START 0:39				START 1:49						
		RED LIGHT				RED LIGHT						



TABLE 18

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON SATURDAY, MAY 13, 2006  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

TRAVEL TIME FROM 6TH AVENUE TO LAUREL HILL ROAD (NORTHBOUND)													
START	6TH AVENUE	7TH AVENUE	FRANKLIN AVENUE	PULASKI ROAD	10TH AVENUE	RAIL ROAD CROSSING	SOUTH SCHOOL DRIVEWAY	CROSSWALK	NORHT SCHOOL EXIT DRIVEWAY	LAUREL HILL ROAD	END	TOTAL TRAVEL TIME	
12:24 PM	0:00	1:05	1:20	2:16	3:44	4:33	5:01		5:12	5:39	12:30 PM	5 MIN 39 SEC	
	STOP 0:23		STOP 1:25	STOP 2:23	STOP 3:46	STOP 4:40			STOP 5:20				
	START 1:01		START 2:04	START 2:45	START 4:08	START 4:53			START 5:34				
	RED LIGHT		RED LIGHT	SLOW	RED LIGHT	RED LIGHT			RED LIGHT				
	SLOW												
12:35 PM	0:00	0:33	1:06	1:59	3:22	3:51	4:29		4:41	4:47	12:40 PM	4 MIN 47 SEC	
	STOP 0:21		STOP 0:35	STOP 2:41	STOP 3:30	STOP 3:59							
	START 0:25		START 0:52	START 2:55	START 3:38	START 4:25							
	SLOW		RED LIGHT	RED LIGHT	RED LIGHT	RED LIGHT							
				SLOW									
12:48 PM	0:00	0:42	1:01	1:39	3:06	3:30	3:53		4:07	4:29	12:52 PM	4 MIN 29 SEC	
	STOP 0:12		STOP 1:05	STOP 1:59	STOP 3:34	STOP 3:34			STOP 4:18				
	START 0:32		START 1:23	START 2:09	START 3:44	START 4:25			START 4:25				
	SLOW		RED LIGHT	SLOW	RED LIGHT	RED LIGHT			RED LIGHT				
				START 2:43									
				START 2:54									
				SLOW									
1:05 PM	0:00	0:12	0:26	0:58	1:39	2:14	2:24		2:35	2:58	1:08 PM	2 MIN 59 SEC	
	STOP 0:31		STOP 0:46	STOP 1:54	STOP 2:01	STOP 3:06			STOP 2:41				
	START 0:46		START 1:04	START 1:12	START 2:37	START 3:18			START 2:50				
	RED LIGHT		RED LIGHT	RED LIGHT	RED LIGHT	RED LIGHT			RED LIGHT				
1:18 PM	0:00	0:10	0:18	1:08	2:37	3:02	3:26		3:38	4:04	1:23 PM	4 MIN 4 SEC	
	STOP 0:28		STOP 0:28	STOP 1:12	STOP 3:06	STOP 3:06			STOP 3:46				
	START 1:04		START 1:19	START 1:19	START 3:18	START 3:18			START 3:58				
	RED LIGHT		RED LIGHT	SLOW	RED LIGHT	RED LIGHT			RED LIGHT				
1:28 PM	0:00	0:10	0:19	0:27	0:53	1:31	1:37		1:47	2:18	1:29 PM	2 MIN 18 SEC	
	STOP 1:11		STOP 1:11	STOP 1:11	STOP 1:11	STOP 1:11			STOP 1:50				
	START 1:23		START 1:23	START 1:23	START 1:23	START 1:23			START 2:06				
	RED LIGHT		RED LIGHT	RED LIGHT	RED LIGHT	RED LIGHT			RED LIGHT				
1:34 PM	0:00	0:08	0:18	0:29	0:51	1:01	1:33		1:45	2:19	1:37 PM	2 MIN 19 SEC	
	STOP 1:07		STOP 1:07	STOP 1:07	STOP 1:07	STOP 1:07			STOP 1:54				
	START 1:27		START 1:27	START 1:27	START 1:27	START 1:27			START 2:15				
	RED LIGHT		RED LIGHT	RED LIGHT	RED LIGHT	RED LIGHT			RED LIGHT				
1:42 PM	0:00	0:08	0:14	0:22	0:46	1:05	1:44		1:57	2:25	1:45 PM	2 MIN 25 SEC	
	STOP 1:09		STOP 1:09	STOP 1:09	STOP 1:09	STOP 1:09			STOP 2:03				
	START 1:34		START 1:34	START 1:34	START 1:34	START 1:34			START 2:17				
	RED LIGHT		RED LIGHT	RED LIGHT	RED LIGHT	RED LIGHT			RED LIGHT				
1:57 PM	0:00	0:08	0:30	1:23	1:46	1:56	2:19		2:30	3:04	2:00 PM	3 MIN 4 SEC	
	STOP 1:54		STOP 1:54	STOP 1:54	STOP 1:54	STOP 1:54			STOP 2:30				

TABLE 19

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON WEDNESDAY, MAY 17, 2006  
 RMS JOB No. 2005-080  
 SEPTEMBER 2006

TRAVEL TIME FROM LAUREL HILL ROAD TO 6TH AVENUE (SOUTHBOUND)												
START	LAUREL HILL ROAD	NORTH SCHOOL EXIT DRIVEWAY	CROSSWALK	SOUTH SCHOOL DRIVEWAY	RAIL ROAD CROSSING	10TH AVENUE	PULASKI ROAD	FRANKLIN AVENUE	7TH AVENUE	6TH AVENUE	END	TOTAL TRAVEL TIME
7:01 AM	0:00	0:10	-	0:20	0:24	STOP 0:57	2:02	2:12	2:19	2:26	7:04 AM	2 MIN 26 SEC
						START 1:57						
						RED LIGHT						
7:08 AM	0:00	0:08	-	0:16	0:21	STOP 0:57	1:55	2:03	2:09	2:15	7:10 AM	2 MIN 10 SEC
						START 1:45						
						RED LIGHT						
7:19 AM	0:00	0:10	-	0:44	1:12	STOP 1:44	2:32	2:38	2:47	2:53	7:23 AM	2 MIN 53 SEC
						START 1:02						
						STOP 1:08						
						SCHOOLBUS						
						STOP						
7:27 AM	0:00	0:09	-	1:04	1:14	STOP 1:44	2:38	2:47	2:54	3:01	7:30 AM	3 MIN 1 SEC
						START 1:44						
						STOP 2:27						
						RED LIGHT						
7:34 AM	0:00	0:09	-	0:48	0:55	STOP 1:09	2:56	3:05	3:11	3:17	7:37 AM	3 MIN 17 SEC
						START 1:16						
						STOP 1:36						
						RED LIGHT						
						STOP 2:07						
						START 2:41						
						RED LIGHT						
7:49 AM	0:00	0:10	-	1:03	1:09	STOP 1:18	2:49	2:56	3:04	3:11	7:52 AM	3 MIN 11 SEC
						START 1:54						
						STOP 2:36						
						RED LIGHT						
7:56 AM	0:00	0:08	-	0:35	0:45	STOP 1:21	2:20	2:28	2:34	2:41	8:01 AM	2 MIN 41 SEC
						START 2:11						
						RED LIGHT						
8:06 AM	0:00	0:08	-	0:16	0:21	STOP 0:44	1:18	1:27	1:33	1:40	8:08 AM	1 MIN 40 SEC
						START 1:04						
						RED LIGHT						
8:10 AM	0:00	0:09	-	0:18	0:23	STOP 0:53	1:18	1:25	1:32	1:39	8:12 AM	1 MIN 39 SEC

TABLE 19

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON WEDNESDAY, MAY 17, 2006  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

TRAVEL TIME FROM LAUREL HILL ROAD TO 6TH AVENUE (SOUTHBOUND)												
START	LAUREL HILL ROAD	NORTH SCHOOL EXIT DRIVEWAY	CROSSWALK	SOUTH SCHOOL DRIVEWAY	RAIL ROAD CROSSING	10TH AVENUE	PULASKI ROAD	FRANKLIN AVENUE	7TH AVENUE	6TH AVENUE	END	TOTAL TRAVEL TIME
						START 1:10						
8:28 AM	0:00	0:00	-	0:16	0:21	RED LIGHT	1:04	1:12	1:18	1:24	8:30 AM	1 MIN 24 SEC
8:34 AM	0:00	0:11	-	0:20	0:26	STOP 0:35	2:28	2:37	2:43	2:50	8:37 AM	2 MIN 50 SEC
						STOP 0:50						
						START 1:10						
						RED LIGHT						
						STOP 1:39						
						START 2:20						
						RED LIGHT						
8:50 AM	0:00	0:10	-	0:20	0:25	STOP 0:34	1:19	1:28	1:34	1:40	8:52 AM	1 MIN 40 SEC
						STOP 0:57						
						START 1:13						
						RED LIGHT						

TABLE 20

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON WEDNESDAY, MAY 17, 2006  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

TRAVEL TIME FROM 6TH AVENUE TO LAUREL HILL ROAD (NORTHBOUND)												
START	6TH AVENUE	7TH AVENUE	FRANKLIN AVENUE	PULASKI ROAD	10TH AVENUE	RAIL ROAD CROSSING	SOUTH SCHOOL DRIVEWAY	CROSSWALK	NDRHT SCHOOL EXIT DRIVEWAY	LAUREL HILL ROAD	END	TOTAL TRAVEL TIME
7:05 AM	0:00	0:06	0:12	1:15	1:30	1:46	1:51		2:00	2:06	7:08 AM	2 MIN 6 SEC
			STOP 0:20									
			START 1:12									
			RED LIGHT									
7:11 AM	0:00	0:06	0:12	0:19	0:38	0:45	0:51		1:00	1:06	7:13 AM	1 MIN 13 SEC
7:24 AM	0:00	0:06	0:12	0:47	1:08	1:17	1:34		1:46	1:52	7:26 AM	1 MIN 52 SEC
			STOP 0:20			STOP 1:24						
			START 0:42			START 1:30						
			RED LIGHT			RED LIGHT						
7:31 AM	0:00	0:06	0:13	0:57	1:23	1:45	1:52		2:03	2:09	7:34 AM	2 MIN 9 SEC
			STOP 0:17									
			START 0:48									
			RED LIGHT									
7:39 AM	0:00	0:09	0:18	1:13	1:45	1:54	5:21		5:31	6:12	7:45 AM	6 MIN 12 SEC
			STOP 0:24	STOP 1:23					STOP 5:39			
			START 1:06	START 2:42					START 6:08			
			RED LIGHT	SLOW					RED LIGHT			
				STOP 3:16								
			START 4:20	START 4:20								
			RED LIGHT	RED LIGHT								
7:53 AM	0:00	0:07	0:14	1:20	1:45	2:13	2:22		2:34	2:42	7:56 AM	2 MIN 42 SEC
			STOP 0:22									
			START 1:15									
			RED LIGHT									
8:03 AM	0:00	0:06	0:11	1:09	1:33	1:40	1:46		1:54	2:01	8:06 AM	2 MIN 1 SEC
			STOP 0:19									
			START 1:05									
			RED LIGHT									
8:08 AM	0:00	0:07	0:12	0:19	0:38	0:46	0:51		0:59	1:05	8:09 AM	1 MIN 5 SEC
8:13 AM	0:00	0:07	0:28	1:19	1:42	1:50	1:56		2:06	2:11	8:15 AM	2 MIN 11 SEC
			STOP 0:14	STOP 0:39								
			START 1:15	START 1:15								
			SCHOOL	SCHOOL								
			BUS STOP	BUS STOP								
8:31 AM	0:00	0:07	0:13	1:16	1:38	1:46	2:09		2:21	2:27	8:34 AM	2 MIN 27 SEC
			STOP 0:20									
			START 1:13			STOP 1:51						
			RED LIGHT			START 2:06						
						RED LIGHT						
8:38 AM	0:00	0:07	0:14	0:24	0:47	0:55	1:01		1:09	1:16	8:39 AM	1 MIN 39 SEC
8:55 AM	0:00	0:07	0:13	0:20	0:41	0:49	0:55		1:04	1:11	8:57 AM	1 MIN 11 SEC

TABLE 21

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON WEDNESDAY, MAY 17, 2006  
 RMS JOB No. 2003-080  
 SEPTEMBER 2005

TRAVEL TIME FROM LAUREL HILL ROAD TO 8TH AVENUE (SOUTHBOUND)												
START	LAUREL HILL ROAD	NORTH SCHOOL EXIT DRIVEWAY	CROSSWALK	SOUTH SCHOOL DRIVEWAY	RAIL ROAD CROSSING	10TH AVENUE	PULASKI ROAD	FRANKLIN AVENUE	7TH AVENUE	6TH AVENUE	END	TOTAL TRAVEL TIME
2:01 PM	0:00	0:10		0:18	0:24	STOP 0:55 START 1:29 RED LIGHT	1:33	1:43	1:49	1:56	2:03 PM	1 MIN 56 SEC
2:07 PM	0:00	0:07		0:24	0:33	STOP 1:06 START 1:40 RED LIGHT	1:48	1:56	2:02	2:09	2:10 PM	2 MIN 9 SEC
2:20 PM	0:00	0:10		0:19	0:25	STOP 0:59 START 1:18 RED LIGHT	1:25	1:34	1:40	1:47	2:22 PM	1 MIN 47 SEC
2:30 PM	0:00	0:10		0:20	0:26	STOP 0:56 START 1:18 RED LIGHT	1:27	1:36	1:42	1:49	2:32 PM	1 MIN 49 SEC
2:42 PM	0:00	0:11		0:20	0:30	STOP 1:03 START 1:27 RED LIGHT	1:33	1:42	1:46	1:55	2:44 PM	1 MIN 55 SEC
2:50 PM	0:00	0:11		0:45	0:53	STOP 1:03 START 1:27 RED LIGHT	1:31	1:40	1:47	1:54	2:52 PM	1 MIN 54 SEC
2:57 PM	0:00	0:09		0:18	0:43	STOP 1:48 START 2:10 RED LIGHT	2:19	2:29	2:37	2:44	3:00 PM	2 MIN 44 SEC
3:07 PM	0:00	0:51		2:02	2:16	STOP 2:31 START 2:58 RED LIGHT	3:06	3:14	3:22	3:29	3:40 PM	3 MIN 29 SEC
3:21 PM	0:00	0:10		0:40	0:46	STOP 1:13 START 1:30 RED LIGHT	2:55	3:04	3:11	3:17	3:25 PM	3 MIN 17 SEC
3:28 PM	0:00	0:07		0:16	0:48	STOP 1:23 START 1:43 RED LIGHT	2:30	2:38	2:46	2:52	3:32 PM	2 MIN 52 SEC

TABLE 21

RMS ENGINEERING

HOUSING HELP @ MATINECOCK COURT  
 TRAVEL TIME AND DELAY DATA  
 DATA COLLECTED ON WEDNESDAY, MAY 17, 2006  
 RMS JOB No. 2003-080  
 SEPTEMBER 2006

TRAVEL TIME FROM LAUREL HILL ROAD TO 6TH AVENUE (SOUTHBOUND)												
START	LAUREL HILL ROAD	NORTH SCHOOL EXIT DRIVEWAY	CROSSWALK	SOUTH SCHOOL DRIVEWAY	RAIL ROAD CROSSING	10TH AVENUE	PULASKI ROAD	FRANKLIN AVENUE	7TH AVENUE	6TH AVENUE	END	TOTAL TRAVEL TIME
				STOP 0:20		STOP 1:32						
				START 0:32		RED LIGHT						
3:42 PM	0:00	0:10		SLOW	0:26	0:35	1:36	1:44	1:51	1:58	3:44 PM	1 MIN 56 SEC
						STOP 0:52						
						START 1:25						
3:52 PM	0:00	0:09			0:24	0:34	1:08	1:17	1:24	1:30	3:54 PM	1 MIN 30 SEC
3:58 PM	0:00	0:10			0:27	0:36	1:22	1:32	1:38	1:46	4:00 PM	1 MIN 46 SEC
						STOP 0:56						
						START 1:15						
						RED LIGHT						
4:14 PM	0:00	0:07			0:27	0:37	1:37	1:46	1:53	1:59	4:17 PM	1 MIN 59 SEC
						STOP 1:02						
						START 1:30						
4:20 PM	0:00	0:11			0:35	0:46	1:30	1:39	1:45	1:52	4:22 PM	1 MIN 52 SEC
4:35 PM	0:00	0:09			0:23	0:31	1:29	1:37	1:43	1:50	4:37 PM	1 MIN 50 SEC
						STOP 0:53						
						START 1:20						
						RED LIGHT						
4:40 PM	0:00	0:10			0:29	0:40	1:16	1:25	1:31	1:38	4:42 PM	1 MIN 38 SEC
						STOP 0:59						
						START 1:05						
4:52 PM	0:00	0:10			0:25	0:34	1:22	1:31	1:38	1:45	4:53 PM	1 MIN 45 SEC
						STOP 0:53						
						START 1:09						
						RED LIGHT						
5:02 PM	0:00	0:10			0:27	0:36	1:12	1:22	1:29	1:35	5:05 PM	1 MIN 35 SEC
						STOP 0:59						
						START 1:08						
5:08 PM	0:00	0:10			0:32	0:41	1:23	1:33	1:39	1:46	5:10 PM	1 MIN 46 SEC
						STOP 1:02						
						START 1:17						
						RED LIGHT						
5:25 PM	0:00	0:09			1:11	1:19	2:33	2:43	2:50	2:57	5:28 PM	2 MIN 57 SEC
						STOP 1:43						
						START 2:29						
						RED LIGHT						
5:32 PM	0:00	0:10			0:25	0:33	1:42	1:49	1:55	2:02	5:34 PM	2 MIN 2 SEC
						STOP 0:46						
						START 1:24						
						RED LIGHT						
5:47 PM	0:00	0:10			0:32	0:41	1:31	1:40	1:45	1:53	5:48 PM	1 MIN 53 SEC
						STOP 0:58						
						START 1:15						
						RED LIGHT						
5:52 PM	0:00	0:06			0:14	0:19	0:53	1:01	1:08	1:15	5:53 PM	1 MIN 15 SEC





# RMS Engineering

AM PEAK HOUR - ORIGINAL

Project Name: Housing Help

RMS Project No 2003-080

GROWTH FACTOR: 1.00%

NO. OF YEARS: 2

GROWTH RATE: 1.030

LOCATION	DIR	MVMT	EXISTING VOLUME	AMBIENT NO BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	46	48
		THROUGH	327	337
		RIGHT	63	65
	SB	LEFT	70	73
		THROUGH	511	527
		RIGHT	141	146
	EB	LEFT	97	100
		THROUGH	322	332
		RIGHT	35	37
	WB	LEFT	120	124
		THROUGH	531	547
		RIGHT	124	128
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	8	9
		THROUGH	57	70
		RIGHT	12	13
	SB	LEFT	47	49
		THROUGH	56	68
		RIGHT	54	56
	EB	LEFT	30	31
		THROUGH	357	379
		RIGHT	1	2
	WB	LEFT	20	21
		THROUGH	511	530
		RIGHT	56	58
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0
	SB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0
	EB	LEFT	0	0
		THROUGH	426	439
		RIGHT	0	0
	WB	LEFT	0	0
		THROUGH	687	708
		RIGHT	0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	270	279
		THROUGH	434	448
		RIGHT	0	0
	SB	LEFT	0	0
		THROUGH	718	740
		RIGHT	234	242
	EB	LEFT	34	36
		THROUGH	0	0
		RIGHT	69	72
	WB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0

# RMS Engineering

AM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No: 2003-050

OTHER  
 PLANNED  
 PROJECTS

NO PLANNED PROJECTS			
		VOL	
	ENTER		
	EXIT		
	TOTAL		

LOCATION	DIR	MVMT	%EN	%EX	1	SUBTOTAL
					VOL	VOL
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0

# RMS Engineering

AM PEAK HOUR - ORIGINAL

Project Name: Housing Help

RMS Project No. 2003-080

LOCATION	DIR	MVMT	AMBIENT NO BUILD VOLUME	SUBTOTAL TRAFFIC GENERATED BY OTHER PROJECTS	SUBTOTAL NO BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	48	0	48
		THROUGH	337	0	337
		RIGHT	65	0	65
	SB	LEFT	73	0	73
		THROUGH	527	0	527
		RIGHT	146	0	146
	EB	LEFT	160	0	160
		THROUGH	332	0	332
		RIGHT	37	0	37
	WB	LEFT	124	0	124
		THROUGH	547	0	547
		RIGHT	128	0	128
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	9	0	9
		THROUGH	70	0	70
		RIGHT	13	0	13
	SB	LEFT	49	0	49
		THROUGH	66	0	66
		RIGHT	56	0	56
	EB	LEFT	31	0	31
		THROUGH	379	0	379
		RIGHT	2	0	2
	WB	LEFT	21	0	21
		THROUGH	630	0	630
		RIGHT	58	0	58
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	EB	LEFT	0	0	0
		THROUGH	439	0	439
		RIGHT	0	0	0
	WB	LEFT	0	0	0
		THROUGH	706	0	706
		RIGHT	0	0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	279	0	279
		THROUGH	448	0	448
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	740	0	740
		RIGHT	242	0	242
	EB	LEFT	36	0	36
		THROUGH	0	0	0
		RIGHT	72	0	72
	WB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0

# RMS Engineering

AM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Projed No. 2003-080

155 UNIT GARDEN APTS.		SUBTOTAL TRAFFIC GENERATED
VOL		
ENTER	15	
EXIT	69	
TOTAL		84

LOCATION	DIR	MVMT	%EN	%EX	1 VOL	SUBTOTAL VOL
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	5		1	1
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT	10		2	2
	EB	LEFT		13	0	0
		THROUGH		34	23	23
		RIGHT		5	3	3
	WB	LEFT			0	0
		THROUGH	34		5	5
		RIGHT			0	0
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT	1		0	0
	SB	LEFT	4		1	1
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH	40		7	7
		RIGHT			0	0
	WB	LEFT		1	1	1
		THROUGH		44	39	39
		RIGHT		3	2	2
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT		52	36	36
		THROUGH			0	0
		RIGHT		48	33	33
	EB	LEFT	51		5	5
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT	40		7	7
ELWOOD ROAD (CR 10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT			0	0
		THROUGH		13	9	9
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH	10		2	2
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0

# RMS Engineering

AM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No 2003-080

LOCATION	DIR	MVMT	SUBTOTAL NO BUILD VOLUME	TRAFFIC GENERATED BY PROPOSED PROJECT	TOTAL BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	48	1	49
		THROUGH	337	0	337
		RIGHT	65	0	65
	SB	LEFT	73	0	73
		THROUGH	527	0	527
		RIGHT	146	2	148
	EB	LEFT	100	9	109
		THROUGH	332	23	355
		RIGHT	37	3	40
	WB	LEFT	124	0	124
		THROUGH	547	5	552
		RIGHT	126	0	126
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	9	0	9
		THROUGH	70	0	70
		RIGHT	13	0	13
	SB	LEFT	49	1	50
		THROUGH	66	0	66
		RIGHT	56	0	56
	EB	LEFT	31	0	31
		THROUGH	379	7	386
		RIGHT	2	0	2
	WB	LEFT	21	1	22
		THROUGH	630	30	660
		RIGHT	58	2	60
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	SB	LEFT	0	36	36
		THROUGH	0	0	0
		RIGHT	0	33	33
	EB	LEFT	0	8	8
		THROUGH	439	0	439
		RIGHT	0	0	0
	WB	LEFT	0	0	0
		THROUGH	708	0	708
		RIGHT	0	7	7
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	279	0	279
		THROUGH	446	9	457
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	740	2	742
		RIGHT	242	0	242
	EB	LEFT	36	0	36
		THROUGH	0	0	0
		RIGHT	72	0	72
	WB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0

# RMS Engineering

PM PEAK HOUR - ORIGINAL

Project Name: Housing Help

RMS Project No 2003-080

GROWTH FACTOR: 1.00%

NO. OF YEARS: 2

GROWTH RATE: 1.030

LOCATION	DIR	MVMT	EXISTING VOLUME	AMBIENT NO BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	53	55
		THROUGH	616	635
		RIGHT	101	105
	SB	LEFT	68	71
		THROUGH	452	466
		RIGHT	113	117
	EB	LEFT	220	227
		THROUGH	696	614
		RIGHT	94	97
	WB	LEFT	90	93
		THROUGH	366	377
		RIGHT	75	76
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	17	18
		THROUGH	57	59
		RIGHT	28	29
	SB	LEFT	63	65
		THROUGH	52	54
		RIGHT	33	34
	EB	LEFT	33	34
		THROUGH	795	819
		RIGHT	1	2
	WB	LEFT	13	14
		THROUGH	460	464
		RIGHT	48	50
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0
	SB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0
	EB	LEFT	0	0
		THROUGH	886	913
		RIGHT	0	0
	WB	LEFT	0	0
		THROUGH	511	527
		RIGHT	0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	50	52
		THROUGH	846	872
		RIGHT	0	0
	SB	LEFT	0	0
		THROUGH	626	645
		RIGHT	57	59
	EB	LEFT	42	44
		THROUGH	0	0
		RIGHT	57	59
	WB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0

# RMS Engineering

PM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No: 2003-080

OTHER  
 PLANNED  
 PROJECTS

NO PLANNED PROJECTS	VOL	SUBTOTAL TRAFFIC GENERATED BY OTHER PROJECTS
	ENTER	
	EXIT	
	TOTAL	

LOCATION	DIR	MVMT	%EN	%EX	1 VOL	SUBTOTAL VOL
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
ELWOOD ROAD (CR10) AT SCHODL SOUTH DRIVEWAY  4	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0

# RMS Engineering

PM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No 2003-080

LOCATION	DIR	MVMT	AMBIENT NO BUILD VOLUME	SUBTOTAL TRAFFIC GENERATED BY OTHER PROJECTS	SUBTOTAL NO BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	59	0	59
		THROUGH	625	0	635
		RIGHT	105	0	105
	SB	LEFT	71	0	71
		THROUGH	456	0	466
		RIGHT	117	0	117
	EB	LEFT	227	0	227
		THROUGH	614	0	614
		RIGHT	97	0	97
	WB	LEFT	93	0	93
		THROUGH	377	0	377
		RIGHT	78	0	78
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	18	0	18
		THROUGH	59	0	59
		RIGHT	29	0	29
	SB	LEFT	65	0	65
		THROUGH	54	0	54
		RIGHT	34	0	34
	EB	LEFT	34	0	34
		THROUGH	819	0	819
		RIGHT	2	0	2
	WB	LEFT	14	0	14
		THROUGH	464	0	464
		RIGHT	50	0	50
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	EB	LEFT	0	0	0
		THROUGH	913	0	913
		RIGHT	0	0	0
	WB	LEFT	0	0	0
		THROUGH	527	0	527
		RIGHT	0	0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	52	0	52
		THROUGH	872	0	872
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	645	0	645
		RIGHT	59	0	59
	EB	LEFT	44	0	44
		THROUGH	0	0	0
		RIGHT	59	0	59
	WB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0

# RMS Engineering

PM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No. 2003-080

155 UNIT GARDEN APTS.		SUBTOTAL TRAFFIC GENERATED
VOL		
ENTER	72	
EXIT	37	
TOTAL		109

LOCATION	D/R	MVMT	%EN	%EX	1 VOL	SUBTOTAL VOL.	
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	5		4	4	
		THROUGH			0	0	
		RIGHT			0	0	
	SB	LEFT			0	0	
		THROUGH			0	0	
		RIGHT	10		7	7	
	EB	LEFT			13	5	5
		THROUGH			34	13	13
		RIGHT			5	2	2
	WB	LEFT			0	0	0
THROUGH				34	24	24	
RIGHT				0	0	0	
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT			0	0	
		THROUGH			0	0	
		RIGHT	1		1	1	
	SB	LEFT	4		3	3	
		THROUGH			0	0	
		RIGHT			0	0	
	EB	LEFT			0	0	
		THROUGH	40		33	33	
		RIGHT			0	0	
	WB	LEFT			1	0	0
THROUGH				44	16	16	
RIGHT				3	1	1	
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT			0	0	
		THROUGH			0	0	
		RIGHT			0	0	
	SB	LEFT			52	10	10
		THROUGH			0	0	
		RIGHT			40	10	10
	EB	LEFT	01		37	37	
		THROUGH			0	0	
		RIGHT			0	0	
	WB	LEFT			0	0	
THROUGH				0	0		
RIGHT		40		35	35		
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT			0	0	
		THROUGH			13	5	5
		RIGHT			0	0	
	SB	LEFT			0	0	
		THROUGH	10		7	7	
		RIGHT			0	0	
	EB	LEFT			0	0	
		THROUGH			0	0	
		RIGHT			0	0	
	WB	LEFT			0	0	
THROUGH				0	0		
RIGHT				0	0		

# RMS Engineering

PM PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No 2003-080

LOCATION	DIR	MVMT	SUBTOTAL NO BUILD VOLUME	TRAFFIC	TOTAL BUILD VOLUME
				GENERATED BY PROPOSED PROJECT	
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	55	4	59
		THROUGH	635	0	635
		RIGHT	105	0	105
	SB	LEFT	71	0	71
		THROUGH	466	0	466
		RIGHT	117	7	124
	EB	LEFT	227	5	232
		THROUGH	614	13	627
		RIGHT	97	2	99
	WB	LEFT	93	0	93
		THROUGH	377	24	401
		RIGHT	78	0	78
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	18	0	18
		THROUGH	59	0	59
		RIGHT	29	1	30
	SB	LEFT	65	3	68
		THROUGH	54	0	54
		RIGHT	34	0	34
	EB	LEFT	34	0	34
		THROUGH	819	33	852
		RIGHT	2	0	2
	WB	LEFT	14	0	14
		THROUGH	464	16	480
		RIGHT	50	1	51
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	SB	LEFT	0	19	19
		THROUGH	0	0	0
		RIGHT	0	18	18
	EB	LEFT	0	37	37
		THROUGH	913	0	913
		RIGHT	0	0	0
WB	LEFT	0	0	0	
	THROUGH	527	0	527	
	RIGHT	0	35	35	
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	52	0	52
		THROUGH	872	5	877
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	645	7	652
		RIGHT	59	0	59
	EB	LEFT	44	0	44
		THROUGH	0	0	0
		RIGHT	59	0	59
	WB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0

# RMS Engineering

SAT PEAK HOUR - ORIGINAL

Project Name: Housing Help

RMS Project No 2003-080

GROWTH FACTOR: 1.00%

NO OF YEARS: 2

GROWTH RATE: 1.030

LOCATION	DIR	MVMT	EXISTING VOLUME	AMBIENT NO BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	117	121
		THROUGH	586	604
		RIGHT	98	101
	SB	LEFT	120	124
		THROUGH	580	598
		RIGHT	148	153
	EB	LEFT	186	192
		THROUGH	429	442
		RIGHT	113	117
	WB	LEFT	98	101
		THROUGH	342	353
		RIGHT	67	70
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	15	16
		THROUGH	50	52
		RIGHT	26	27
	SB	LEFT	55	57
		THROUGH	66	68
		RIGHT	34	35
	EB	LEFT	40	42
		THROUGH	610	629
		RIGHT	6	7
	WB	LEFT	8	9
		THROUGH	513	529
		RIGHT	54	56
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0
	SB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0
	EB	LEFT	0	0
		THROUGH	691	712
		RIGHT	0	0
	WB	LEFT	0	0
		THROUGH	575	593
		RIGHT	0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	111	115
		THROUGH	764	808
		RIGHT	0	0
	SB	LEFT	0	0
		THROUGH	711	733
		RIGHT	81	84
	EB	LEFT	82	85
		THROUGH	0	0
		RIGHT	127	131
	WB	LEFT	0	0
		THROUGH	0	0
		RIGHT	0	0

# RMS Engineering

SAT PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No. 2003-080

OTHER  
 PLANNED  
 PROJECTS

NO PLANNED PROJECTS		SUBTOTAL TRAFFIC GENERATED BY OTHER PROJECTS	
ENTER	VOL		
EXIT			
TOTAL			

LOCATION	DIR	MYMT	%EN	%EX	1 VOL	SUBTOTAL VOL
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0

# RMS Engineering

SAT PEAK HOUR - ORIGINAL

Project Name: Housing Help

RMS Project No 2003-080

LOCATION	DIR	MVMT	AMBIENT NO BUILD VOLUME	SUBTOTAL TRAFFIC GENERATED BY OTHER PROJECTS	SUBTOTAL NO BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	121	0	121
		THROUGH	604	0	604
		RIGHT	101	0	101
	SB	LEFT	124	0	124
		THROUGH	598	0	598
		RIGHT	153	0	153
	EB	LEFT	192	0	192
		THROUGH	442	0	442
		RIGHT	117	0	117
	WB	LEFT	101	0	101
		THROUGH	353	0	353
		RIGHT	70	0	70
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	16	0	16
		THROUGH	52	0	52
		RIGHT	27	0	27
	SB	LEFT	57	0	57
		THROUGH	68	0	68
		RIGHT	36	0	36
	EB	LEFT	42	0	42
		THROUGH	629	0	629
		RIGHT	7	0	7
	WB	LEFT	9	0	9
		THROUGH	529	0	529
		RIGHT	56	0	56
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	EB	LEFT	0	0	0
		THROUGH	712	0	712
		RIGHT	0	0	0
	WB	LEFT	0	0	0
		THROUGH	593	0	593
		RIGHT	0	0	0
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	115	0	115
		THROUGH	808	0	808
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	733	0	733
		RIGHT	84	0	84
	EB	LEFT	85	0	85
		THROUGH	0	0	0
		RIGHT	131	0	131
	WB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0

# RMS Engineering

SAT PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No: 2003-080

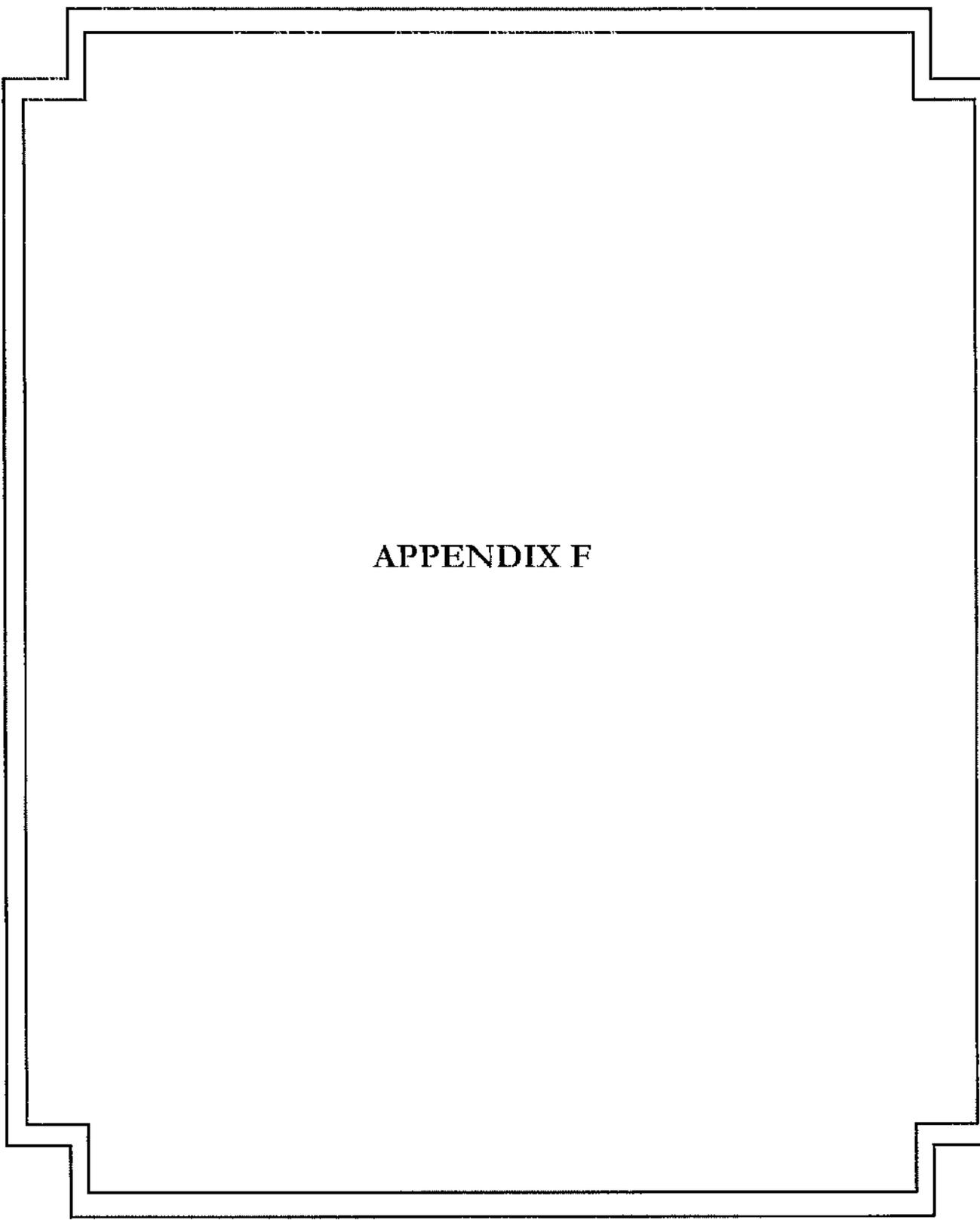
155 UNIT GARDEN APTS.		SUBTOTAL TRAFFIC GENERATED
VOL		
ENTER	60	
EXIT	50	
TOTAL		110

LOCATION	DIR	MVMT	%EN	%EX	1 VOL	SUBTOTAL VOL
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	5		3	3
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH			0	0
		RIGHT	10		0	0
	EB	LEFT		13	7	7
		THROUGH		34	10	10
		RIGHT		5	3	3
	WB	LEFT			0	0
		THROUGH	34		20	20
		RIGHT			0	0
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT	1		1	1
	SB	LEFT	4		2	2
		THROUGH			0	0
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH	40		26	26
		RIGHT			0	0
	WB	LEFT		1	1	1
		THROUGH		44	25	25
		RIGHT		3	2	2
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	SB	LEFT		52	29	29
		THROUGH			0	0
		RIGHT		48	27	27
	EB	LEFT	51		31	31
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT	40		20	20
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT			0	0
		THROUGH		13	7	7
		RIGHT			0	0
	SB	LEFT			0	0
		THROUGH	10		6	6
		RIGHT			0	0
	EB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0
	WB	LEFT			0	0
		THROUGH			0	0
		RIGHT			0	0

# RMS Engineering

SAT PEAK HOUR - ORIGINAL  
 Project Name: Housing Help  
 RMS Project No. 2003-080

LOCATION	DIR	MVMT	SUBTOTAL NO BUILD VOLUME	TRAFFIC GENERATED BY PROPOSED PROJECT	TOTAL BUILD VOLUME
PULASKI ROAD (CR 11) AT ELWOOD ROAD (CR 10)  1	NB	LEFT	121	3	124
		THROUGH	604	0	604
		RIGHT	101	0	101
	SB	LEFT	124	0	124
		THROUGH	598	0	598
		RIGHT	153	6	159
	EB	LEFT	192	7	199
		THROUGH	442	19	461
		RIGHT	117	3	120
	WB	LEFT	101	0	101
		THROUGH	353	20	373
		RIGHT	70	0	70
PULASKI ROAD (CR 11) AT STONY HOLLOW ROAD  2	NB	LEFT	16	0	16
		THROUGH	52	0	52
		RIGHT	27	1	28
	SB	LEFT	57	2	59
		THROUGH	68	0	68
		RIGHT	36	0	36
	EB	LEFT	42	0	42
		THROUGH	629	28	657
		RIGHT	7	0	7
	WB	LEFT	9	1	10
		THROUGH	529	25	554
		RIGHT	56	2	58
PULASKI ROAD (CR 11) AT SITE ENTRANCE  3	NB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0
	SB	LEFT	0	29	29
		THROUGH	0	0	0
		RIGHT	0	27	27
	EB	LEFT	0	31	31
		THROUGH	712	0	712
		RIGHT	0	0	0
WB	LEFT	0	0	0	
	THROUGH	593	0	593	
	RIGHT	0	29	29	
ELWOOD ROAD (CR10) AT SCHOOL SOUTH DRIVEWAY  4	NB	LEFT	115	0	115
		THROUGH	808	7	815
		RIGHT	0	0	0
	SB	LEFT	0	0	0
		THROUGH	733	6	739
		RIGHT	84	0	84
	EB	LEFT	85	0	85
		THROUGH	0	0	0
		RIGHT	131	0	131
	WB	LEFT	0	0	0
		THROUGH	0	0	0
		RIGHT	0	0	0



**APPENDIX F**

TOWN OF HUNTINGTON  
DEPARTMENT of PLANNING  
& ENVIRONMENT  
Memorandum

Page 1 of 2

Date: May 12, 2005

To: Ken Fine, Planner  
From: Richard J. Nielsen, Assistant Civil Engineer  
Re: Matinecock Court – Engineering Review

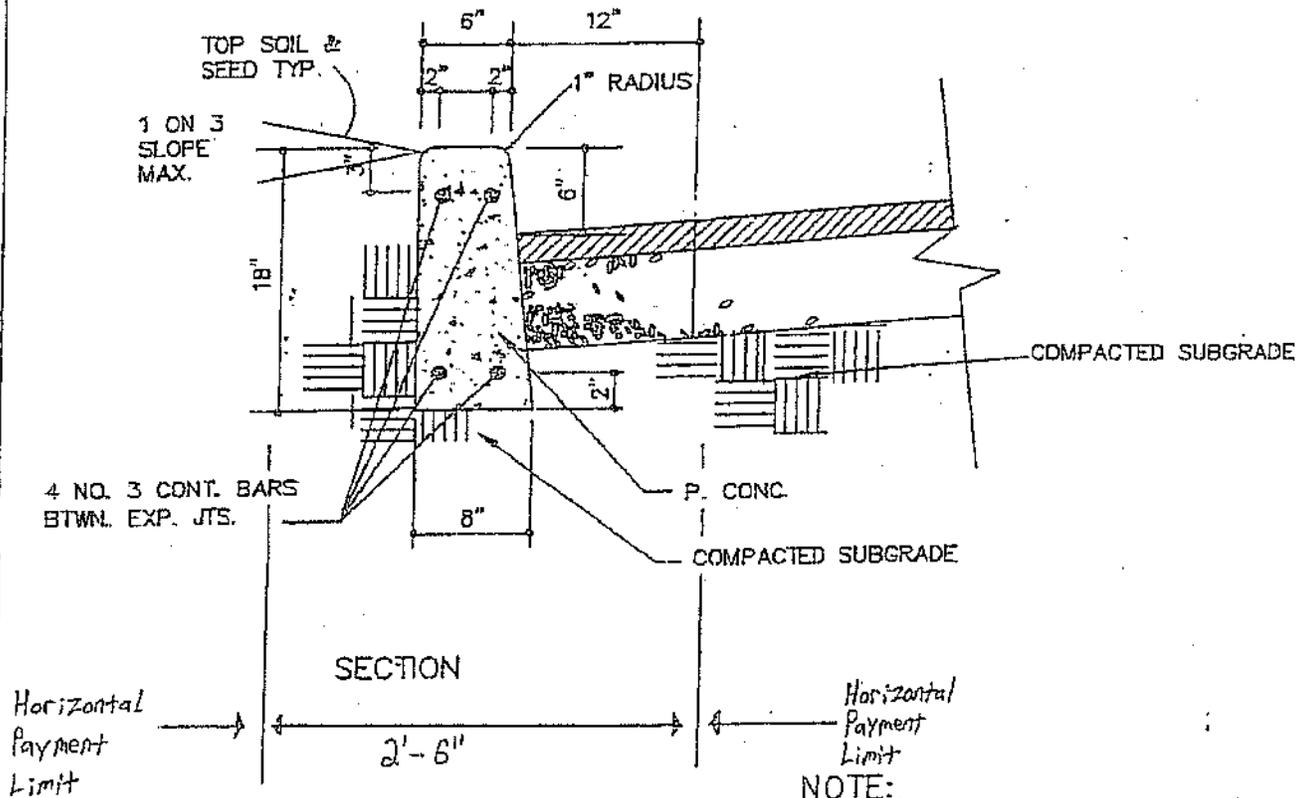


A review of the plans received March 28, 2005 reveals that the following shall be addressed

- 1.) All revision dates shall be removed since the application was received on March 28, 2005.
- 2.) Sanitary Sewer profiles shall not be resubmitted. The Town is not the review agency.
- 3.) A drainage area map in agreement with 2 of 2 of the pipe calculations shall be provided for all inlet sheds.
- 4.) The plan shall note and utilize the correct datum.
- 5.) An erosion control plan and detail sheet shall be submitted locating all measures. See New York State Erosion Control Guidelines and details.
- 6.) The on-site curbing shall be as per the attached detail, which shall be added to the plans.
- 7.) For construction purposes cross-section details of the various parking stall and roadway widths shall be provided to include slopes, curb reveal, crown height, dimensions, sidewalk widths, and pavement specifications in compliance with attached Addendum #15.
- 8.) The Grading and Drainage Plan shall locate all down spouts and the pipe systems that connect to the pipe that connects to the drainage system.
- 9.) The roadway to the recharge basin is unacceptable due to the radii and conflicts with the handicap ramp. Its width and pavement specification are not provided.
- 10.) The rim elevation of various structures in the plan do not agree with the structure schedule.
- 11.) The concrete walk detail shall indicate if it is onsite or offsite and it may comply with the Town of Huntington subdivision regulations detail.
- 12.) The Stabilized Construction Entrance detail shall be dimensioned as 75' long in the plan, profile and notes. Its location shall be shown on the plan. The note under the title shall be removed.
- 13.) The drainage shall be designed in compliance with A-101.1 and A 101.2 of the subdivision regulations. Storage shall be for the required 9", the "i" shall be 40% for R-3M and the recharge basin storage capacity shall be  $8200\text{c.f./contributing acre}$ . It appears that the required volume shall be  $14.574\text{ac.} \times 8200\text{c.f./ac.} \times 1.5 = 179,260\text{c.f.}$  The time of concentration may be determined from the attached. According to our calculations, by the prismoidal formula, the capacity of the recharge basin is 116,800c.f.
- 14.) The recharge basin shall have the required 1.5' berm, 16' gate, fencing located as per E-100.7 of the subdivision regulations, planting, a 12' driveway and all other required items. Sheet 15 shall be revised accordingly. Section A-A on sheet 15 shall be revised accordingly and the fence shall include the barbed wire strands.
- 15.) Proposed drainage pipe shall be RCP. Substitution may be requested before construction.
- 16.) The plan shall show all drainage pipe lengths.
- 17.) The drainage pipe calculations and drainage plan shall agree in pipe lengths, slopes, size, etc. The lengths shall be properly scaled.

May 12, 2005

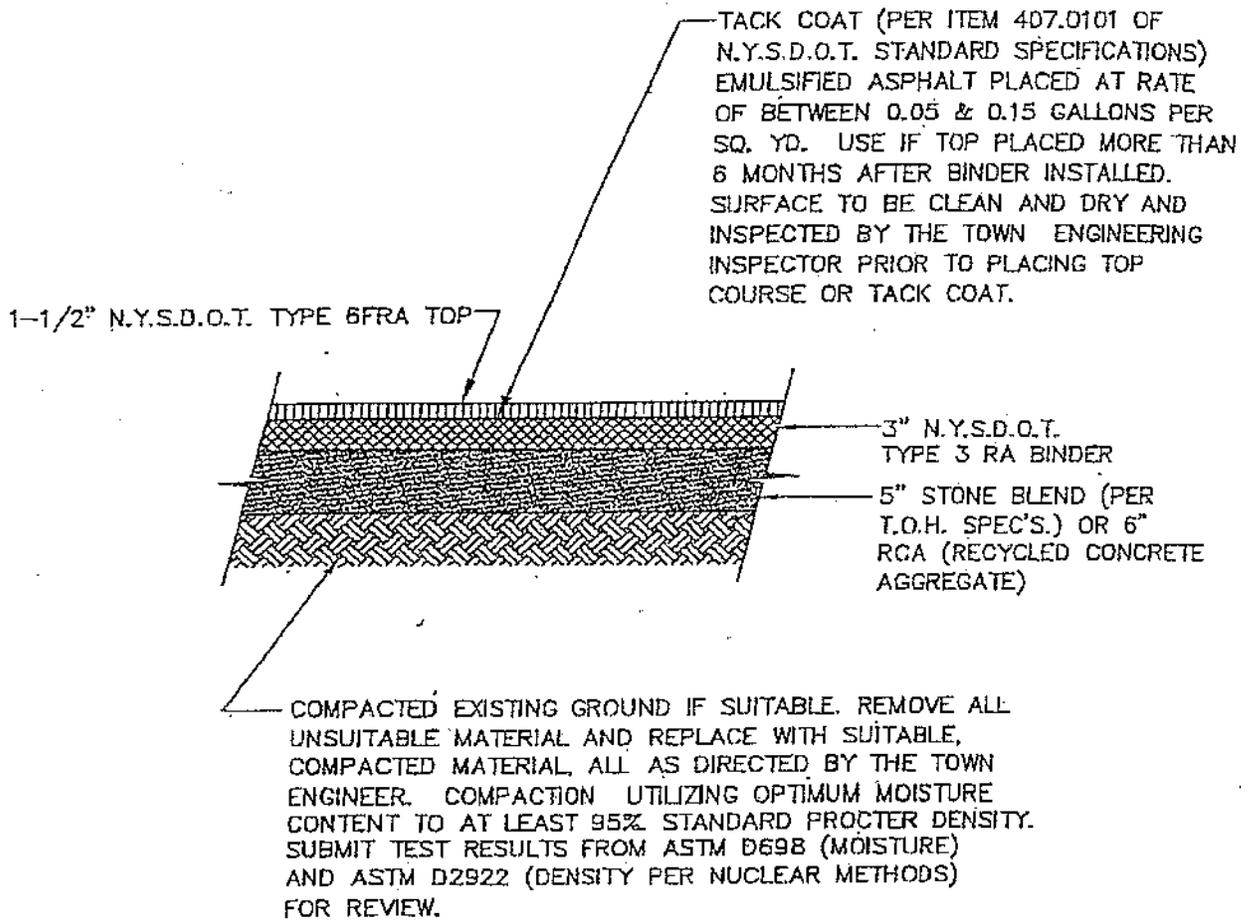
- 18.) The entrance shall be detailed at 20' scale and include revised grading and include drainage.
- 19.) Suffolk County DPW review and approval is required
- 20.) All inlets/ grates and the elevations shall be on the Grading Plan.
- 21.) The Grading Plan shall contain flow arrows for lawn and pavement swales. Pavement shall be at .5% minimum and lawn swales shall be at 1%. Swale elevations and slopes below the design criteria shall be revised to prevent standing water. The exterior grade shall be shown at the four building corners and be the required 8" below the slab elevation. All grading shall be away from the dwellings into swales, inlets, etc. Several areas require the lowering of rim elevations and swales. Various proposed contours require review.
- 22.) A performance bond will be established prior the signing of the plans by the Director of Planning.
- 23.) Data/elevations, notes are shown on several plans on top of lines, other elevations, etc. and are illegible.
- 24.) The catch basin detail shall not indicate Superintendent of Highways.
- 25.) The catch basin detail dimensions shall be reviewed.
- 26.) The Town of Huntington requires reticuline bicycle grates See attached town detail.
- 27.) Handicap parking, access ways and ramps shall be shown, detailed, dimensioned, and noted to be in compliance with the New York State Uniform Building Code and ICC/ANSI A 117.1.
- 28.) Sheet 4 indicates 4 drainage areas. The plan does not
- 29.) The road profile shall indicate the station of both the low point and high point.
- 30.) The Landscape Plan shows trees planted within handicap ramps and directly above water and drainage pipes.
- 31.) The plans have several designs for handicap ramps. The ramps and flared sides shall be drawn to scale on all plans. They shall be detailed and noted to be in compliance with New York State Fire Prevention and Uniform Building Code and ICC/ANSI - A117.1. The handicap ramps at corners shall be reviewed for compliance and proximity to parked vehicles. Several ramps are not shown on the Layout Plan. Ramps are provided for landscaped areas that have no walks. Numerous ramps appear too close to catch basins.
- 32.) It appears the Note 2. on sheet 2 shall comply with SCDPW and indicate SCDPW.
- 33.) It appears that easements and or dedications are required for the Suffolk County Roads for curb, sidewalks, bus shelters, .
- 34.) Note 4. on sheet 2 shall not indicate the town.
- 35.) Note 7. on sheet 2 shall indicate the governing body, which is not the town.
- 36.) All basement elevations shall be shown.
- 37.) The architectural plans indicate that all buildings will have all units at the same first floor elevation. All architectural plans shall indicate the scale.
- 38.) The dumpster locations shall appear on all plans
- 39.) Sheet 5 shows SMH 24 in conflict with curb, SMH 28 too close to the water, water mains too close to dwellings, water mains in the same trench as the sanitary at the treatment plant



**NOTE:**

1. CONCRETE SHALL BE 4000 PSI. @ 28 DAYS AND SHALL BE AIR ENTRAINED.
2. EXPANSION JOINTS SHALL BE 1/2" RIGID BITUM. MATERIAL & SHALL BE PLACED AT INTERVALS NOT GREATER THAN 12' 0" O.C.

TOWN OF HUNTINGTON HUNTINGTON N.Y.	SCALE NONE	DATE 9-2-03	TYPICAL CONCRETE CURB DETAIL Item 610	Page SD-1A
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## TYPICAL PAVEMENT SECTION

FOR ZONE DISTRICTS R-5 THROUGH R-80, R-3M AND R-RM AND INDUSTRIAL ZONE DISTRICTS. (ADJOINING EXISTING TOWN MAINTAINED ROADS THAT REQUIRE WIDENING AS A RESULT OF SUBDIVISION AND/OR SITE PLAN APPLICATION SHALL ALSO COMPLY.)

Note:

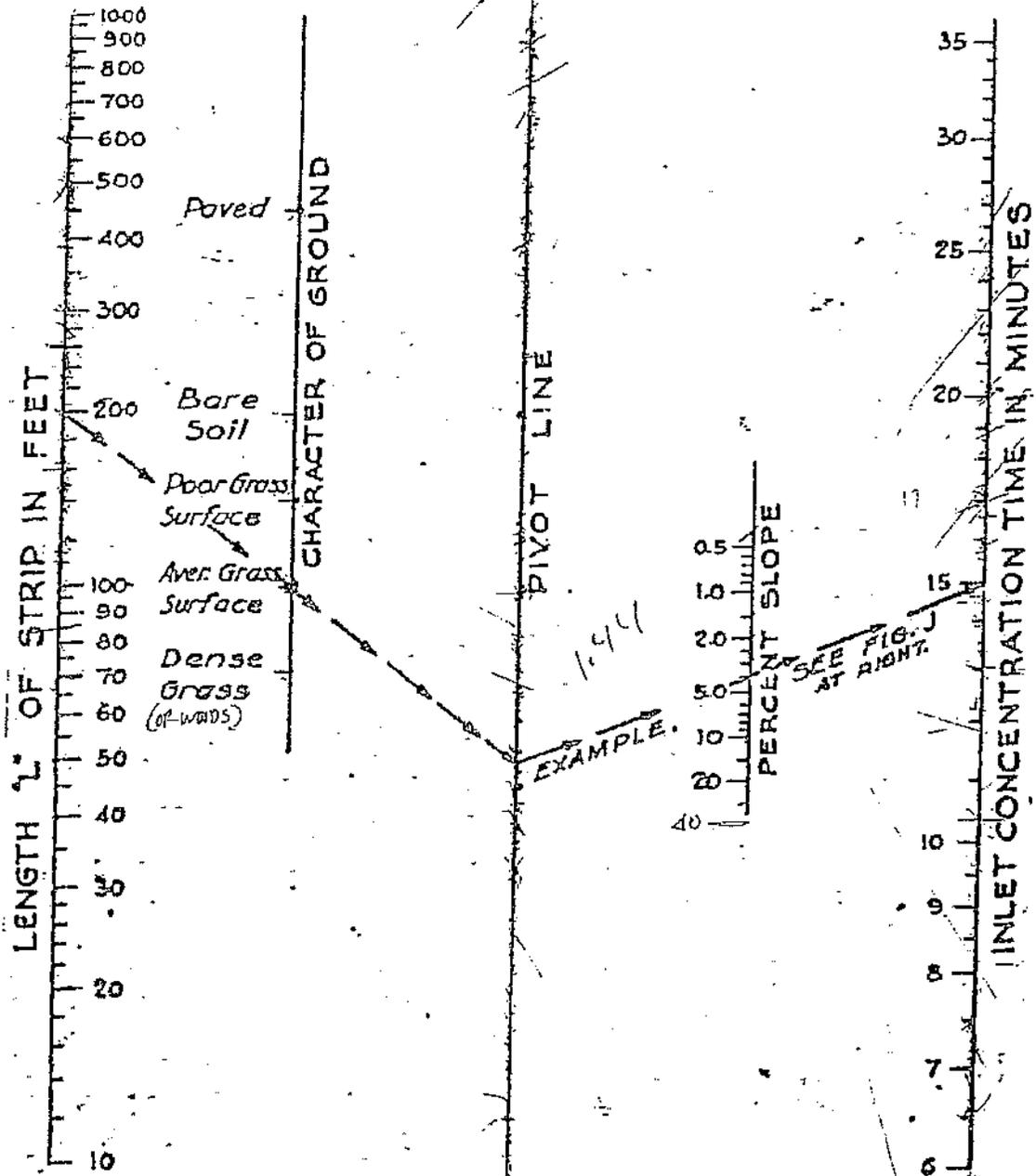
This supersedes all pavement specifications for subdivisions in the Huntington Town Planning Board Subdivision Regulations Site Improvement Specifications.

## **ADDENDUM #15**

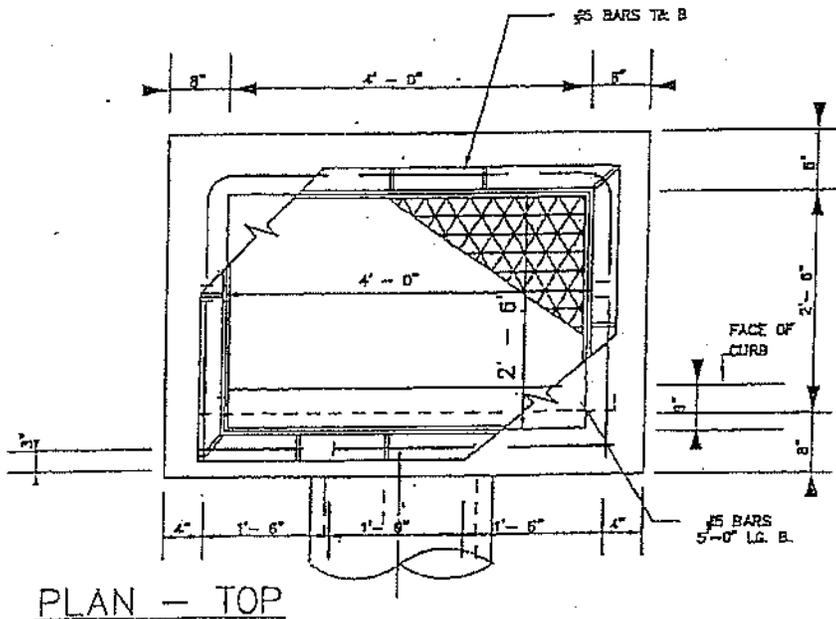
### **TYPICAL PAVEMENT SECTION DETAIL**

OF THE HUNTINGTON TOWN PLANNING BOARD SUBDIVISION REGULATIONS  
SITE IMPROVEMENT SPECIFICATIONS

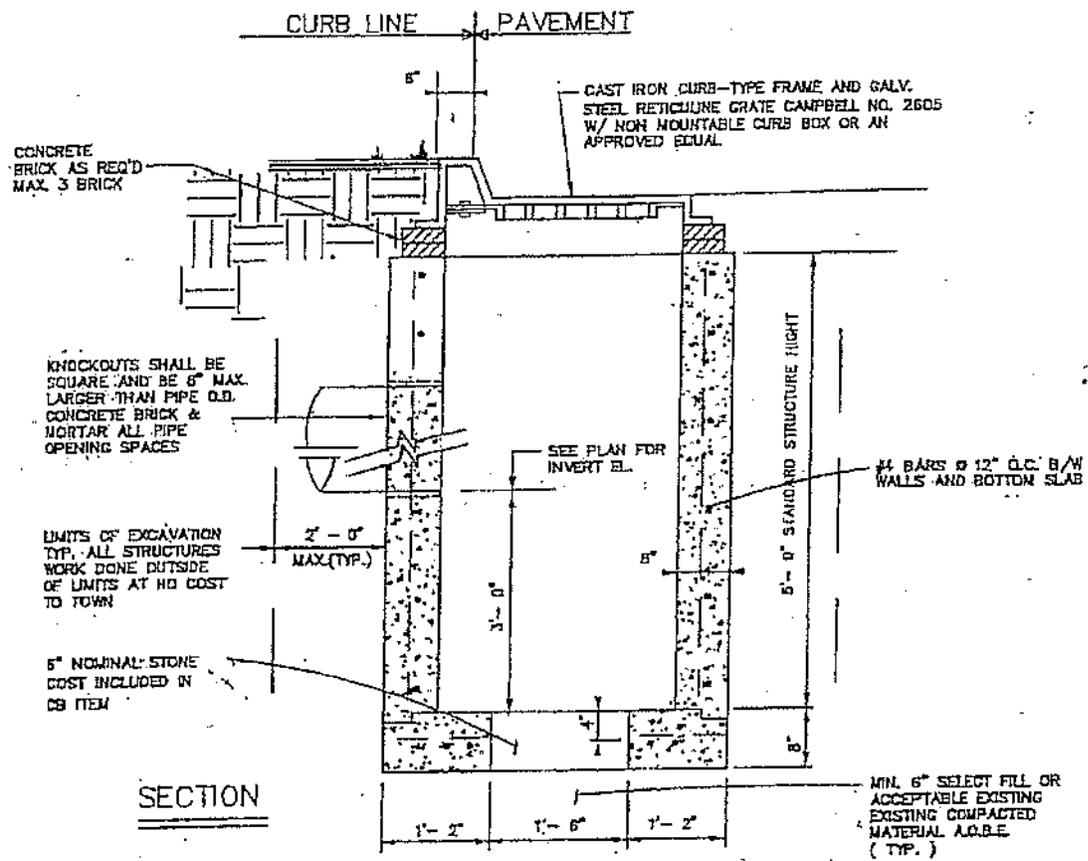
TOWN OF HUNTINGTON, HUNTINGTON, N.Y.	SCALE: NONE	DATE: JUNE 2002
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# OVERLAND FLOW TIME.



PLAN - TOP

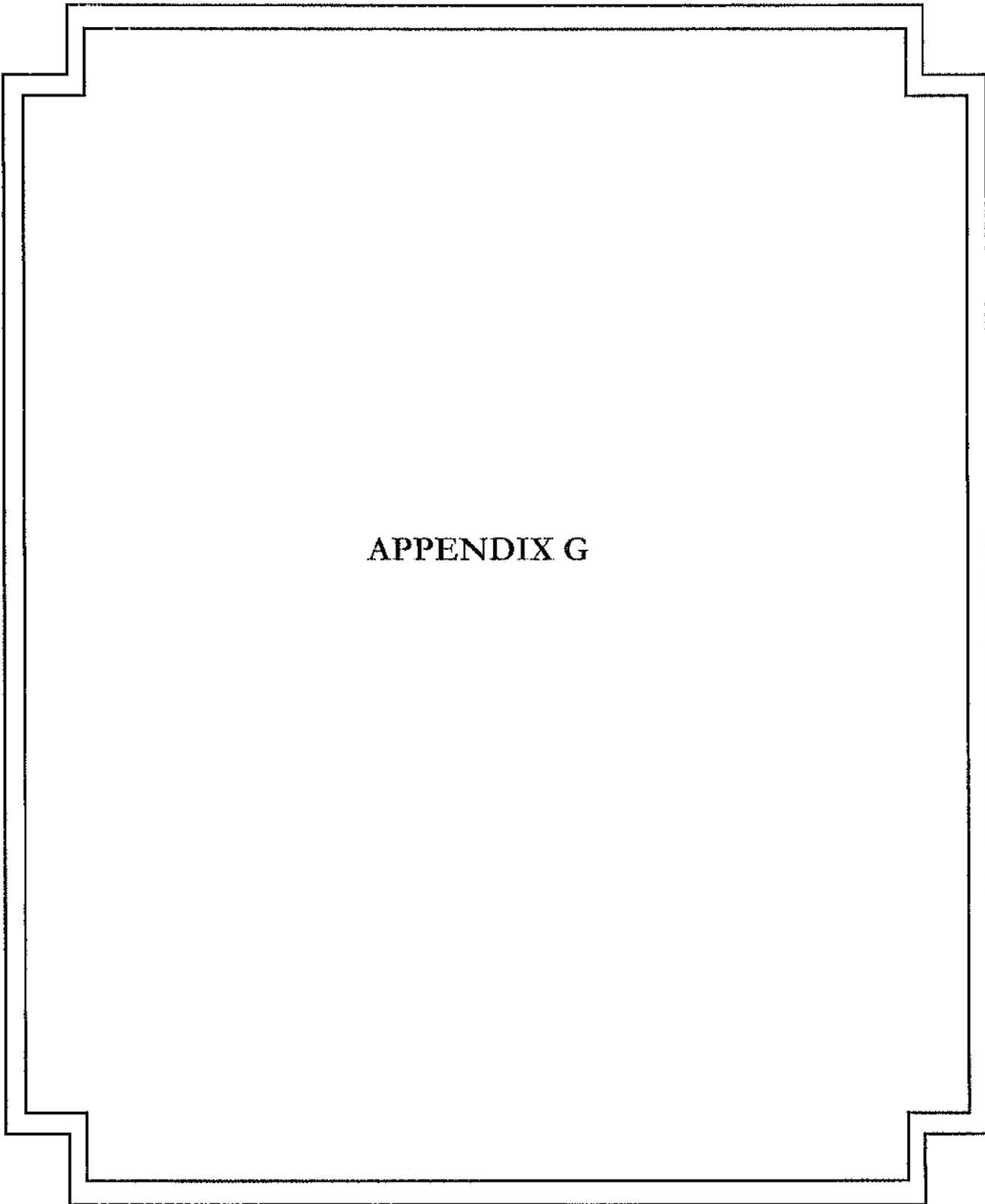


SECTION

TYPICAL 2' - 6" x 4' - 0" CATCH BASIN DETAIL

ITEM 601-A - 426 50

TOWN OF HUNTINGTON HUNTINGTON N.Y.	SCALE NONE	DATE 1-30-00	TYPICAL 2'-6" x 4'-0" CATCH BASIN DETAIL	DWG. NO. SD-14
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**APPENDIX G**

**MATINECOCK COURT  
GREENLAWN, NEW YORK**

**SEWAGE TREATMENT PLANT  
ENGINEERING REPORT**

**PREPARED FOR  
HOUSING HELP INC.**

**SCDHS REFERENCE NO. C04-04-0035  
SCDPW REFERENCE NO. HU-1398**

**Michael P. Chiarelli Engineer, P.C.**

1954 New York Avenue  
Huntington Station, New York 11746-2906  
Tel: (631) 673-3808 Fax: (631) 673-3842

**MAY 2004  
(REVISED JULY 2006)**

**MATINECOCK COURT  
GREENLAWN, NEW YORK**

**SEWAGE TREATMENT PLANT  
ENGINEERING REPORT**

**PREPARED FOR  
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Huntington Station, New York 11746-2906  
Tel: (631) 673-3808 Fax: (631) 673-3842

**MAY 2004  
(REVISED JULY 2006)**



## **FORWARD**

This Engineering report has been prepared in compliance with the requirements of *Appendix B - Standards for Approval and Construction of Sewage Collection Systems and Treatment Works* (issued by Suffolk County Department of Health Services (SCDHS)) and in general follows the outline of Chapter 10 of the *Recommended Standards for Wastewater Facilities* (Ten State Standards)

This Engineering Report has been prepared to address the design for the Sewage Treatment Plant (STP) serving the Matinecock Court residential development

## TABLE OF CONTENTS

<u>SECTION</u>		<u>PAGE NO.</u>
	FORWARD	
I	GENERAL INFORMATION	3
II	INTRODUCTION	4
III	PROPOSED STP CAPACITY	6
IV	INFLUENT SEWAGE CHARACTERISTICS	7
V	EFFLUENT REQUIREMENTS	8
VI	TREATMENT OPTIONS	9
VII	TREATMENT FACILITY DESIGN	13

### APPENDICES

- APPENDIX A - Manufacturer's Process Calculations
- APPENDIX B - Sampling Locations
- APPENDIX C - Hydrogeological Report
- APPENDIX D - Pump Performance Curves

### DRAWINGS

- DRAWING NO 1 - SANITARY SITE PLAN
- DRAWING NO 2 - HYDRAULIC PROFILE
- DRAWING NO 3 - FLOOR PLAN

(All Drawings are located at the end of this document )

**SECTION I**

**GENERAL INFORMATION**

**Project Name:** Matinecock Court

**Applicant:** Housing Help Inc

**Project Description:** The applicant proposes to construct a housing facility consisting of 77 condominiums, 78 apartments and a community center

**Project Location:** The development will be located in the Greenlawn, Town of Huntington The site area for the project is 14 574 acres Refer to Drawing 1- Sanitary Site Plan

**Consulting Engineer:** Michael P Chiarelli Engineer, P C  
1954 New York Avenue  
Huntington Station, N Y 11746-2906  
Tel : (631) 673 – 3808  
Fax. (631) 673 – 3842

**SECTION II**  
**INTRODUCTION**

**General**

This Engineering Report has been prepared for the Matinecock Court residential development. The project site is located northwest of the intersection of Pulaski Road and Elwood Road, in the Greenlawn, Town of Huntington, New York. The development will consist of 77 condominiums, 78 apartments and a community center.

The project site is a 14.574-acre parcel located in SCDHS designated groundwater management Zone I. In this zone, the maximum allowable sewage flow is 600 gallons per acre per day without an STP. The projected 37,500 gallons per day (gpd) design flow on a 14.574-acre parcel exceeds the 8,744 gpd (14.574 x 600) limit, therefore, formal sewage treatment including nitrogen removal will be required.

**Project Site**

The project site is zoned R-3M Multi Family.

The topography of the site can be characterized as gently sloping from the property line towards the center of the property. The STP will be located on the northwestern portion of the property as shown on the Sanitary Site Plan.

The location of the proposed STP does not meet all the SCDHS regulations for separation distance for an enclosed STP. An application has been made to the SCDHS Board of Review for a variance from the separation distance requirements.

There is one Suffolk County Water Authority (SCWA) public water supply well within 1,500 ft of the project site. The nearest public water supply well is the Laurel Hill Road well field and pump station located 1,200 ft ± northwest of the project site.

The groundwater flow direction in the area is generally to the north based on Water Contour Maps, SCDHS, 1999. Groundwater elevation in the vicinity is 50 ± feet above MSL.

SCWA Public water mains serve the area. One (1) 12" water main is adjacent to the site on Elwood Road.

A hydrogeological consultant, Camp, Dresser and McKee (CDM) was engaged to examine the impact of a recharge of 37,500 gpd of treated effluent on the Laurel Hill Road well field and pump station. Using computer models of the ground water flow in the area it was determined by CDM that the proposed location of the effluent recharge field in the northwest portion of the property is outside of the well field's contributing area and therefore will have minimal impact on the Laurel Hill well field and pump station. CDM's report is attached to this report as Appendix C.

**SECTION III**  
**PROPOSED STP CAPACITY**

**Sanitary Sewage Flow**

The average daily design flow is the average of the daily volumes of sewage to be received at the STP for a continuous twelve (12) month period. The average daily design flow for the proposed STP is derived as follows:

**A. Proposed Development**

1	Four (4) condominiums (larger than 1,200 sq ft ) @ 300 gpd/unit	=	1,200 gpd
2	Seventy three (73) condominiums (600 -1,200 sq ft ) @ 225 gpd/unit	=	16,425 gpd
3	Four (4) apartments (larger than 1,200 sq ft ) @ 300 gpd/unit	=	1,200 gpd
4	Seventy four (74) apartments (600 – 1,200 sq ft ) @ 225 gpd/unit	=	16,650 gpd
5	5,164 sq ft Community Center @ 0.3 gpd/sq ft	=	1,550 gpd
	Total Projected Sewage Flow	=	37,025 gpd
	Sewage Treatment Plant Size	=	37,500 gpd

The basis of design for the proposed STP is 37,500-gpd and all calculations in this report represent a STP of 37,500 gpd capacity.

**Peak Sanitary Flow**

In accordance with "Figure 1" of the Ten State Standards, the peak hourly flow for a population of approximately 500 (37,500 gpd ÷ 75 gpd per person) is 4.0. Peak hourly flow is therefore calculated to be 37,500 gpd x 4 = 150,000 gpd (104 gpm).

**SECTION IV**  
**INFLUENT SEWAGE CHARACTERISTICS**

The influent raw sewage characteristics used for the purpose of designing the proposed upgrade are as follows and are as required by SCDHS:

BOD <sub>5</sub> :	272 mg/l
SS.	320 mg/l
TKN:	65 mg/l
Alkalinity.	200 mg/l

Based on the above influent sewage characteristics and influent flow of 37,500 gallons per day, the influent loads are expected to be as follows.

Lbs of pollutants = mg/l pollutant x 8.34 lb /gal x flow in MGD

$$\begin{aligned} \text{BOD}_5: & 272 \text{ mg/l} \times 8.34 \text{ lb /gal} \times 37,500 \text{ gpd} \times 10^{-6} = 85.07 \text{ lb BOD}_5/\text{day} \\ \text{SS.} & 320 \text{ mg/l} \times 8.34 \text{ lb /gal} \times 37,500 \text{ gpd} \times 10^{-6} = 100.08 \text{ lb S S /day} \\ \text{TKN:} & 65 \text{ mg/l} \times 8.34 \text{ lb /gal} \times 37,500 \text{ gpd} \times 10^{-6} = 20.33 \text{ lb TKN/day} \\ \text{ALK.} & 200 \text{ mg/l} \times 8.34 \text{ lb /gal} \times 37,500 \text{ gpd} \times 10^{-6} = 62.55 \text{ lb Alk /day} \end{aligned}$$

**SECTION V**  
**EFFLUENT REQUIREMENTS**

The treated effluent from the proposed STP will be recharged to the ground via leaching pools. Consequently, we expect the State Pollutant Discharge Elimination System (SPDES) permit will require a daily maximum total nitrogen concentration of 10 mg/l as the limiting value and a pH limit of 5.5 to 8.5 SU. The 30-day arithmetic average flow limit will be the design flow of 37,500 gpd.

Based on the selected treatment process, the following effluent quality is anticipated:

BOD <sub>5</sub>	< 10 mg/l
TSS	< 10 mg/l
Total N	< 10 mg/l
NH <sub>3</sub> -N	< 2 mg/L
pH	5.5 to 8.5 SU

The effluent quality from the proposed STP is expected to meet the effluent requirements of SPDES permit.

**SECTION VI**  
**TREATMENT OPTIONS**

Based on density restrictions, formal sewage treatment for the nitrogen removal must be provided for the proposed project. Generally, two options are available:

- Off-Site Treatment and
- On-Site Treatment

**A. Off-Site Treatment**

Off-site treatment requires that there be an existing STP which.

- is sufficiently close to the project site to allow for economical transfer of sanitary sewage flow from the project site to the STP site;
- has sufficient uncommitted excess capacity for the expected, proposed and future sanitary sewage flow; and
- is capable of treating the sewage to the required effluent quality

In addition to above requirements, there must be a willingness of the owner of host STP to enter into an agreement with the proposed project owner to accept and treat sewage generated by proposed project at host STP

The following two (2) STPs were investigated for the possibility of receiving sanitary flows generated at the Matinecock Court residential development

No	Name	Permitted Flow	Distance to Project Site	SPDES Permit No
1	Paumanack Village STP	42,700 GPD	5,250 Ft ±	NY 0137065
2	Northport Veteran Hospital STP	340,000 GPD	10,000 Ft ±	NY 0024881

Review of the Paumanack Village indicates that it does not have enough capacity to receive an additional 37,500 -gpd flow. Analysis of delivering sewage flow to Northport Veterans Hospital STP indicates that it is not economically viable because of the length of a force main and the cost of crossing of rail road tracks. Therefore, the off-site treatment option is not an option.

## **B. On-Site Treatment**

An STP may be constructed on-site. Many treatment plants have been constructed in Suffolk County using the extended aeration process followed by a deep bed denitrification filter. Some treatment plants use rotating biological contactors (RBCs) followed by a deep bed denitrification filter. Other STPs use Sequencing Batch Reactors (SBR).

The Biologically Engineered Single Sludge Treatment (BESST) process was selected for this project because of its process stability, its small footprint and ability to constantly achieve design goals.

## **C. Description of Selected BESST Treatment Process:**

The BESST Process is a continuous flow modified extended aeration process. Sewage enters first into the anoxic chamber where it mixes with return activated sludge (RAS) from the clarifier. The nitrogen removal process is completed here as nitrite ( $\text{NO}_2\text{-N}$ ) and Nitrate ( $\text{NO}_3\text{-N}$ ) produced in the aeration zone are converted to Nitrogen gas ( $\text{N}_2$ ). Some of the influent  $\text{BOD}_5$  is consumed in this denitrification process. The dissolved oxygen (DO) level is maintained below 0.2 mg/l, and submerged mixers keep MLSS in suspension.

The mixed liquor is transferred by gravity from the anoxic chamber to the far end of the aeration chamber through a submerged transfer pipe.  $\text{BOD}_5$  removal and nitrification take place here as the mixed liquor is aerated by fine bubble air diffusers. The aerated mixed liquor then flows into the bottom of the clarifier by means of a uniquely designed baffle.

In the clarifier solids settle to the bottom as the supernatant flows over the overflow weir and is gravity fed to the micro screen drum filter. Unfiltered sludge and backwash waste are returned to the sludge holding tank. Clean filtered effluent is transferred to the effluent chamber before flowing over the effluent weir and exiting the STP, where it flows by gravity to the effluent leaching pools.

**SECTION VII**  
**TREATMENT FACILITY DESIGN**

Drawing No 1 – SANITARY SITE PLAN, illustrates the proposed site development and the location of the sewage treatment and disposal facilities. Drawing No 2 – HYDRAULIC PROFILE illustrates the sewage treatment hydraulic profile. Drawing No 3 – FLOOR PLAN illustrates the STP floor plan.

The BESST process is a continuous flow process. The sewage treatment and disposal facilities will include a control system, an influent pump station, a fine screen, an equalization tanks, process tanks consisting of aerobic and anoxic compartments, an up flow sludge blanket filtration (USBF) clarifier, a micro screen drum filter, sludge storage tanks and sub surface effluent recharge pools. Each of these and the support systems are described below.

**Influent Pump Station**

The influent pump station will be equipped with two (2) Flygt Model FP 3085 raw sewage submersible cutter pumps. Each pump will pump 124 gpm at 33.3 ft TDH that is in excess of peak hourly flow as required by paragraph 42.38 of the Ten State Standards. The peak hourly flow rate, calculated in the proposed STP capacity section of this report, is 104 gpm for proposed daily average flow of 37,500 gpd. The minimum wet well volume required for this flow is calculated as follows.

$$V = \frac{\theta q}{4}, \text{ where}$$

$$V = \text{Effective Volume}$$

$$\theta = 15 \text{ min (1 start every 15 minutes)}$$

$$q = \text{Pump Capacity, 124 gpm}$$

$$V = \frac{15 (124)}{4} = 465 \text{ gallons (62.17 cu ft)}$$

Provide a minimum volume of 465 gallons (62.17 cu ft) for the wet well. This minimum volume is measured from the both pumps "off" elevation to the lead pump "on" elevation.

The both pumps off elevation will be above the top of the pump.

The pump station will be designed to meet all applicable criteria of Chapter 40 "Wastewater Pumping Stations", of the Ten State Standards including general criteria and the special considerations for submersible pump stations. The station will be an eight-foot inside diameter reinforced concrete structure, with dual hatches at grade for access with a safety climb and "ladder up" post. Ventilation and lighting will be provided as per Suffolk county Department of Public Works (SCDPW) requirements.

### **Screening**

The influent sewage pumps will elevate the sewage to a fine screen which will be mounted above one of the sludge holding tanks. The fine screen will have a capacity to pass 360 gpm of clean water. The screened solids will drop into the sludge holding tank while the fine screen effluent will be conveyed by gravity to the equalization tank. A hot water spray nozzle will be provided for cleaning the screen.

### **Equalization Tank**

The equalization tank will be constructed with two (2) compartments, each with 6'-9" x 12'-0" x 10'-0" effective depth. Total equalization volume will be 12,117 gallons. This volume will be sufficient to hold 20% of average daily flow ( $0.20 \times 37,500 \text{ gpd} = 7,500 \text{ gallons}$ ) plus a consideration for 25% of the sludge holding tanks volume ( $0.25 \times 14,541 \text{ gallons} = 3,635 \text{ gallons}$ ) as return sludge supernatant flow.

The equalization compartments will be equipped with interconnecting piping with a plug valve to allow for operation of both tanks under normal circumstances and isolation of either of the tanks to allow for cleaning and repairs.

Each compartment will be provided with one (1) Flygt Model CP-3085 submersible pump with a capacity of 109 gpm at 23.30 ft TDH to elevate the screened sewage to a constant head box, where the forward flow to the process tanks can be controlled on a 24 hour basis and excess flow returned to the equalization tank

An aeration system will be installed in each compartment. Each system will include diffusers, piping and valves. Minimum air volume required to be supplied to the equalization tanks will be 72 SCFM (2 TANKS X 30 SCFM/L.F. X 12 ft L.)

### **Air Blowers**

Three (3) blowers with minimum capacity of 75 SCFM will be provided. One (1) blower will supply air to the equalization tanks, one (1) blower will supply air to the sludge holding tanks, and one (1) blower will function as a standby unit.

### **Process Tanks**

Two treatment process tanks will be provided. Each tank is comprised of an anoxic compartment and an aerobic compartment which are separated by the clarifier.

**Anoxic Compartment** - The screened sewage enters the anoxic compartment where it mixes with the return activated sludge (RAS) from the bottom of the clarifier by means of air lift pumps. This compartment acts as a selector conditioning zone for the micro organisms which consume the pollutants in the sewage. Some of the influent BOD<sub>5</sub> is consumed by the nitrifying bacteria as they complete the nitrogen removal process (denitrification) and convert nitrate (NO<sub>3</sub>) to nitrogen gas (N<sub>2</sub>). Two submersible mixers supported on guide rails and a manual hoist will be provided to prevent settling. The mixed liquor then flows into the far end of the bottom of the aeration compartment through a submerged transfer pipe.

The volume of each anoxic zone is 10,233 gallons (1,368 cu ft ) With the design flow of 37,500 GPD detention time will be 13 10 hours

**Aeration Compartment** -The mixed liquor is aerated by a fine bubble air diffusion system which also prevents solids settlement The remaining BOD<sub>5</sub> is removed and the nitrification process begins as ammonia (NH<sub>3</sub>) is converted to nitrite (NO<sub>2</sub>) and nitrate (NO<sub>3</sub>) The mixed liquor then flows into the bottom of the clarifier by means of a unique baffle design in the clarifier Returned sludge is recirculated to the anoxic zone by means of Air Lift Pumps

The aeration compartment volume in each tank is 14,711 gallons (1,966 71 cu ft ) With the design flow of 37,500 GPD detention time will be 18 83 hours Combine detention time for anoxic zone and aeration zone will be 31 93 hrs.

### Clarifier

The USBF clarifier has a unique triangular cross-section Mixed liquor enters the clarifier through the unique baffle design at the bottom of the clarifier and flows upward As the mixed liquor rises, heavier solids settle out and, in effect, form a filter which filters out colloids and very fine particles A distinct interface forms between the supernatant and the sludge blanket An air lift pump draws the activated sludge from the bottom of the clarifier and either discharges it to the anoxic chamber or to the sludge storage tank Nitrified RAS is recycled to the anoxic chamber to maintain the biomass concentration required for the treatment process The recycle rate is proposed to be 7 times the design flow rate for the plant (92 gpm per process train) Periodically, waste activated sludge (WAS) is pumped to the sludge storage tanks to control the solids retention time (SRT) of the biomass The design SRT is 29.2 days An air lift skimmer skims floatables such as light plastics, fats and oils from the surface of the clarifier The clarifier supernatant flows over the weir into a trough and into the micro screen drum filter The clarifier volume is 3,600 gallons (481.28 cu ft ) Detention time in the clarifiers at average flow of 37,500

GPD will be 4 60 hrs, Surface loading rate will be 213 GPD/Sq Ft [ $37,500 \text{ GPD} \div (11 \text{ ft L} \times 8 \text{ ft W} \times 2 \text{ clarifiers})$ ] and weir loading rate will be 1,704 50 GPD/Ft [ $37,500 \text{ GPD} \div (11 \text{ ft L weir} \times 2 \text{ clarifiers})$ ]

### **Process Blowers**

- Two (2) blowers with minimum capacity of 110 SCFM will be provided. One (1) blower will supply air for the process needs and one (1) blower will function as a standby unit (refer Appendix A Manufacturer's calculations)
- Two (2) blowers with minimum capacity of 60 SCFM will be provided. One (1) blower will supply air for the air lift pumps and one (1) blower will function as a standby unit

### **Micro Screen Drum Filter**

The micro screen drum filter consists of a high pressure backwash rinsing system, a micro screen drive mechanism, a 20 micron filter cloth and drum, a solids removal system and an overflow weir. The filter's capacity is 0-120,000 gpd based on an influent load of 30 mg/l TSS. Clarified effluent flows into the interior of the filter. Solids greater than 20 microns are trapped on the filter cloth while the filtered water passes through the filter cloth and into the effluent storage tank. As solids build up on the inner side of the filter cloth, the water level within the filter rises and the level control probe activates the rotating drum and the jet rinse system. As the drum rotates, jet streams of filtered water wash the accumulated solids from the inner side of the filter cloth into the waste trough located in the inner drum, then into the silt sump. A silt pump pumps the accumulated solids from the sump to the sludge holding tanks. The rotating drum returns the filter cloth to the bottom of the filter. The water level drops and the probe switches off the rotating drum.

### **Influent Flow Meter:**

A flow meter (Mag Meter) will be provided on the influent force main to the STP. The instrumentation will provide a visual readout of instantaneous flow, a flow tantalizer and a flow recorder. This instrumentation will be located in a dry location in the treatment plant building.

### Effluent Recharge

The following calculations illustrates the sizing of the effluent recharge system:

- Average Daily Flow - 37,500 gpd
- Loading Rate - 10 gpd/sq. ft
- Required Leaching Area =  $\frac{37,500 \text{ gpd}}{10 \text{ gpd/sq. ft}} = 3,750 \text{ sq. ft}$
- Area of Leaching/Ft Depth of 10' Diameter Pool  
3 1/4 x 10 ft dia x 1 ft depth = 31.4 sq. ft
- Required number of Leaching Pools  
With 16' effective depth =  $\frac{3,750 \text{ sq. ft.}}{31.4 \text{ sq. ft. / ft} \times 16 \text{ ft}}$   
= 7.46 pools

Install 100% of future leaching pools at initial construction

The recharge system will therefore consist of 3 clusters of 5 pools each. Each cluster will consist of one (1) distribution pool and four (4) leaching pools to accommodate present and 100% expansion leaching pools. And an additional 100% expansion area will be provided for future leaching pools as required by SCDPW.

### Sludge Storage

The sludge holding tank sizing is based on an equivalent sewage flow of 75 gpd per capita and 3 cubic feet of sludge per capita per month. For the equivalent population of 500 people (37,500 gpd ÷ 75 gpd/capita), the required tank volume is 1,500 cubic feet. The sludge holding tank will be constructed in two (2) compartments, each with 6'-9" x 12'-0" x 12'-0" effective depth. This will provide 1,944 cu. ft. (14,541 gallons) of sludge storage or approximately 38 days of storage capacity.

Air will be supplied to the sludge holding tank at a rate of 30 cfm per 1000 cu ft of tank volume to keep the contents aerobic to avoid septic odors and maintain the contents of the sludge holding tanks in a completely mixed condition. Consequently, the air supply rate will be as follows.

$$\begin{aligned}\text{CFM} &= 1,944.00 \text{ cu ft} \times 30 \text{ SCFM}/1000 \text{ cu ft} \\ &= 58.32 \text{ SCFM} \\ &\text{SAY } 75 \text{ SCFM}\end{aligned}$$

Sludge and scum removal will be via scavenger truck to an approved off-site treatment facility

### Alkalinity Supplement

Alkalinity is consumed in the nitrification process, and produced in the denitrification process. Alkalinity consumption exceeds alkalinity production; therefore, if sufficient alkalinity is not available in the influent sewage flow, the pH of the sewage will drop during the sewage treatment process and inhibit the nitrification and denitrification processes.

The design value for the raw sewage total nitrogen is 65 mg/l, all assumed to be in the organic and ammonia form, with no nitrite or nitrate. It is assumed that all influent BOD<sub>5</sub> is removed (272 mg/l), utilizing ammonia-nitrogen for cell synthesis at the rate of 1 mg ammonia-nitrogen per 20 mg BOD<sub>5</sub> (a rate of 5%)<sup>1</sup>. The effluent is assumed to contain 3mg/l organic nitrogen, 1 mg/l ammonia nitrogen, plus 6 mg/l nitrate nitrogen, and no nitrite nitrogen.

Conversion from ammonia to nitrate (nitrification) consumes 7.2mg alkalinity (as CaCO<sub>3</sub>) for each mg of ammonia-nitrogen converted.<sup>1</sup> Conversion of nitrate to nitrogen gas (denitrification) produces 3mg alkalinity for each mg of nitrate-nitrogen converted.<sup>1</sup>

Influent nitrogen converted to nitrate is as follows.

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<sup>1</sup> "Phosphorus and Nitrogen Removal from Municipal Wastewater" Soap and Detergent Association Seminar Publication 1991, Page 7 and Page 51

65 mg/l influent N - 5% x 272 mg/l synthesis - 3 mg/l effluent organic N - 1 mg/l  
 effluent ammonia N = 47.40 mg/l as N

Alkalinity consumed in nitrification is.

$$47.40 \text{ mg/l N} \times 7.2 \text{ mg/l alkalinity per mg/l N} = 341.28 \text{ mg/l as CaCO}_3$$

Nitrate converted to nitrogen gas is as follows:

$$47.40 \text{ mg/l NO}_3 - \text{N} - 6 \text{ mg/l NO}_3 - \text{N in effluent} = 41.40 \text{ mg/l as N}$$

Alkalinity produced in denitrification is.

$$41.40 \text{ mg/l N} \times 3 \text{ mg/l alkalinity per mg/l as CaCO}_3 = 124.20 \text{ mg/l as N}$$

As shown above, a net alkalinity consumption of 217.08 mg/l (341.28 mg/l consumed – 124.20 mg/l produced) as CaCO<sub>3</sub> will occur. Assuming it is desired to maintain 50 mg/l alkalinity in the effluent as a buffer, 150 mg/l (200 mg/l influent - 50 mg/l effluent) of alkalinity is available from the raw sewage. Supplemental alkalinity required will be 67.08 mg/l as CaCO<sub>3</sub> (217.08 mg/l net consumption - 150 mg/l available)

67.08 mg/l of alkalinity as CaCO<sub>3</sub> (CaCO<sub>3</sub> has a molecular weight of 100 and a dissociated valence of two) is equivalent to 54 mg/l of alkalinity as NaOH (NaOH has a molecular weight of 40 and a dissociated valence of one):

$$67.08 \text{ mg/l} \times \frac{40}{100} \times \frac{2}{1} = 53.66 \text{ mg/l NaOH, say } 54 \text{ mg/l}$$

The daily sodium hydroxide feed rate is calculated as follows.

$$54 \text{ mg/l NaOH feed rate} \times 0.0375 \text{ MGD} \times 8.34 = 16.89 \text{ lb NaOH/day}$$

$$16.89 \text{ lb /day} \div 25\% \text{ NaOH solution strength} = 67.56 \text{ lb solution/day}$$

$$67.56 \text{ lb solution/day} \div (8.34 \text{ lb /gal} \times 1.278 \text{ spec gravity})$$

$$= 6.34 \text{ gal Solution /day}$$

A sodium hydroxide feeder will be provided, sized to feed the above volume of solution per day. Space will be provided for storage of two (2) 55 gallon drums of sodium hydroxide solution (25%) in the control room area.

### **STP Building**

A masonry structure will be built around the entire STP. It will be designed to blend with the architecture of the development. This structure will provide:

- Security to keep unauthorized personnel out of the process and equipment areas;
- Protection of the treatment process and process equipment from the elements (cold weather, rain, frost);
- A dry, heated area for treatment personnel for operation and maintenance functions, process testing and record-keeping; and
- A means to contain noise from process equipment

The STP building will be heated and ventilated as appropriate for the various process and control areas. Sufficient lighting for safe working conditions will be provided. Safe means of egress will be provided per local codes.

The control area of the STP building will house the blowers, a room for the gas operated standby generator and electrical panels and a laboratory with toilet/washroom facilities. Space will be set aside in the control area for sodium hydroxide storage and feed equipment.

The laboratory will provide space to store instruments and test kits for process monitoring. The instruments and test kits to be provided will include:

- Portable dissolved oxygen meter
- pH meter
- Temperature meter or thermometer
- 1 liter graduated cylinders for settleability tests

- ammonia field test kit
- Nitrite field test kit
- Nitrate field test kit

This area will also provide storage space for tools, spare parts and lubricants, and space for the operator for maintaining logs and various treatment plant records. Spare parts and lubricants will be provided as part of the facility construction. Required logs and records will be discussed in detail in the facility Operation and Maintenance Manual to be prepared by the Engineer of Record during the construction period.

The laboratory will provide comfortable working conditions for process testing and record keeping work, and will be equipped with electric outlets for the laboratory equipment. Lighting will be in accordance with Appendix B of the SCDHS standards for STPs. A laboratory bench, shelving, drawer space, filing space, laboratory sink, etc. will be provided.

Deluge shower and eyewash facilities, safety signs, etc. will be provided for personnel safety in the sodium hydroxide storage and feed area.

### **Miscellaneous Facility Design Features**

**Separation Distances** - Appendix B of the SCDHS Standards for STPs requires 150 ft minimum separation distance between the treatment building and property lines, and 200 ft from structures or setbacks. As illustrated on Drawing No - 1, SANITARY SITE PLAN, the location of the STP will not meet the requirements of property setback distances. Appendix B also requires 25 ft minimum separation distance between the leaching pools/recharge area and property lines or structures; these distances will

be met

Based on a site investigation, there are no surface fresh water bodies, freshwater wetlands or tidal wetlands within 300 feet of the proposed treatment plant site

**Observation** Appendix F of the SCDHS standard provides guidelines for the design and installation of groundwater monitoring wells for STPs. The 1999 SCDHS Water Contour Map indicates that groundwater movement in the project vicinity is generally north. One observation well will be situated up gradient and two wells will be situated down gradient of the effluent leaching pools, to allow for monitoring the impact of the effluent on the groundwater quality. The well design will be in accordance with the requirements of Appendix F. Exact monitoring well locations will be selected during detailed facility design, subject to SCDHS approval.

**Expansion** As illustrated on Drawing No. - 1 SANITARY SITE PLAN, there is sufficient on-site area dedicated for 100% expansion of the STP, the subsurface effluent recharge facilities will consist of 200 % capacity and space for additional 100% expansion area will be dedicated for the proposed development.

**Water** The SCWA will supply water for the proposed development of the site. Water for the STP will be tapped from the service to the site. A reduced pressure backflow preventer will be provided on the water supply into the treatment plant to protect the community water supply from possible contamination.

**Ventilation** - Ventilation will be provided to maintain a dry, comfortable condition inside the building. The number of air changes per hour will be in

accordance with the Ten State Standards where applicable and with good engineering practice for other treatment plant areas

**Color** Process piping will be color coded and identified in accordance with the  
**Coding-** uniform requirements of Appendix B of the SCDHS Standards.

<b><u>SERVICE</u></b>	<b><u>COLOR</u></b>	<b><u>LETTERING</u></b>
Sewage	Gray	S
Sludge	Brown	SL
Air	Green	A
Sodium Hydroxide	Orange	Na
Potable Water	Blue	C W

Other services, if provided, will be color coded and identified as required by Appendix B of the SCDHS standards

**Safety -** The STP will be designed with personnel and equipment safety in mind and in accordance with good practice and Ten State Standards Subchapter 57, "Safety" Handrails and gratings will be provided where needed Equipment will be provided as appropriate for the treatment processes, laboratory testing and plant chemicals

Appropriate warning signs and required motor lockouts will also be included. Equipment and personnel safety will be covered in greater detail in the facility Operation and Maintenance Manual.

**Testing** - The construction design documents will contain provisions for structure, piping and equipment testing in accordance with Appendix B of the SCDHS Standards. This will include structure water tightness testing, piping pressure testing including blow-out of air piping, and operational testing of equipment (including pumps, blowers, controls, alarms).

**Certifications**- Manufacturer certification of successful equipment testing and Engineer of Record certification of installation and testing will be provided in accordance with the provisions of Appendices B and C of the SCDHS Standards.

**Sampling Locations** - Samples are to be taken at the plant influent, clarifier effluent and at the plant effluent after the filter units. A sketch showing the process sample locations is included as Appendix B; the sketch is drawn on SPDES permit page 4 of 9.

APPENDIX A

**MANUFACTURER'S PROCESS CALCULATIONS**

PES PROJECT #060206/JW1  
JOB NAME: MATINECOCK COURT STP  
LONG ISLAND, NEW YORK  
ONE (1) 37,500 GPD BESST SYSTEM

Date: June 2, 2006

## BESST DESIGN CALCULATIONS

1)  $B_x$  Actual Sludge Load [ kg BOD<sub>5</sub>/kg VSS/d ]

$$B_x = B \times 1.02^{(t_{min} - 20)}$$
$$B_x = .120 \times 1.02^{(10 - 20)}$$
$$B_x = 0.098442 \text{ kg BOD}_5/\text{kg VSS}$$

2)  $A$  Sludge Age [ days ]

$$A = ( 1/(YB_x))(1 - 0.5((YB_x)/k_{ac}) + (\text{SQRT}(1 + ((YB_x)/2k_{ac})^2))$$
$$A = ( 1/(.6)(0.098442))(1 - 0.5((.6)(0.098442)/.090) +$$
$$(\text{SQRT}(1 + ((.6)(0.098442)/2(.090))^2))$$
$$A = 29.1936 \text{ days}$$

3)  $k_d$  Actual rate of decay [ d<sup>-1</sup> ]

$$k_d = k_{ac}/(1 + Ak_{ac})$$
$$k_d = .090/(1 + (29.1936)(.090))$$
$$k_d = 0.024811 \text{ d}^{-1}$$

4)  $X$  Sludge Concentration [ kg ss/m<sup>3</sup> ]

$$X = 1000V_x/KI$$
$$X = 1000(.6)/100$$
$$X = 6.0 \text{ kg ss/m}^3$$

BESST Design Calculations con't

5)  $X_v$  Volatile suspended solids concentration [ kg VSS/m<sup>3</sup> ]

$$\begin{aligned}X_v &= X_p \\X_v &= (6.0)(.65) \\X_v &= 3.9 \text{ kg VSS/m}^3\end{aligned}$$

6)  $v$  Actual hydraulic loading [ m/h ]

$$\begin{aligned}v &= \text{lesser of } v_l \text{ or } v_c, \text{ where } v_l = 1.0 \\v_c &= (N_x/X)e^{0.03(t_{min} - 20)} \\v_c &= (6.0/6.0)2.7183^{0.03(10 - 20)} \\v_c &= 0.74082 \\v &= 0.74082\end{aligned}$$

7)  $V_B$  Aeration volume [ m<sup>3</sup> ]

$$\begin{aligned}S_R &= S_T - .966pNL = 0.01 - (.966)(.65)(0.01) = 0.003721 \\V_B &= (Q(S_O - S_R))/X_v B_x \\V_B &= (141.9379(.272 - 0.003721))/(3.9)(0.098442) \\V_B &= 99.18 \text{ m}^3 \\99.18 \text{ m}^3 \times 264.2 \text{ gals./m}^3 &= 26,204 \text{ gallons}\end{aligned}$$

8)  $S_s$  Clarifier surface area [ m<sup>2</sup> ]

$$\begin{aligned}S_s &= ((Q_d)(Q))/24v \\S_s &= (2)(141.9379)/24(0.74082) \\S_s &= 15.97 \text{ m}^2 \\15.97 \text{ m}^2 \times 10.764 \text{ ft}^2/\text{m}^2 &= 171.90 \text{ ft}^2\end{aligned}$$

BESST Design Calculations con't

9)  $V_s$  Clarifier volume [  $m^3$  ]

$$\begin{aligned}V_s &= S_s/SV \\V_s &= 15.97/0.63 \\V_s &= 25.34 m^3 \\25.34 m^3 \times 264.2 \text{ gals./m}^3 &= 6,695 \text{ gallons}\end{aligned}$$

10)  $P_x$  Net mass of volatile suspended solids produced [kg VSS/d ]

$$\begin{aligned}P_x &= (Y/(1 + Ak_d))Q(S_o - S_R) \\P_x &= (.6/(1 + (29.1936)(.024811)))(141.9379)(.272 - 0.003721) \\P_x &= 13.25 \text{ kg VSS/d}\end{aligned}$$

11)  $P_t$  Sludge production [ kg ss/d ]

$$\begin{aligned}P_t &= P_x/p \\P_t &= 13.25/.65 \\P_t &= 20.38 \text{ kg ss/d}\end{aligned}$$

12)  $V_N$  Nitrification Volume [  $m^3$  ]

$$\begin{aligned}V_N &= (Q(N_o - N))/(p_N m_u X_v) \\V_N &= (141.9379(.065 - .002))/(0.06288)(0.60854)(3.9) \\V_N &= 59.92 m^3 \\59.92 m^3 \times 264.2 \text{ gals./m}^3 &= 15,831 \text{ gallons}\end{aligned}$$

13)  $V_D$  Denitrification volume [  $m^3$  ]

$$\begin{aligned}V_D &= (QN_o Y)/(0.75 m_z X_v) \\V_D &= ((141.9379)(.065)(.6))/((0.75)(.025)(3.9)) \\V_D &= 75.70 m^3 \\75.70 m^3 \times 264.2 \text{ gals./m}^3 &= 20,000 \text{ gallons}\end{aligned}$$

BESST Design Calculations con't

14)  $V_A$  Volume of aeration [  $m^3$  ]

$$V_A = \text{larger of } V_{AB} \text{ or } V_{N_i}, \text{ where } V_N = 59.92$$

$$V_{AB} = V_B - V_d((1 + Ak_d)/(2.77(Am_z)))$$
$$= 99.18 - 75.70((1 + (29.1936)(.024811))/$$
$$(2.77(29.1936)(.025)))$$

$$V_{AB} = 34.62 \text{ m}^3$$

$$V_A = 59.92 \text{ m}^3$$

$$59.92 \text{ m}^3 \times 264.2 \text{ gals./m}^3 = 15,831 \text{ gallons}$$

NOTE: Actual aeration zone(s) total volume will be greater due to Suffolk County requirement for minimum eighteen (18) hours detention time.

15)  $V_T$  Total volume of reactor [  $m^3$  ]

$$V_T = V_A + V_D + V_S$$

$$V_T = 59.92 + 75.70 + 25.34$$

$$V_T = 160.96 \text{ m}^3$$

$$160.96 \text{ m}^3 \times 264.2 \text{ gals./m}^3 = 45,526 \text{ gallons}$$

NOTE: Actual total volume of reactor will be greater due to oversized Aeration tank.

16) O<sub>2</sub> Oxygen consumption [ kg O<sub>2</sub>/d ]

$$\begin{aligned}O_2 &= Q((S_O - S_R)/0.68) - 1.42P_X + 4.57Q(N_O - N) \\O_2 &= 141.9379(.272 - 0.003721)/0.68 - 1.42(13.25) + \\&\quad 4.57(141.9379)(.065 - .002) \\O_2 &= 78.05 \text{ kg O}_2/\text{d} \\78.05 \text{ kg O}_2/\text{d} \times 2.2046 \text{ lbs./kg} &= 172.1 \text{ lbs. O}_2/\text{d}\end{aligned}$$

17) Nm Air consumption [ Nm<sup>3</sup>/h ]

$$\begin{aligned}Nm &= O_2(c_s/(c_s - 2))(o_k/(0.024a)) \\Nm &= 78.05(8.1224/(8.1224 - 2))(1.3/0.024(30)) \\Nm &= 186.96 \text{ Nm}^3/\text{h} \\186.96 \text{ Nm}^3/\text{h} \times 35.31 \text{ ft}^3/\text{Nm}^3 &= 6,602 \text{ ft}^3/\text{h} \\6,602 &= 110 \text{ ft}^3/\text{m} \\60\end{aligned}$$

For formulas see Metcalf & Eddy: Wastewater Engineering, and K.R. Imhoff : Taschenbuch der Stadtentwässerung. 28. Auflage, Oldenbourg, München - Wien 1993.

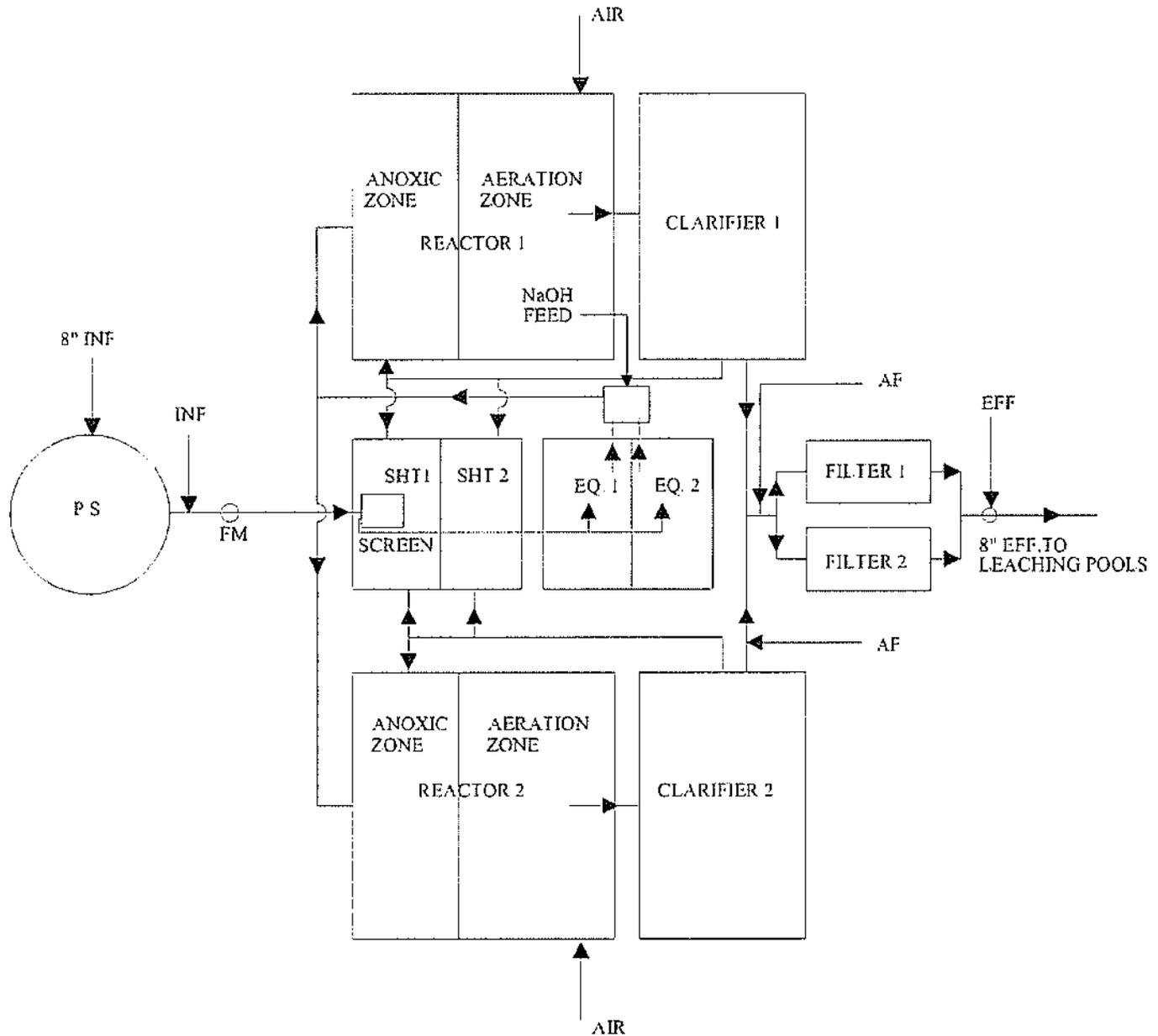
Note: Any mathematical discrepancies are attributed to rounding off. Some variables have been rounded off to shorten the equations.

**APPENDIX B**

**SAMPLING LOCATIONS**

## PROCESS CONTROL MONITORING LOCATIONS

Permittee shall take samples and measurements to meet the monitoring requirements at the locations indicated below.



## PROCESS CONTROL MONITORING LOCATION DESCRIPTION

Influent (INF): Sample taken prior to Reactor

After clarification (AF): Sample taken from Clarifier effluent

Effluent (EFF): Sample taken in Filter effluent chamber

APPENDIX C

**HYDROGEOLOGIST REPORT**



## Memorandum

**To:** *Housing Help, Inc., c/o Ms. Susan R. Lagville*

**From:** *Daniel O'Rourke, Mary Anne Taylor, P.E.*

**Date:** *July 31, 2003*

**Subject:** *Potential Impact of Treated Sanitary Effluent upon Suffolk County Water Authority's Laurel Hill Road Wellfield*

### Introduction

Activities conducted within the area contributing recharge to a public water supply wellfield can have a direct impact on the quality of water withdrawn from the supply wells. The land surface area contributing recharge to a wellfield can be estimated based upon a number of factors, including: well depth, pumping rate, precipitation and recharge rates, aquifer characteristics, water supply pumping at other nearby water supply wells, and hydraulic gradient. This memorandum describes the groundwater flow and contaminant transport modeling conducted to estimate the contributing area for the Suffolk County Water Authority's (SCWA) Laurel Hill Road wellfield in Northport, under projected peak conditions of water supply pumping at the wellfield. The purpose of this project is to determine if the proposed location of a sanitary wastewater effluent recharge area west of Elwood Road and south of the Long Island Rail Road (LIRR) tracks lies within the Laurel Hill Road wellfield's contributing area.

SCWA and the Suffolk County Department of Health Services (SCDHS) have expressed concern that recharging 36,000 gallons per day (gpd) of treated sanitary wastewater effluent at the proposed site may impact water quality at SCWA's Laurel Hill Road wellfield in Northport (Figure 1; Table 1). As the first step in evaluating any potential impacts that the effluent recharge basin could have on the wellfield, the land surface area contributing recharge to the Laurel Hill Road wellfield was estimated, based upon the regional Suffolk County groundwater flow model previously developed in cooperation with SCDHS and SCWA.



Housing Help, Inc.  
Laurel Hill Road Wellfield - Simulation of Potential Impact from Recharge  
Location Map

Figure 1

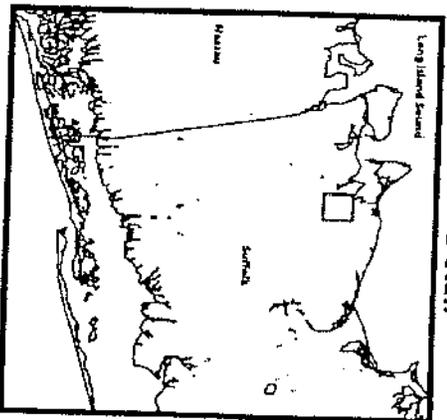
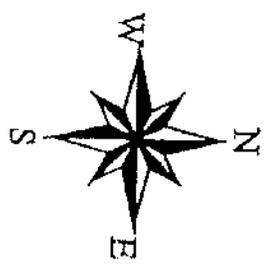
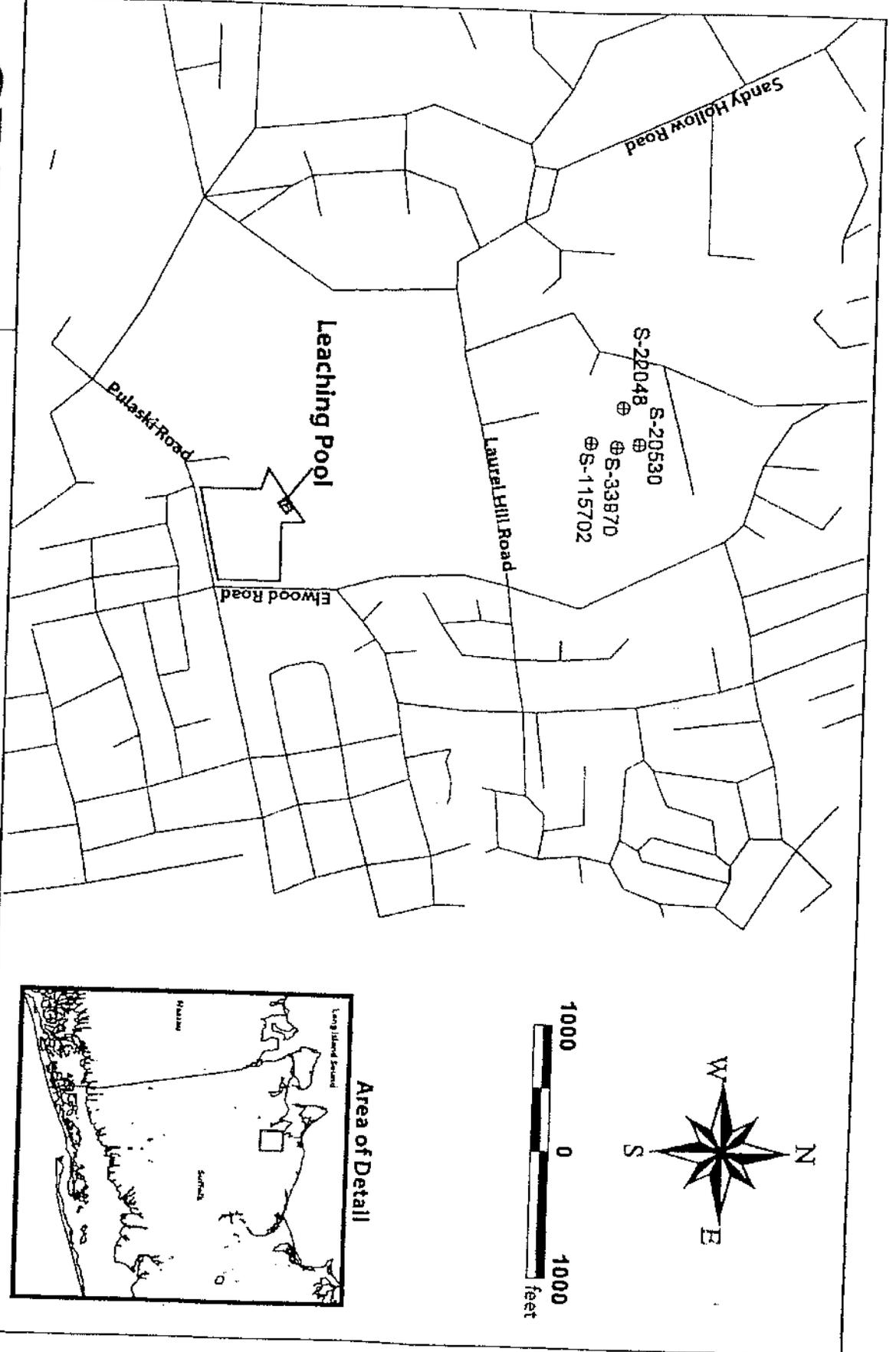


Table 1  
Suffolk County Water Authority's Laurel Hill Road Wellfield - Holbrook

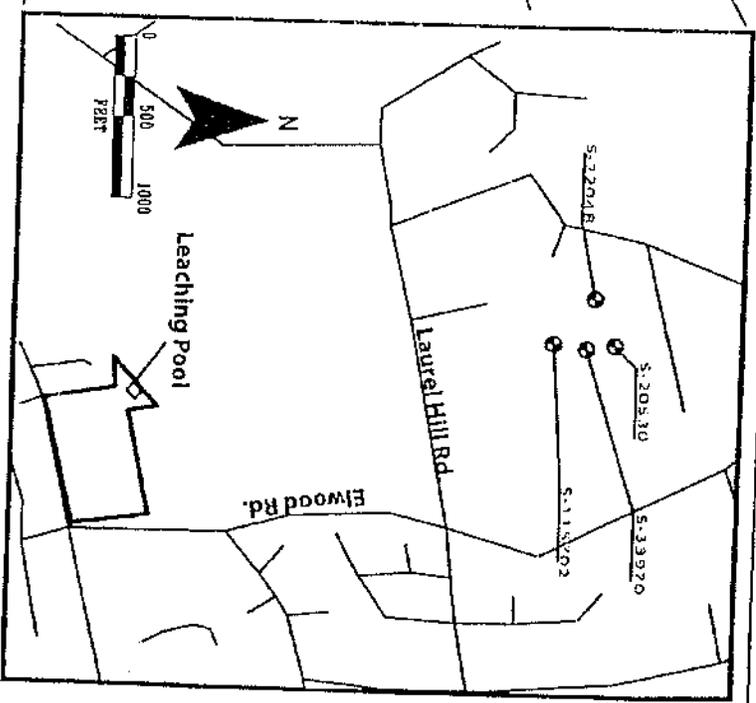
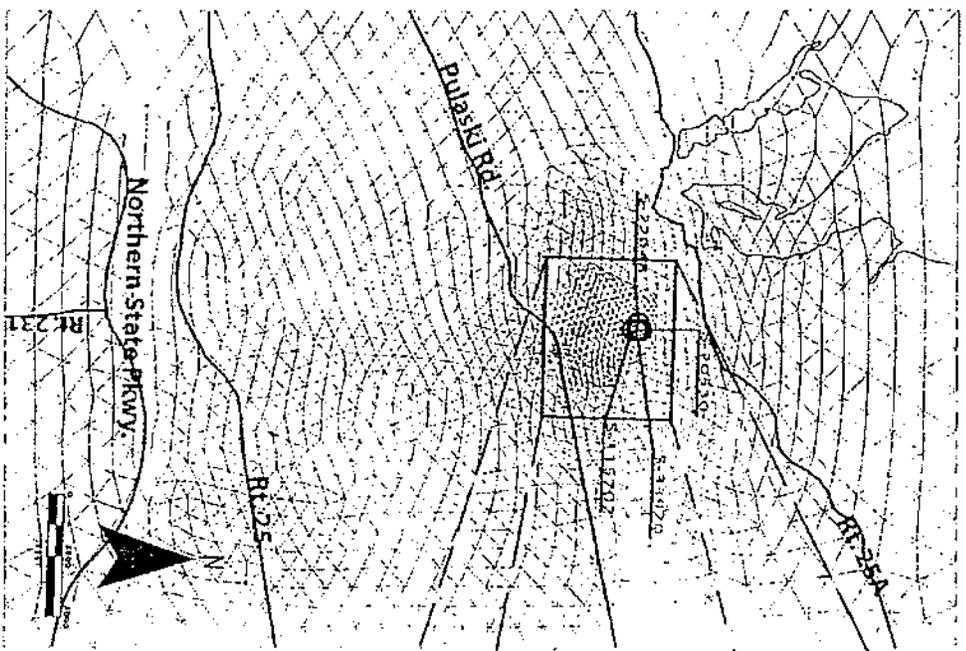
NYSDEC Well Number	SCWA Well Number	Top of Screen (ft, MSL)	Bottom of Screen (ft, MSL)	Capacity (gpm)
S-20530	1	-254.8	-332.5	1200
S-22048	2	-235.6	-314.9	1200
S-33970	3	-230.5	-294.5	1200
S-115702	4	-263.0	-323.0	1300

### Model Development

The existing Suffolk County regional groundwater model has a node spacing of approximately 4,000 feet near the Laurel Hill Road wellfield. In order to estimate the contributing area with greater precision, a subregional model with much finer discretization was developed.

The hydrogeologic framework, hydrogeologic properties, boundary conditions, recharge rates, and water supply rates assigned for the Suffolk County groundwater model have been interpolated onto a subregional grid with much finer discretization (Figure 2). The subregional grid has a total of 1,768 nodes, and spacing between individual nodes ranges from less than 100 feet at the Laurel Hill Road wellfield and proposed recharge area, to approximately 1,300 feet along the perimeter of the grid.

The highly discretized model's continued ability to represent aquifer conditions at the site was checked by comparing model-simulated water levels with water levels observed at monitoring wells within the study area. The model was run under 1994 pumping and recharge conditions and the output was compared to the calibrated Suffolk County regional model (calibrated using 1994 conditions). Water table contours for both the regional and subregional models are shown on Figure 3. As shown on the figure, water table contours calculated using the subregional model are very similar to those calculated using the regional model. Also shown on the figure are several monitoring wells within the study area. The difference between the model simulated water level and the water level measured by SCDHS (March, 1994; SCDHS) is noted on the figure beneath each observation well identification number. Laurel Hill Road well number 4 (S-115702) is not shown on the figure, as it had not yet been installed in 1994.

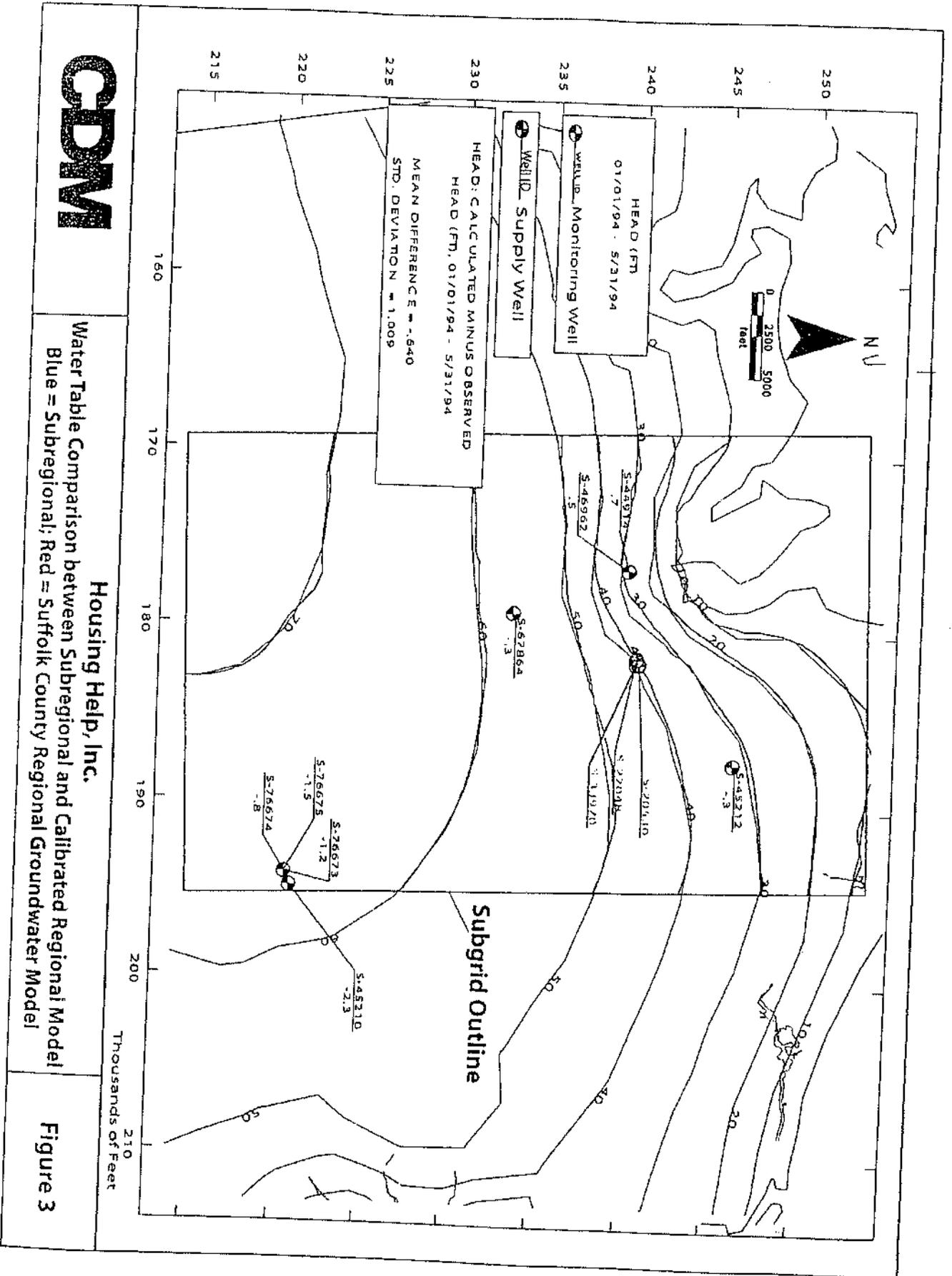


 WELL AND PUMPING WELL



Housing Help, Inc.  
 Laurel Hill Road Wellfield - Simulation of Potential Impact from Recharge  
 Finite Element Grid

Figure 2



**Housing Help, Inc.**  
 Water Table Comparison between Subregional and Calibrated Regional Model  
 Blue = Subregional; Red = Suffolk County Regional Groundwater Model

**Figure 3**

Thousands of Feet

## Area Contributing Recharge to the Laurel Hill Road Wellfield

The subregional model was used to simulate the steady-state flow field using long term average conditions of precipitation and recharge and average annual water supply pumping rates at supply wells nearby to the Laurel Hill Road wellfield. Water supply pumping rates at Laurel Hill Road wellfield were simulated at one half the capacity of each well (Table 2). Recharge to the aquifer was calculated from precipitation measurements recorded at Brookhaven National Laboratory (BNL). In addition to precipitation, approximately 85 percent of the water withdrawn from public supply wells was returned to the aquifer system as recharge from on-site wastewater disposal systems. A northwest-southeast cross-section through the Laurel Hill Road wellfield is shown on Figure 4.

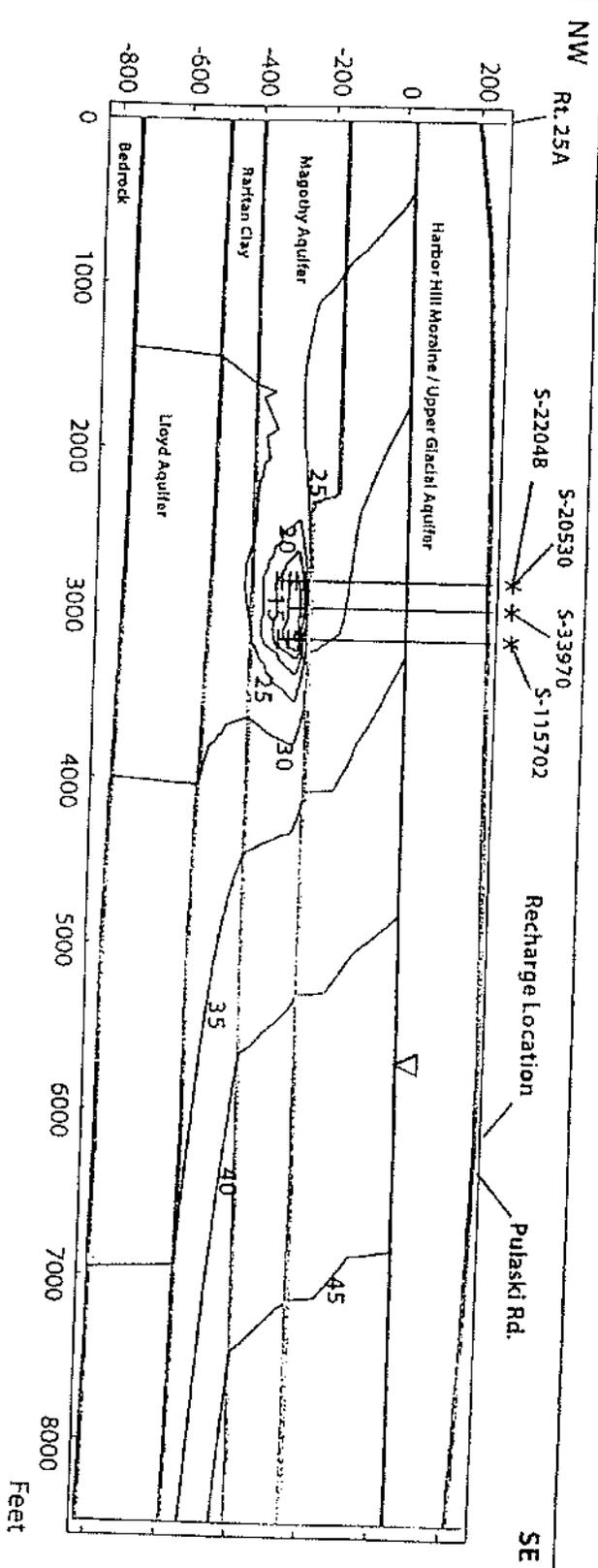
Table 2  
Pumping Rates at Laurel Hill Road Wellfield<sup>1</sup>

NYSDEC Well Number	Pumping Rate (gpd)
S-20530	864,000
S-22048	864,000
S-33970	864,000
S-115702	936,000

<sup>1</sup> As provided by Freudenthal and Elkowitz Consulting Group, Inc

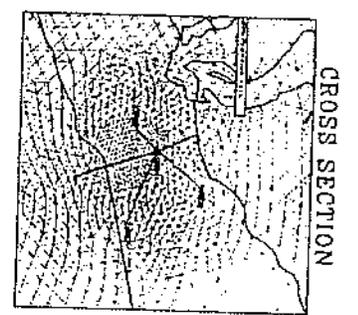
DYNIRACK, CDM's contaminant transport model, used the simulated flow field to estimate the land surface area contributing recharge to the Laurel Hill Road wellfield (not including recharge of effluent at the proposed site). The results of this baseline simulation (with Laurel Hill Road wellfield at ½ capacity) are shown on Figure 5. As shown on the figure, the south eastern corner of the housing development property falls within the wellfield's contributing area, however, the location of the proposed recharge basin is outside of the contributing area at this pumping rate. Minimum time of travel from the water table to the Laurel Hill Road wellfield is 7.92 years.

A second simulation was run in which 36,000 gallons per day (gpd) were recharged to the ground surface at the proposed recharge location. Recharge was assigned uniformly over the recharge area of 11,616 ft<sup>2</sup>. Again, ½ capacity was used to simulate pumping at the Laurel Hill Road wellfield, while long-term average pumping rates were used for nearby supply wells. Contaminant transport modeling of the recharged effluent was conducted to simulate the migration of the effluent plume. Particles representing sanitary effluent were introduced to the water table at the recharge basin location, and a steady-state simulation tracking the migration of the hypothetical plume of treated sanitary recharge was run for 50 years. The resulting plume is shown in plan view on Figure 6 and in cross section on Figure 7. Figure 6



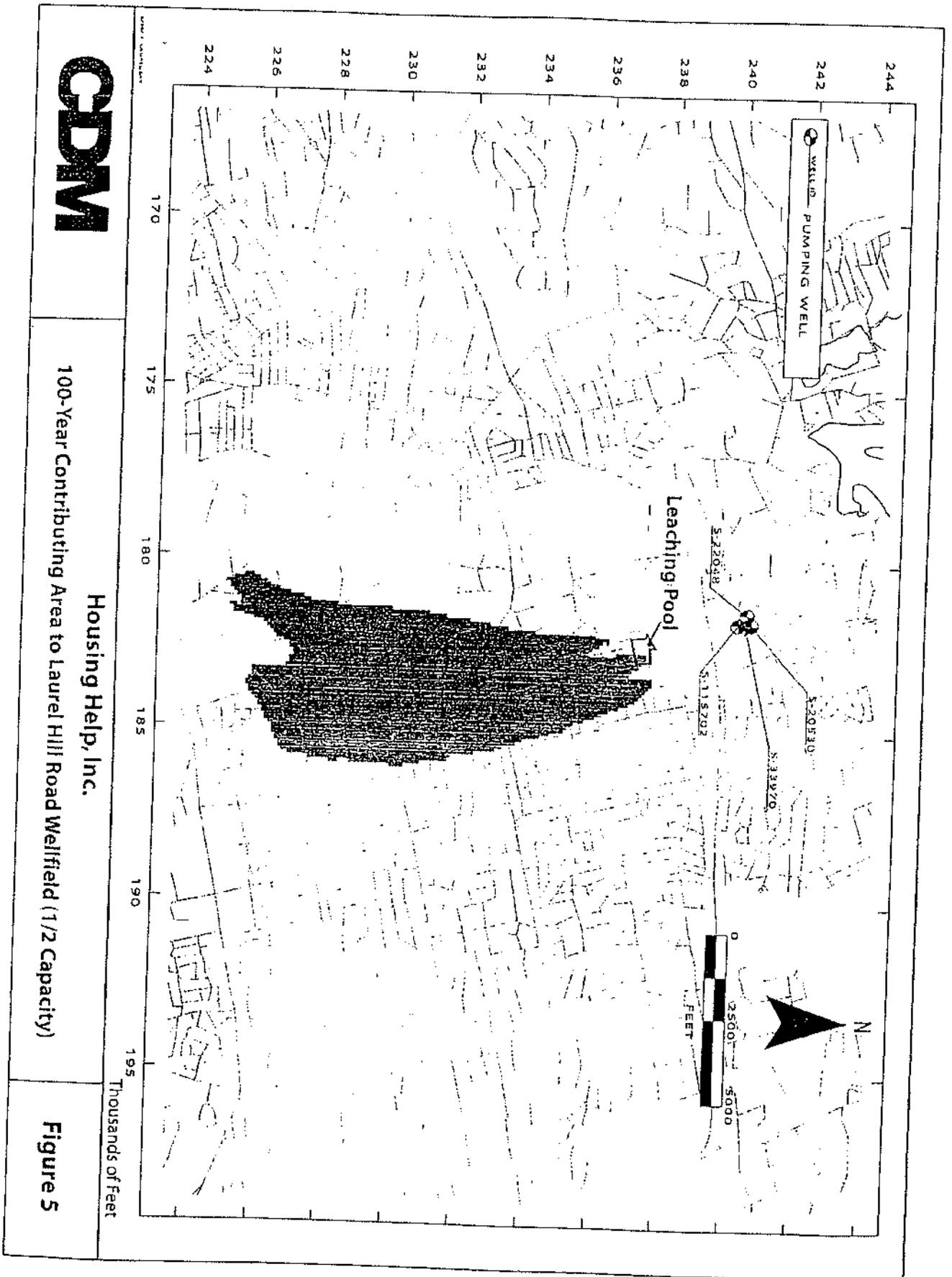
Head (ft)

- \* PUMPING WELL, WITHIN 500.0 FT
- T GROUND SURFACE
- TOP OF SCREEN
- BOTTOM OF SCREEN



Housing Help, Inc.  
 Laurel Hill Road Wellfield - Simulation of Potential Impact from Recharge  
 NW-SE Cross Section

Figure 4



**CDM**

Housing Help, Inc.  
 100-Year Contributing Area to Laurel Hill Road Wellfield (1/2 Capacity)

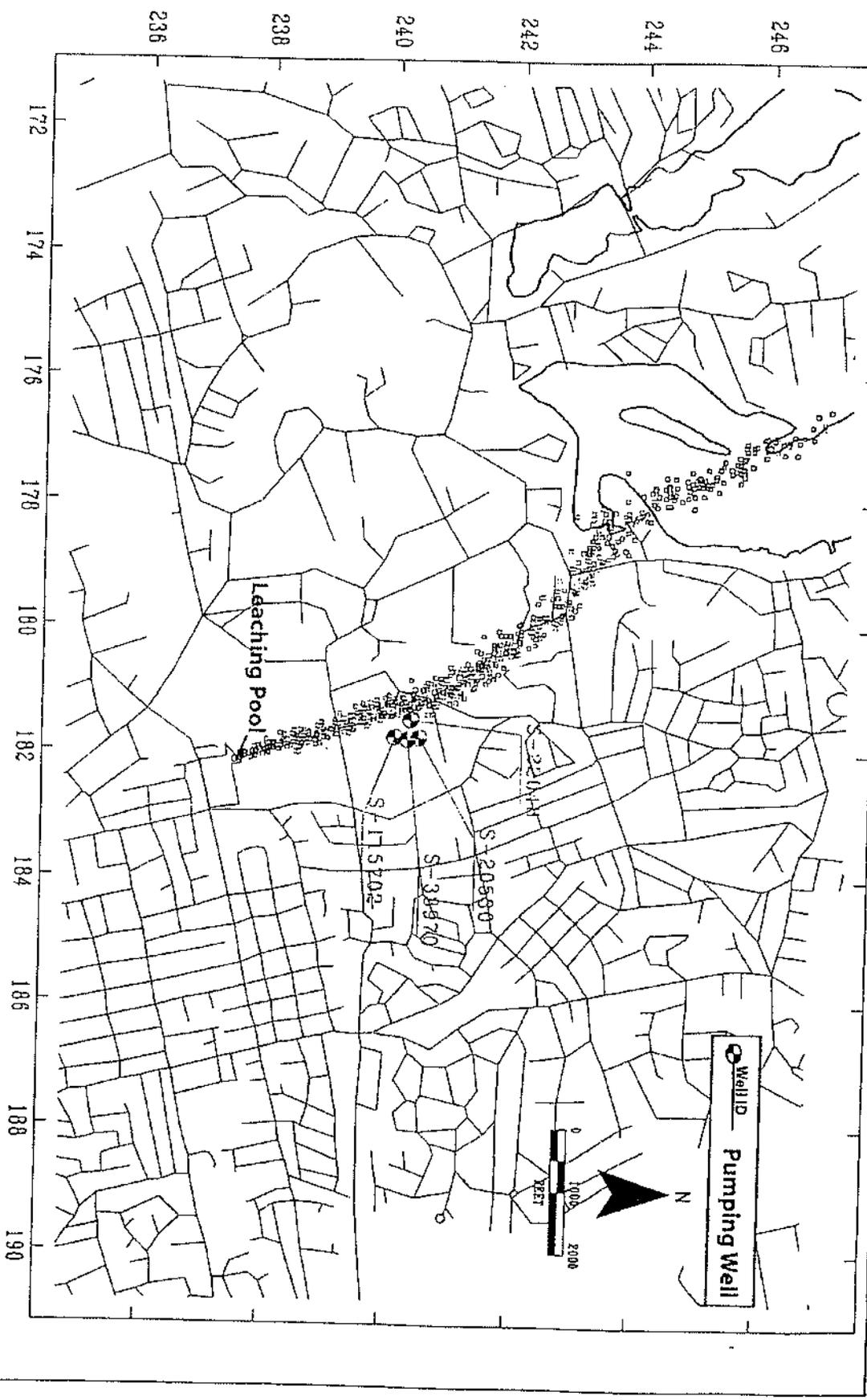
Figure 5

Thousands of Feet

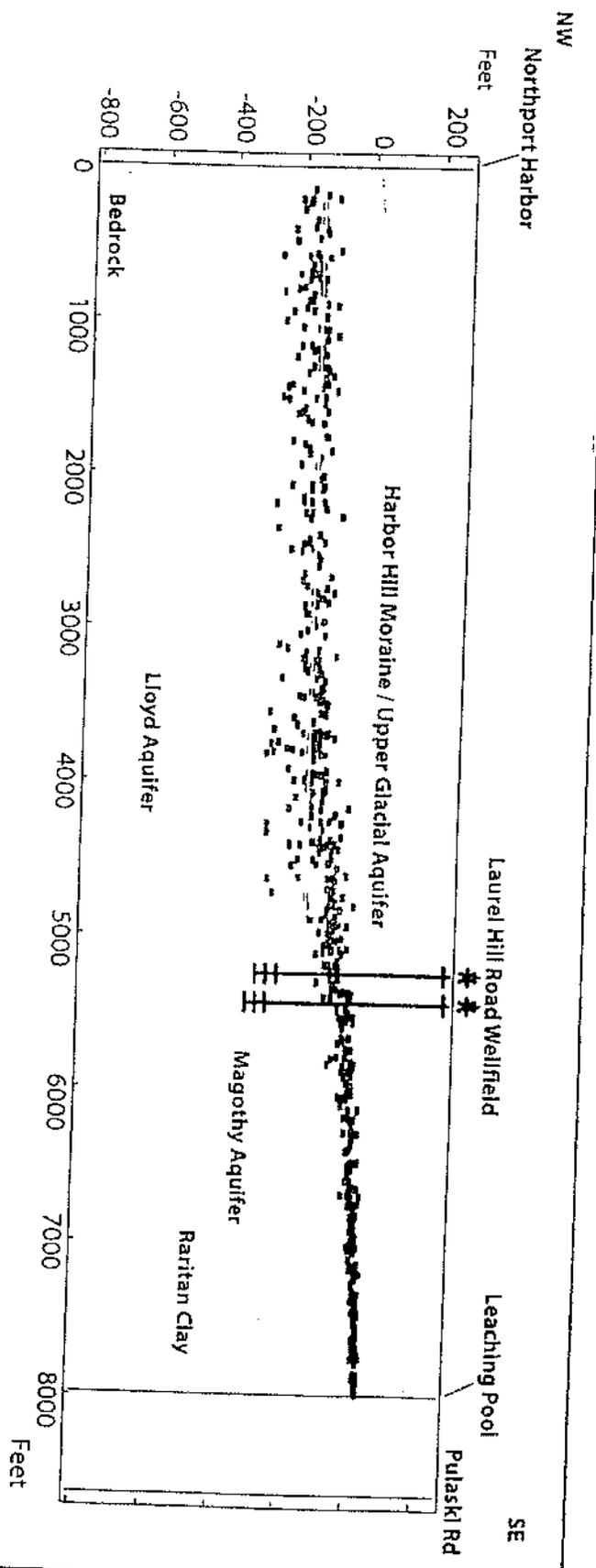


Housing Help, Inc.  
Simulated Migration of Recharge Effluent (50 years)

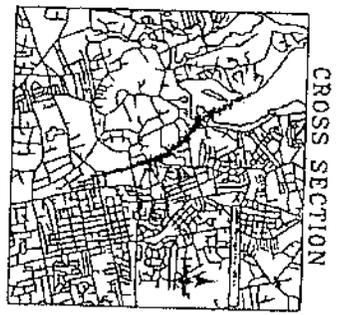
Figure 6



Thousands of Feet



x PUMPING WELL  
 WITHIN 500.0 FT  
 GROUND SURFACE  
 TOP OF SCREEN  
 BOTTOM OF SCREEN



**Housing Help, Inc.**  
 Laurel Hill Road Wellfield - Simulated Migration of Recharge Effluent  
 Laurel Hill Road Wellfield Pumping at 1/2 Capacity

Figure 7

shows that the recharged effluent flows northwest, bypassing Laurel Hill Road wellfield, and discharging into Northport Harbor. With the Laurel Hill Road wellfield pumping at  $\frac{1}{2}$  capacity, the effluent plume travels primarily within the upper glacial aquifer, well above the screened interval of the Laurel Hill Road wellfield wells, but reaches the upper portions of the Magothy aquifer as the plume travels further north as shown on Figure 7.

A third simulation was conducted using average pumping rates at the Laurel Hill Road wellfield. Pumping rates corresponded with those used in the New York State Source Water Assessment Program (SWAP). Pumping rates are shown in Table 3 and the resulting contributing area is shown on Figure 8. As shown on the figure, the contributing area to the wellfield is considerably smaller and is approximately 5,000 feet south of the recharge location. The minimum time of travel to the wellfield is 19.59 years. The recharge effluent again travels northwest, but remains entirely in the upper glacial aquifer (Figure 9).

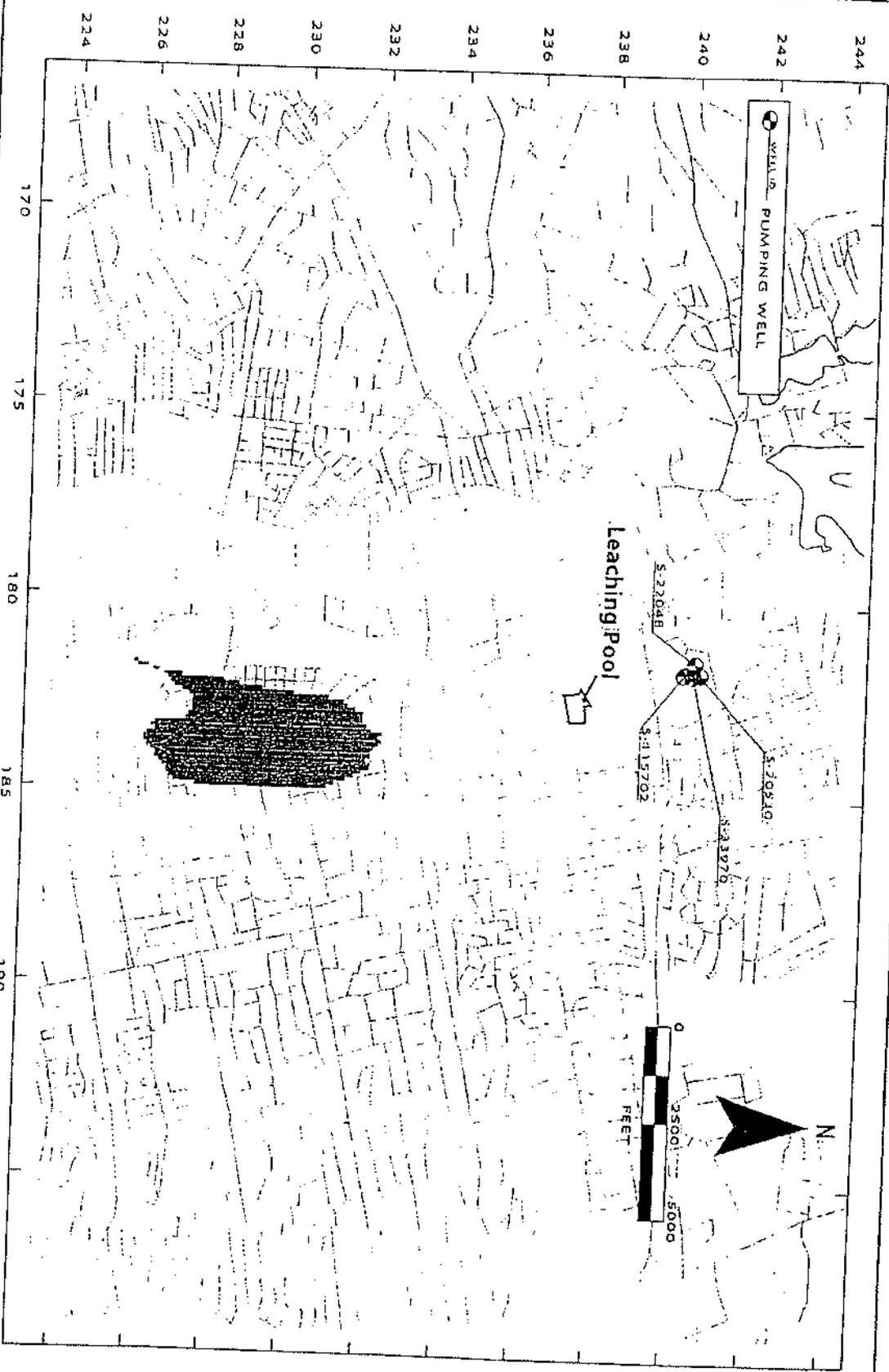
Table 3  
Average Pumping Rates at the Laurel Hill Road Wellfield

NYSDEC Well Number	Pumping Rate (gpd)
S-20530	313,471
S-22048	318,926
S-33970	319,070
S-115702	371,926

## Conclusions

The area estimated to contribute recharge to the Laurel Hill Road wellfield is very sensitive to water supply pumping rates at the wellfield. The results of this analysis are summarized below.

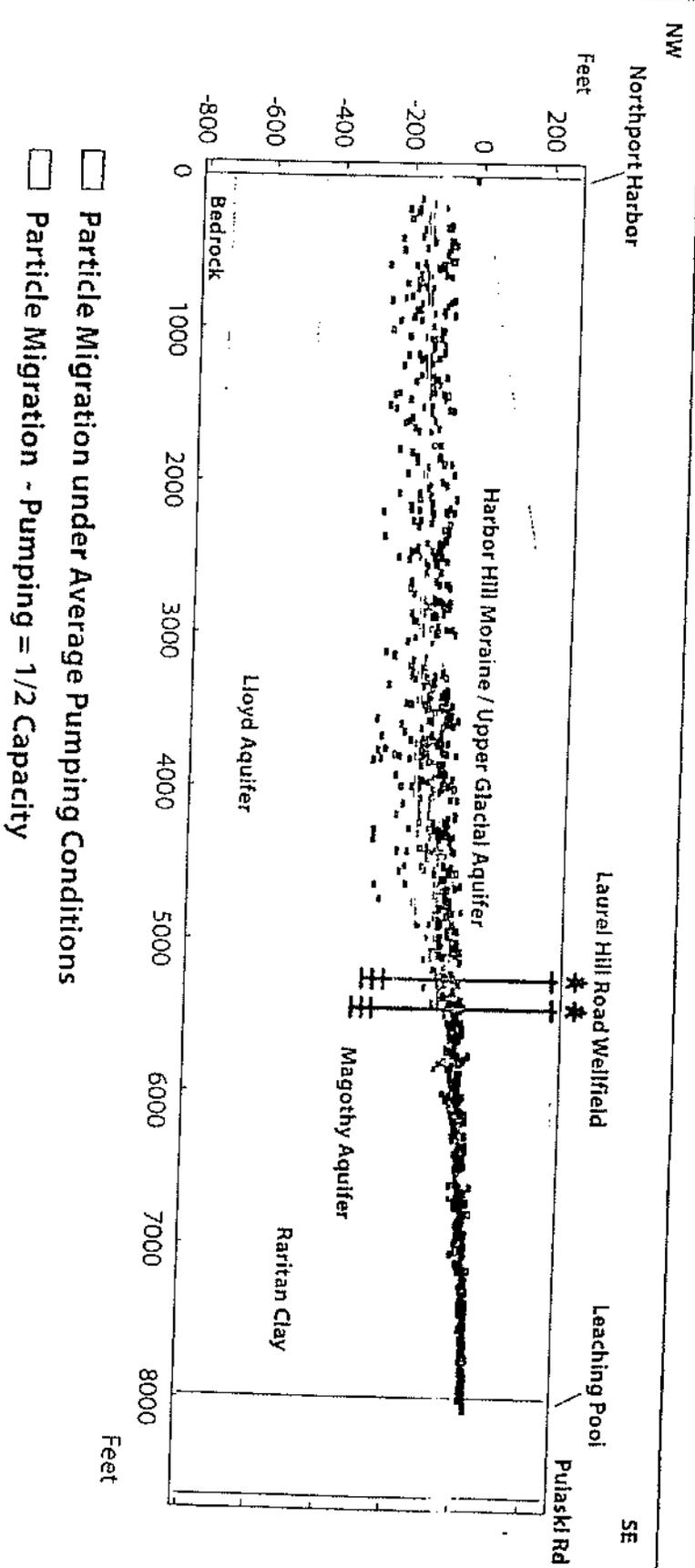
- Under assumed peak conditions of water supply pumping (1/2 capacity) at SCWA's Laurel Hill Road wellfield, the wellfield's contributing area includes southeast corner of the housing development, but the recharge basin lies outside the contributing area, just to the northwest. The additional 36,000 gpd of recharge added at the new recharge area has little effect on the capture zone area of the Laurel Hill Road well field.
- Contaminant migration analyses show that the hypothetical plume of treated sanitary effluent will not impact the Laurel Hill Road wellfield at peak water supply pumping rates. The plume travels in a northwesterly direction, eventually discharging into



Housing Help, Inc.  
 100-Year Contributing Area to Laurel Hill Road Wellfield (Average Pumping)

Figure 8

Thousands of Feet



\* PUMPING WELL  
 WITHIN 500.0 FT  
 GROUND SURFACE  
 TOP OF SCREEN  
 BOTTOM OF SCREEN



Housing Help, Inc.  
 Laurel Hill Road Wellfield - Simulated Migration of Recharge Effluent  
 Pumping at 1/2 Capacity and Long-Term Average Conditions

Figure 9

Housing Help, Inc.  
Ms. Susan R. Lagville  
July 29, 2003  
Page 14

- Northport Harbor. The simulated effluent plume migrates into the upper-most portions of the Magothy aquifer. The minimum time of travel from the water table to the wellfield is 7.92 years.
- Under average conditions of water supply pumping at the Laurel Hill Road wellfield, and long-term average recharge rates, the recharge area is outside the wellfield's contributing area (approximately 5,000 feet north), and the minimum time of travel from the water table to the wellfield is 19.59 years. The hypothetical effluent plume remains within the upper glacial aquifer.

**APPENDIX D**

**PUMP PERFORMANCE CURVES**

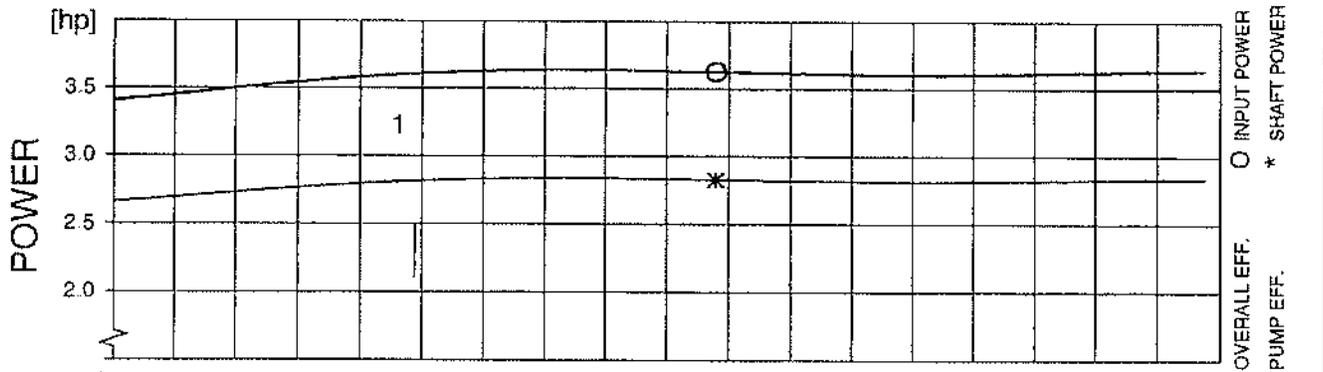


# PERFORMANCE CURVE

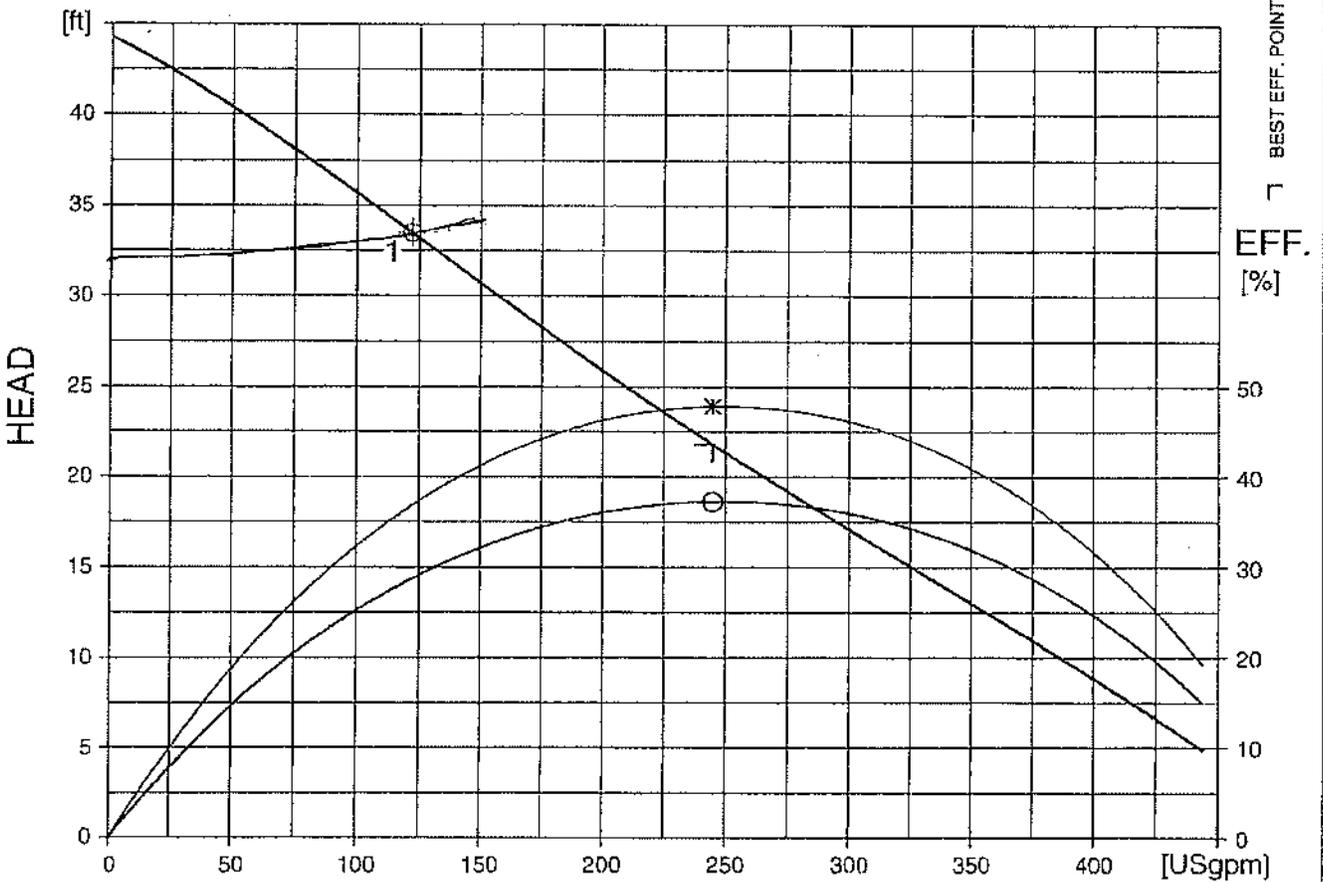
PRODUCT	FP3085.092	TYPE	LT
---------	------------	------	----

DATE	2006-06-12	PROJECT	MATINE COCK COURT STP- INF PUMPS	CURVE NO	63-491-00-5391	ISSUE	1
------	------------	---------	----------------------------------	----------	----------------	-------	---

POWER FACTOR	0.80	3/4-LOAD	0.74	1/2-LOAD	0.62	RATED POWER ...	3	hp	IMPELLER DIAMETER	200 mm						
EFFICIENCY	77.5 %		78.0 %		75.5 %	STARTING CURRENT	24	A	MOTOR #	15-10-4AL	STATOR	38D	REV	12		
MOTOR DATA	---					RATED CURRENT	4.5	A	FREQ	60 Hz	PHASES	3	VOLTAGE	460 V	POLES	4
COMMENTS				INLET/OUTLET	- / 4 inch		RATED SPEED ...	1710	rpm	GEARTYPE	---					
				IMP THROUGHLET	---		TOT.MOM.OF INERTIA ...	0.028	kgm2	RATIO	---					
						NO OF BLADES	2									



DUTY-POINT	FLOW[USgpm]	HEAD(ft)	POWER [hp]	EFF [%]	NPSHreq(ft)
1	122	33.5	3.62 ( 2.82)	28.6 (36.7)	
B.E.P.	245	21.8	3.63 ( 2.83)	37.3 (47.8)	



124 GPM @ 33.3 TDH.

FLYPS3.1.4.0 (20050224)

INFLUENT PUMP STATION

TDH CALCULATIONS

1. SELECT SYSTEM HEAD POINTS

FLOW IN GPM.....

2. FORCE MAIN DATA

PIPE TYPE: DR18  
 C FACTOR: 120  
 NOMINAL DIA. (in.): 4  
 INSIDE DIA. (in.): 4.23  
 INSIDE DIA. (ft.): 0.35  
 ID AREA (sq. ft.): 0.098  
 LENGTH (ft.): 50

PIPE HYDRAULIC VALUES

FLOW RATE (gpm)	(cfs)	VELOCITY (fps)	VEL. HEAD (ft.)
25	0.0557	0.57	0.01
50	0.1114	1.14	0.02
100	0.2228	2.28	0.08
125	0.2785	2.86	0.13
150	0.3342	3.43	0.18

TOTAL VELOCITY HEAD LOSS .....	0.01	0.02	0.08	0.13	0.18
--------------------------------	------	------	------	------	------

3. PIPE LOSS

4" DIAMETER HEAD LOSS

new HAZEN & WILLIAMS (ft.)

@ GPM	0.03	0.09	0.33	0.50	0.71
25	0.03				
50	0.09	0.09			
100	0.33	0.33	0.33		
125	0.50	0.50	0.50	0.50	
150	0.71	0.71	0.71	0.71	0.71

SUM OF ALL PIPE LOSS (ft.) .....	0.03	0.09	0.33	0.50	0.71
----------------------------------	------	------	------	------	------



INFLUENT PUMP STATION

TDH CALCULATIONS

1. SELECT SYSTEM HEAD POINTS

FLOW IN GPM.....

6. STATIC HEAD

	25	50	100	125	150
a	32.00	32.00	32.00	32.00	32.00
b	30.50	30.50	30.50	30.50	30.50

7. TOTAL DYNAMIC HEAD (TDH)

a. TDH max. (STEP 5 + STEP 6a)	32.08	32.26	33.00	33.55	34.21
b. TDH max. (STEP 5 + STEP 6b)	30.58	30.76	31.50	32.05	32.71

8. SYSTEM HEAD CURVES

FLOW (GPM)	TDH max. (FT.)	TDH min. (FT.)	VELOCITY (fps)
0	32.00	30.50	0
25	32.08	30.58	0.57
50	32.26	30.76	1.14
100	33.00	31.50	2.28
125	33.55	32.05	2.86
150	34.21	32.71	3.43



# PERFORMANCE CURVE

PRODUCT

CP3085.183

TYPE

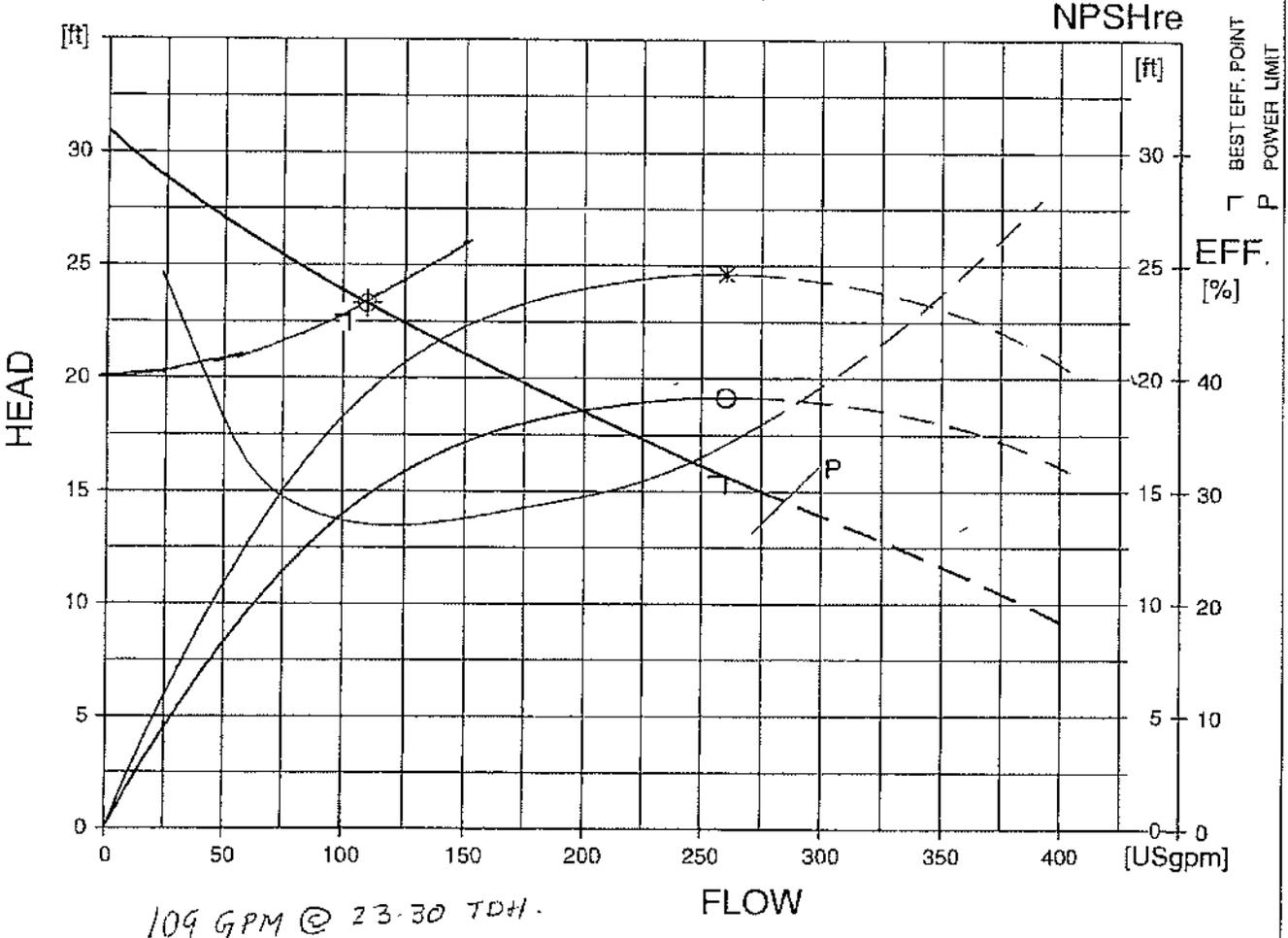
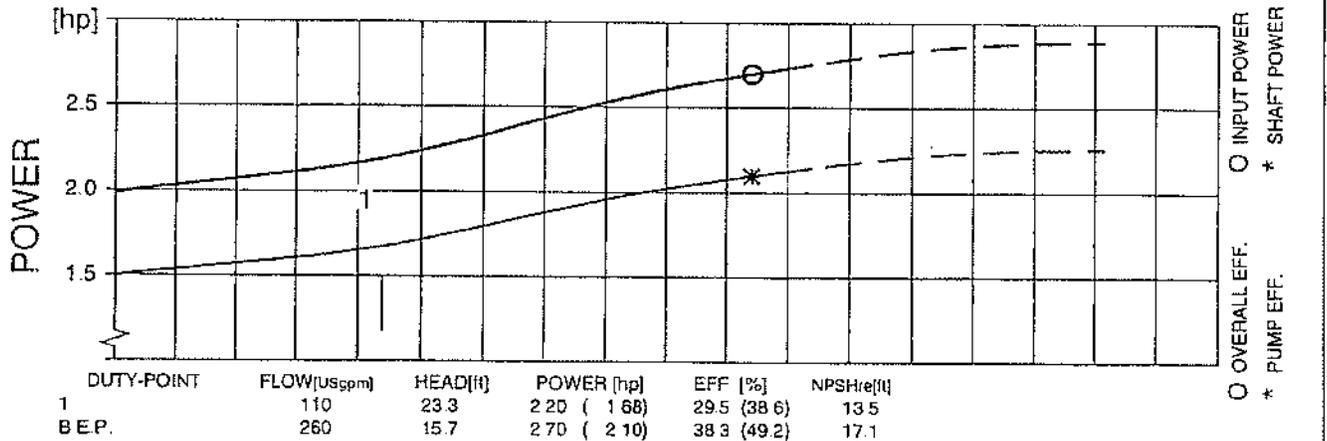
MT

DATE  
2006-06-12PROJECT  
MATINECOCK COURT STP - EQ - PUMPSCURVE NO  
63-436-00-3803ISSUE  
2

	1/1-LOAD	3/4-LOAD	1/2-LOAD	RATED POWER ...	2.2	hp
POWER FACTOR	0.87	0.83	0.75	STARTING CURRENT	14	A
EFFICIENCY	71.5 %	74.0 %	73.0 %	RATED CURRENT	3.3	A
MOTOR DATA	---	---	---			

IMPELLER DIAMETER 144 mm			
MOTOR #	STATOR	REV	
15-07-4AL	12YSER	12	
FREQ	PHASES	VOLTAGE	POLES
60 Hz	3	460 V	4
GEARTYPE		RATIO	
---		---	

COMMENTS	INLET/OUTLET	RATED SPEED ...	1670	rpm
	- / 3.0 inch	TOT. MOM OF INERTIA	0.030	kgm2
	IMP THROUGHLET	NO OF BLADES	1	
	3.0 inch			



FLYPS3.1.4.0 (20050224)

NPSH<sub>r</sub> = NPSH<sub>3%</sub> + min. operational margin

HI B Curve

EQUALIZATION TANK

TDH CALCULATIONS

1. SELECT SYSTEM HEAD POINTS

FLOW IN GPM.....

2. FORCE MAIN DATA

PIPE TYPE SCH 80  
 C FACTOR 120  
 NOMINAL DIA. (in.) 3  
 INSIDE DIA. (in.) 3.1  
 INSIDE DIA. (ft.) 0.26  
 ID AREA (sq. ft.) 0.052  
 LENGTH (ft.) 55

PIPE HYDRAULIC VALUES

FLOW RATE (gpm)	(cfs)	VELOCITY (fps)	VEL. HEAD (ft.)
25	0.0557	1.06	0.02
50	0.1114	2.13	0.07
100	0.22228	4.25	0.28
125	0.2785	5.32	0.44
150	0.3342	6.38	0.63

TOTAL VELOCITY HEAD LOSS ..... 0.02    0.07    0.28    0.44    0.63

3. PIPE LOSS

4" DIAMETER HEAD LOSS

new

@ GPM HAZEN & WILLIAMS (ft.)

25	0.13	0.13
50	0.46	0.46
100	1.67	1.67
125	2.52	2.52
150	3.53	3.53

SUM OF ALL PIPE LOSS (ft.) ..... 0.13    0.46    1.67    2.52    3.53

EQUALIZATION TANK

TDH CALCULATIONS

1. SELECT SYSTEM HEAD POINTS

FLOW IN GPM.....

4. MINOR LOSSES

4" DIAMETER

QUANTITY	TYPE OF LOSS	K FACTOR	k total
1	inlet	0.50	0.50
1	outlet	1.00	1.00
3	90 - elbow	0.51	1.53
0	45 - elbow	0.27	0.00
0	22.5 - elbow		0.00
0	tee ( thru)	0.34	0.00
0	tee ( branch)	1.02	0.00
0	gate valve	0.14	0.00
0	plug valve	1.00	0.00
0	butterfly valve		0.00
0	check valve	1.70	0.00
0	special control valve	5.00	0.00
0	wye fitting		0.00
0	reducer	0.33	0.00

K TOTAL 3.03

@ GPM	VELOCITY HEAD (ft.)	K TOTAL	LOSS (ft.)
25	0.02	3.03	0.05
50	0.07	3.03	0.21
100	0.28	3.03	0.85
125	0.44	3.03	1.33
150	0.63	3.03	1.91

SUM OF ALL MINOR LOSSES (ft.)	25	50	100	125	150
0.05	0.05	0.21	0.85	1.33	1.91
5. SUM OF ALL LOSSES (STEP 2 + STEP 3 + STEP 4)	0.20	0.75	2.80	4.29	6.08

EQUALIZATION TANK

TDH CALCULATIONS

1. SELECT SYSTEM HEAD POINTS

FLOW IN GPM.....

6. STATIC HEAD

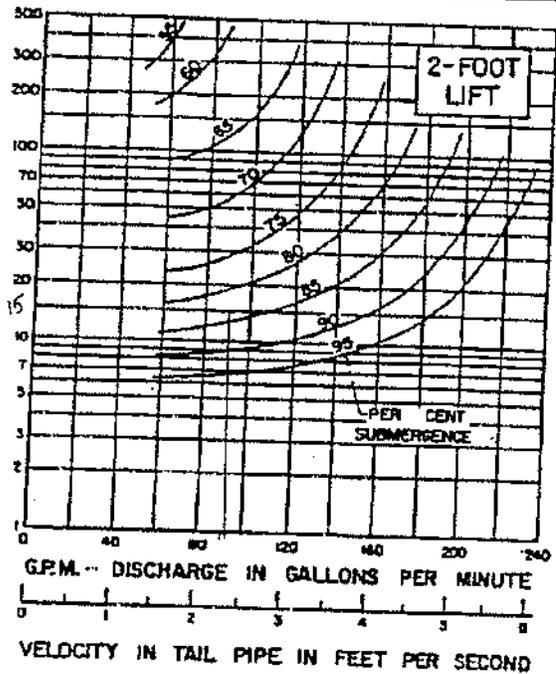
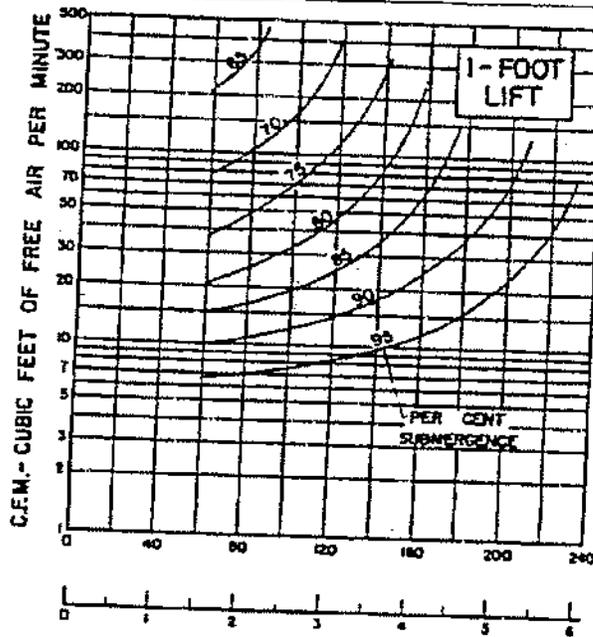
	25	50	100	125	150
a	20.00	20.00	20.00	20.00	20.00
b	10.00	10.00	10.00	10.00	10.00

7. TOTAL DYNAMIC HEAD (TDH)

a. TDH max. ( STEP 5 + STEP 6a )	20.20	20.75	22.80	24.29	26.08
b. TDH max. ( STEP 5 + STEP 6b )	10.20	10.75	12.80	14.29	16.08

8. SYSTEM HEAD CURVES

FLOW (GPM)	TDH max. (FT.)	TDH min. (FT.)	VELOCITY (fps)
0	20.00	10.00	0
25	20.20	10.20	1.06
50	20.75	10.75	2.13
100	22.80	12.80	4.25
125	24.29	14.29	5.32
150	26.08	16.08	6.38



### NOTES:

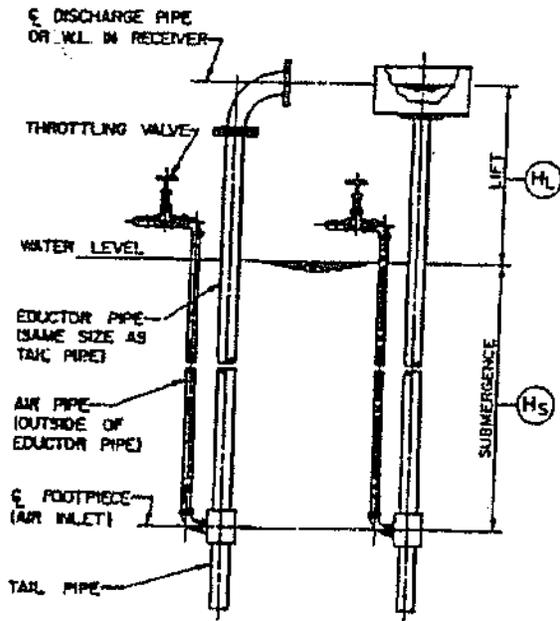
1. THE AIR LIFT PERFORMANCE CURVES ON THIS CHART ARE TYPICAL FOR PUMPING CLEAR WATER AND ARE INTENDED TO BE USED FOR ESTIMATING.
2. THE PER CENT SUBMERGENCE =  $\frac{H_s}{H_s + H_L} \times 100$ .
3. IT IS SUGGESTED THAT THE CURVES BE NOT EXTENDED BEYOND THE LIMITS SHOWN BECAUSE THE APPROXIMATE MAXIMUM DISCHARGE FOR EACH CONDITION IS INDICATED.
4. FOR LIFTS BETWEEN THOSE INDICATED ON THIS CHART USE A STRAIGHT ARITHMETIC PROPORTION WHEN INTERPOLATING VALUES.

### EXAMPLE 1:

GIVEN: LIFT,  $H_L = 5'$ ; SUBM.,  $H_S = 13'$ .  
 DESIRED DISCH. = 100 G.P.M.  
 FIND: PER CENT SUBMERGENCE =  $\frac{13}{13+5} \times 100 = 72$   
 AIR REQ'D. = 24 C.F.M. (FREE AIR)  
 VELOCITY IN 4" TAIL PIPE = 2.6 F.P.S.

### EXAMPLE 2:

GIVEN: LIFT,  $H_L = 5.5'$ ; SUBM.,  $H_S = 12.5'$ .  
 DESIRED VEL. IN 4" TAIL PIPE = 3.0 F.P.S.  
 FIND: DISCH. FROM 4" AIR LIFT = 117 G.P.M.  
 PER CENT SUBM. =  $\frac{12.5}{12.5+5.5} \times 100 = 69.3$ .  
 AIR REQ'D.  
 • [AIR @  $H=5'$ ] -  $\frac{12-10}{70-50}$  (DIFF. AIR @  $H=5'$  &  $7'$ )  
 • 40 - 0.25(40 - 30)  
 • 38 C.F.M. (FREE AIR).



TYPICAL AIR LIFTS FOR WHICH CURVES ARE APPLICABLE

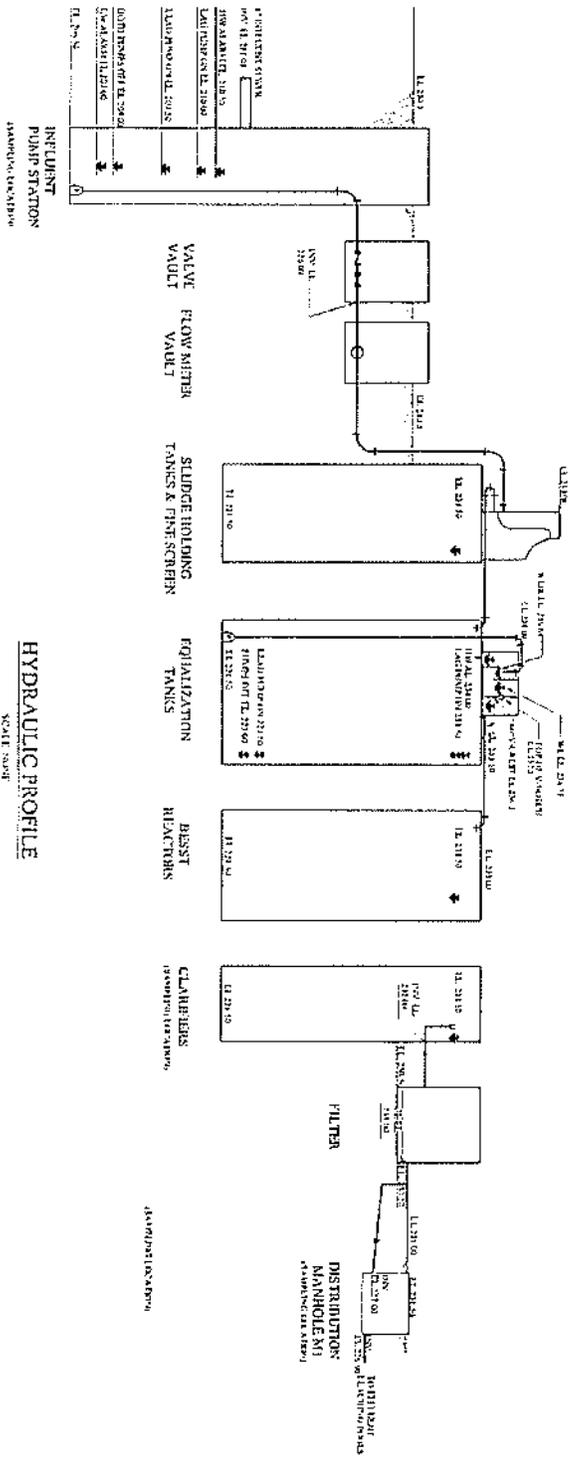


**Purestream inc.**

WASTEWATER TREATMENT EQUIPMENT  
 P.O. Box 68 Florence, KY 41022-0068 Phone (859) 371-9898 Fax (859) 371-3577

**DRAWINGS**

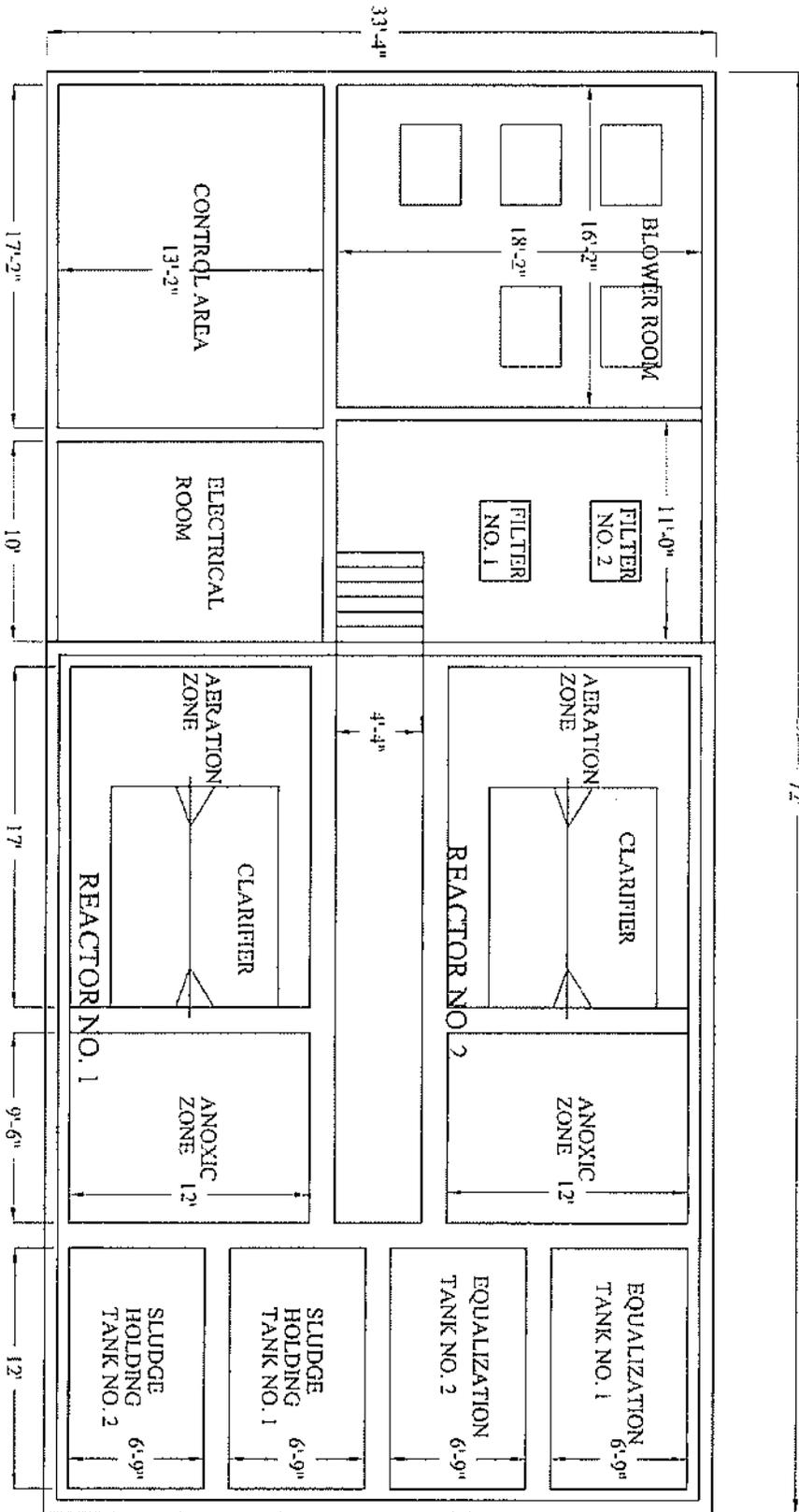
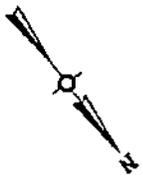




**HYDRAULIC PROFILE**

SCALE: 1:500

<b>Michael P. Charrell Engineer P.C.</b> 101 NEW YORK AVENUE, BROOKLYN, NEW YORK 11201-2504 PHONE: (718) 471-1800 FAX: (718) 471-1801				
MATHEWSON COURT GREENLAWN, NEW YORK SEWAGE TREATMENT PLANT - ENGINEERING REPORT <b>HYDRAULIC PROFILE</b>				
PROJECT NO.	DATE	DESIGNER	CHECKED	DWG. NO.
174-00213	JUNE 2006	MEP	MPC	2



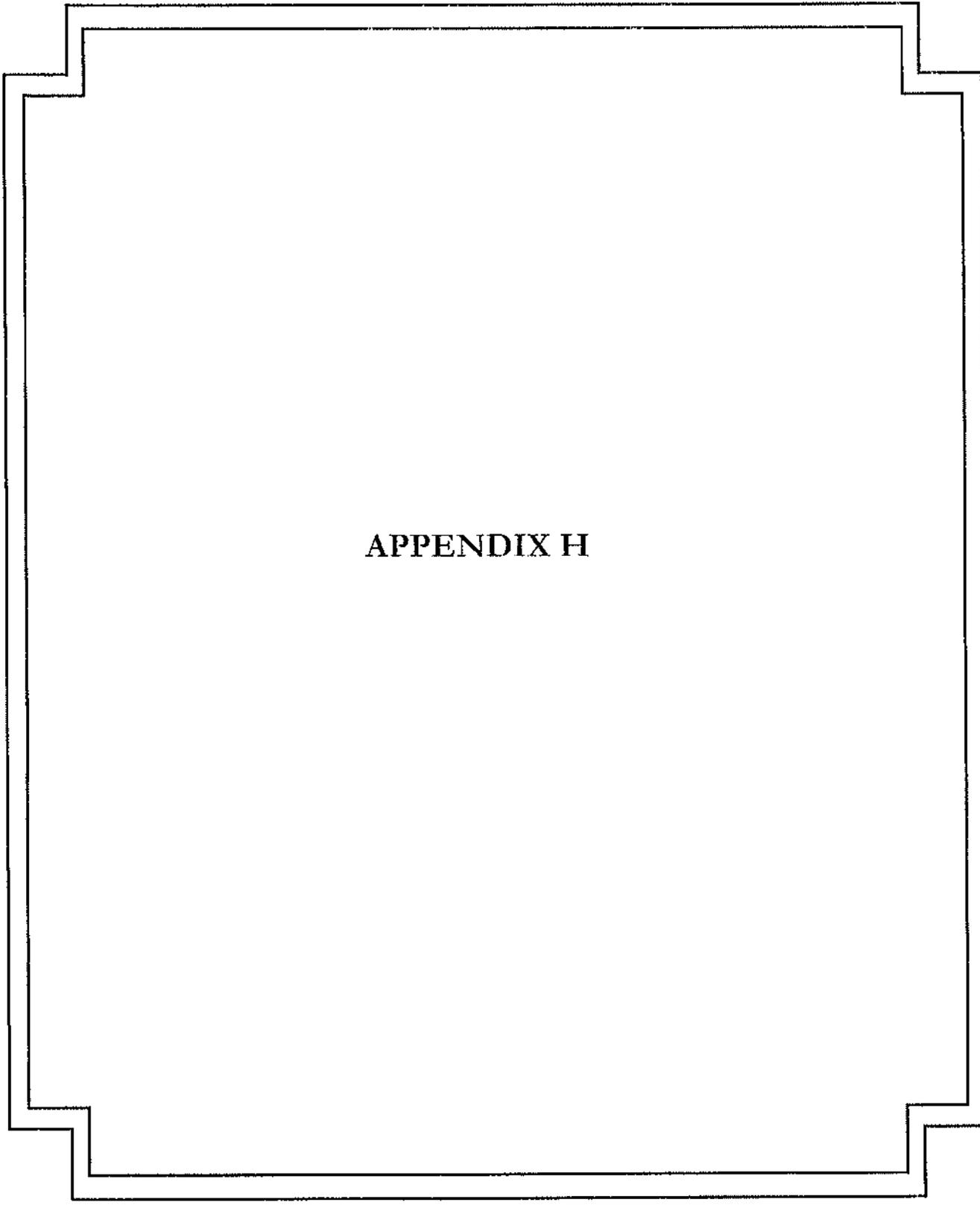
**Michael P. Chiarelli Engineer P.C.**

1954 NEW YORK AVENUE, HUNTINGTON STATION, NEW YORK 11746 - 2906  
 PHONE: (631) 673 - 2808 FAX: (631) 673 - 2842

MATINECOCK COURT  
 GREENLAWN, NEW YORK  
 SEWAGE TREATMENT PLANT - ENGINEERING REPORT

**FLOOR PLAN**

PROJECT	DATE	BY	DATE	BY	DATE
N.T.S.	04/05/97	YK	12/02/15	YK	12/02/15
OWNER	DATE	BY	DATE	BY	DATE
YK	01/22/97	YK/HP	JUNE 2006		



**APPENDIX H**

# COUNTY OF SUFFOLK



**Steve Levy**  
SUFFOLK COUNTY EXECUTIVE

**DEPARTMENT OF HEALTH SERVICES**  
**HUMAYUN J. CHAUDHRY, DO, MS**  
**Commissioner**

July 2, 2007

Charles J. Mangano  
Huntington Department of Planning and Environment  
100 Main Street  
Huntington, NY 11743

**Re: Matinecock Court Soil Management Plan**  
**NW corner of Pulaski Road and Elwood Road, East Northport**  
**SCTM # 400-114-4-7**

Dear Mr. Mangano:

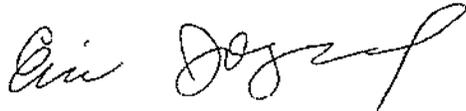
As you requested in our recent telephone conversation, I have reviewed the DEIS for the above referenced facility. In addition, this office is in receipt of a letter dated June 26, 2007 from the consultant of the above referenced project. Based upon the information contained in the DEIS and in the consultant's letter, the questions and concerns outlined in my June 1 letter have been addressed:

- 1) The site plan included with the DEIS and submitted by the consultant does provide the additional information needed to properly evaluate the SMP.
- 2) The consultant's letter indicates that the resident's will have restricted rights to open areas, which are for passive use only and controlled by the condominium board. No individual or private gardens or playgrounds should be allowed. The proposed common playgrounds (6) will be covered with rubberized surfaces preventing surface exposures.
- 3) Fourteen end point samples for arsenic and pesticides in open areas are an appropriate number of samples. The samples should be collected in backyard areas and other sensitive areas where children are likely to play. Comment was acknowledged by consultant.
- 4) A town representative should witness end point sample collection to ensure appropriate sample locations are chosen. Comment was acknowledged by consultant,

Assuming that the playground surfaces are maintained properly, and that the condominium board maintains its control over the restricted use of the open areas, this office advises the Town that the SMP proposed by the consultant should be sufficient to protect the residents from exposure to the soil contaminants. As always, the results of the end point samples will determine if the execution of the SMP is sufficient.

Please contact me at 854-2544 if you have any questions.

Yours truly,

A handwritten signature in cursive script, appearing to read "Eric Jounghlood".

Eric Jounghlood  
Associate Public Health Sanitarian  
Office of Pollution Control

Cc: Kim A. Gennaro, Freudenthal and Elkowitz  
Robert Seyfarth, SCDHS  
James Meyers, SCDHS

# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

1757-24 Veterans Memorial Highway

Islandia, New York 11749

Tel: (631) 499-2222

Fax: (631) 499-5928

fecg@fecg.us

June 26, 2007

## VIA OVERNIGHT CARRIER

Mr. Eric Jounghlood  
Associate Public Health Sanitarian  
Office of Pollution Control  
Suffolk County Department of Health Services  
15 Horseblock Place  
Farmingville, New York 11738

Re: Soil Management Plan  
Proposed Development of Matinecock Court  
155-unit Affordable Housing Development  
Hamlet of Greenlawn, Town of Huntington

Dear Mr. Jounghlood:

This firm is responding to your correspondence of June 1, 2007 to Mr. Charles Mangano of the Town of Huntington Department of Planning and Environment providing comments on the proposed Soil Management Plan ("SMP") prepared by this firm, as environmental consultant to the applicant (Housing Help, Inc.). Your comments and our responses to same are included below.

*1) The site plan submitted with the SMP was difficult to read and did not specify the type of units, the number of units, the size of the property, specific use areas depicting playgrounds, passive parks, paved areas, landscape berms, etc. These site specific details are needed to properly evaluate the SMP.*

The subject property is 14.574 acres and is located on the north side of Pulaski Road, west side of Elwood Road and south of the Long Island Rail Road in the hamlet of Greenlawn, Town of Huntington. As indicated on the enclosed pages 119 and 120 of the Draft Environmental Impact Statement ("DEIS") for this proposed action, dated February 2006,<sup>1</sup> the proposed development includes 155 condominium units in six different residential building types, for a total of 18 residential buildings. One community center is also proposed.

---

<sup>1</sup> At the request of the Town of Huntington Department of Planning and Environment, Freudenthal & Elkowitz Consulting Group, Inc. provided a copy of the DEIS to the Suffolk County Department of Health Services on or about April 14, 2006, as part of the *Notice of Completion of Draft and Notice of SEQOR Hearing*

As indicated on the enclosed Layout Plans I and II, there are several playgrounds and open recreation areas proposed throughout the housing development. Earthen berms with landscaping, including shade, evergreen and ornamental trees, are proposed along the site perimeter.

*2) The arsenic levels at SB3, SB5, SB6, SB11, SB12 and SB14 are such that a one foot soil stripping removal will still leave levels considerably higher than the soil objective of 4 ppm. Since these locations are planned to be open spaces, more information about the planned type of land use for these open areas should be provided for review. Several questions arise:*

- Are the open areas for passive common uses as opposed to a resident's backyard with unrestricted rights for gardening and playgrounds?*
- Are the planned units for single family use with unrestricted rights, or are they condominiums or apartments with no rights for personal land use?*
- Do the residents have unrestricted rights for their backyard areas?*

*If unrestricted use, soil stripping at these locations to a depth of 3 feet prior to the emplacement of the one foot of clean material should be considered.*

As indicated above, the proposed development consists of 155 condominium units. As such, the residents will have restricted rights to open areas. The open areas are for passive common use only and these areas will be restricted by the condominium board. Such restrictions will include that these areas not be used for gardens or playgrounds.

The enclosed Boring Plan includes the location of the 14 soil samples discussed in the SMP. Samples SB-1, SB-5, SB-6, SB-11, SB-12, and SB-14 are located near playground areas and in rear yard open space locations. However, the proposed playground areas would be covered with rubberized surfaces such that there would be no exposure to the soils. Also, as indicated above, the passive open space areas will have restricted use.

Sample SB-3 is located in a proposed paved parking area. All other soil sample locations are under proposed paved areas or, in the case of SB-8, in the vicinity of the sewage treatment plant leaching field.

*3) Fourteen end point samples for arsenic and pesticides in open areas are an appropriate number of samples. The samples should be collected in backyard areas and other sensitive areas where children are likely to play.*

The comment is acknowledged.

*4) A town representative should witness end point sample collection to ensure appropriate sample locations are chose.*

The comment is acknowledged.

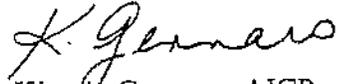
Mr. Eric Jounghblood  
Associate Public Health Sanitarian  
Office of Pollution Control  
Suffolk County Department of Health Services

June 26, 2007  
Page 3

Please feel free to contact the undersigned with any questions you may have. Thank you.

Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.



Kim A. Gennaro, AICP  
Senior Project Manager

KG/lm

cc: C. Mangano (w/enc.)  
S. Lagville (w/enc.)

When combining the projected annual potable water usage (13,004,950 gallons) and annual irrigation volume (1,150,240 gallons), the total water demand is estimated at 14,155,190 gallons or 38,781± gallons per day when averaged over 365 days.

Accordingly, implementation of the proposed action will not result in adverse effects on the public water supply.

### **Surface Water**

As indicated in Section 3.3 of this DEIS, there are no surface waters or freshwater or tidal wetlands on the subject site. As such, there would be no adverse impacts to same.

## **4.4 Land Use and Zoning**

### **Land Use**

Implementation of the proposed action would alter the use of the site from vacant, undeveloped property to a 155-unit housing development with an STP, recharge basin, roads and other related appurtenances. Access to the proposed development would be from Pulaski Road with an emergency access provided to and from Elwood Road. A community center and various internal play areas will be also be provided for residents of Matinecock Court. A total of 20 buildings are proposed.

As depicted on the proposed site plan, the proposed development consists of six different residential building types, for a total of 18 residential buildings. As discussed in Section 2.0 of this DEIS, the proposed 155-housing units would include 20 one-bedroom units, 90 two-bedroom units, 37 three-bedroom units and eight four bedroom units. Each of the proposed units would have enclosed storage spaces. The first floor units would contain individual exterior storage areas at the rear of the unit. The second floor units would have attic space accessible from pull-down stairs, as well as small balconies.

In addition, there is a community center proposed in the central portion of the development and is proximate to the Pulaski Road entrance. The proposed community center is a one-story building with cellar. However, only mechanical equipment and storage space would be within the cellar. Several playgrounds and open recreation areas are proposed throughout the housing development. The proposed recharge basin would be situated at the northwest portion of the site and would be contained with fencing and significant vegetation around the perimeter. To the east of the recharge basin is the structure and leaching field for the STP.

Upon implementation of the proposed action, approximately 41.3 percent of the site would be developed with impervious surfaces (i.e., buildings and other paved surfaces). The remaining 8.557 acres would consist of landscaping and/or lawn area (7.457 acres), wooded area (0.450 acre), and a recharge basin (0.650 acre).

The proposed 155-unit housing development would consist entirely of affordable housing units, and would offer both rental and ownership options. From a land use perspective, the proposed action will be consistent with surrounding residential and educational properties, as well as with the Town's land use policies. As discussed throughout this DEIS, the development of the site for affordable housing has been the subject of litigation and has been deemed acceptable, and therefore, is consistent with the intended land use of the site. As discussed later in this subsection, the proposed action would assist the Town in providing affordable housing to appeal to younger families and contributes to the diversity of housing available to current and future potential Huntington residents.

# COUNTY OF SUFFOLK



**Steve Levy**  
SUFFOLK COUNTY EXECUTIVE

**DEPARTMENT OF HEALTH SERVICES**  
**HUMAYUN J. CHAUDHRY, DO, MS**  
Commissioner

June 1, 2007

Charles J. Mangano  
Huntington Department of Planning and Environment  
100 Main Street  
Huntington, NY 11743

**Re: Matinecock Court Soil Management Plan**

Dear Mr. Mangano:

This office is in receipt of your May 1<sup>st</sup> letter requesting guidance in the soil management plan (SMP) for the above referenced site.

This office has reviewed the SMP submitted with your letter. In general, the SMP is in conformance with our guidelines, but there are a few areas where more information appears to be needed:

- 1) The site plan submitted with the SMP was difficult to read and did not specify the type of units, the number of units, the size of the property, specific use areas depicting playgrounds, passive parks, paved areas, landscape berms, etc. These site specific details are needed to properly evaluate the SMP.
- 2) The arsenic levels at SB3, SB5, SB6, SB11, SB12 and SB14 are such that a one foot soil stripping removal will still leave levels considerably higher than the soil objective of 4 ppm. Since these locations are planned to be open spaces, more information about the planned type of land use for these open areas should be provided for review. Several questions arise:
  - Are the open areas for passive common uses as opposed to a resident's backyard with unrestricted rights for gardening and playgrounds?
  - Are the planned units for single family use with unrestricted rights, or are they condominiums or apartments with no rights for personal land use?
  - Do the residents have unrestricted rights for their backyard areas?

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DIRECTOR	
DEPUTY DIR	
ASST. DIRECTOR	
C.M.	
AGENDA	
ADDED STARTER	

If unrestricted use, soil stripping at these locations to a depth of 3 feet prior to the emplacement of the one foot of clean material should be considered.

- 3) Fourteen end point samples for arsenic and pesticides in open areas are an appropriate number of samples. The samples should be collected in backyard areas and other sensitive areas where children are likely to play.
- 4) A town representative should witness end point sample collection to ensure appropriate sample locations are chosen.

Please contact me at 854-2544 if you have any questions.

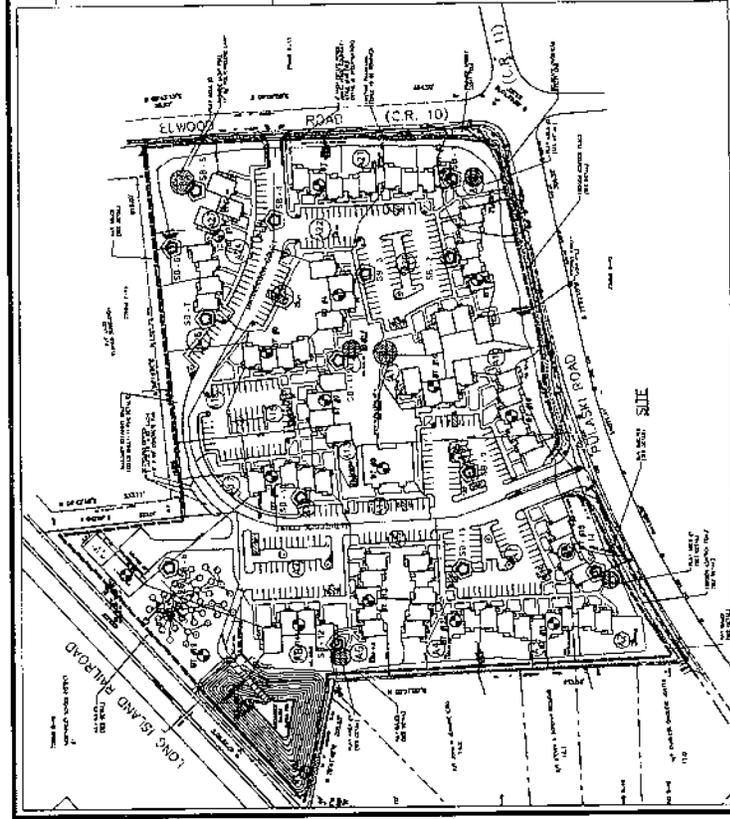
Yours truly,



Eric Joungblood  
 Associate Public Health Sanitarian  
 Office of Pollution Control

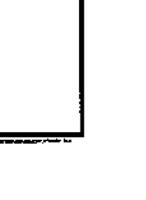
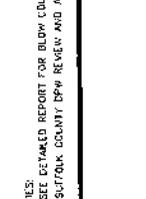
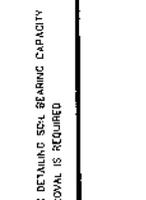
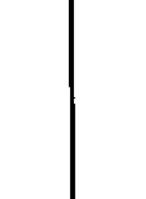
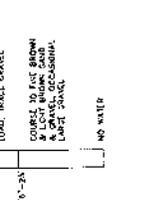
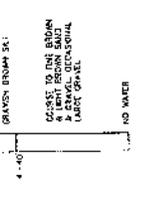
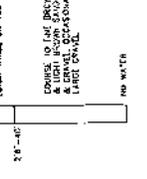
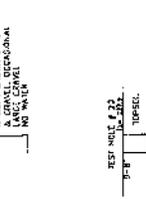
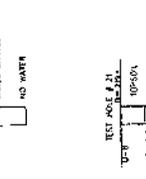
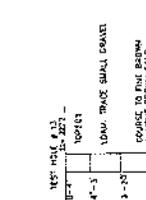
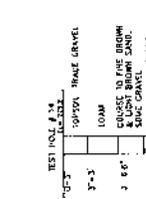
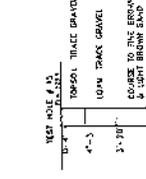
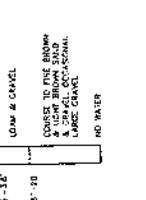
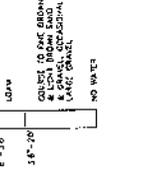
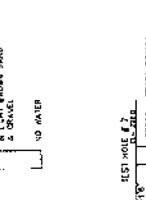
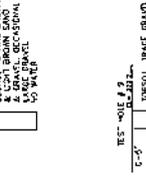
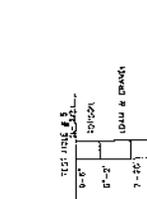
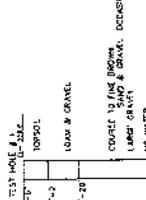
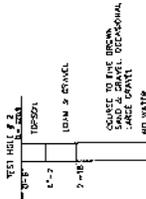
Cc: Robert Seyfarth, SCDHS  
 James Meyers, SCDHS

Post-it® Fax Note	7671	Date	6/12/07	# of pages	2
To	Kim Genaro	From	C. Mangano		
Co./Dept.	FY Odenthal + Elkowitz	Co	TOH Planning		
Phone #	499-2222	Phone #	351-3196		
Fax #	499-5928	Fax #	351-3257		



1" = 600'

DATE: 11/14/77  
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 PROJECT NO.: 6080-111-4-7



DATE: 11/14/77  
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 PROJECT NO.: 6080-111-4-7

NO. 10  
 NO. 15

NOTES:  
 1. SEE DETAIL REPORT FOR BLOW COUNTS DETAILED SOIL BEARING CAPACITY  
 2. SUTTON COUNTY DPW REVIEW AND APPROVAL IS REQUIRED







# TOWN OF HUNTINGTON

## DEPARTMENT OF PLANNING & ENVIRONMENT

Anthony J. Aloisio, AICP, *Director*

Frank P. Petrone, *Supervisor*

June 13, 2007

Freudenthal & Elkowitz  
Consulting Group, Inc.  
368 Veterans Memorial Highway  
Commack, New York 11725

Attn.: Theresa Elkowitz, President

Re: Matinecock Court – Site Assessment / Soil Management Plan  
n/w/c Pulaski Rd. (CR 11) and Elwood Rd. (CR 10), East Northport  
SCTM # 0400-114-04-007

Dear Ms. Elkowitz:

Attached for your information is a June 1, 2007 letter from the Suffolk County Department of Health Services [SCDHS] regarding the Matinecock Court Soil Management Plan. The June 1, 2007 SCDHS letter was also faxed to your office on June 12, 2007. Please address the SCDHS concerns prior to submitting a revised draft Final Environmental Impact Statement [FEIS] to this office. If there are any questions, please contact this office.

Very truly yours,

Charles J. Mangano, Environmental Planner  
for Anthony J. Aloisio, Director

CJM:cjm

Enc

cc: Planning Board Chair, and Members of the Board  
Housing Help, Inc

END

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Date Printed: 06/13/07

COUNTY OF SUFFOLK



Steve Levy  
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES  
HUMAYUN J. CHAUDHRY, DO, MS  
Commissioner

June 1, 2007

Charles J. Mangano  
Huntington Department of Planning and Environment  
100 Main Street  
Huntington, NY 11743

Re: Matinecock Court Soil Management Plan

Dear Mr. Mangano:

This office is in receipt of your May 1<sup>st</sup> letter requesting guidance in the soil management plan (SMP) for the above referenced site.

This office has reviewed the SMP submitted with your letter. In general, the SMP is in conformance with our guidelines, but there are a few areas where more information appears to be needed:

- 1) The site plan submitted with the SMP was difficult to read and did not specify the type of units, the number of units, the size of the property, specific use areas depicting playgrounds, passive parks, paved areas, landscape berms, etc. These site specific details are needed to properly evaluate the SMP.
- 2) The arsenic levels at SB3, SB5, SB6, SB11, SB12 and SB14 are such that a one foot soil stripping removal will still leave levels considerably higher than the soil objective of 4 ppm. Since these locations are planned to be open spaces, more information about the planned type of land use for these open areas should be provided for review. Several questions arise:
  - Are the open areas for passive common uses as opposed to a resident's backyard with unrestricted rights for gardening and playgrounds?
  - Are the planned units for single family use with unrestricted rights, or are they condominiums or apartments with no rights for personal land use?
  - Do the residents have unrestricted rights for their backyard areas?

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If unrestricted use, soil stripping at these locations to a depth of 3 feet prior to the emplacement of the one foot of clean material should be considered.

- 3) Fourteen end point samples for arsenic and pesticides in open areas are an appropriate number of samples. The samples should be collected in backyard areas and other sensitive areas where children are likely to play.
- 4) A town representative should witness end point sample collection to ensure appropriate sample locations are chosen.

Please contact me at 854-2544 if you have any questions.

Yours truly,



Eric Joungblood  
Associate Public Health Sanitarian  
Office of Pollution Control

Cc: Robert Seyfarth, SCDHS  
James Meyers, SCDHS



# TOWN OF HUNTINGTON

## DEPARTMENT OF PLANNING & ENVIRONMENT

Anthony J. Aloisio, AICP, Director

Frank P Petrone, Supervisor

May 1, 2007

Suffolk County Department of Health Services  
Office of the Commissioner  
225 Rabro Drive East  
Hauppauge, New York 11788-4232

Attn.: David G. Graham, M.D., M.P.H., Acting Commissioner, or  
Mr. Robert Seyfarth, Office of Pollution Control

Re: Matinecock Court -- Site Assessment / Soil Management Plan  
n/w/c Pulaski Rd. (CR 11) and Elwood Rd. (CR 10), East Northport, SCTM # 0400-114-04-007

Gentlemen:

The Town of Huntington is appreciative of your office undertaking a guidance role in the soil management plan for the above captioned project. Attached is a copy of the Site Assessment / Soil Management Plan for the proposed development of Matinecock Court. The Site Assessment / Soil Management Plan is to be part of a Final Environmental Impact Statement [FEIS] of which SCDHS is an involved / permitting agency. The preparation and completion of the FEIS is under specific time constraints pursuant to the State Environmental Quality Review Act [SEQRA] but has not yet been accepted by the Planning Board as Lead Agency. Please review the Site Assessment / Soil Management Plan and provide this office with your written comments and/or written acceptability of the management plan at your earliest possible convenience.

If there are any questions, please contact this office.

Very truly yours,

Charles J. Mangano, Environmental Planner

for Anthony J. Aloisio, Director

CJM:cjm

Enc.

cc: Planning Board Chair, and Members of the Board  
Housing Help, Inc.  
Theresa Elkowitz, President, Freudenthal & Elkowitz Consulting Group, Inc.

END

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Date Printed: 05/01/07

# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

1757-24 Veterans Memorial Highway

Islandia, New York 11749

Tel: (631) 499-2222

Fax: (631) 499-5928

fecg@fecg.us

April 27, 2007

## VIA OVERNIGHT CARRIER

Mr. Charles J. Mangano  
Town of Huntington Planning Department  
100 Main Street  
Huntington, New York 11743

Re: Site Assessment/Soil Management Plan  
Proposed Development of Matinecock Court

Dear Mr. Mangano:

The purpose of this correspondence is to provide the Town of Huntington (hereinafter referred to as "the Town") with the Freudenthal & Elkowitz Consulting Group, Inc ("F&E") assessment of on-site soil conditions associated with reported or suspected former uses at the above-referenced property (see Figure 1). Further, this document also provides F&E's Soil Management Plan ("SMP") to address impacted soils on the subject property, at the time construction activities are commenced.

### Site Background

A Phase I Environmental Site Assessment ("ESA") was prepared for the subject property by Bienstock, Lucchesi & Associates, P.C. ("BL&A") in February 1994. According to the Phase I ESA, the site was historically utilized for agricultural purposes although there were no indications of recent cultivation activities. Based upon the results of its work, BL&A concluded:

- *"There is no obvious potential for contamination from any past or present onsite activity.*
- *... the existing hydrogeological conditions pose no significant environmental risk to this project*
- *...there is no evidence of any potential for contamination of the site from offsite facilities*
- *Based on the information found from the environmental records review, the site should not be significantly impacted negatively from any past or current offsite operation.*

- *Based on our evaluation of the available data and the results of the site visitation, we do not foresee any situation of concern (sic) from existing environmental conditions and therefore, we do not see the need to continue the audit process with a Phase II investigation and report."*

Concerns were also raised by the Town regarding potential impacts associated with the adjacent Long Island Power Authority ("LIPA") electrical substation, and the reported placement of New York City-related sanitary wastes on the subject property at some time in the past.

### **Soil Sampling Program**

On January 19, 2007, personnel from the Town, F&E and Housing Help conducted a site inspection in order to select representative sampling locations. As indicated in Figure 2, a total of 14 soil sampling locations were selected in order to assess soil conditions associated with:

- Portions of the subject property proposed for open space;
- The LIPA electrical substation; and
- General site soil conditions.

A copy of the proposed site plan is included as Plate A.

On February 2 and 5, 2007, F&E conducted the Town-required soil sampling program. Surficial (e.g., surface-to-three-inches below grade surface ["bgs"]) and subsurface (e.g., three-to-six-inches bgs, 1.0-to-1.25-foot bgs and 3.0-to-3.5-foot bgs) soil samples were collected from across the subject property utilizing decontaminated hand sampling equipment (e.g., trowels, hand auger, etc.). All of the soil samples were analyzed by York Analytical Laboratories, Inc. ("York"), a New York State Department of Health ("NYSDOH") Environmental Laboratory Accreditation Program ("ELAP")-certified laboratory. With the exception of the three-to-six-inch bgs samples, York analyzed the soil samples for Suffolk County List ("SCL") volatile organic compounds ("VOCs") by EPA Method 8260, New York State Department of Environmental Conservation ("NYSDEC") STARS semi-volatile organic compounds ("SVOCs") by EPA Method 8270, SCL metals by the EPA 6010/7471 Series, pesticides/PCBs by EPA Method 8081/8082, chlorinated herbicides by EPA Method 8151 and organophosphorus pesticides by EPA Method 8141. At the direction of the Town, the three-to-six-inch bgs soil samples were analyzed for SCL metals and SCL pesticides to ensure compliance with Suffolk County Department of Health Services ("SCDHS") protocols. The aforementioned analytical suite was selected to allow for the detection and quantification of hazardous materials and substances, which could potentially be encountered at the subject property given its history.

The Town indicated that the soil analytical results should be compared to the NYSDEC Recommended Soil Cleanup Objectives ("RSCOs") included in NYSDEC Technical Administrative Guidance Memorandum ("TAGM") 4046; *Determination of Soil Cleanup Objectives and Cleanup Levels*, revised in April 1995, and updated in 2000. However, the SCDHS has established protocols set forth in the *Draft Guidance Document SCDHS Division of Environmental Quality Procedures for Subdivisions, Developments or other Construction Projects with Potentially Contaminated Soils* (issued in draft form in February of 2006, see Attachment A)(hereinafter, the "SCDHS Guidance Document"). According to that document, pesticide and metals analytical results are to be compared to the United States Environmental Protection Agency ("USEPA") draft Soil Screening Levels ("SSL") for Residential Scenario.<sup>1</sup>

The SCDHS protocol is based on the premise that pesticide-impacted soils pose a risk to future residents through ingestion or dermal contact with same. The aforementioned mitigation measures are designed to keep residents of mitigated sites from coming into contact with impacted soils.

The following provides a summary of the soil analytical data summarized in Table 1. The original laboratory data sheets are included in Attachment B.

- No organophosphorous pesticides or chlorinated herbicides were detected above laboratory method detection limits ("MDLs") in any of the soil samples;
- The only PCB detected above MDLs was 0.34 milligrams per kilogram ("mg/kg") of Aroclor 1254 in the SB-11 surface-to-three-inch bgs soil sample. This is below the NYSDEC RSCO of 1.0 mg/kg for PCBs in surficial soil samples. It should be noted that no PCBs were detected above MDLs in the soil samples collected from adjacent to the LIPA electrical substation (i.e., SB-5, SB-6, SB-7 and SB-8);
- Dieldrin was the only SCL pesticide detected above its respective USEPA SSL (40 micrograms per kilogram ["ug/kg"]) and NYSDEC RSCO (44 ug/kg) in the on-site soil samples. Dieldrin was detected in the SB-5 3.0-to-3.5-foot bgs soil sample at 58.0 ug/kg, and the SB-6 three-to-six inch bgs sample at 93.8 ug/kg;
- Only two SCL VOCs were detected above MDLs. P-isopropyltoluene was detected in only one sample, the SB-12 surface-to-three-inch bgs sample at 18 ug/kg (the NYSDEC RSCO for this VOC is 10,000 ug/kg). Tetrachloroethene ("PCE") was detected at various depths at concentrations ranging from 10-to-200 ug/kg (the NYSDEC RSCO for PCE is 1,400 ug/kg);

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<sup>1</sup> Set forth in Appendix A of the *USEPA Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* issued draft March 2001

- NYSDEC STARS SVOCs were not detected above MDLs in the soil samples collected from SB-1, SB-2, SB-4, SB-6, SB-7, SB-8, SB-9, SB-10, SB-12, SB-13 and SB-14. Selected NYSDEC STARS SVOCs were detected at concentrations exceeding their respective RSCOs in the shallow and intermediate-depth soils collected from SB-3, all of the analyzed soil samples collected from SB-5, and the surficial soil sample collected from SB-11; and
- Arsenic was detected in contravention of its Suffolk County Action Level of 4.0 mg/kg in the majority of the soil samples collected from the site. In some cases, the arsenic attenuated to below 4.0 mg/kg with depth (i.e., SB-1, SB-2, SB-4, SB-7, SB-8, SB-9, SB-10 and SB-13). Arsenic was detected at concentrations exceeding its 4.0 Action Level throughout the soil column in the soil samples collected from SB-3, SB-5, SB-6, SB-11, SB-12 (the 1.0-to1.25-foot bgs sample contained 2.68 mg/kg of arsenic) and SB-14. Soil samples collected from SB-11 and SB-14 contained copper exceeding its NYSDEC RSCO and Eastern United States background concentration (there is no USEPA SSL designated for copper). Please note that all of the samples containing elevated concentrations of copper also contained arsenic above 4.0 mg/kg.

### **Soil Management Plan**

In accordance with recent SCDHS Guidance Document, the following protocols are acceptable for addressing impacted soils: *“Remediation measures may include removal and proper off-site disposal, with or without replacement with clean soils. Mitigation measures may include options such as: vertical mixing, where it can be demonstrated that cleaner soils are present below the surface; on-site stockpiling, e.g., in landscape berms, and revegetation at a portion of the site that will remain as undeveloped open space (i.e., buffer areas, not playgrounds or ball fields). On-site burial in excavated areas, or disposal below paving or an impervious cap may also be considered, depending on contaminant concentrations, where potential ground and surface water impacts are not issues.”* Further, although it is not included in the aforementioned protocols, it is understood that the SCDHS also allows for the emplacement of one-foot of clean material overlying impacted soils in site areas slated for development as open areas.

Based upon the vertical and lateral extent of soil impacts, as discussed above, and SCDHS protocols, the following SMP procedures will be implemented at the subject property:

#### SVOC-Impacted Soil Assessment and Remediation

The soils containing STARS SVOCs in the vicinity of the SB-3, SB-5 and SB-11 boring locations will be addressed, as follows:

- Soil samples from the surface-to-six-inches bgs, two-to-four-feet bgs and six-to-eight-feet bgs will be collected from eight soil borings in the vicinity of each of the aforementioned sampling locations to evaluate the lateral and vertical extent of impact;

- The soil samples will be analyzed for NYSDEC STARS SVOCs by EPA Method 8270;
- All soils containing SVOCs exceeding NYSDEC RSCOs will be removed and disposed of in accordance with prevailing regulations, unless otherwise pre-approved by the Town and SCDHS;
- Up to eight post-excavation endpoint samples per area will be collected and analyzed for STARS SVOCs by EPA Method 8270; and
- A Soil Remediation Summary Report will be prepared and submitted to the Town and SCDHS to document the remediation work conducted.

#### Soil Stripping

Twelve inches of soils will be stripped off of the entire subject property and stockpiled for later deposition in on-site excavations, as discussed below. This may be conducted in stages, depending on the construction sequencing at the site.

Dust suppression techniques (e.g., use of water trucks) will be utilized to minimize the potential for the fugitive migration of dust off of the site. Such activities are typically required in any construction project. In the short term, stripped and stockpiled soils will be covered with plastic sheeting to prevent dust issues. If the stockpiles are to be in place for more than a few days, same may be hydro-mulched to encourage short term vegetation growth, thus negating the need to cover the piles with plastic sheeting.

On-site construction workers will be informed of the soil conditions and be provided appropriate protective gear (e.g., gloves, long-sleeve shirts, etc.), as requested. Respiratory protection is not believed to be warranted due to the use of the aforementioned dust-suppression measures.

#### Excavation of Soil-Placement Trenches/Soil Management

Linear soil trenches will be excavated along selected property boundaries for eventual emplacement of the arsenic-impacted soils described above. The following SMP protocols will be conducted:

- An additional one-to-two feet of materials will be stripped off of the trench locations and stockpiled on the site as impacted soils;

- Several soil samples will be collected from the base of each trench and analyzed for SCL metals by the EPA 6010/7471 Series. If no metals are present in the trench bottom samples exceeding the USEPA SSLs and 4.0 mg/kg Action Level for arsenic, then the deeper soils in the trenches will be considered un-impacted and suitable for re-use on the subject property as clean cover material. Additional soil may require excavation based upon the results of the aforementioned testing;
- The clean soils from the trenches will be excavated and stockpiled on the site, away from the area of arsenic-impacted soil stockpiles;
- Appropriate soils will be removed from across the site required for the construction of on-site buildings, roadways and other impermeable surfaces. These soils will be placed in the aforementioned trenches;
- Sufficient soils will be removed to allow the emplacement of one-foot of clean materials in all on-site areas planned for development as open spaces. These soils will be placed in the aforementioned trenches;
- The final grade elevations prior to the emplacement of the clean fill in planned open spaces will be surveyed;
- The clean materials excavated from the aforementioned trenches will be utilized to provide a minimum of one-foot of clean materials overlying the underlying soils;
- Turf, or tested clean topsoil (same will be analyzed for SCL metals and pesticides), will be placed on top of the clean fill materials to allow for the growth of vegetation, as appropriate;
- The final post-emplacement elevations will be surveyed to confirm the presence of at least one-foot of clean fill in the open areas of the site;
- The stockpiled, stripped soils will be placed within the excavated trenches. Some or all of these materials may be emplaced earlier in the process to minimize the potential for dust issues;
- Some of the impacted soils may be utilized to construct perimeter berms. Any berms, or areas on top of backfilled trenches, would be covered by a one-foot-thick layer of clean materials/sod/top soil;
- The final locations and depths of emplaced impacted soils will be included in as-built drawings;

Mr. Charles J. Mangano  
Town of Huntington Planning Department

April 27, 2007  
Page 7

- Soil samples from the surface-to-12-inches bgs will be collected from 14 on-site open area locations and analyzed for SCL metals and SCL pesticides to confirm the successful implementation of the SMP; and
- A Closure Report will be prepared and submitted to the Town (with a copy provided to the SCDHS) summarizing the results of the SMP.

A site grading plan is currently under development for the subject property. The site soils will be "balanced" such that the appropriate amount of trenches are excavated to provide for the required clean fill materials, as well as to determine the amount of soil berms which will be required for the placement of the impacted soils. A copy of the grading plan will be submitted to the Town for review and approval prior to implementing the SMP.

Thank you in advance for your review of this document. Please feel free to contact either of the undersigned with any questions you may have.

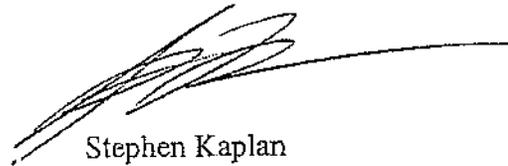
Please feel free to call either of the undersigned with any questions you may have.

Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.



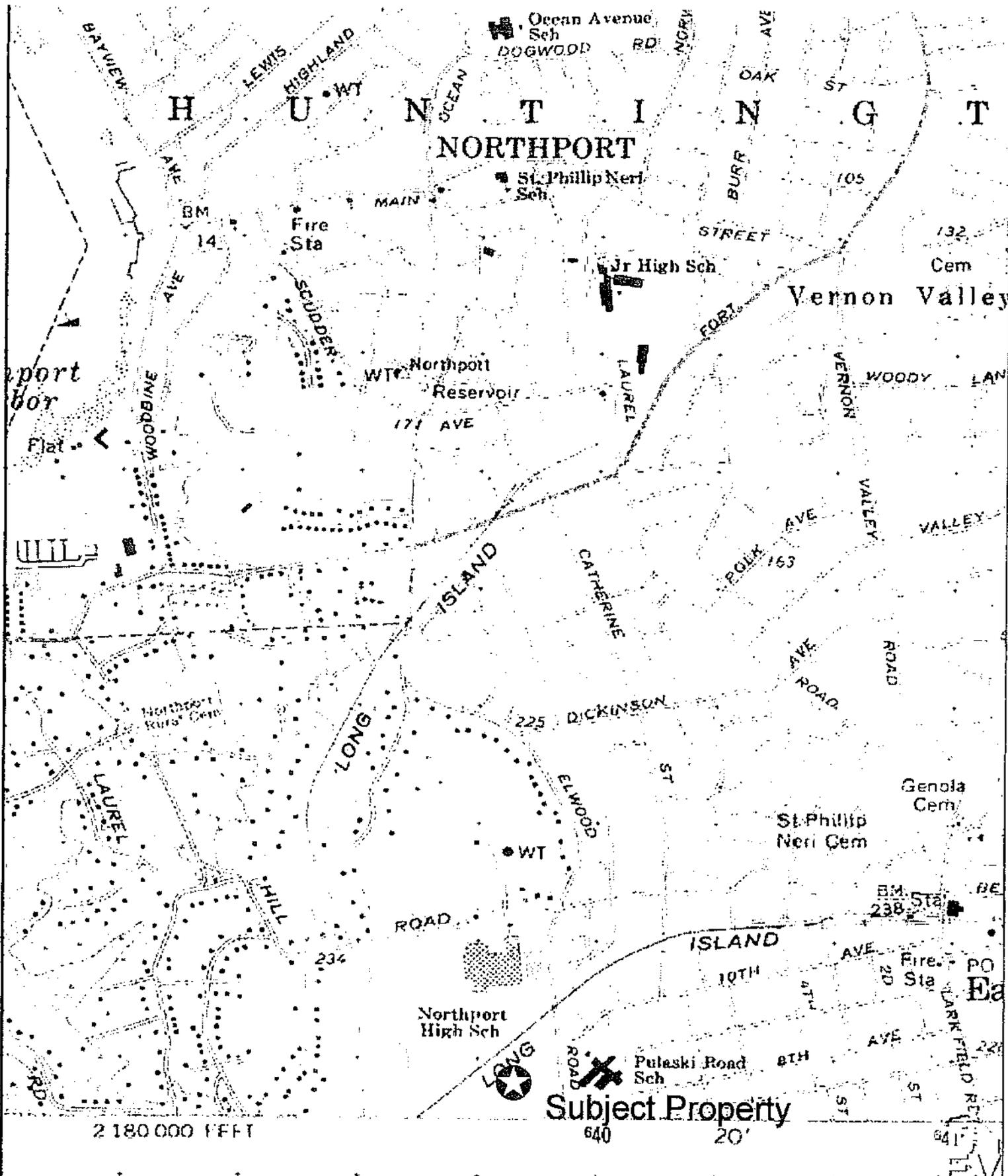
Richard J. Baldwin, CPG  
Vice President, Environmental Services



Stephen Kaplan  
Director of Environmental Services

RJB/SK/th  
enc.

cc: S. Lagville, Housing Help  
R. Seyfarth, SCDHS  
B. Maniello



Name: NORTHPORT  
 Date: 4/24/107  
 Scale: 1 Inch equals 1111 feet

Location: 040° 53' 23 1" N 073° 20' 27 4" W  
 Caption: Figure 1L, Site Location Map

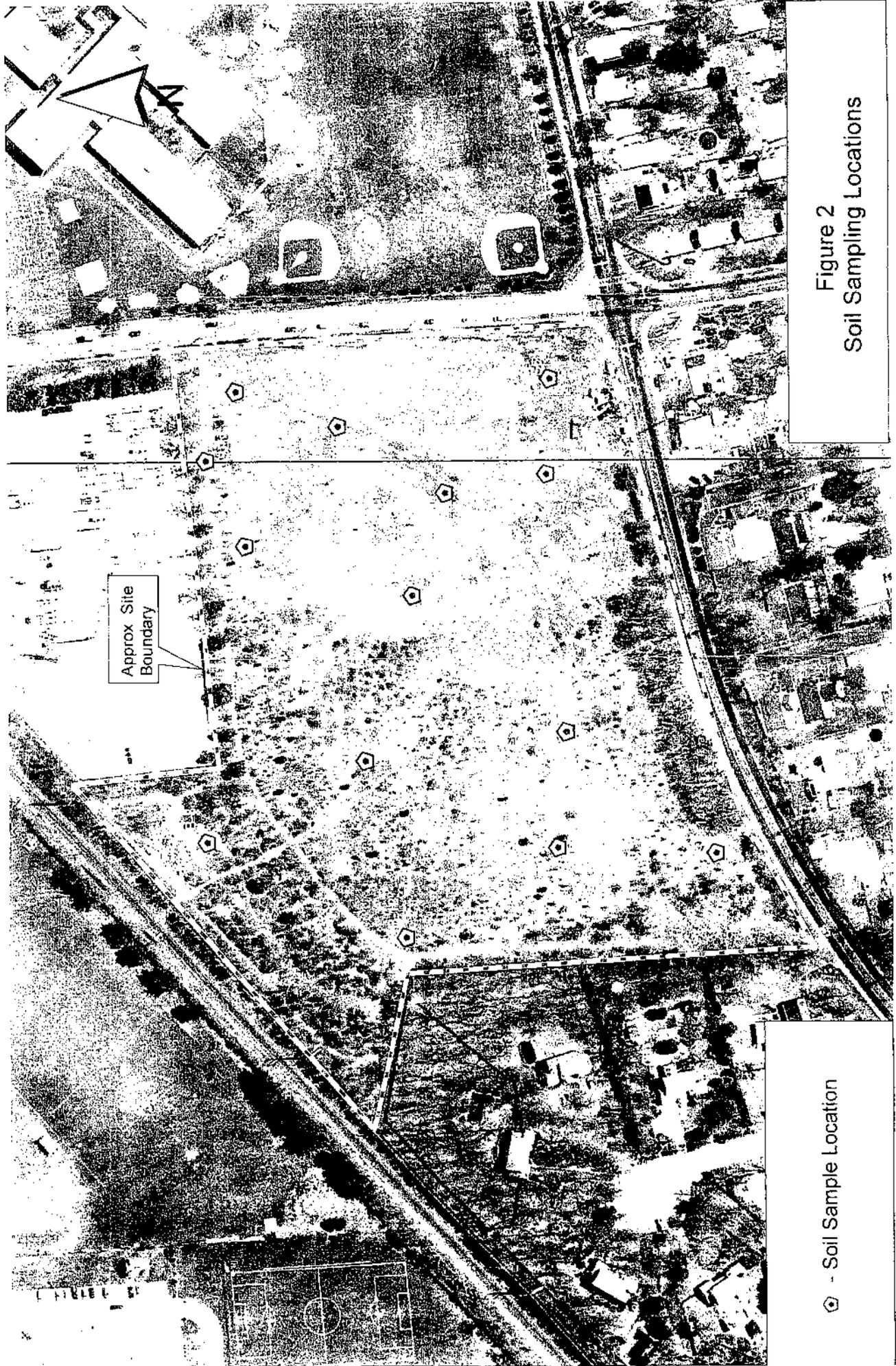


Figure 2  
Soil Sampling Locations

⬠ - Soil Sample Location

Table 1

Summary of Analytical Data for Agricultural Soil Samples

SCL Analytes (ug/kg)	Soil Sample Identifiers												NYSDEC TAGM/RSCO	USEPA SSL	
	SB-1			SB-2			SB-3			SB-4					
	0 to 3"	3 to 6"	6 to 12"	0 to 3"	3 to 6"	6 to 12"	0 to 3"	3 to 6"	6 to 12"	0 to 3"	3 to 6"	6 to 12"	0 to 3"	3 to 6"	6 to 12"
4,4'-DDD	103	192	ND	ND	67.4	60.3	21.9	18.4	34.0	50.3	42.4	27.6	ND	ND	ND
4,4'-DDE	240	377	53.3	ND	176	193	34.0	24.0	53.0	48.5	21.9	175	63.1	ND	ND
4,4'-DDT	245	394	69.3	ND	237	256	ND	54.8	86.9	308	42.1	345	117	ND	ND
Chlordane	ND	ND	ND	ND	ND	ND	11.5	12.1	139	ND	74.2	63.1	ND	ND	ND
Dieldrin	13.6	18.4	3.79	ND	10.7	12.8	9.62	20.1	13.8	30.0	17.5	14.8	5.09	ND	40
Organophosphorus Pesticides (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 3.5'	0 to 3"	3 to 3.5'	1 to 1.25'	3 to 3.5'	3 to 3.5'
All Analytes	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
STARS SVOCs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 3.5'	0 to 3"	3 to 3.5'	1 to 1.25'	3 to 3.5'	3 to 3.5'
All Analytes	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Benzo(a)anthracene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Benzo(b)fluoranthene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Benzo(k)fluoranthene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Chrysene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Fluoranthene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Phenanthrene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Pyrene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Chlorinated Herbicides (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 3.5'	0 to 3"	3 to 3.5'	1 to 1.25'	3 to 3.5'	3 to 3.5'
All Analytes	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
PCBs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 3.5'	0 to 3"	3 to 3.5'	1 to 1.25'	3 to 3.5'	3 to 3.5'
PCB 1254	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
SVOCs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 3.5'	0 to 3"	3 to 3.5'	1 to 1.25'	3 to 3.5'	3 to 3.5'
p-Isopropyltoluene	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	NA	ND	ND	NA
Tetrachloroethene	150	NA	11	ND	11	NA	ND	NA	ND	ND	200	NA	10	43	12,000
SCM Metals (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 3.5'	0 to 3"	3 to 3.5'	1 to 1.25'	3 to 3.5'	3 to 3.5'
Arsenic	16.7	20.0	6.85	0.83	12.1	9.04	1.00	8.19	7.11	8.90	26.3	25.2	9.10	1.34	4.0*
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70
Chromium	11.6	13.1	9.84	1.94	11.0	11.0	3.41	9.81	9.34	8.83	18.1	17.0	15.3	2.50	250
Copper	29.4	34.1	11.0	3.09	21.5	15.5	5.19	28.6	21.7	18.1	43.4	40.5	34.7	50	NA**
Lead	47.2	39.4	9.30	1.76	22.1	11.6	3.65	37.1	76.8	53.6	39.8	28.8	11.8	1.86	400
Nickel	7.78	8.14	5.99	1.81	7.53	7.70	3.34	8.41	7.64	6.43	10.1	9.86	10.5	2.38	1,600

SCDHS Soil Screening Action Level - Draft Guidance Document SCDHS Division of Environmental Quality  
 Procedures for Subdivisions, Developments or other Construction Projects with Potentially Contaminated Soils - 4/23/03  
 USEPA SSLs for Residential Scenario - Soil Screening Levels - Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites - March 2001  
 \* The SCDHS has designated a 4.0 ug/kg threshold for arsenic  
 \*\* USEPA SSL not available, therefore, NYSDEC Recommended Soil Cleanup Objective was utilized  
 ND - Not Detected  
 NA - Not Available/Not Analyzed



Table 1

Summary of Analytical Data for Agricultural Soil Samples

Contaminant	Soil Sample Identifiers												NYSDEC TAGM RSCO	USEPA SSL		
	SB-9			SB-10			SB-11			SB-12						
	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
SCL Pesticides (ug/kg)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	338	409	107	ND	203	175	106	231	68.8	310	310	318	317	505	40.5	188
4,4'-DDT	356	431	108	ND	223	175	107	212	135	242	607	49.1	295	508	37.3	175
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	7.42	10.3	ND	ND	ND	5.48	3.72	ND	ND	ND	18.2	ND	8.01	13.4	ND	6.40
Organophosphorus Pesticides (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
All Analytes	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
STARs SVOCs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
Anthracene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Benzo(a)anthracene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Benzo(a)pyrene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Benzo(b)fluoranthene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Benzo(k)fluoranthene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Chrysene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Fluoranthene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Phenanthrene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Pyrene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Chlorinated Herbicides (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
All Analytes	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
PCBs (mg/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
PCB 1254	ND	NA	ND	ND	ND	NA	ND	ND	0.34	NA	ND	ND	ND	NA	ND	ND
SCL VOCs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
p-Isopropyltoluene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND
Tetrachloroethene	15	NA	11	ND	ND	NA	ND	ND	ND	NA	11	ND	ND	NA	ND	ND
SCL Metals (mg/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'
Arsenic	30.8	37.4	13.6	2.38	16.7	20.5	6.11	26.8	26.6	24.5	28.5	8.23	19.4	23.8	2.68	8.19
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	0.62	0.51	ND	ND	ND	ND	ND	ND
Chromium	18.1	21.2	10.2	2.49	12.2	13.9	5.14	3.05	23.7	21.6	19.6	7.3	14.8	17.9	4.06	10.7
Copper	39.7	47.8	20.3	5.63	23.1	26.1	10.1	5.09	73.9	62.7	46.9	11.8	25.2	29.6	5.32	12.1
Lead	23.5	27.1	9.89	2.71	18.1	20.2	5.34	2.68	149	132	37.8	11.1	16.7	18.6	3.08	7.27
Nickel	10.4	11.5	7.72	3.04	7.69	8.05	4.23	3.34	19.5	17.0	33.3	6.46	8.85	9.91	3.35	7.87

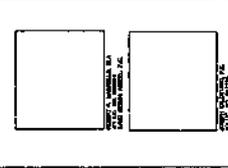
SCDHS Soil Screening Action Level - Draft Guidance Document SCDHS Division of Environmental Quality Procedures for Subdivisions, Developments or other Construction Projects with Potentially Contaminated Soils - 4/23/03  
 USEPA SSLs for Residential Scenario - Soil Screening Levels - Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites- March 2001  
 \* The SCDHS has designated a 4.0 mg/kg threshold for arsenic  
 \*\* USEPA SSL not available, therefore, NYSDEC Recommended Soil Cleanup Objective was utilized  
 ND - Not Detected  
 NA - Not Available/Not Analyzed  
 \*\*\* - NYSDEC RSCO / Eastern United States Background Concentration  
 SCL Metals and SCL Pesticides compared to ISHFA SSL for Residential Scenario

Table 1

Summary of Analytical Data for Agricultural Soil Samples

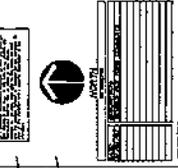
SCL Pesticides (ug/tel)	Soil Sample Identifiers										NYSDEC TAGM RSCO	USEPA SSL		
	SB-13					SB-14								
	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'		
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,900	1,000
4,4'-DDE	466	625	765	38.1	744	546	293	79.2	2,100	2,000	2,100	2,000	2,100	2,000
4,4'-DDT	361	536	62.4	31.3	692	505	266	61.2	2,000	2,000	2,000	2,000	2,000	2,000
Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	540	40
Dieldrin	7.73	11.3	ND	ND	24.7	16.9	12.0	ND	44	44	44	44	44	40
Organophosphorus Pesticides (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	NYSDEC TAGM RSCO	USEPA SSL
All Analytes	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	NA
STARS SVOCs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	NYSDEC TAGM RSCO	USEPA SSL
Atrazine	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	50,000	17,000,000
Benzo(a)anthracene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	224 or MDL	600
Benzo(a)pyrene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	61 or MDL	60
Benzo(b)fluoranthene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	61 or MDL	600
Benzo(k)fluoranthene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	61 or MDL	6,000
Chrysene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	400	62,000
Fluoranthene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	50,000	3,300,000
Phenanthrene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	50,000	NA**
Pyrene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	50,000	1,700,000
Chlorinated Herbicides (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	NYSDEC TAGM RSCO	USEPA SSL
All Analytes	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	NA	NA
PCBs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	NYSDEC TAGM RSCO	USEPA SSL
PCB 284	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	1,000	NA**
SCL VOCs (ug/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	NYSDEC TAGM RSCO	USEPA SSL
p-Isopropyltoluene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	10,000	NA**
Tetrachloroethene	ND	NA	ND	ND	ND	NA	ND	ND	ND	NA	ND	ND	1,400	12,000
SCL Metals (mg/kg)	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	0 to 3"	3 to 6"	1 to 1.25'	3 to 3.5'	NYSDEC TAGM RSCO	USEPA SSL
Arsenic	31.1	30.2	4.04	2.58	29.0	34.7	20.5	7.25	7.5 or SB	4.0*	4.0*	4.0*	7.5 or SB	4.0*
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	10	70	10	70	10	70
Chromium	20.5	18.1	7.16	3.16	17.3	21.8	16.8	13.1	50	230	50	230	50	230
Copper	40.0	39.4	7.21	4.96	43.1	52.1	30.3	13.1	2.5 / 50***	NA**	2.5 / 50***	13.1	400	400
Lead	24.5	22.8	3.45	2.31	25.2	30.6	18.4	7.44	13 or SB	1,600	13 or SB	7.44	400	400
Nickel	11.2	10.8	3.99	2.24	9.81	12.3	10.5	8.31	13 or SB	1,600	13 or SB	8.31	1,600	1,600

SCDHS Soil Screening Action Level - Draft Guidance Document SCDHS Division of Environmental Quality  
 Procedures for Subdivisions, Developments or other Construction Projects with Potentially Contaminated Soils - 4/23/07  
 USEPA SSLs for Residential Scenario - Soil Screening Levels - Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites- March 2001  
 \* The SCDHS has designated a 40 mg/kg threshold for arsenic  
 \*\* USEPA SSL not available, therefore, NYSDEC Recommended Soil Cleanup Objective was utilized  
 ND - Not Detected  
 NA - Not Available/Not Analyzed  
 \*\*\* - NYSDEC RSCO / Eastern United States Background Concentration  
 SCL Metals and SCL Pesticides compared to USEPA SSL for Residential Scenario



TAX MAP NO. 9402-114-1-7

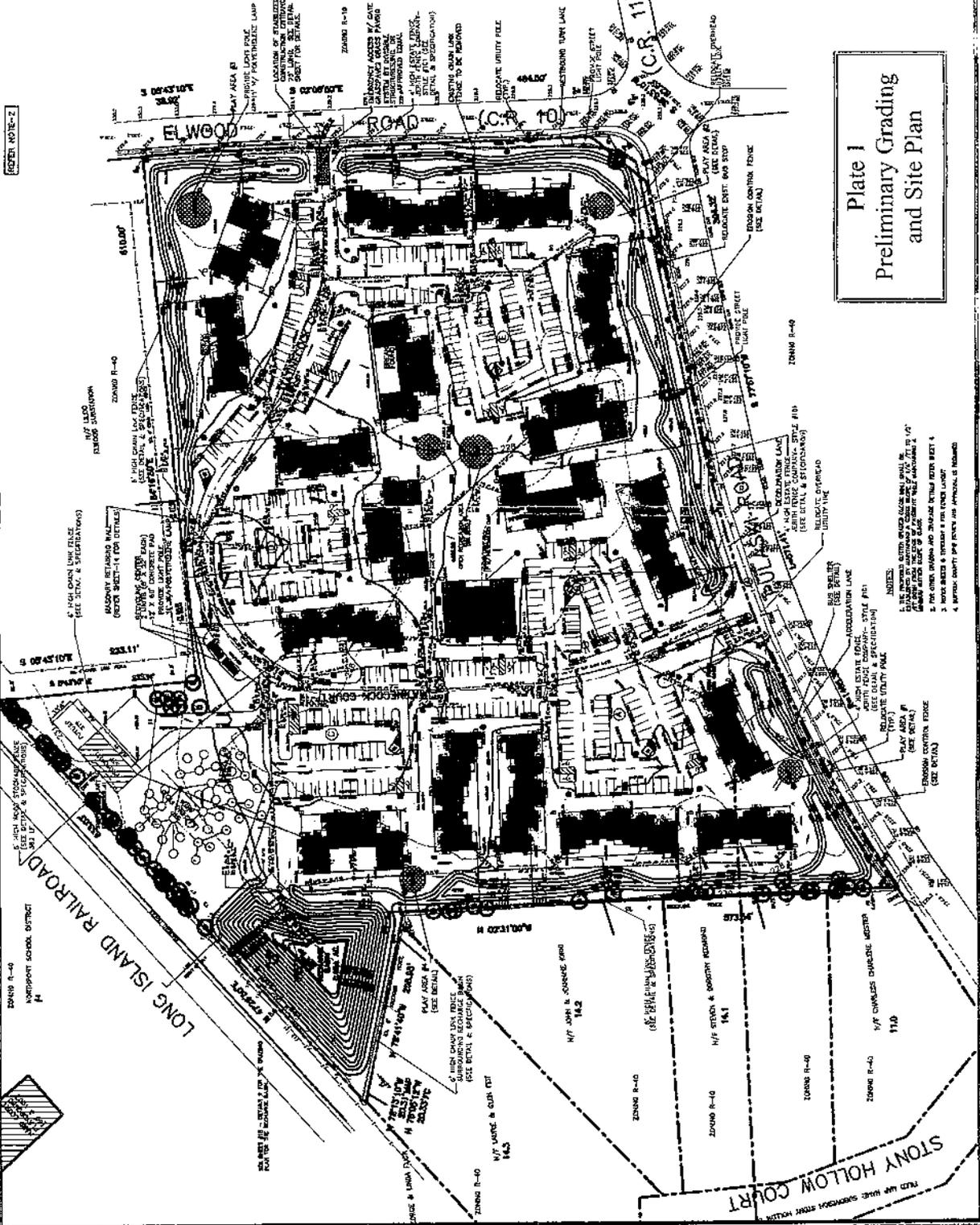
CITY OF ELWOOD



MATINECOCK COURT

GRADING AND DRAINAGE PLAN 1

DATE	NO.
11/15/23	1
12/15/23	2
01/15/24	3
02/15/24	4
03/15/24	5
04/15/24	6
05/15/24	7
06/15/24	8
07/15/24	9
08/15/24	10
09/15/24	11
10/15/24	12
11/15/24	13
12/15/24	14
01/15/25	15



# Plate 1 Preliminary Grading and Site Plan

- NOTES:
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
  2. THE OTHER DIMENSIONS AND DIMENSIONS OF THIS SHEET ARE AS SHOWN ON THE PLAN.
  3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
  4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

GENERAL NOTES

LONG ISLAND RAILROAD

STONY HOLLOW COURT

ATTACHMENT A

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES  
DIVISION OF ENVIRONMENTAL QUALITY

PROCEDURES FOR MUNICIPALITIES TO EVALUATE THE NEED FOR SOIL  
SAMPLING AND SOIL MANAGEMENT AT SUBDIVISIONS OR OTHER  
CONSTRUCTION PROJECTS WITH POTENTIALLY CONTAMINATED SOILS  
(Draft February 2006)

1.0 Background & Purpose

Over the past few years, municipal planning agencies have referred proposed residential and commercial/industrial construction projects that may contain potentially contaminated soils to the Suffolk County Department of Health Services (SCDHS) for review and approval. Although not required by the sanitary code, SCDHS reviewed the projects as a courtesy to the municipality, but will no longer be able to provide this service. This document has been generated, with input from the New York State Department of Health, to provide guidance to municipalities for reviewing soil sampling plans, evaluating soil sample results and approving Soil Management Plans (SMP) if they are deemed necessary. Sampling and analysis protocols, soil screening levels, and remedial strategies are included in this guidance document.

2.0 Applicability

Determinations of applicability of this document should be based on the historic use of the parcel of land, on actual soil sample data, and/or on any other factors that the municipality deems relevant to the likelihood that residual contamination is present in soils on the tract. This document applies only to direct exposure pathways, such as dermal exposure, ingestion and inhalation. At present the county uses New York State Department of Environmental Conservation's Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046 to evaluate the potential for volatile organic compounds (VOCs) to contaminate the groundwater.

This guidance document applies only to tracts of land with non-hazardous soils, which are defined as soils that do not contain hazardous wastes or substances, as defined by 6 NYCRR Part 371.1(d) or other relevant New York State codes. Data on sites that prove to contain hazardous soils or that may be sources of groundwater contamination should be referred to the New York State Department of Environmental Conservation or other appropriate agency for regulatory action.

3.0 Sampling Surveys

If soil evaluation is required by a municipality, based on historical use of the site, the owner of a realty subdivision or other development project should conduct a sampling program of surface and/or subsurface soils on the subject tract in conformance with Appendix B of this document. Appendix B provides guidance on the development of a soil sampling plan including the recommended number of sampling locations, based on past and future use, sample collection protocols, and sample analysis protocols.

The soil sampling plan should normally consist of collection of soils at each subdivision lot, and any locations known or suspected to be chemical mixing areas, chemical disposal or

spill areas, greenhouses, barns, drainage structures, floor drains, leaching pools, or runoff sites including sumps or swales, or areas of disturbed vegetation. Reduced sampling may be appropriate at sites consisting wholly of prior uniform use (e.g., a single agricultural field), and may be sampled at fewer representative locations. Said samples should be collected from the low point on the subdivided parcel (or subdivision lot), or from any other location that is likely to be the settling point for fine-grained sediments, and/or proposed rear yard area of lots within residential subdivisions.

#### A. Sampling Protocols

Soil samples should be collected in accordance with New York State Department of Health (NYSDOH) protocols and analyzed at an Environmental Laboratory Approval Program (ELAP), or National Environmental Laboratory Approval Program (NELAP) approved laboratory. Composite samples from multiple locations and/or depths should not be used. Appropriate sample collection procedures and containers should be obtained from the laboratory performing the analyses. The analytical results should be reported on a dry weight basis.

It is recommended that at least 2 sets of soil samples be taken from each collection point; the first from the surface to a depth of two to three inches, and a second sample from a depth of three to six inches. Deeper samples may also be warranted at some sites. Analysis of the surface sample should be reviewed to determine the need for a SMP using the EPA Soil Screening levels (SSLs) provided in Appendix A. Analysis of the deeper samples can be delayed until the need for a SMP is determined. These samples can provide additional information that may be necessary in evaluating the SMP strategies.

#### B. Laboratory Analysis Protocols

All analyses should be conducted by a laboratory that is certified for the required analytical methods through either ELAP or NELAP programs. Results should be reported on a dry weight basis. At a minimum, it is recommended that soils from former agricultural sites be analyzed for metals and chlorinated pesticides. Analyses for chlorophenoxy acid, organophosphate, or other pesticides and chemicals should be considered based on site-specific conditions. At a minimum, the following analytes should be required for soils at former agricultural sites:

##### Metals

arsenic  
beryllium  
cadmium  
chromium  
copper  
lead  
mercury  
nickel  
silver

##### Chlorinated Pesticides

aldrin  
alpha-BHC  
beta-BHC  
gamma-BHC  
chlordane  
4,4-DDD  
4,4-DDE  
4,4-DDT  
dieldrin  
endosulfan I & II  
endosulfan sulfate  
endrin  
endrin aldehyde  
heptachlor  
heptachlor epoxide  
methoxychlor  
toxaphene

### C. Soil Screening Levels

The need to develop a soil management plan should be based on USEPA generic soil screening levels (SSLs contained in Appendix A) for residential, commercial / industrial scenarios or other relevant screening levels. The attached SSLs are taken from Appendix A of USEPA Document OSWER 9355.4-24 March 2001 (page 100) available on the Web at: <http://www.epa.gov/superfund/resources/soil/ssgmarch01.pdf>

Most SSLs are attainable on Long Island, but it is important to note that typical background levels of arsenic in non-agricultural soils in Suffolk County range from <1-4 ppm and may exceed the EPA SSL (unpublished SCDHS data and Sanok et al, 1995). Therefore, to account for natural or background arsenic concentrations in Suffolk County soils, it is recommended that a soil screening action level of 4 ppm be applied. (This level corresponds to a cancer risk of 1/100,000 according to the USEPA Generic SSL guidance document)

### D. Soil Management Plan

When a surficial soil sample or samples exceed an applicable SSL, analysis should be performed of the deeper samples to determine the vertical extent of the contamination. Based on these analyses, a soil management plan (SMP) that addresses the areas of elevated contamination should be developed and submitted to the municipality for review and approval. An SMP should be designed to minimize or prevent dermal contact, ingestion, or inhalation of contaminated soils by future site residents or workers, and be protective of ground and surface waters. An SMP should mitigate contamination so as to achieve SSLs, or get as close to SSLs as practicable.

The SMP should be based upon contaminant concentrations detected in surficial and deeper samples and may include the collection and analysis of additional samples. Mitigation measures may include options such as: removal and proper off-site disposal of contaminated soils, vertical mixing, where it can be demonstrated that cleaner soils are present below the surface; on-site stockpiling, e.g., in landscape berms, and revegetation at a portion of the site that will remain as undeveloped open space (i.e., buffer areas, not playgrounds or ball fields). On-site burial in excavated areas, or disposal below paving or an impervious cap may also be considered, depending on contaminant concentrations, where potential groundwater and surface water impacts are not issues. Post remediation (end point) samples should be included as part of the SMP to demonstrate adequate reductions in soil concentrations.

### E. Confirmatory End Point Samples

Post remediation/management samples should be collected in approximately the same locations as the initial elevated samples for contaminants of concern. Such samples should be collected and analyzed as specified in Sections A and B, above, or as specified in the approved SMP. Depending on initial contaminant concentrations, it may be possible to limit post SMP analysis to the specific contaminants identified in the initial sampling. Sampling of any soils to be brought onto the site may also be prudent to ensure the quality of the fill material.

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**APPENDIX A**

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**GENERIC SSLs FOR THE RESIDENTIAL AND  
COMMERCIAL/INDUSTRIAL SCENARIOS**

This appendix provides generic SSLs for 109 chemicals under residential and non-residential (i.e., commercial/industrial) exposure scenarios. Exhibit A-1 presents updated generic SSLs for the residential exposure scenario. The generic SSLs for three of the pathways in this exhibit — inhalation of volatiles in outdoor air, inhalation of fugitive dust, and migration to ground water — were calculated using the same equations and default values for exposure assumptions found in the 1996 SSG (and reproduced in Appendix B of this document). However, they incorporate updated values for dispersion factors, for toxicity, and for other chemical-specific parameters presented in Appendix C. The exhibit also presents new SSLs for concurrent exposures via soil ingestion and dermal absorption that are based, in part, on a new quantitative approach for evaluating dermal absorption. SSLs for combined direct ingestion and dermal absorption exposures to contaminants were calculated according to the method described in Section 3.2.1 of this document. The generic residential SSLs in Exhibit A-1 supersede those published in the 1996 SSG.

Exhibits A-2 and A-3 present commercial/industrial SSLs for the outdoor worker and indoor worker receptors, respectively. These SSLs have been calculated using the equations and the default values for exposure assumptions and other input parameters presented in Section 4.2.3 of this guidance document. All generic SSLs presented in this appendix, both residential and commercial/industrial, are rounded to two significant figures, with the exception of values less than 10 mg/kg, which are rounded to one significant figure.

As noted above, the values in this Appendix are based on chemical-specific physical and toxicological parameters presented in Appendix C. The values in Appendix C represent the most recent values available and are current as of the date of publication of this guidance. However, physical/chemical and toxicological data are subject to revision and should therefore be confirmed before referencing screening levels in the following tables. Trichloroethylene, in particular, is based on a draft risk assessment, and because the document is still undergoing review, the health benchmark values should be considered provisional.

EPA does not present generic SSLs for the construction exposure scenario because the complexity and variability of exposure conditions for construction activities precludes the development of such values. For information on developing SSLs for exposures during construction activities, users should refer to Chapter 5 or Appendix E of the guidance document.

The generic residential and non-residential SSLs are not necessarily protective of all known human exposure pathways or ecological threats. Before applying SSLs, it is therefore necessary to compare the conceptual site model (developed in Step 1 of the soil screening process) with the assumptions underlying the generic SSLs to ensure that site conditions and exposure pathways are consistent with these assumptions (See Exhibit A-4.) If this comparison indicates that the site is more complex than the generic SSL scenario, or that there are significant exposure pathways not accounted for by the SSL scenario, then generic SSLs alone are not sufficient to evaluate the site, and additional, more detailed site-specific investigation is necessary.

In each exhibit, the first column presents SSLs based on the combined soil ingestion and dermal absorption exposure pathway. When data on dermal absorption from soil are unavailable, these SSLs are based on ingestion exposures only. SSLs for this pathway may be updated in the future as dermal absorption data become available for other contaminants.

The second column in Exhibits A-1 and A-2 presents SSLs for the outdoor inhalation of volatiles pathway. Although residential receptors and indoor workers are potentially exposed to volatiles in indoor air as well, EPA has not calculated generic SSLs for migration of volatiles into indoor air because it is very difficult to identify suitable standardized default values for inputs such as dimensions of commercial buildings and the distance between contamination and a building's foundation. EPA provides spreadsheet models that can be used to calculate SSLs for this pathway using the simple site-specific or detailed site-specific approaches.<sup>3</sup> The third column in Exhibit A-1 and A-2 lists SSLs for the inhalation of fugitive dusts pathway. Because inhalation of fugitive dust is typically not a concern for organic compounds, SSLs for this pathway are presented only for inorganic compounds, which are listed at the end of each exhibit. Conversely, with the exception of mercury, no SSLs for the inhalation of volatiles pathway are provided for inorganic compounds because these chemicals exhibit extremely low volatility.

The user should note that several of the generic SSLs for the inhalation of volatiles pathway are determined by the chemical-specific soil saturation limit ( $C_{ms}$ ) which is used to screen for the presence of non-aqueous phase liquids (NAPLs). As indicated in Section 4.2.3, in situations where the residual concentration of a compound that is a liquid at ambient soil temperature exceeds  $C_{ms}$ , the compound may exist as free-phase liquid (see Exhibit C-3 in Appendix C for a list of those compounds present in liquid phase at typical ambient soil temperatures). In these cases, further investigation will be required.

The final two columns in Exhibits A-1 through A-3 present generic SSLs for the migration to ground water pathway. The generic commercial/industrial SSLs for this pathway are the same as those for residential use and are unchanged from the 1996 SSG. As discussed in Section 4.2.3, this approach protects potential potable ground water resources that may be present beneath sites with commercial/industrial uses and protects off-site residents who may ingest ground water contaminated by the site. The migration to ground water SSLs are back-calculated from an acceptable target soil leachate concentration using a dilution-attenuation factor (DAF). The first of the two columns of SSLs for this pathway presents levels calculated using a DAF of 20 to account for reductions in contaminant concentration due to natural processes occurring in the subsurface. The second column presents SSL values for the migration to ground water pathway calculated assuming a DAF of one (i.e., no dilution or attenuation between the source and the receptor well). These levels should be used at sites where little or no dilution or attenuation of soil leachate concentrations is expected; this will be the case at sites with characteristics such as shallow water tables, fractured media, karst topography, or source size greater than 30 acres.

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<sup>3</sup> The vapor intrusion spreadsheets can be found on EPA's web site at [http://www.epa.gov/superfund/programs/risk/airmodel/johnson\\_ettinger.htm](http://www.epa.gov/superfund/programs/risk/airmodel/johnson_ettinger.htm).

After all possible SSLs for all potential receptors at a site have been identified from the tables in Exhibits A-1 through A-3, the site manager should select the lowest applicable SSL for each exposure pathway to be used for comparison to site contaminant concentrations in soil. Generally, where the relevant SSL for a given pathway of concern is not exceeded, the user may eliminate the pathway from further investigation. If all pathways of concern are eliminated for an area of the site based on comparison with residential SSLs, that area can be eliminated from further investigation. However, if commercial/industrial SSLs are used in soil screening evaluations, elimination of an area from further consideration is contingent on an analysis of institutional control options. Users should consult Section 4.3.2 of the guidance document for more information.

The final exhibit in this appendix (Exhibit A-4) presents the default values for physical site characteristics that are used in calculating SSLs (both residential and commercial/industrial) for the inhalation and migration to ground water pathways. These values describe the nature of the contaminant source area, the characteristics of site soil, meteorologic conditions, and hydrogeologic characteristics, and serve either as direct input parameters for SSL equations or as assumptions for developing input parameters for the equations.

This appendix does not include SSLs for lead, dioxin, or PCBs, because EPA has issued separate documents that specify risk-based concentrations for these contaminants in soil. For guidance on addressing soil contaminated with lead, dioxin, or PCBs, please refer to the following sources:

Lead:

- .. U.S. EPA, 1994. *Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities*, EPA/540/F-94/043, Office of Solid Waste and Emergency Response, Washington, D.C. Directive 9355.4-12.
- .. U.S. EPA, 1996. *Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil*, Technical Review Workgroup for Lead (TRW), Washington, D.C.
- .. US EPA, 1999. *Frequently Asked Questions on the Adult Lead Model: Guidance Document*. Technical Review Workgroup for Lead (TRW), Washington, D.C.  
<http://www.epa.gov/oerrpage/superfund/programs/lead/adfaqs.htm>

PCBs:

- .. US EPA, 1990. *Guidance on Remedial Actions for Superfund Sites with PCB Contamination*. Office of Solid Waste and Emergency Response, Washington, D C. NTIS PB91-921206CDH. (Currently being updated by the EPA PCB work group.)

Dioxin:

- .. U.S. EPA. 1998. *Approach for Addressing Dioxin in Soil at CERCLA and RCRA Sites*. OSWER Directive 9200.4-26.
- .. U.S. EPA. 2000. *Draft Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD) and Related Compounds*. Office of Research and Development, Washington, D C. EPA/600/P-00/001Bg. September.

### Analysis of Effects of Source Size on Generic SSLs

The generic SSLs presented have been developed assuming an infinite source and a 0.5 acre source size. For an analysis of the sensitivity of generic SSLs to changes in source size and the depths to which infinite source SSLs are protective at larger sites, please refer to Attachment A and Table A-3 in the *Technical Background Document* of the 1996 SSG. Additional detail is also provided in the guidance documents specifically addressing screening levels for soils contaminated with lead, dioxin, or PCBs (listed above).

Exhibit A-1

GENERIC SSLs FOR RESIDENTIAL SCENARIO\*

Compound	CAS No.	Ingestion-Dermal (mg/kg)	Inhalation of Volatiles (mg/kg)	Inhalation of Fugitive Particulates (mg/kg)	Migration to Ground Water	
					DAF=20 (mg/kg)	DAF=1 (mg/kg)
<i>Organics</i>						
Acenaphthene	83-32-9	3,400 <sup>a</sup>	— <sup>c</sup>	—	570 <sup>b</sup>	29 <sup>b</sup>
Acetone (2-Propanone)	67-54-1	7,800 <sup>d,e</sup>	— <sup>c</sup>	—	16 <sup>b</sup>	0.8 <sup>b</sup>
Aldrin	309-00-2	0.04 <sup>e,f</sup>	3 <sup>g</sup>	—	0.5 <sup>b</sup>	0.02 <sup>b</sup>
Anthracene	120-12-7	17,000 <sup>b</sup>	— <sup>c</sup>	—	12,000 <sup>b</sup>	590 <sup>b</sup>
Benzo(a)anthracene	56-55-3	0.6 <sup>a</sup>	— <sup>c</sup>	—	2 <sup>e</sup>	0.08 <sup>f</sup>
Benzene	71-43-2	12 <sup>e,g</sup>	0.8 <sup>h</sup>	—	0.03 <sup>i</sup>	0.002 <sup>j</sup>
Benzo(b)fluoranthene	205-99-2	0.6 <sup>a</sup>	— <sup>c</sup>	—	5 <sup>b</sup>	0.2 <sup>e,f</sup>
Benzo(k)fluoranthene	207-08-9	6 <sup>a</sup>	— <sup>c</sup>	—	49 <sup>b</sup>	2 <sup>b</sup>
Benzoic acid	65-85-0	310,000 <sup>d,e</sup>	— <sup>c</sup>	—	400 <sup>b,k</sup>	20 <sup>b,k</sup>
Benzo(a)pyrene	50-32-8	0.06 <sup>f</sup>	— <sup>c</sup>	—	8 <sup>b</sup>	0.4 <sup>e</sup>
Bis(2-chloroethyl)ether	111-44-4	0.4 <sup>a</sup>	0.2 <sup>e,f</sup>	—	0.0004 <sup>e,f</sup>	0.00002 <sup>e,f</sup>
Bis(2-ethylhexyl)phthalate	117-61-7	35 <sup>a</sup>	— <sup>c</sup>	—	3,600 <sup>b</sup>	180 <sup>b</sup>
Bromodichloromethane	75-27-4	10 <sup>e,f</sup>	— <sup>c</sup>	—	0.6 <sup>b</sup>	0.03 <sup>b</sup>
Bromoform (tribromomethane)	75-25-2	81 <sup>e,f</sup>	52 <sup>g</sup>	—	0.8 <sup>b</sup>	0.04 <sup>b</sup>
Bulanol	71-36-3	7,800 <sup>d,e</sup>	— <sup>c</sup>	—	17 <sup>b</sup>	0.9 <sup>b</sup>
Butyl benzyl phthalate	85-68-7	12,000 <sup>b</sup>	— <sup>c</sup>	—	930 <sup>b</sup>	810 <sup>b</sup>
Carbazole	86-74-6	24 <sup>b</sup>	— <sup>c</sup>	—	0.6 <sup>b</sup>	0.03 <sup>e,f</sup>
Carbon disulfide	76-15-0	7,800 <sup>d,e</sup>	720 <sup>g</sup>	—	32 <sup>b</sup>	2 <sup>b</sup>
Carbon tetrachloride	56-23-5	5 <sup>e,h</sup>	0.3 <sup>g</sup>	—	0.07 <sup>b</sup>	0.003 <sup>i</sup>
Chlordane	57-74-9	2 <sup>b</sup>	72 <sup>g</sup>	—	10 <sup>b</sup>	0.5 <sup>b</sup>
p-Chloroaniline	106-47-8	240 <sup>b</sup>	— <sup>c</sup>	—	0.7 <sup>b</sup>	0.03 <sup>e,f</sup>
Chlorobenzene	108-90-7	1,600 <sup>d,e</sup>	380 <sup>g</sup>	—	1 <sup>b</sup>	0.07 <sup>b</sup>
Chlorodibromomethane	124-48-1	8 <sup>e,f</sup>	— <sup>c</sup>	—	0.4 <sup>b</sup>	0.02 <sup>b</sup>
Chloroform	67-56-3	780 <sup>d,e</sup>	— <sup>c</sup>	—	0.6 <sup>b</sup>	0.03 <sup>b</sup>
2-Chlorophenol	95-57-8	310 <sup>b</sup>	— <sup>c</sup>	—	4 <sup>b,l</sup>	0.2 <sup>b,l</sup>
Chrysene	218-01-9	62 <sup>b</sup>	— <sup>c</sup>	—	160 <sup>b</sup>	8 <sup>b</sup>
DDD	72-54-8	3 <sup>e,m</sup>	— <sup>c</sup>	—	16 <sup>b</sup>	0.8 <sup>b</sup>
DDE	72-55-9	2 <sup>e,m</sup>	— <sup>c</sup>	—	54 <sup>b</sup>	3 <sup>b</sup>
DDT	50-29-3	2 <sup>b</sup>	— <sup>c</sup>	—	32 <sup>b</sup>	2 <sup>b</sup>
Dibenz(a,h)anthracene	53-70-3	0.06 <sup>e,n</sup>	— <sup>c</sup>	—	2 <sup>b</sup>	0.08 <sup>f</sup>
Di-n-butyl phthalate	84-74-2	6,100 <sup>b</sup>	— <sup>c</sup>	—	2,300 <sup>b</sup>	270 <sup>b</sup>
1,2-Dichlorobenzene	95-50-1	5,500 <sup>b</sup>	600 <sup>g</sup>	—	17 <sup>b</sup>	0.9 <sup>b</sup>
1,4-Dichlorobenzene	106-46-7	20 <sup>b</sup>	— <sup>c</sup>	—	2 <sup>b</sup>	0.1 <sup>i</sup>
3,3-Dichlorobenzidine	91-94-1	1 <sup>b</sup>	— <sup>c</sup>	—	0.007 <sup>e,j</sup>	0.0003 <sup>e,j</sup>
1,1-Dichloroethane	75-34-3	7,800 <sup>b,o</sup>	1,200 <sup>g</sup>	—	23 <sup>b</sup>	1 <sup>b</sup>
1,2-Dichloroethane	107-06-2	7 <sup>e,s</sup>	0.4 <sup>g</sup>	—	0.02 <sup>b</sup>	0.001 <sup>i</sup>
1,1-Dichloroethylene	75-35-4	3900 <sup>d,e</sup>	290 <sup>g</sup>	—	0.06 <sup>b</sup>	0.003 <sup>j</sup>
cis-1,2-Dichloroethylene	156-59-2	700 <sup>e,t</sup>	— <sup>c</sup>	—	0.4 <sup>b</sup>	0.02 <sup>b</sup>
trans-1,2-Dichloroethylene	156-60-5	1,600 <sup>d,e</sup>	— <sup>c</sup>	—	0.7 <sup>b</sup>	0.03 <sup>b</sup>
2,4-Dichlorophenol	120-83-2	180 <sup>b</sup>	— <sup>c</sup>	—	1 <sup>b,u</sup>	0.05 <sup>b,u</sup>
2,4-Dichlorophenoxyacetic acid	94-75-7	690 <sup>b</sup>	— <sup>c</sup>	—	0.4 <sup>b,v</sup>	0.02 <sup>b,v</sup>
1,2-Dichloropropane	78-67-5	9 <sup>e,w</sup>	15 <sup>g</sup>	—	0.03 <sup>b</sup>	0.001 <sup>i</sup>
1,3-Dichloropropane	542-75-6	6 <sup>e,w</sup>	1 <sup>g</sup>	—	0.004 <sup>b</sup>	0.0002 <sup>b</sup>

Exhibit A-1 (continued)

GENERIC SSLs FOR RESIDENTIAL SCENARIO\*

Compound <i>Organics (continued)</i>	CAS No.	Ingestion-Dermal (mg/kg)	Inhalation of Volatiles (mg/kg)	Inhalation of Fugitive Particulates (mg/kg)	Migration to Ground Water	
					DAF=20 (mg/kg)	DAF=1 (mg/kg)
Dieldrin	60-57-1	0.04 <sup>c,g</sup>	1 <sup>d</sup>	—	0.004 <sup>d</sup>	0.0002 <sup>e,i</sup>
Diethylphthalate	84-86-2	49,000 <sup>d</sup>	— <sup>e</sup>	—	470 <sup>d</sup>	23 <sup>d</sup>
2,4-Dimethylphenol	185-67-9	1,200 <sup>d</sup>	— <sup>e</sup>	—	9 <sup>d</sup>	0.4 <sup>d</sup>
2,4-Dinitrophenol	51-28-5	120 <sup>d</sup>	— <sup>e</sup>	—	0.2 <sup>d,i,k</sup>	0.008 <sup>e,i,k</sup>
2,4-Dinitrotoluene	121-14-2	0.7 <sup>d</sup>	— <sup>e</sup>	—	0.0008 <sup>d,j</sup>	0.00004 <sup>e,i</sup>
2,6-Dinitrotoluene	605-20-2	0.7 <sup>d</sup>	— <sup>e</sup>	—	0.0007 <sup>d,j</sup>	0.00003 <sup>e,i</sup>
Di-n-octyl phthalate	117-84-0	1,200 <sup>d</sup>	— <sup>e</sup>	—	10,000 <sup>d</sup>	10,000 <sup>d</sup>
Endosulfan	115-29-7	470 <sup>d,i</sup>	— <sup>e</sup>	—	18 <sup>d</sup>	0.9 <sup>d</sup>
Endrin	72-20-8	23 <sup>d,i</sup>	— <sup>e</sup>	—	1 <sup>d</sup>	0.05 <sup>d</sup>
Ethylbenzene	100-41-4	7,800 <sup>d,i</sup>	400 <sup>d</sup>	—	13 <sup>d</sup>	0.7 <sup>d</sup>
Fluoranthene	206-44-0	2,300 <sup>d</sup>	— <sup>e</sup>	—	4,300 <sup>d</sup>	210 <sup>d</sup>
Fluorene	86-73-7	2,300 <sup>d</sup>	— <sup>e</sup>	—	560 <sup>d</sup>	28 <sup>d</sup>
Heptachlor	76-44-8	0.1 <sup>d,i</sup>	4 <sup>d</sup>	—	23 <sup>d</sup>	1 <sup>d</sup>
Heptachlor Epoxide	1024-57-3	0.07 <sup>d,i</sup>	5 <sup>d</sup>	—	0.7 <sup>d</sup>	0.03 <sup>d</sup>
Hexachlorobenzene	118-74-1	0.3 <sup>d</sup>	1 <sup>d</sup>	—	2 <sup>d</sup>	0.1 <sup>d</sup>
Hexachloro-1,3-butadiene	87-68-3	6 <sup>d</sup>	8 <sup>d</sup>	—	2 <sup>d</sup>	0.1 <sup>d</sup>
α-HCH (α-BHC)	319-84-6	0.1 <sup>d,i</sup>	0.7 <sup>d</sup>	—	0.0005 <sup>d,j</sup>	0.00003 <sup>e,i</sup>
β-HCH (β-BHC)	319-85-7	0.4 <sup>d,i</sup>	6 <sup>d</sup>	—	0.003 <sup>d</sup>	0.0001 <sup>e,i</sup>
γ-HCH (Lindane)	58-89-9	0.4 <sup>d</sup>	— <sup>e</sup>	—	0.009 <sup>d</sup>	0.0005 <sup>d</sup>
Hexachlorocyclopentadiene	77-47-4	370 <sup>d</sup>	29 <sup>d</sup>	—	400 <sup>d</sup>	20 <sup>d</sup>
Hexachloroethane	67-72-1	35 <sup>d</sup>	54 <sup>d</sup>	—	0.5 <sup>d</sup>	0.02 <sup>d,i</sup>
Indeno(1,2,3-cd)pyrene	193-39-5	0.6 <sup>d</sup>	— <sup>e</sup>	—	14 <sup>d</sup>	0.7 <sup>d</sup>
Isophorone	78-59-1	510 <sup>d</sup>	— <sup>e</sup>	—	0.5 <sup>d</sup>	0.03 <sup>d,i</sup>
Methoxychlor	72-43-5	380 <sup>d,i</sup>	— <sup>e</sup>	—	160 <sup>d</sup>	8 <sup>d</sup>
Methyl bromide	74-83-9	110 <sup>d,i</sup>	9 <sup>d</sup>	—	0.2 <sup>d</sup>	0.01 <sup>d,i</sup>
Methylene chloride	75-09-2	86 <sup>d,i</sup>	13 <sup>d</sup>	—	0.02 <sup>d</sup>	0.001 <sup>d,i</sup>
2-Methylphenol (o-cresol)	95-48-7	3,100 <sup>d</sup>	— <sup>e</sup>	—	15 <sup>d</sup>	0.8 <sup>d</sup>
Naphthalene	91-20-3	1,100 <sup>d</sup>	170 <sup>d</sup>	—	84 <sup>d</sup>	4 <sup>d</sup>
Nitrobenzene	98-95-3	31 <sup>d</sup>	90 <sup>d</sup>	—	0.1 <sup>d,i</sup>	0.007 <sup>e,i</sup>
N-Nitrosodiphenylamine	86-30-6	89 <sup>d</sup>	— <sup>e</sup>	—	1 <sup>d</sup>	0.06 <sup>d</sup>
N-Nitrosodi-n-propylamine	621-64-7	0.07 <sup>d,i</sup>	— <sup>e</sup>	—	0.0000 <sup>d</sup>	0.000002 <sup>e,i</sup>
Pentachlorophenol	87-86-5	3 <sup>d</sup>	— <sup>e</sup>	—	0.03 <sup>d</sup>	0.001 <sup>d,i</sup>
Phenol	108-95-2	18,000 <sup>d</sup>	— <sup>e</sup>	—	100 <sup>d</sup>	5 <sup>d</sup>
Pyrene	129-00-0	1,700 <sup>d</sup>	— <sup>e</sup>	—	4,200 <sup>d</sup>	210 <sup>d</sup>
Styrene	100-42-5	18,000 <sup>d,i</sup>	1,500 <sup>d</sup>	—	4 <sup>d</sup>	0.2 <sup>d</sup>
1,1,2,2-Tetrachloroethane	78-34-5	3 <sup>d,i</sup>	0.6 <sup>d</sup>	—	0.003 <sup>d,j</sup>	0.0002 <sup>e,i</sup>
Tetrachloroethylene	127-18-4	1 <sup>d,i</sup>	1 <sup>d</sup>	—	0.06 <sup>d</sup>	0.003 <sup>d</sup>
Toluene	108-88-3	15,000 <sup>d,i</sup>	650 <sup>d</sup>	—	12 <sup>d</sup>	0.6 <sup>d</sup>
Toxaphene	8001-35-2	0.6 <sup>d,i</sup>	87 <sup>d</sup>	—	31 <sup>d</sup>	2 <sup>d</sup>
1,2,4-Trichlorobenzene	120-82-1	610 <sup>d</sup>	3,200 <sup>d</sup>	—	5 <sup>d</sup>	0.3 <sup>d</sup>
1,1,1-Trichloroethane	71-55-6	— <sup>e</sup>	1,200 <sup>d</sup>	—	2 <sup>d</sup>	0.1 <sup>d</sup>
1,1,2-Trichloroethane	79-00-5	11 <sup>d,i</sup>	1 <sup>d</sup>	—	0.02 <sup>d</sup>	0.0009 <sup>d</sup>
Trichloroethylene	78-01-6	2 <sup>d,i</sup>	0.07 <sup>d</sup>	—	0.06 <sup>d</sup>	0.003 <sup>d</sup>
2,4,5-Trichlorophenol	95-95-4	6,100 <sup>d</sup>	— <sup>e</sup>	—	270 <sup>d,k</sup>	14 <sup>d,k</sup>
2,4,6-Trichlorophenol	88-06-2	44 <sup>d</sup>	200 <sup>d</sup>	—	0.2 <sup>d,l</sup>	0.008 <sup>e,i</sup>

Exhibit A-1 (continued)

GENERIC SSLs FOR RESIDENTIAL SCENARIO\*

Compound	CAS No.	Ingestion-Dermal (mg/kg)	Inhalation of Volatiles (mg/kg)	Inhalation of Fugitive Particulates (mg/kg)	Migration to Ground Water	
					DAF=20 (mg/kg)	DAF=1 (mg/kg)
<i>Organics (continued)</i>						
Vinyl acetate	108-05-4	78,000 <sup>b,c</sup>	980 <sup>b</sup>	—	170 <sup>b</sup>	5 <sup>b</sup>
Vinyl chloride (chloroethene)	75-01-4	0.4 <sup>d,h</sup>	0.6 <sup>d</sup>	—	0.01 <sup>(i,j)</sup>	0.0007 <sup>u</sup>
m-Xylene	108-38-3	160,000 <sup>b,c</sup>	— <sup>c</sup>	—	210	10
o-Xylene	95-47-6	160,000 <sup>b,c</sup>	— <sup>a</sup>	—	190	9
p-Xylene	106-42-3	160,000 <sup>b,c</sup>	— <sup>c</sup>	—	200	10
<i>Inorganics</i>						
Antimony	7440-35-0	31 <sup>b,c</sup>	—	— <sup>f</sup>	5	0.3
Arsenic	7440-38-2	0.4 <sup>a</sup>	—	770 <sup>g</sup>	29 <sup>k</sup>	1
Barium	7440-39-3	5,500 <sup>b,c</sup>	—	710,000 <sup>b</sup>	1,600 <sup>l</sup>	82
Beryllium	7440-41-7	160 <sup>b,c</sup>	—	1,400 <sup>b</sup>	53 <sup>k</sup>	3 <sup>c</sup>
Cadmium	7440-43-9	70 <sup>b,j</sup>	—	1,800 <sup>b</sup>	8 <sup>k</sup>	0.4 <sup>k</sup>
Chromium (total)	7440-47-3	230 <sup>b,k</sup>	—	280 <sup>b</sup>	38 <sup>k</sup>	2 <sup>k</sup>
Chromium (III)	16065-83-1	120,000 <sup>b,c</sup>	—	— <sup>e</sup>	— <sup>p</sup>	— <sup>q</sup>
Chromium (VI)	18540-29-9	230 <sup>b,c</sup>	—	280 <sup>b</sup>	38 <sup>k</sup>	2 <sup>k</sup>
Cyanide (amenable)	57-12-6	1,600 <sup>b,c</sup>	—	— <sup>e</sup>	40	2
Mercury	7439-97-6	23 <sup>b,c,l</sup>	10 <sup>b,m</sup>	—	2 <sup>k</sup>	0.1 <sup>k</sup>
Nickel	7440-02-0	1,600 <sup>b,c</sup>	—	14,000 <sup>b</sup>	130 <sup>k</sup>	7 <sup>k</sup>
Selenium	7782-49-2	390 <sup>b,c</sup>	—	— <sup>e</sup>	5 <sup>k</sup>	0.3 <sup>k</sup>
Silver	7440-22-4	390 <sup>b,c</sup>	—	— <sup>e</sup>	34 <sup>k</sup>	2 <sup>k</sup>
Thallium	7440-28-0	6 <sup>b,n</sup>	—	— <sup>e</sup>	0.7 <sup>k</sup>	0.04 <sup>k</sup>
Vanadium	7440-62-2	550 <sup>b,c</sup>	—	— <sup>e</sup>	5,000 <sup>b</sup>	300 <sup>b</sup>
Zinc	7440-66-6	23,000 <sup>b,c</sup>	—	— <sup>e</sup>	12,000 <sup>b,k</sup>	620 <sup>b,k</sup>

DAF = Dilution Attenuation Factor

- <sup>a</sup> Screening level based on human health criteria only
- <sup>b</sup> Calculated values correspond to a noncancer hazard quotient of 1. For exposure to multiple non-carcinogens, EPA evaluates contaminants according to their critical effect. See section 2.3 for further discussion.
- <sup>c</sup> Ingestion-Dermal pathway; no dermal absorption data available; calculated based on ingestion data only. Inhalation of volatiles pathway; no toxicity criteria available.
- <sup>d</sup> Soil Saturation Limit (CSat)
- <sup>e</sup> Calculated values correspond to a cancer risk of 1 in 1,000,000. For multiple carcinogens, EPA believes values will accumulate to be within acceptable risk levels. See section 2.3 for further discussion.
- <sup>f</sup> Level is at or below Contract Laboratory Program required quantification limit for Regular Analytical Services (RAS)
- <sup>g</sup> Chemical-specific properties are such that this pathway is not of concern at any soil contaminant concentration.
- <sup>h</sup> SSL is based on continuous exposure to vinyl chloride over a lifetime.
- <sup>i</sup> SSL is based on continuous exposure to vinyl chloride during adulthood.
- <sup>j</sup> SSL is based on dietary RID for Cadmium.
- <sup>k</sup> SSL for pH of 6.8.
- <sup>l</sup> SSL is based on RID for mercuric chloride (CAS No. 007847-94-7).
- <sup>m</sup> SSL is based on RID for thallium chloride (CAS No. 7791-12-0).

Health benchmark values are based on NCEA's *Trichloroethylene Health Risk Assessment: Synthesis and Characterization - External Review Draft* (DRD, August, 2001). The trichloroethylene draft risk assessment is still under review. As a result, the health benchmark values are subject to change.

Exhibit A-2

GENERIC SSLs FOR COMMERCIAL/INDUSTRIAL SCENARIO: OUTDOOR WORKER RECEPTOR<sup>9</sup>

Compound	CAS No.	Ingestion-Dermal (mg/kg)	Inhalation of Volatiles (mg/kg)	Inhalation of Fugitive Particulates (mg/kg)	Migration to Ground Water	
					DAF=20 (mg/kg)	DAF=1 (mg/kg)
<b>Organics</b>						
Acenaphthene	83-32-9	37,000 <sup>b</sup>	— <sup>e</sup>	—	570 <sup>b</sup>	29 <sup>b</sup>
Acetone (2-Propanone)	67-64-1	110,000 <sup>a,c</sup>	— <sup>e</sup>	—	16 <sup>b</sup>	0.9 <sup>b</sup>
Aldrin	309-00-2	0.2 <sup>c,d</sup>	6 <sup>b</sup>	—	0.5 <sup>b</sup>	0.02 <sup>b</sup>
Anthracene	120-12-7	180,000 <sup>b</sup>	— <sup>e</sup>	—	12,000 <sup>b</sup>	590 <sup>b</sup>
Benz(a)anthracene	56-56-3	2 <sup>b</sup>	— <sup>e</sup>	—	2 <sup>b</sup>	0.08 <sup>b,f</sup>
Benzene	71-43-2	58 <sup>c,d</sup>	1 <sup>b</sup>	—	0.03 <sup>b</sup>	0.002 <sup>b</sup>
Benzo(b)fluoranthene	205-99-2	2 <sup>b</sup>	— <sup>e</sup>	—	5 <sup>b</sup>	0.2 <sup>b,f</sup>
Benzo(k)fluoranthene	207-08-9	23 <sup>b</sup>	— <sup>e</sup>	—	48 <sup>b</sup>	2 <sup>b</sup>
Benzo(a)pyrene	50-32-8	0.2 <sup>b</sup>	— <sup>e</sup>	—	8 <sup>b</sup>	0.4 <sup>b</sup>
Bis(2-chloroethyl)ether	111-44-4	2 <sup>b</sup>	0.4 <sup>b</sup>	—	0.0004 <sup>b,f</sup>	0.00002 <sup>b,f</sup>
Bis(2-ethylhexyl)phthalate	117-81-7	140 <sup>b</sup>	— <sup>e</sup>	—	3,600 <sup>b</sup>	180 <sup>b</sup>
Bromodichloromethane	75-27-4	51 <sup>c,d</sup>	— <sup>e</sup>	—	0.6 <sup>b</sup>	0.03 <sup>b</sup>
Bromoform (tribromomethane)	75-25-2	400 <sup>c,d</sup>	88 <sup>b</sup>	—	0.8 <sup>b</sup>	0.04 <sup>b</sup>
Bulandol	71-38-3	110,000 <sup>b,c</sup>	— <sup>e</sup>	—	17 <sup>b</sup>	0.9 <sup>b</sup>
Bulyl benzyl phthalate	85-68-7	140,000 <sup>b</sup>	— <sup>e</sup>	—	930 <sup>b</sup>	810 <sup>b</sup>
Carbazole	86-74-8	96 <sup>b</sup>	— <sup>e</sup>	—	0.6 <sup>b</sup>	0.03 <sup>b</sup>
Carbon disulfide	75-15-0	110,000 <sup>a,d</sup>	720 <sup>b</sup>	—	32 <sup>b</sup>	2 <sup>b</sup>
Carbon tetrachloride	56-23-5	24 <sup>c,d</sup>	0.6 <sup>b</sup>	—	0.07 <sup>b</sup>	0.003 <sup>b</sup>
Chlordane	57-74-9	7 <sup>b</sup>	120 <sup>b</sup>	—	10 <sup>b</sup>	0.5 <sup>b</sup>
p-Chloroaniline	105-47-8	2,700 <sup>b</sup>	— <sup>e</sup>	—	0.7 <sup>b</sup>	0.03 <sup>b,f</sup>
Chlorobenzene	108-90-7	23,000 <sup>b,c</sup>	540 <sup>b</sup>	—	1 <sup>b</sup>	0.07 <sup>b</sup>
Chlorodibromomethane	124-48-1	39 <sup>c,d</sup>	— <sup>e</sup>	—	0.4 <sup>b</sup>	0.02 <sup>b</sup>
Chloroform	67-66-3	11,000 <sup>b,c</sup>	— <sup>e</sup>	—	0.6 <sup>b</sup>	0.03 <sup>b</sup>
2-Chlorophenol	95-57-8	3,400 <sup>b</sup>	— <sup>e</sup>	—	4 <sup>b,f</sup>	0.2 <sup>b,f</sup>
Chrysene	218-01-9	230 <sup>b</sup>	— <sup>e</sup>	—	160 <sup>b</sup>	8 <sup>b</sup>
DDD	72-64-8	13 <sup>c,d</sup>	— <sup>e</sup>	—	16 <sup>b</sup>	0.8 <sup>b</sup>
DDE	72-55-9	9 <sup>c,d</sup>	— <sup>e</sup>	—	54 <sup>b</sup>	3 <sup>b</sup>
DDT	50-29-3	8 <sup>b</sup>	— <sup>e</sup>	—	32 <sup>b</sup>	2 <sup>b</sup>
Dibenz(a,h)anthracene	53-70-3	0.2 <sup>b</sup>	— <sup>e</sup>	—	2 <sup>b</sup>	0.08 <sup>b,f</sup>
Di-n-butyl phthalate	84-74-2	66,000 <sup>b</sup>	— <sup>e</sup>	—	2,300 <sup>b</sup>	270 <sup>b</sup>
1,2-Dichlorobenzene	95-50-1	62,000 <sup>b</sup>	600 <sup>b</sup>	—	17 <sup>b</sup>	0.9 <sup>b</sup>
1,4-Dichlorobenzene	106-46-7	80 <sup>b</sup>	— <sup>e</sup>	—	2 <sup>b</sup>	0.1 <sup>b</sup>
3,3-Dichlorobenzidine	91-94-1	4 <sup>b</sup>	— <sup>e</sup>	—	0.007 <sup>b,f</sup>	0.0003 <sup>b,f</sup>
1,1-Dichloroethane	75-34-3	110,000 <sup>b,c</sup>	1,700 <sup>b</sup>	—	23 <sup>b</sup>	1 <sup>b</sup>
1,2-Dichloroethane	107-06-2	35 <sup>c,d</sup>	0.6 <sup>b</sup>	—	0.02 <sup>b</sup>	0.001 <sup>b</sup>
1,1-Dichloroethylene	75-35-4	57,000 <sup>b,c</sup>	410 <sup>b</sup>	—	0.06 <sup>b</sup>	0.003 <sup>b</sup>
cis-1,2-Dichloroethylene	155-59-2	11,000 <sup>b,c</sup>	— <sup>e</sup>	—	0.4 <sup>b</sup>	0.02 <sup>b</sup>
trans-1,2-Dichloroethylene	156-60-5	23,000 <sup>b,c</sup>	— <sup>e</sup>	—	0.7 <sup>b</sup>	0.03 <sup>b</sup>
2,4-Dichlorophenol	120-83-2	2,100 <sup>b</sup>	— <sup>e</sup>	—	1 <sup>b,f</sup>	0.05 <sup>b,f</sup>
2,4-Dichlorophenoxyacetic acid	94-75-7	8,500 <sup>b</sup>	— <sup>e</sup>	—	0.4 <sup>b,f</sup>	0.02 <sup>b,f</sup>
1,2-Dichloropropene	78-87-5	47 <sup>c,d</sup>	21 <sup>b</sup>	—	0.03 <sup>b</sup>	0.001 <sup>b</sup>
1,3-Dichloropropene	542-75-6	32 <sup>c,d</sup>	2 <sup>b</sup>	—	0.004 <sup>b</sup>	0.0002 <sup>b</sup>

## Appendix B

### Generic Guidance for Evaluating Surface Soils on Properties Being Converted to Residential or Public Uses<sup>1</sup>

1. Issues related to managing soils on a property should be evaluated in conjunction with engineering design issues related to water supplies, sewage disposal systems and erosion and dust control measures that might be affected by certain soil management options.
2. If a municipality determines that soil sampling is appropriate, NYSDOH suggests that the municipality advise the applicant to collect soil samples from the surface to a depth of two or three inches, to represent potential exposures to soil contaminants when children play in and incidentally ingest soil. If contaminant levels in surface soil exceed Soil Screening Levels and background ranges, the applicant should prepare a soil management plan (SMP) to address the areas of elevated contamination. The scope of a SMP is related to the goals of the developer, the nature of the site and the extent of elevated levels, but does not necessarily involve the removal of material from the site

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Six-inch deep soil samples can be collected at the same time as the surface samples, saving the bottom interval of the samples for analysis pending the results of the surface samples. Analytical results from this second interval are often useful for determining the vertical extent of contamination and for evaluating various options proposed by the developer or his agent for addressing areas with elevated contaminant levels during the normal course of on-site activities. In addition, the results from the upper and lower intervals can be combined to reflect the potential for exposure to contaminated soils during gardening activities.

3. If the municipality determines that sampling is appropriate, they may want the sampling plan to take into account the proposed development plan and the likely mechanism of exposure (e.g., gardening, children playing, etc.). Initial sampling efforts should be focused on areas that are likely to have accumulated the highest contaminant levels (such as suspected pesticide mixing areas) and that reflect the areas that are most likely to be frequented by children once the development is complete (such as residential yards, play areas and common areas). Collecting samples from areas that are proposed to be paved over or from which soil is intended to be removed to establish final grades is less important. Similarly, sampling can be less important in areas that will be under building, driveways, parking lots or other features that make it unlikely that young children could come into contact with these soils. However, notification mechanisms such as deed restrictions may be appropriate for these areas, if left unsampled or if contamination is not addressed, to prevent excavation of contaminated soils during future construction or maintenance activities.

4. If the municipality determines that sampling is appropriate, they may want to consider having the samples analyzed for lead, arsenic and DDT and its metabolites, because these were widely used and are persistent. It is appropriate to substitute or supplement these analyses based on the extent of knowledge of the property and its potential past uses on the part of the landowner or developer. Samples should be analyzed by a laboratory that is certified through the State Health Department's Environmental Laboratory Approval Program (ELAP), or the National Environmental Approval Program (NELAP).
5. If the municipality determines that sampling is appropriate, it is recommended that discrete samples, rather than composite samples, be collected. Compositing samples from a large area or from disparate areas makes interpreting the results more difficult. This difficulty is increased as the number of locations composited into a single sample is increased and as the locations composited are further apart.

*<sup>1</sup> Guidance based on recommendations from New York State Department of Health-Bureau of Toxic Substance Assessment – April 14, 1998*

**ATTACHMENT B**

**YORK**  
ANALYTICAL LABORATORIES, INC.  

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# Technical Report

prepared for

**Freudenthal & Elkowitz**  
1757-24 Veterans Memorial Hwy.  
Islandia, NY 11749  
Attention: Rich Baldwin

Report Date: 2/14/2007  
*Re: Client Project ID: HOV-02-293*  
York Project No.: 07020178

CT License No PH-0723

New York License No 10854



Report Date: 2/14/2007  
 Client Project ID: HOV-02-293  
 York Project No.: 07020178

**Freudenthal & Elkowitz**  
 1757-24 Veterans Memorial Hwy.  
 Islandia, NY 11749  
 Attention: Rich Baldwin

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 02/06/07. The project was identified as your project "HOV-02-293".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

### Analysis Results

Client Sample ID			SB-2 (0-3in)		SB-2 (3-6in)	
York Sample ID			07020178-01		07020178-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			67.4	16.0	60.3	16.0
4,4'-DDE			176	16.0	193	16.0
4,4'-DDT			227	16.0	256	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			10.7	3.30	12.8	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00

**YORK**

Client Sample ID			SB-2 (0-3in)		SB-2 (3-6in)	
York Sample ID			07020178-01		07020178-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		

**YORK**

Client Sample ID			SB-2 (0-3in)		SB-2 (3-6in)	
York Sample ID			07020178-01		07020178-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			11	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		

**YORK**

Client Sample ID			SB-2 (0-3in)		SB-2 (3-6in)	
York Sample ID			07020178-01		07020178-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			12.1	0.500	9.04	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			11.0	0.500	11.0	0.500
Copper			21.5	0.500	15.5	0.500
Lead			22.1	0.500	11.6	0.500
Nickel			7.53	0.500	7.70	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-2 (1-1.25')		SB-2 (3-3.5')	
York Sample ID			07020178-03		07020178-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			Not detected	16.0	Not detected	16.0
4,4'-DDT			Not detected	16.0	Not detected	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chlorpyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-2 (1-1.25')		SB-2 (3-3.5')	
York Sample ID			07020178-03		07020178-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-2 (1-1.25')		SB-2 (3-3.5')	
York Sample ID			07020178-03		07020178-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			3.20	0.500	1.00	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			3.41	0.500	2.13	0.500
Copper			5.19	0.500	2.78	0.500
Lead			3.65	0.500	1.27	0.500
Nickel			3.54	0.500	1.78	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

**YORK**

Client Sample ID			SB-8 (0-3in)		SB-8 (3-6in)	
York Sample ID			07020178-05		07020178-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			77.2	16.0	131	16.0
4,4'-DDT			72.5	16.0	129	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeton			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		

**YORK**

Client Sample ID			SB-8 (0-3in)		SB-8 (3-6in)	
York Sample ID			07020178-05		07020178-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-8 (0-3in)		SB-8 (3-6in)	
York Sample ID			07020178-05		07020178-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			25	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			7.63	0.500	12.8	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			8.46	0.500	13.3	0.500
Copper			14.9	0.500	22.5	0.500
Lead			13.1	0.500	21.5	0.500
Nickel			6.65	0.500	9.85	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-8 (1-1.25')		SB-8 (3-3.5')	
York Sample ID			07020178-07		07020178-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			64.7	16.0	17.6	16.0
4,4'-DDT			53.8	16.0	16.0	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0

**YORK**

Client Sample ID			SB-8 (1-1.25')		SB-8 (3-3.5')	
York Sample ID			07020178-07		07020178-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-8 (1-1.25')		SB-8 (3-3.5')	
York Sample ID			07020178-07		07020178-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-8 (1-1.25')		SB-8 (3-3.5')	
York Sample ID			07020178-07		07020178-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			4.45	0.500	2.35	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			5.84	0.500	7.22	0.500
Copper			7.91	0.500	4.61	0.500
Lead			5.79	0.500	3.26	0.500
Nickel			4.71	0.500	2.96	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-9 (0-3in)		SB-9 (3-6in)	
York Sample ID			07020178-09		07020178-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			328	16.0	409	16.0
4,4'-DDT			356	16.0	431	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			7.42	3.30	10.3	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		

**YORK**

Client Sample ID			SB-9 (0-3in)		SB-9 (3-6in)	
York Sample ID			07020178-09		07020178-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-9 (0-3in)		SB-9 (3-6in)	
York Sample ID			07020178-09		07020178-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			15	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	--	---	---	---
Arsenic			30.8	0.500	37.4	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			18.1	0.500	21.2	0.500
Copper			39.7	0.500	47.8	0.500
Lead			23.5	0.500	27.1	0.500

**YORK**

Client Sample ID			SB-9 (0-3in)		SB-9 (3-6in)	
York Sample ID			07020178-09		07020178-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Nickel			10.4	0.500	11.6	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-9 (1-1.25')		SB-9 (3-3.5')	
York Sample ID			07020178-11		07020178-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			107	16.0	Not detected	16.0
4,4'-DDT			108	16.0	Not detected	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chlorpyrifos			PENDING	80	PENDING	80
Demeton			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
Semi-Volatiles, STARS List	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-9 (1-1.25')		SB-9 (3-3.5')	
York Sample ID			07020178-11		07020178-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-9 (1-1.25')		SB-9 (3-3.5')	
York Sample ID			07020178-11		07020178-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			11	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			12.6	0.500	2.38	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			10.2	0.500	2.49	0.500
Copper			20.3	0.500	5.63	0.500
Lead			9.89	0.500	2.71	0.500
Nickel			7.72	0.500	3.04	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-10 (0-3in)		SB-10 (3-6in)	
York Sample ID			07020178-13		07020178-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			203	16.0	175	16.0
4,4'-DDT			223	16.0	175	16.0

**YORK**

Client Sample ID			SB-10 (0-3in)		SB-10 (3-6in)	
York Sample ID			07020178-13		07020178-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	5.48	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeton			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		

**YORK**

Client Sample ID			SB-10 (0-3in)		SB-10 (3-6in)	
York Sample ID			07020178-13		07020178-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		

**YORK**

Client Sample ID			SB-10 (0-3in)		SB-10 (3-6in)	
York Sample ID			07020178-13		07020178-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			Not detected	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			16.7	0.500	20.5	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			12.2	0.500	13.9	0.500
Copper			23.1	0.500	26.1	0.500
Lead			18.1	0.500	20.2	0.500
Nickel			7.69	0.500	8.05	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-10 (1-1.25')		SB-10 (3-3.5')	
York Sample ID			07020178-15		07020178-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			106	16.0	23.1	16.0
4,4'-DDT			107	16.0	21.2	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			3.72	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00

**YORK**

Client Sample ID			SB-10 (1-1.25')		SB-10 (3-3.5')	
York Sample ID			07020178-15		07020178-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,b]anthracene			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-10 (1-1.25')		SB-10 (3-3.5')	
York Sample ID			07020178-15		07020178-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-10 (1-1.25')		SB-10 (3-3.5')	
York Sample ID			07020178-15		07020178-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			6.11	0.500	2.68	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			5.14	0.500	3.05	0.500
Copper			10.1	0.500	5.09	0.500
Lead			5.34	0.500	2.68	0.500
Nickel			4.23	0.500	3.34	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-11 (0-3in)		SB-11 (3-6in)	
York Sample ID			07020178-17		07020178-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			68.8	16.0	138	16.0
4,4'-DDT			135	16.0	242	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chlorpyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		

**YORK**

Client Sample ID			SB-11 (0-3in)		SB-11 (3-6in)	
York Sample ID			07020178-17		07020178-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			310	165		
Benzo[a]anthracene			1200	165		
Benzo[a]pyrene			540	165		
Benzo[b]fluoranthene			630	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			520	165		
Chrysene			1100	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			2400	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			1200	165		
Pyrene			2100	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			0.34	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		

**YORK**

Client Sample ID			SB-11 (0-3in)		SB-11 (3-6in)	
York Sample ID			07020178-17		07020178-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			Not detected	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			26.6	0.500	24.5	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			0.62	0.500	0.51	0.500
Chromium			23.7	0.500	21.6	0.500
Copper			73.9	0.500	62.7	0.500
Lead			149	0.500	132	0.500
Nickel			19.5	0.500	17.0	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

**YORK**

Client Sample ID			SB-11 (1-1.25')		SB-11 (3-3.5')	
York Sample ID			07020178-19		07020178-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			30.0	16.0	Not detected	16.0
4,4'-DDE			310	16.0	31.8	16.0
4,4'-DDT			607	16.0	49.1	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			18.2	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chlorpyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165
Fluoranthene			190	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			170	165	Not detected	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100

**YORK**

Client Sample ID			SB-11 (1-1.25')		SB-11 (3-3.5')	
York Sample ID			07020178-19		07020178-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	5.0
1,1-Dichloroethane			Not detected	10.0	Not detected	5.0
1,1-Dichloroethene			Not detected	10.0	Not detected	5.0
1,1-Dichloropropene			Not detected	10.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	5.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	5.0
1,2-Dibromoethane			Not detected	10.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	5.0
1,2-Dichloroethane			Not detected	10.0	Not detected	5.0
1,2-Dichloropropane			Not detected	10.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	5.0
1,3-Dichloropropane			Not detected	10.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	5.0
2,2-Dichloropropane			Not detected	10.0	Not detected	5.0
Acetone			Not detected	10.0	Not detected	5.0
Benzene			Not detected	10.0	Not detected	5.0
Bromobenzene			Not detected	10.0	Not detected	5.0
Bromochloromethane			Not detected	10.0	Not detected	5.0
Bromodichloromethane			Not detected	10.0	Not detected	5.0
Bromoform			Not detected	10.0	Not detected	5.0
Carbon Tetrachloride			Not detected	10.0	Not detected	5.0
Chlorobenzene			Not detected	10.0	Not detected	5.0
Chloroethane			Not detected	10.0	Not detected	5.0
Chloroform			Not detected	10.0	Not detected	5.0
Chlorotoluenes, total			Not detected	10.0	Not detected	5.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	5.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	5.0
Dibromochloromethane			Not detected	10.0	Not detected	5.0
Dibromomethane			Not detected	10.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	5.0
Ethylbenzene			Not detected	10.0	Not detected	5.0
Freon-113			Not detected	10.0	Not detected	5.0
Hexachlorobutadiene			Not detected	10.0	Not detected	5.0

**YORK**

Client Sample ID			SB-11 (1-1.25')		SB-11 (3-3.5')	
York Sample ID			07020178-19		07020178-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Isopropylbenzene			Not detected	10.0	Not detected	5.0
Methyl ethyl ketone			Not detected	10.0	Not detected	5.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	5.0
Methylene Chloride			Not detected	10.0	Not detected	5.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	5.0
Naphthalene			Not detected	10.0	Not detected	5.0
n-Butylbenzene			Not detected	10.0	Not detected	5.0
n-Propylbenzene			Not detected	10.0	Not detected	5.0
p-Diethylbenzene			Not detected	10.0	Not detected	5.0
p-Ethyltoluene			Not detected	10.0	Not detected	5.0
p-Isopropyltoluene			Not detected	10.0	Not detected	5.0
sec-Butylbenzene			Not detected	10.0	Not detected	5.0
Styrene			Not detected	10.0	Not detected	5.0
tert-Butylbenzene			Not detected	10.0	Not detected	5.0
Tetrachloroethene			11	10.0	Not detected	5.0
Toluene			Not detected	10.0	Not detected	5.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	5.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	5.0
Trichloroethene			Not detected	10.0	Not detected	5.0
Trichlorofluoromethane			Not detected	10.0	Not detected	5.0
Vinyl Chloride			Not detected	10.0	Not detected	5.0
Xylenes, total			Not detected	10.0	Not detected	5.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kG	---	---	---	---
Arsenic			28.5	0.500	8.23	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			19.6	0.500	7.32	0.500
Copper			46.9	0.500	11.8	0.500
Lead			37.8	0.500	11.1	0.500
Nickel			13.3	0.500	6.46	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-12 (0-3in)		SB-12 (3-6in)	
York Sample ID			07020178-21		07020178-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			317	16.0	505	16.0
4,4'-DDT			295	16.0	508	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			8.01	3.30	13.4	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0

**YORK**

Client Sample ID			SB-12 (0-3in)		SB-12 (3-6in)	
York Sample ID			07020178-21		07020178-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeton			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		

**YORK**

Client Sample ID			SB-12 (0-3in)		SB-12 (3-6in)	
York Sample ID			07020178-21		07020178-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			18	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-12 (0-3in)		SB-12 (3-6in)	
York Sample ID			07020178-21		07020178-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Tetrachloroethene			Not detected	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kg	---	---	---	---
Arsenic			19.4	0.500	23.8	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			14.8	0.500	17.9	0.500
Copper			25.2	0.500	29.6	0.500
Lead			16.7	0.500	18.6	0.500
Nickel			8.85	0.500	9.91	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-12 (1-1.25')		SB-12 (3-3.5')	
York Sample ID			07020178-23		07020178-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			40.5	16.0	188	16.0
4,4'-DDT			37.3	16.0	175	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	6.40	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chlorpyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-12 (1-1.25')		SB-12 (3-3.5')	
York Sample ID			07020178-23		07020178-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-12 (1-1.25')		SB-12 (3-3.5')	
York Sample ID			07020178-23		07020178-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	<b>SW846-6010A</b>	<b>mg/KG</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
Arsenic			2.68	0.500	8.19	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			4.06	0.500	10.7	0.500

**YORK**

Client Sample ID			SB-12 (1-1.25')		SB-12 (3-3.5')	
York Sample ID			07020178-23		07020178-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			5.32	0.500	12.1	0.500
Lead			3.08	0.500	7.37	0.500
Nickel			3.35	0.500	7.87	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-13 (0-3in)		SB-13 (3-6in)	
York Sample ID			07020178-25		07020178-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			466	16.0	625	16.0
4,4'-DDT			361	16.0	536	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			7.73	3.30	11.3	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
Semi-Volatiles, STARS List	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		

**YORK**

Client Sample ID			SB-13 (0-3in)		SB-13 (3-6in)	
York Sample ID			07020178-25		07020178-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		

**YORK**

Client Sample ID			SB-13 (0-3in)		SB-13 (3-6in)	
York Sample ID			07020178-25		07020178-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			Not detected	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			31.1	0.500	30.2	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			20.5	0.500	18.1	0.500
Copper			40.0	0.500	39.4	0.500
Lead			24.5	0.500	22.8	0.500
Nickel			11.2	0.500	10.8	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-13 (1-1.25')		SB-13 (3-3.5')	
York Sample ID			07020178-27		07020178-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0

**YORK**

Client Sample ID			SB-13 (1-1.25')		SB-13 (3-3.5')	
York Sample ID			07020178-27		07020178-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
4,4'-DDE			76.5	16.0	38.1	16.0
4,4'-DDT			62.4	16.0	31.3	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017

**YORK**

Client Sample ID			SB-13 (1-1.25')		SB-13 (3-3.5')	
York Sample ID			07020178-27		07020178-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-13 (1-1.25')		SB-13 (3-3.5')	
York Sample ID			07020178-27		07020178-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			4.04	0.500	2.58	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			7.16	0.500	3.16	0.500
Copper			7.21	0.500	4.96	0.500
Lead			3.45	0.500	2.31	0.500
Nickel			3.99	0.500	2.24	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-14 (0-3in)		SB-14 (3-6in)	
York Sample ID			07020178-29		07020178-30	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			744	16.0	546	16.0
4,4'-DDT			692	16.0	505	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			24.7	3.30	16.9	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0

**YORK**

Client Sample ID			SB-14 (0-3in)		SB-14 (3-6in)	
York Sample ID			07020178-29		07020178-30	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeton			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	165		
Acenaphthylene			Not detected	165		
Anthracene			Not detected	165		
Benzo[a]anthracene			Not detected	165		
Benzo[a]pyrene			Not detected	165		
Benzo[b]fluoranthene			Not detected	165		
Benzo[g,h,i]perylene			Not detected	165		
Benzo[k]fluoranthene			Not detected	165		
Chrysene			Not detected	165		
Dibenz[a,h]anthracene			Not detected	165		
Fluoranthene			Not detected	165		
Fluorene			Not detected	165		
Indeno[1,2,3-cd]pyrene			Not detected	165		
Naphthalene			Not detected	165		
Phenanthrene			Not detected	165		
Pyrene			Not detected	165		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		

**YORK**

Client Sample ID			SB-14 (0-3in)		SB-14 (3-6in)	
York Sample ID			07020178-29		07020178-30	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			Not detected	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		

**YORK**

Client Sample ID			SB-14 (0-3in)		SB-14 (3-6in)	
York Sample ID:			07020178-29		07020178-30	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kgG	---	---	---	---
Arsenic			29.0	0.500	34.7	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			17.3	0.500	21.8	0.500
Copper			43.1	0.500	52.1	0.500
Lead			25.2	0.500	30.6	0.500
Nickel			9.81	0.500	12.3	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kgG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-14 (1-1.25')		SB-14 (3-3.5')	
York Sample ID			07020178-31		07020178-32	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			293	16.0	70.2	16.0
4,4'-DDT			266	16.0	61.2	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			12.0	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Deneon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-14 (1-1.25')		SB-14 (3-3.5')	
York Sample ID			07020178-31		07020178-32	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo[a]anthracene			Not detected	165	Not detected	165
Benzo[a]pyrene			Not detected	165	Not detected	165
Benzo[b]fluoranthene			Not detected	165	Not detected	165
Benzo[g,h,i]perylene			Not detected	165	Not detected	165
Benzo[k]fluoranthene			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenz[a,h]anthracene			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-14 (1-1.25')		SB-14 (3-3.5')	
York Sample ID			07020178-31		07020178-32	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	<b>SW846-6010A</b>	<b>mg/kg</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>
Arsenic			20.5	0.500	7.25	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			16.8	0.500	13.1	0.500
Copper			30.5	0.500	13.1	0.500
Lead			18.4	0.500	7.44	0.500
Nickel			10.5	0.500	8.31	0.500

**YORK**

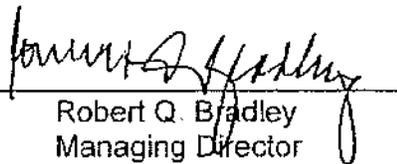
Client Sample ID			SB-14 (1-1.25')		SB-14 (3-3.5')	
York Sample ID			07020178-31		07020178-32	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 07020178**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that the Organophosphorous Pesticide analyses reported herein were subcontracted to Phoenix Environmental Laboratories, Manchester, CT.

Approved By: \_\_\_\_\_

  
 Robert Q. Bradley  
 Managing Director

Date: 2/14/2007

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Company Name: F + E      Report To: REAGWIN@FEGG.US      Invoice To: B Alberts      Project ID/No.: HOV-02-293

Samples Collected By (Signature): [Signature]      Name (Printed): BRYAN MURPHY

07020178

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	SB-2 (0-3")	2/5/07		X			1-8oz 1-2oz
	SB-2 (3"-6")					Analysis Group B	1-4oz jar
	SB-2 (1-1.25")					" " A	1-8oz 1-2oz
	SB-2 (3-3.5")					" " A	1-8oz 1-2oz
	SB-8 (0-3")					" " A	1-8oz 9/455 1-2oz
	SB-8 (3"-6")					" " B	1-4oz 9/455
	SB-8 (1-1.25")					" " A	1-8oz 9/455 1-2oz
	SB-8 (3-3.5")					" " A	1-8oz 9/455 1-2oz
	SB-9 (0-3")					" " A	1-8oz 9/455 1-2oz
	SB-9 (3"-6")				" " B	1-4oz 9/455	

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: [Signature]      Date/Time: 2/6/07      Sample Received by: [Signature]      Date/Time: 2/6

Bottles Received in Field by: \_\_\_\_\_      Date/Time: \_\_\_\_\_      Sample Relinquished by: \_\_\_\_\_      Date/Time: \_\_\_\_\_

Comments/Special Instructions: Please See Attached Request 34.c      Turn-Around Time: \_\_\_\_\_      X Standard \_\_\_\_\_ RUSH(define) \_\_\_\_\_

## Field Chain-of-Custody Record

07020178

Company Name <u>F-4-E</u>	Report To: <u>RBA@windfecc.us</u> <u>Bmursty@fecc.us</u>	Invoice To: <u>B. Albury</u>	Project ID/No. <u>140V-02-293</u>
Samples Collected By (Signature) <u>[Signature]</u>		Name (Printed) <u>BRYAN MURPHY</u>	

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	SB-9 (1-1.25')	2/5/07		X			1-8oz glass
	SB-9 (3-3.5')						1-2oz glass
	SB-10 (0-3")						1-8oz glass
	SB-10 (3"-6")						1-2oz glass
	SB-10 (1-1.25')						1-8oz glass
	SB-10 (3-3.5')						1-2oz glass
	SB-11 (0-3")						1-8oz glass
	SB-11 (3"-6")						1-2oz glass
	SB-11 (1-1.25')						1-8oz glass
	SB-11 (3-3.5')						1-2oz glass

<b>Chain-of-Custody Record</b>		Sample Received by <u>[Signature]</u> Date/Time <u>2/6</u>	
Bottles Relinquished from Lab by <u>[Signature]</u> Date/Time	Sample Relinquished by <u>[Signature]</u> Date/Time	Sample Received in LAB by <u>[Signature]</u> Date/Time	
Bottles Received in Field by <u>[Signature]</u> Date/Time		Turn-Around Time <u>3.4</u> Standard <u>X</u> RUSH(define)	
Comments/Special Instructions <u>Please see Attached Analysis Request.</u>			

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06815  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 3 of 4

Company Name: F + E      Report To: (BA-DWINEFE@YORKLABS.COM) B ALBERTS      Invoice To: B ALBERTS      Project ID/No.: HOU-02-293

Samples Collected By (Signature): [Signature]      Name (Printed): BRYAN MURPHY

07020178

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	SB-12 (0-3")	2/5/07		X			1-8oz 1-2oz
	SB-12 (3"-6")						1-4oz
	SB-12 (1-1.25')						1-8oz 1-2oz
	SB-12 (3-3.5')						1-8oz 1-2oz
	SB-13 (0-3")						1-8oz 1-2oz
	SB-13 (3"-6")						1-4oz
	SB-13 (1-1.25')						1-8oz 1-2oz
	SB-13 (3-3.5')						1-8oz 1-2oz
	SB-14 (0-3")						1-8oz 1-2oz
	SB-14 (3"-6")			V			1-4oz

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: [Signature]      Date/Time: 2/10/07

Bottles Received in Field by: [Signature]      Date/Time: 2/10

Sample Relinquished by: [Signature]      Date/Time: 2/10

Sample Received in Lab by: [Signature]      Date/Time: 2/10

Comments/Special Instructions: See Attached Analysis Request 3.4. Turn-Around Time

X Standard      RUSH(define) \_\_\_\_\_

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
 (203) 325-1371 FAX (203) 327-0166

## Field Chain-of-Custody Record

0702078

Company Name <b>F4E</b>	Report To: R. B. ADWINE/FECG. A B. MURPHY/FECG. US	Invoice To: B. Alberts	Project ID/No. HOU-OL-293	Samples Collected By (Signature) <i>[Signature]</i>	Name (Printed) BRYAN MURPHY
----------------------------	--	---------------------------	------------------------------	--	--------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	SB-14 (1-125)	2/5/07		X			1-80Z 1-20Z
	SB-14 (3-35)	" "		X			1-80Z 1-20Z

<b>Chain-of-Custody Record</b>		Sample Relinquished by <i>[Signature]</i>		Date/Time 2/6/07
Bottles Relinquished from Lab by		Sample Received by <i>[Signature]</i>		Date/Time 2/6/07
Bottles Received in Field by		Sample Relinquished by		Date/Time
Comments/Special Instructions PLEASE see Attached Analysis Request 3/4/07		Standard		RUSH(define)

Attachment : 400-02-293

Analysis Group A

SCL VOCs by EPA 8260  
STARS SVOCs by EPA 8270  
SCL Metals by EPA 6010/7471  
Pesticides/PCBs by EPA 8081  
Chlorinated Herbicides by EPA 8151  
Organophosphorus pesticides by EPA 8141

Analysis Group B

SCL Metals  
SCL Pesticides

67022178

# YORK

ANALYTICAL LABORATORIES, INC.  
120 RESEARCH DRIVE, STRATFORD, CT 06615

## Technical Report

prepared for

**Freudenthal & Elkowitz**  
1757-24 Veterans Memorial Hwy.  
Islandia, NY 11749  
Attention: Rich Baldwin

Report Date: 2/13/2007  
*Re: Client Project ID: HOU-02-293*  
York Project No.: 07020160

CT License No. PH-0723

New York License No. 10854



Report Date: 2/13/2007  
 Client Project ID: HOU-02-293  
 York Project No.: 07020160

**Freudenthal & Elkowitz**  
 1757-24 Veterans Memorial Hwy.  
 Islandia, NY 11749  
 Attention: Rich Baldwin

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 02/05/07. The project was identified as your project "HOU-02-293".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			SB-1 (0-3in)		SB-1 (3-6in)	
York Sample ID			07020160-01		07020160-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			105	16.0	192	16.0
4,4'-DDE			240	16.0	377	16.0
4,4'-DDT			245	16.0	394	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			12.6	3.30	18.4	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00

**YORK**

Client Sample ID			SB-1 (0-3in)		SB-1 (3-6in)	
York Sample ID			07020160-01		07020160-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248		
Acenaphthylene			Not detected	248		
Anthracene			Not detected	248		
Benzo[a]anthracene			Not detected	248		
Benzo[a]pyrene			Not detected	248		
Benzo[b]fluoranthene			Not detected	248		
Benzo[g,h,i]perylene			Not detected	248		
Benzo[k]fluoranthene			Not detected	248		
Chrysene			Not detected	248		
Dibenz[a,h]anthracene			Not detected	248		
Fluoranthene			Not detected	248		
Fluorene			Not detected	248		
Indeno[1,2,3-cd]pyrene			Not detected	248		
Naphthalene			Not detected	248		
Phenanthrene			Not detected	248		
Pyrene			Not detected	248		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		

**YORK**

Client Sample ID			SB-1 (0-3in)		SB-1 (3-6in)	
York Sample ID			07020160-01		07020160-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			150	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		

**YORK**

Client Sample ID			SB-1 (0-3in)		SB-1 (3-6in)	
York Sample ID			07020160-01		07020160-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kG	---	---	---	---
Arsenic			16.7	0.500	20.0	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			11.6	0.500	13.1	0.500
Copper			29.4	0.500	34.1	0.500
Lead			47.2	0.500	39.4	0.500
Nickel			7.78	0.500	8.14	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-1 (1-1.25')		SB-1 (3-3.5')	
York Sample ID			07020160-03		07020160-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			53.3	16.0	Not detected	16.0
4,4'-DDT			69.3	16.0	Not detected	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			3.79	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chlorpyrifos			PENDING	80	PENDING	80
Demeton			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-1 (1-1.25')		SB-1 (3-3.5')	
York Sample ID			07020160-03		07020160-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248	Not detected	248
Acenaphthylene			Not detected	248	Not detected	248
Anthracene			Not detected	248	Not detected	248
Benzo[a]anthracene			Not detected	248	Not detected	248
Benzo[a]pyrene			Not detected	248	Not detected	248
Benzo[b]fluoranthene			Not detected	248	Not detected	248
Benzo[g,h,i]perylene			Not detected	248	Not detected	248
Benzo[k]fluoranthene			Not detected	248	Not detected	248
Chrysene			Not detected	248	Not detected	248
Dibenz[a,h]anthracene			Not detected	248	Not detected	248
Fluoranthene			Not detected	248	Not detected	248
Fluorene			Not detected	248	Not detected	248
Indeno[1,2,3-cd]pyrene			Not detected	248	Not detected	248
Naphthalene			Not detected	248	Not detected	248
Phenanthrene			Not detected	248	Not detected	248
Pyrene			Not detected	248	Not detected	248
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-1 (1-1.25')		SB-1 (3-3.5')	
York Sample ID			07020160-03		07020160-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			11	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			6.85	0.500	0.83	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			9.84	0.500	1.94	0.500
Copper			11.0	0.500	3.09	0.500
Lead			9.30	0.500	1.76	0.500
Nickel			5.99	0.500	1.81	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

**YORK**

Client Sample ID			SB-3 (0-3in)		SB-3 (3-6in)	
York Sample ID			07020160-09		07020160-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			21.9	16.0	18.4	16.0
4,4'-DDE			34.0	16.0	24.0	16.0
4,4'-DDT			54.6	16.0	45.8	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			115	20.0	121	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			9.62	3.30	20.1	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chlorpyrifos			PENDING	80		
Demeton			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248		
Acenaphthylene			Not detected	248		
Anthracene			Not detected	248		
Benzo[a]anthracene			530	248		
Benzo[a]pyrene			260	248		
Benzo[b]fluoranthene			260	248		
Benzo[g,h,i]perylene			Not detected	248		
Benzo[k]fluoranthene			290	248		
Chrysene			610	248		
Dibenz[a,h]anthracene			Not detected	248		
Fluoranthene			1100	248		
Fluorene			Not detected	248		
Indeno[1,2,3-cd]pyrene			Not detected	248		
Naphthalene			Not detected	248		
Phenanthrene			320	248		
Pyrene			1000	248		

**YORK**

Client Sample ID			SB-3 (0-3in)		SB-3 (3-6in)	
York Sample ID			07020160-09		07020160-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kG	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		

**YORK**

Client Sample ID			SB-3 (0-3in)		SB-3 (3-6in)	
York Sample ID			07020160-09		07020160-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			200	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kg	---	---	---	---
Arsenic			8.19	0.500	7.11	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			9.81	0.500	9.34	0.500
Copper			28.6	0.500	21.7	0.500
Lead			87.1	0.500	76.8	0.500
Nickel			8.41	0.500	7.64	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-3 (1-1.25')		SB-3 (3-3.5')	
York Sample ID			07020160-11		07020160-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			73.0	16.0	503	16.0
4,4'-DDE			63.0	16.0	485	16.0
4,4'-DDT			86.9	16.0	308	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			139	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00

**YORK**

Client Sample ID			SB-3 (1-1.25')		SB-3 (3-3.5')	
York Sample ID			07020160-11		07020160-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Diieldrin			13.8	3.30	30.0	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248	Not detected	248
Acenaphthylene			Not detected	248	Not detected	248
Anthracene			Not detected	248	Not detected	248
Benzo[a]anthracene			610	248	Not detected	248
Benzo[a]pyrene			Not detected	248	Not detected	248
Benzo[b]fluoranthene			Not detected	248	Not detected	248
Benzo[g,h,i]perylene			Not detected	248	Not detected	248
Benzo[k]fluoranthene			Not detected	248	Not detected	248
Chrysene			430	248	Not detected	248
Dibenz[a,h]anthracene			Not detected	248	Not detected	248
Fluoranthene			270	248	Not detected	248
Fluorene			Not detected	248	Not detected	248
Indeno[1,2,3-cd]pyrene			Not detected	248	Not detected	248
Naphthalene			Not detected	248	Not detected	248
Phenanthrene			Not detected	248	Not detected	248
Pyrene			590	248	Not detected	248
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017

**YORK**

Client Sample ID			SB-3 (1-1.25')		SB-3 (3-3.5')	
York Sample ID			07020160-11		07020160-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-3 (1-1.25')		SB-3 (3-3.5')	
York Sample ID			07020160-11		07020160-12	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			10	10.0	43	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kG	---	---	---	---
Arsenic			8.90	0.500	26.3	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			8.83	0.500	18.1	0.500
Copper			18.1	0.500	45.4	0.500
Lead			53.6	0.500	39.8	0.500
Nickel			6.43	0.500	10.1	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-4 (0-3in)		SB-4 (3-6in)	
York Sample ID			07020160-13		07020160-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			42.4	16.0	27.6	16.0
4,4'-DDE			219	16.0	175	16.0
4,4'-DDT			421	16.0	345	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			74.2	20.0	63.1	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			17.5	3.30	14.8	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200

**YORK**

Client Sample ID			SB-4 (0-3in)		SB-4 (3-6in)	
York Sample ID			07020160-13		07020160-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demecon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248		
Acenaphthylene			Not detected	248		
Anthracene			Not detected	248		
Benzo[a]anthracene			Not detected	248		
Benzo[a]pyrene			Not detected	248		
Benzo[b]fluoranthene			Not detected	248		
Benzo[g,h,i]perylene			Not detected	248		
Benzo[k]fluoranthene			Not detected	248		
Chrysene			Not detected	248		
Dibenz[a,h]anthracene			Not detected	248		
Fluoranthene			Not detected	248		
Fluorene			Not detected	248		
Indeno[1,2,3-cd]pyrene			Not detected	248		
Naphthalene			Not detected	248		
Phenanthrene			Not detected	248		
Pyrene			Not detected	248		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-4 (0-3in)		SB-4 (3-6in)	
York Sample ID			07020160-13		07020160-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			170	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		

**YORK**

Client Sample ID			SB-4 (0-3in)		SB-4 (3-6in)	
York Sample ID			07020160-13		07020160-14	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kg	---	---	---	---
Arsenic			28.2	0.500	25.2	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			18.0	0.500	17.0	0.500
Copper			43.4	0.500	40.5	0.500
Lead			29.8	0.500	28.8	0.500
Nickel			9.86	0.500	9.50	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-4 (1-1.25')		SB-4 (3-3.5')	
York Sample ID			07020160-15		07020160-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			65.1	16.0	Not detected	16.0
4,4'-DDT			117	16.0	Not detected	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			5.09	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeton			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-4 (1-1.25')		SB-4 (3-3.5')	
York Sample ID			07020160-15		07020160-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248	Not detected	248
Acenaphthylene			Not detected	248	Not detected	248
Anthracene			Not detected	248	Not detected	248
Benzo[a]anthracene			Not detected	248	Not detected	248
Benzo[a]pyrene			Not detected	248	Not detected	248
Benzo[b]fluoranthene			Not detected	248	Not detected	248
Benzo[g,h,i]perylene			Not detected	248	Not detected	248
Benzo[k]fluoranthene			Not detected	248	Not detected	248
Chrysene			Not detected	248	Not detected	248
Dibenz[a,h]anthracene			Not detected	248	Not detected	248
Fluoranthene			Not detected	248	Not detected	248
Fluorene			Not detected	248	Not detected	248
Indeno[1,2,3-cd]pyrene			Not detected	248	Not detected	248
Naphthalene			Not detected	248	Not detected	248
Phenanthrene			Not detected	248	Not detected	248
Pyrene			Not detected	248	Not detected	248
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-4 (1-1.25')		SB-4 (3-3.5')	
York Sample ID			07020160-15		07020160-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-4 (1-1.25')		SB-4 (3-3.5')	
York Sample ID			07020160-15		07020160-16	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kG	---	---	---	---
Arsenic			9.10	0.500	1.34	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			15.3	0.500	2.50	0.500
Copper			17.0	0.500	3.47	0.500
Lead			11.8	0.500	1.86	0.500
Nickel			10.5	0.500	2.38	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-5 (0-3in)		SB-5 (3-6in)	
York Sample ID			07020160-17		07020160-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			23.2	16.0	34.8	16.0
4,4'-DDE			268	16.0	410	16.0
4,4'-DDT			310	16.0	426	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			6.17	3.30	7.24	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		

**YORK**

Client Sample ID			SB-5 (0-3in)		SB-5 (3-6in)	
York Sample ID			07020160-17		07020160-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	2480		
Acenaphthylene			Not detected	2480		
Anthracene			Not detected	2480		
Benzo[a]anthracene			8000	2480		
Benzo[a]pyrene			6700	2480		
Benzo[b]fluoranthene			6800	2480		
Benzo[g,h,i]perylene			Not detected	2480		
Benzo[k]fluoranthene			6400	2480		
Chrysene			7700	2480		
Dibenz[a,h]anthracene			Not detected	2480		
Fluoranthene			21000	2480		
Fluorene			Not detected	2480		
Indeno[1,2,3-cd]pyrene			Not detected	2480		
Naphthalene			Not detected	2480		
Phenanthrene			11000	2480		
Pyrene			16000	2480		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-5 (0-3in)		SB-5 (3-6in)	
York Sample ID			07020160-17		07020160-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			50	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		

**YORK**

Client Sample ID			SB-5 (0-3in)		SB-5 (3-6in)	
York Sample ID			07020160-17		07020160-18	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kg	---	---	---	---
Arsenic			18.2	0.500	24.6	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			14.3	0.500	15.3	0.500
Copper			27.6	0.500	31.2	0.500
Lead			34.0	0.500	27.5	0.500
Nickel			8.76	0.500	9.42	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-5 (1-1.25')		SB-5 (3-3.5')	
York Sample ID			07020160-19		07020160-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			16.1	16.0	27.9	16.0
4,4'-DDE			119	16.0	709	16.0
4,4'-DDT			154	16.0	503	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			3.45	3.30	58.0	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-5 (1-1.25')		SB-5 (3-3.5')	
York Sample ID			07020160-19		07020160-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	495	Not detected	165
Acenaphthylene			Not detected	495	Not detected	165
Anthracene			Not detected	495	Not detected	165
Benzo[a]anthracene			1600	495	240	165
Benzo[a]pyrene			960	495	180	165
Benzo[b]fluoranthene			980	495	Not detected	165
Benzo[g,h,i]perylene			Not detected	495	Not detected	165
Benzo[k]fluoranthene			1100	495	200	165
Chrysene			1500	495	220	165
Dibenz[a,h]anthracene			Not detected	495	Not detected	165
Fluoranthene			3900	495	570	165
Fluorene			Not detected	495	Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	495	Not detected	165
Naphthalene			Not detected	495	Not detected	165
Phenanthrene			1900	495	320	165
Pyrene			3200	495	480	165
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-5 (1-1.25')		SB-5 (3-3.5')	
York Sample ID			07020160-19		07020160-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			13	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-5 (1-1.25')		SB-5 (3-3.5')	
York Sample ID			07020160-19		07020160-20	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kG	---	---	---	---
Arsenic			14.1	0.500	5.89	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			15.7	0.500	6.04	0.500
Copper			19.7	0.500	8.83	0.500
Lead			20.4	0.500	6.71	0.500
Nickel			10.5	0.500	5.11	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-6 (0-3in)		SB-6 (3-6in)	
York Sample ID			07020160-21		07020160-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	27.5	16.0
4,4'-DDE			64.5	16.0	1100	16.0
4,4'-DDT			77.4	16.0	1100	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			3.21	3.30	93.8	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chlorpyrifos			PENDING	80		
Demeton			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		

**YORK**

Client Sample ID			SB-6 (0-3in)		SB-6 (3-6in)	
York Sample ID			07020160-21		07020160-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Semi-Volatiles, STARS List</b>	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	495		
Acenaphthylene			Not detected	495		
Anthracene			Not detected	495		
Benzo[a]anthracene			Not detected	495		
Benzo[a]pyrene			Not detected	495		
Benzo[b]fluoranthene			Not detected	495		
Benzo[g,h,i]perylene			Not detected	495		
Benzo[k]fluoranthene			Not detected	495		
Chrysene			Not detected	495		
Dibenz[a,h]anthracene			Not detected	495		
Fluoranthene			Not detected	495		
Fluorene			Not detected	495		
Indeno[1,2,3-cd]pyrene			Not detected	495		
Naphthalene			Not detected	495		
Phenanthrene			Not detected	495		
Pyrene			Not detected	495		
<b>Herbicides</b>	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
<b>PCB</b>	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
<b>Volatiles, Suff. Co. App. A DHS List</b>	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-6 (0-3in)		SB-6 (3-6in)	
York Sample ID			07020160-21		07020160-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			110	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		

**YORK**

Client Sample ID			SB-6 (0-3in)		SB-6 (3-6in)	
York Sample ID			07020160-21		07020160-22	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kg	--	--	---	---
Arsenic			24.8	0.500	52.2	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			13.0	0.500	18.4	0.500
Copper			28.9	0.500	49.3	0.500
Lead			36.1	0.500	43.2	0.500
Nickel			7.37	0.500	9.14	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-6 (1-1.25')		SB-6 (3-3.5')	
York Sample ID			07020160-23		07020160-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Pesticides, 8081 List	SW846-3550B/8081	ug/Kg	--	--	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			79.0	16.0	84.1	16.0
4,4'-DDT			99.3	16.0	66.8	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			4.10	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
Organophosphorous Pesticides	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeton			PENDING	80	PENDING	80
Disazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-6 (1-1.25')		SB-6 (3-3.5')	
York Sample ID			07020160-23		07020160-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	248	Not detected	248
Acenaphthylene			Not detected	248	Not detected	248
Anthracene			Not detected	248	Not detected	248
Benzo[a]anthracene			Not detected	248	Not detected	248
Benzo[a]pyrene			Not detected	248	Not detected	248
Benzo[b]fluoranthene			Not detected	248	Not detected	248
Benzo[g,h,i]perylene			Not detected	248	Not detected	248
Benzo[k]fluoranthene			Not detected	248	Not detected	248
Chrysene			Not detected	248	Not detected	248
Dibenz[a,h]anthracene			Not detected	248	Not detected	248
Fluoranthene			Not detected	248	Not detected	248
Fluorene			Not detected	248	Not detected	248
Indeno[1,2,3-cd]pyrene			Not detected	248	Not detected	248
Naphthalene			Not detected	248	Not detected	248
Phenanthrene			Not detected	248	Not detected	248
Pyrene			Not detected	248	Not detected	248
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-6 (1-1.25')		SB-6 (3-3.5')	
York Sample ID			07020160-23		07020160-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			53	10.0	22	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-6 (1-1.25')		SB-6 (3-3.5')	
York Sample ID			07020160-23		07020160-24	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kG	---	---	---	---
Arsenic			15.1	0.500	8.29	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			22.4	0.500	18.4	0.500
Copper			18.2	0.500	12.9	0.500
Lead			21.4	0.500	12.1	0.500
Nickel			11.7	0.500	12.5	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-7 (0-3in)		SB-7 (3-6in)	
York Sample ID			07020160-25		07020160-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			69.9	16.0	119	16.0
4,4'-DDT			65.8	16.0	117	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	7.27	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80		
Chloropyrifos			PENDING	80		
Demeon			PENDING	80		
Diazinon			PENDING	80		
Disulfoton			PENDING	80		
Malathion			PENDING	80		
Methyl parathion			PENDING	80		
Parathion			PENDING	80		
Sulfotepp			PENDING	80		

**YORK**

Client Sample ID			SB-7 (0-3in)		SB-7 (3-6in)	
York Sample ID			07020160-25		07020160-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kg	--	--	--	--
Acenaphthene			Not detected	248		
Acenaphthylene			Not detected	248		
Anthracene			Not detected	248		
Benzo[a]anthracene			Not detected	248		
Benzo[a]pyrene			Not detected	248		
Benzo[b]fluoranthene			Not detected	248		
Benzo[g,h,i]perylene			Not detected	248		
Benzo[k]fluoranthene			Not detected	248		
Chrysene			Not detected	248		
Dibenz[a,h]anthracene			Not detected	248		
Fluoranthene			Not detected	248		
Fluorene			Not detected	248		
Indeno[1,2,3-cd]pyrene			Not detected	248		
Naphthalene			Not detected	248		
Phenanthrene			Not detected	248		
Pyrene			Not detected	248		
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100		
2,4-D			Not detected	100		
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017		
PCB 1221			Not detected	0.017		
PCB 1232			Not detected	0.017		
PCB 1242			Not detected	0.017		
PCB 1248			Not detected	0.017		
PCB 1254			Not detected	0.017		
PCB 1260			Not detected	0.017		
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0		
1,1,1-Trichloroethane			Not detected	10.0		
1,1,2,2-Tetrachloroethane			Not detected	10.0		
1,1,2-Trichloroethane			Not detected	10.0		
1,1-Dichloroethane			Not detected	10.0		
1,1-Dichloroethene			Not detected	10.0		
1,1-Dichloropropene			Not detected	10.0		
1,2,3-Trichlorobenzene			Not detected	10.0		
1,2,3-Trichloropropane			Not detected	10.0		
1,2,4,5-Tetramethylbenzene			Not detected	10.0		
1,2,4-Trichlorobenzene			Not detected	10.0		
1,2,4-Trimethylbenzene			Not detected	10.0		
1,2-Dibromo-3-chloropropane			Not detected	10.0		
1,2-Dibromoethane			Not detected	10.0		
1,2-Dichlorobenzene			Not detected	10.0		
1,2-Dichloroethane			Not detected	10.0		
1,2-Dichloropropane			Not detected	10.0		
1,3,5-Trimethylbenzene			Not detected	10.0		
1,3-Dichlorobenzene			Not detected	10.0		
1,3-Dichloropropane			Not detected	10.0		
1,4-Dichlorobenzene			Not detected	10.0		

**YORK**

Client Sample ID			SB-7 (0-3in)		SB-7 (3-6in)	
York Sample ID			07020160-25		07020160-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0		
Acetone			Not detected	10.0		
Benzene			Not detected	10.0		
Bromobenzene			Not detected	10.0		
Bromochloromethane			Not detected	10.0		
Bromodichloromethane			Not detected	10.0		
Bromoform			Not detected	10.0		
Carbon Tetrachloride			Not detected	10.0		
Chlorobenzene			Not detected	10.0		
Chloroethane			Not detected	10.0		
Chloroform			Not detected	10.0		
Chlorotoluenes, total			Not detected	10.0		
cis-1,2-Dichloroethene			Not detected	10.0		
cis-1,3-Dichloropropene			Not detected	10.0		
Dibromochloromethane			Not detected	10.0		
Dibromomethane			Not detected	10.0		
Dichlorodifluoromethane			Not detected	10.0		
Ethylbenzene			Not detected	10.0		
Freon-113			Not detected	10.0		
Hexachlorobutadiene			Not detected	10.0		
Isopropylbenzene			Not detected	10.0		
Methyl ethyl ketone			Not detected	10.0		
Methyl isobutyl ketone			Not detected	10.0		
Methylene Chloride			Not detected	10.0		
MTBE (methyl tert-butyl ether)			Not detected	10.0		
Naphthalene			Not detected	10.0		
n-Butylbenzene			Not detected	10.0		
n-Propylbenzene			Not detected	10.0		
p-Diethylbenzene			Not detected	10.0		
p-Ethyltoluene			Not detected	10.0		
p-Isopropyltoluene			Not detected	10.0		
sec-Butylbenzene			Not detected	10.0		
Styrene			Not detected	10.0		
tert-Butylbenzene			Not detected	10.0		
Tetrachloroethene			25	10.0		
Toluene			Not detected	10.0		
trans-1,2-Dichloroethene			Not detected	10.0		
trans-1,3-Dichloropropene			Not detected	10.0		
Trichloroethene			Not detected	10.0		
Trichlorofluoromethane			Not detected	10.0		
Vinyl Chloride			Not detected	10.0		
Xylenes, total			Not detected	10.0		

**YORK**

Client Sample ID			SB-7 (0-3in)		SB-7 (3-6in)	
York Sample ID			07020160-25		07020160-26	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Metals, Suffolk Co. App. B List</b>	SW846-6010A	mg/kgG	---	---	---	---
Arsenic			18.9	0.500	21.2	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			17.7	0.500	19.9	0.500
Copper			28.5	0.500	31.1	0.500
Lead			17.7	0.500	19.9	0.500
Nickel			11.0	0.500	12.1	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kgG	Not detected	0.10	Not detected	0.10

Client Sample ID			SB-7 (1-1.25')		SB-7 (3-3.5')	
York Sample ID			07020160-27		07020160-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Pesticides, 8081 List</b>	SW846-3550B/8081	ug/Kg	---	---	---	---
4,4'-DDD			Not detected	16.0	Not detected	16.0
4,4'-DDE			20.9	16.0	Not detected	16.0
4,4'-DDT			22.1	16.0	Not detected	16.0
Aldrin			Not detected	8.00	Not detected	8.00
alpha-BHC			Not detected	8.00	Not detected	8.00
beta-BHC			Not detected	8.00	Not detected	8.00
Chlordane			Not detected	20.0	Not detected	20.0
delta-BHC			Not detected	8.00	Not detected	8.00
Dieldrin			Not detected	3.30	Not detected	3.30
Endosulfan I			Not detected	8.00	Not detected	8.00
Endosulfan II			Not detected	16.0	Not detected	16.0
Endosulfan sulfate			Not detected	16.0	Not detected	16.0
Endrin			Not detected	16.0	Not detected	16.0
Endrin aldehyde			Not detected	16.0	Not detected	16.0
gamma-BHC (Lindane)			Not detected	8.00	Not detected	8.00
Heptachlor			Not detected	8.00	Not detected	8.00
Heptachlor epoxide			Not detected	8.00	Not detected	8.00
Methoxychlor			Not detected	80.0	Not detected	80.0
Toxaphene			Not detected	200	Not detected	200
<b>Organophosphorous Pesticides</b>	8141	ug/Kg	---	---	---	---
Azinphos methyl			PENDING	80	PENDING	80
Chloropyrifos			PENDING	80	PENDING	80
Demeon			PENDING	80	PENDING	80
Diazinon			PENDING	80	PENDING	80
Disulfoton			PENDING	80	PENDING	80
Malathion			PENDING	80	PENDING	80
Methyl parathion			PENDING	80	PENDING	80
Parathion			PENDING	80	PENDING	80
Sulfotepp			PENDING	80	PENDING	80

**YORK**

Client Sample ID			SB-7 (1-1.25')		SB-7 (3-3.5')	
York Sample ID			07020160-27		07020160-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Semi-Volatiles, STARS List	SW846-8270	ug/kg	---	---	---	---
Acenaphthene			Not detected	165	Not detected	248
Acenaphthylene			Not detected	165	Not detected	248
Anthracene			Not detected	165	Not detected	248
Benzo[a]anthracene			Not detected	165	Not detected	248
Benzo[a]pyrene			Not detected	165	Not detected	248
Benzo[b]fluoranthene			Not detected	165	Not detected	248
Benzo[g,h,i]perylene			Not detected	165	Not detected	248
Benzo[k]fluoranthene			Not detected	165	Not detected	248
Chrysene			Not detected	165	Not detected	248
Dibenz[a,h]anthracene			Not detected	165	Not detected	248
Fluoranthene			Not detected	165	Not detected	248
Fluorene			Not detected	165	Not detected	248
Indeno[1,2,3-cd]pyrene			Not detected	165	Not detected	248
Naphthalene			Not detected	165	Not detected	248
Phenanthrene			Not detected	165	Not detected	248
Pyrene			Not detected	165	Not detected	248
Herbicides	EPA SW846-8151	ug/kg	---	---	---	---
2,4,5-TP (Silvex)			Not detected	100	Not detected	100
2,4-D			Not detected	100	Not detected	100
PCB	SW846-3550B/8082	mg/Kg	---	---	---	---
PCB 1016			Not detected	0.017	Not detected	0.017
PCB 1221			Not detected	0.017	Not detected	0.017
PCB 1232			Not detected	0.017	Not detected	0.017
PCB 1242			Not detected	0.017	Not detected	0.017
PCB 1248			Not detected	0.017	Not detected	0.017
PCB 1254			Not detected	0.017	Not detected	0.017
PCB 1260			Not detected	0.017	Not detected	0.017
Volatiles, Suff. Co. App. A DHS List	SW846-8260	ug/kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,1-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1,2,2-Tetrachloroethane			Not detected	10.0	Not detected	10.0
1,1,2-Trichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethane			Not detected	10.0	Not detected	10.0
1,1-Dichloroethene			Not detected	10.0	Not detected	10.0
1,1-Dichloropropene			Not detected	10.0	Not detected	10.0
1,2,3-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,3-Trichloropropane			Not detected	10.0	Not detected	10.0
1,2,4,5-Tetramethylbenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trichlorobenzene			Not detected	10.0	Not detected	10.0
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,2-Dibromo-3-chloropropane			Not detected	10.0	Not detected	10.0
1,2-Dibromoethane			Not detected	10.0	Not detected	10.0
1,2-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,2-Dichloroethane			Not detected	10.0	Not detected	10.0
1,2-Dichloropropane			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3-Dichlorobenzene			Not detected	10.0	Not detected	10.0
1,3-Dichloropropane			Not detected	10.0	Not detected	10.0
1,4-Dichlorobenzene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			SB-7 (1-1.25')		SB-7 (3-3.5')	
York Sample ID			07020160-27		07020160-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,2-Dichloropropane			Not detected	10.0	Not detected	10.0
Acetone			Not detected	10.0	Not detected	10.0
Benzene			Not detected	10.0	Not detected	10.0
Bromobenzene			Not detected	10.0	Not detected	10.0
Bromochloromethane			Not detected	10.0	Not detected	10.0
Bromodichloromethane			Not detected	10.0	Not detected	10.0
Bromoform			Not detected	10.0	Not detected	10.0
Carbon Tetrachloride			Not detected	10.0	Not detected	10.0
Chlorobenzene			Not detected	10.0	Not detected	10.0
Chloroethane			Not detected	10.0	Not detected	10.0
Chloroform			Not detected	10.0	Not detected	10.0
Chlorotoluenes, total			Not detected	10.0	Not detected	10.0
cis-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
cis-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Dibromochloromethane			Not detected	10.0	Not detected	10.0
Dibromomethane			Not detected	10.0	Not detected	10.0
Dichlorodifluoromethane			Not detected	10.0	Not detected	10.0
Ethylbenzene			Not detected	10.0	Not detected	10.0
Freon-113			Not detected	10.0	Not detected	10.0
Hexachlorobutadiene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl ethyl ketone			Not detected	10.0	Not detected	10.0
Methyl isobutyl ketone			Not detected	10.0	Not detected	10.0
Methylene Chloride			Not detected	10.0	Not detected	10.0
MTBE (methyl tert-butyl ether)			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
p-Diethylbenzene			Not detected	10.0	Not detected	10.0
p-Ethyltoluene			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
Styrene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Tetrachloroethene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
trans-1,2-Dichloroethene			Not detected	10.0	Not detected	10.0
trans-1,3-Dichloropropene			Not detected	10.0	Not detected	10.0
Trichloroethene			Not detected	10.0	Not detected	10.0
Trichlorofluoromethane			Not detected	10.0	Not detected	10.0
Vinyl Chloride			Not detected	10.0	Not detected	10.0
Xylenes, total			Not detected	10.0	Not detected	10.0

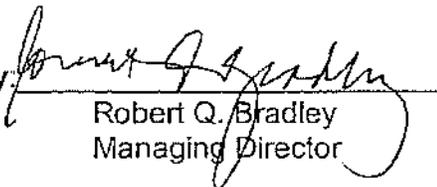
**YORK**

Client Sample ID			SB-7 (1-1.25')		SB-7 (3-3.5')	
York Sample ID			07020160-27		07020160-28	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Suffolk Co. App. B List	SW846-6010A	mg/kg	---	---	---	---
Arsenic			7.20	0.500	1.55	0.500
Beryllium			Not detected	0.050	Not detected	0.050
Cadmium			Not detected	0.500	Not detected	0.500
Chromium			8.19	0.500	2.28	0.500
Copper			11.4	0.500	4.25	0.500
Lead			7.07	0.500	2.24	0.500
Nickel			7.09	0.500	2.38	0.500
Silver			Not detected	0.500	Not detected	0.500
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 07020160**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that Organophosphorous Pesticides analyses reported herein were subcontracted to Phoenix Labs., Manchester, CT.

Approved By:   
 Robert Q. Bradley  
 Managing Director

Date: 2/13/2007

**YORK**

Chain of Custody Attachment

Analysis Group A:

SCL VOCs

STARS SVOCs

SCL Metals

Pesticides/PCBs by EPA 8081

Chlorinated herbicides by EPA 8151

Organophosphorus pesticides by EPA 8141

Analysis Group B

SCL Pesticides

SCL Metals

07020160

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
 (203) 325-1371 FAX (203) 327-0166

# Field Chain-of-Custody Record

Page 1 of 3

Company Name: FAE Report To: BURTON@FEA.US Invoice To: B. Alberts Project ID/No.: 60602-293

Samples Collected By (Signature): [Signature] Name (Printed): Mark D. Moran

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
SB-1 (0-3")		2/2/07		X			Analysis group A (See Attached)	1-8oz 1-2oz
SB-1 (3-6")							Analysis group B	1-4oz
SB-1 (1-1.25')							" " A	1-8oz 1-2oz
SB-1 (3-3.5')							" " A	1-8oz 1-2oz
SB-2 (0-3")							" " A	1-8oz 1-2oz
SB-2 (3-6")							" " B	1-4oz
SB-2 (1-1.25')							" " A	1-8oz 1-2oz
SB-2 (3-3.5')							" " A	1-8oz 1-2oz
SB-3 (0-3")							" " A	1-8oz 1-2oz
SB-3 (3-6")							" " B	1-4oz

**Chain-of-Custody Record**

Bottles Relinquished from Lab by: [Signature] Date/Time: 2/2/07

Bottles Relinquished in Field by: [Signature] Date/Time: 2/2/07

Sample Relinquished by: [Signature] Date/Time: 2/2/07

Sample Relinquished in Lab by: [Signature] Date/Time: 2/5 3:30

Turn-Around Time: 3.4h X Standard RUSH(define) \_\_\_\_\_

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

0700100

<b>Company Name</b> FILE	<b>Report To:</b> BUREAU @ FCCG.US RICH BARDWIN	<b>Invoice To:</b> B, Alberts	<b>Project ID/No.</b> HOV-02-29B	<b>Samples Collected By (Signature)</b> <i>[Signature]</i>	<b>Name (Printed)</b> Mark DeMa
-----------------------------	---	----------------------------------	-------------------------------------	---	------------------------------------

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	SB-3 (1-1.25')	2/2/07		X			1-8oz 1-2oz
	SB-3 (3-3.5')						1-8oz 1-2oz
	SB-4 (0-3")						1-8oz 1-2oz
	SB-4 (3-6")						1-4oz
	SB-4 (1-1.25')						1-8oz 1-2oz
	SB-4 (3-3.5')						1-8oz 1-2oz
	SB-5 (0-3")						1-8oz 1-2oz
	SB-5 (3-6")						1-4oz
	SB-5 (1-1.25')						1-8oz 1-2oz
	SB-5 (3-3.5')						1-8oz 1-2oz

<b>Chain-of-Custody Record</b>	<b>Bottles Relinquished from Lab by</b> <i>[Signature]</i>	<b>Date/Time</b> 2/2/07	<b>Sample Relinquished by</b> <i>[Signature]</i>	<b>Date/Time</b> 2/2/07	<b>Sample Received by</b> <i>[Signature]</i>	<b>Date/Time</b> 2/5/07
<b>Bottles Received in Field by</b>	<b>Date/Time</b>	<b>Sample Relinquished by</b>	<b>Date/Time</b>	<b>Sample Received in LAB by</b>	<b>Date/Time</b>	<b>Turn-Around Time</b>
<b>Comments/Special Instructions</b>						3.41 X Standard ___ RUSH(define) ___

## Field Chain-of-Custody Record

01010100

<u>Company Name</u> F4E	<u>Report To:</u> BRUNY & FEGANUS RICH BA LOWARD	<u>Invoice To:</u> B. Alberts	<u>Project ID/No.</u> H01-02-293	<u>Name (Printed)</u> M. J. ...
				<u>Samples Collected By (Signature)</u> M. J. ...

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
SB-6 (0-3")		2/2/07		X			Analysis group A (Sec. Attached) 1-802 1-202
SB-6 (3-6")							" " B 1-402
SB-6 (1-1.25')							" " A 1-802 1-202
SB-6 (3-3.5')							" " A 1-802 1-202
SB-7 (0-3")							" " A 1-802 1-202
SB-7 (3-6")							" " B 1-802 1-202
SB-7 (1-1.25')							" " A 1-802 1-202
SB-7 (3-3.5')							" " A 1-802 1-202

<u>Chain-of-Custody Record</u>	<u>Sample Relinquished by</u> Tom	<u>Date/Time</u> 2/2/07	<u>Sample Received by</u> [Signature]	<u>Date/Time</u> 3/5/0
<u>Bottles Relinquished from Lab by</u>	<u>Sample Relinquished by</u>	<u>Date/Time</u>	<u>Sample Received in LAB by</u>	<u>Date/Time</u>
<u>Bottles Received in Field by</u>			<u>Turn-Around Time</u> 3.11c	<u>Standard</u> RUSH(define)

Comments/Special Instructions

# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

368 Veterans Memorial Highway, Suite 3

Commack, New York 11725

Tel: (631) 499-2222

Fax: (631) 499-5928

feug@feeg.us

October 2, 2006

Ms. Susan Lagville  
Housing Help, Inc.  
91 Broadway  
Greenlawn, New York 11740

Re: Site Assessment/Soil Management Plan  
Proposed Development of Matinecock Court

Dear Ms. Lagville:

The purpose of this correspondence is to provide Housing Help, Inc. with the Freudenthal & Elkowitz Consulting Group, Inc. ("F&E") plan to assess on-site soil conditions associated with reported former agricultural uses at the above-referenced property (see Figure 1). Further, this document also provides F&E's proposed Soil Management Plan ("SMP") in the event that surficial soil impacts, typically associated with agricultural uses and potential impacts associated with the nearby electrical substation, are documented as part of the aforementioned assessment.

## Site Background

A Phase I Environmental Site Assessment ("ESA") was prepared for the subject property by Bienstock, Lucchesi & Associates, P.C. ("BL&A") in February 1994. According to the Phase I ESA, the site was historically utilized for agricultural purposes although there were no indications of recent cultivation activities. Based upon the results of its work, BL&A concluded:

- *"There is no obvious potential for contamination from any past or present onsite activity.*
- *... the existing hydrogeological conditions pose no significant environmental risk to this project.*
- *.. there is no evidence of any potential for contamination of the site from offsite facilities.*
- *Based on the information found from the environmental records review, the site should not be significantly impacted negatively from any past or current offsite operation.*
- *Based on our evaluation of the available data and the results of the site visitation, we do not foresee any situation of concern (sic) from existing environmental conditions and therefore, we do not see the need to continue the audit process with a Phase II investigation and report."*

Notwithstanding the above, to address the Town's specific concerns, prior to construction, a systematic sampling program will be conducted, under the supervision of the appropriate regulatory agency(s), to evaluate on-site soil quality conditions. Surficial (e.g., surface-to-three-inches below grade surface ["bgs"]) and subsurface (e.g., 1.0-to-1.25-foot bgs and 3.0-to-3.5-foot bgs) will be collected from across the subject property and analyzed for one or more of the following (depending on the area of the subject property being tested): Suffolk County List ("SCL") volatile organic compounds ("VOCs") by EPA Method 8260, New York State Department of Environmental Conservation ("NYSDEC") STARS semi-volatile organic compounds ("SVOCs") by EPA Method 8270, SCL metals by the EPA 6010/7471 Series, pesticides/PCBs by EPA Method 8081, chlorinated herbicides by EPA Method 8151 and organophosphorus pesticides by EPA Method 8141. The aforementioned analytical suite will allow for the detection and quantification of hazardous materials and substances, which could be encountered at the subject property given its history.

The Town indicated that the soil analytical results should be compared to the NYSDEC Recommended Soil Cleanup Objectives ("RSCOs") included in NYSDEC Technical Administrative Guidance Memorandum ("TAGM") 4046; *Determination of Soil Cleanup Objectives and Cleanup Levels*, revised in April 1995, and updated in 2000. However, the SCDHS has established protocols set forth in the *Draft Guidance Document SCDHS Division of Environmental Quality Procedures for Subdivisions, Developments or other Construction Projects with Potentially Contaminated Soils* (issued in draft form on April 24, 2003). According to that document, pesticide and metals analytical results are to be compared to the United States Environmental Protection Agency ("USEPA") draft Soil Screening Levels ("SSL") for Residential Scenario.<sup>1</sup>

Based on past experience with other former agricultural-use properties, the highest concentrations of residual pesticides and herbicides are limited to the shallower soil interval (between the surface to two-foot bgs) and decrease substantially (e.g., below actionable concentrations) with increased depth below grade. Therefore, based upon these site characteristics, and if pesticides and/or herbicides are detected on the site above actionable concentrations, a reasonable and easily implemented SMP can be developed to address the detected exceedances of residual pesticides and arsenic. The SMP would include removing impacted soils to reduce concentrations in areas of potential exposure routes such as future residential yard areas. This typically includes a re-testing of surface soil for residual pesticide concentrations at the time of final grading and site development at areas not under building footprints or other impervious surfaces. Additionally, impacted soils may be utilized as fill material for naturally occurring low lying areas or vegetated berms may be constructed along the perimeters of the site.

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<sup>1</sup> Set forth in Appendix A of the *USEPA Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* issued draft March 2001.

Please note that in February of 2006, the SCDHS revised its position on this issue and will no longer provide regulatory oversight. Reportedly, the SCDHS will provide local government (e.g., Towns, Villages, etc.) with technical guidance documents and support upon request, but will not provide oversight or signoff.

The SCDHS protocol is based on the premise that pesticide-impacted soils pose a risk to future residents through ingestion or dermal contact with same. The aforementioned mitigation measures are designed to keep residents of mitigated sites from coming into contact with impacted soils.

If identified, any soils containing PCBs in contravention of NYSDEC RSCOs would be addressed in accordance with prevailing regulations. Further, the property owner would request that LIPA, the current owner of the substation, be responsible for any required soil remediation.

### **Soil Sampling Plan**

Based upon the above, this Soil Sampling Plan has been developed. The Plan addresses the following SCDHS requirements and assumes that appropriate regulatory personnel would be on-site during the selection of soil sampling locations to ensure its concurrence with same:

- Collection of soil samples from 14 representative on-site locations. The soil samples would be collected from the surface-to-three-inches bgs, 1.0-to-1.25-feet bgs and 3.0-to-3.5-feet bgs. The final sampling locations and list of analytes would be selected based upon a number of factors including but not limited to the presence of low-lying areas (e.g., areas which received maximum stormwater runoff) and pesticide mixing areas (e.g., near irrigation wells, etc.), and to provide site-wide coverage of soil conditions; and
- The analytical results would be compared to the USEPA generic SSLs for the residential scenario and NYSDEC RSCOs.

### **Soil Management Plan**

In accordance with recent SCDHS guidance,<sup>2</sup> the following protocols are acceptable for addressing impacted soils: *“Remediation measures may include removal and proper off-site disposal, with or without replacement with clean soils. Mitigation measures may include options such as: vertical mixing, where it can be demonstrated that cleaner soils are present below the surface; on-site stockpiling, e.g., in landscape berms, and revegetation at a portion of the site that will remain as undeveloped open space (i.e., buffer areas, not playgrounds or ball fields). On-site burial in excavated areas, or disposal below paving or an impervious cap may also be considered, depending on contaminant concentrations, where potential ground and surface water impacts are not issues.”*

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<sup>2</sup> Included in the SCDHS draft guidance document entitled *Procedures for Subdivisions, Developments, or Other Construction Projects with Potentially Contaminated Soils (Draft 04/24/03)*.

The SCDHS protocol is based on the premise that pesticide-impacted soils pose a risk to future residents through ingestion or dermal contact with same. The aforementioned mitigation measures are designed to keep residents of mitigated sites from coming into contact with impacted soils.

In F&E's experience, pesticide-impacted soils can be effectively mitigated according to SCDHS protocols during the site-development stage of construction projects. Thus, the following would be conducted as part of the SMP in the event that pesticide-impacted soils are confirmed to be present on the subject property:

- Pilot testing would be conducted in order to design a cost-effective and applicable mitigation plan. The pilot testing would be performed on the portion of the subject property, which exhibits the greatest soil pesticide impacts. The pilot test protocols would include stripping of various amounts of topsoil and vertically mixing each area to different depths. Post-test soil samples would be collected and analyzed for those analytes detected in contravention of regulatory thresholds. The results of the pilot testing would be utilized to determine the amount of soil stripping required, and depth of vertical mixing required;
- Depending upon the results of the pilot testing, the first six-to-eight-inches of topsoil would be removed from its current locations. Same would be placed under impermeable surfaces such as roadways, tennis courts, etc. (assuming that the soils are acceptable from an engineering perspective), in soil berms which are eventually covered with clean top soil; within over-excavated areas (e.g., utility rights-of-way or under berms); or areas which would be fenced, thereby restricting access;
- The remaining soil areas to be developed for residential use would be vertically mixed, utilizing plows or similar equipment, to dilute the remaining pesticides within the shallower soils with unimpacted deeper soils. Please note that airborne dust-suppression techniques would be implemented during the soil mitigation process. A New York State Department of Health ("NYSDOH")-compliant air monitoring plan will be implemented to ensure that fugitive dust does not migrate past the site boundaries;
- Up to 14 surficial soil samples would be collected and analyzed to confirm post-mitigation soil conditions; and
- Deeper soil mixing to further address soils found not completely mitigated during the preliminary soil mixing program and re-testing to confirm satisfactory mitigation results.

All of the aforementioned mitigation measures can be implemented with equipment typically utilized during site development.

Ms. Susan Lagville  
Housing Help, Inc.

October 2, 2006  
Page 5

Please feel free to call me with any questions you may have.

Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.

A handwritten signature in black ink, appearing to read 'RJB' followed by a long horizontal flourish.

Richard J. Baldwin, CPG  
Vice President, Environmental Services

RJB/th  
enc.



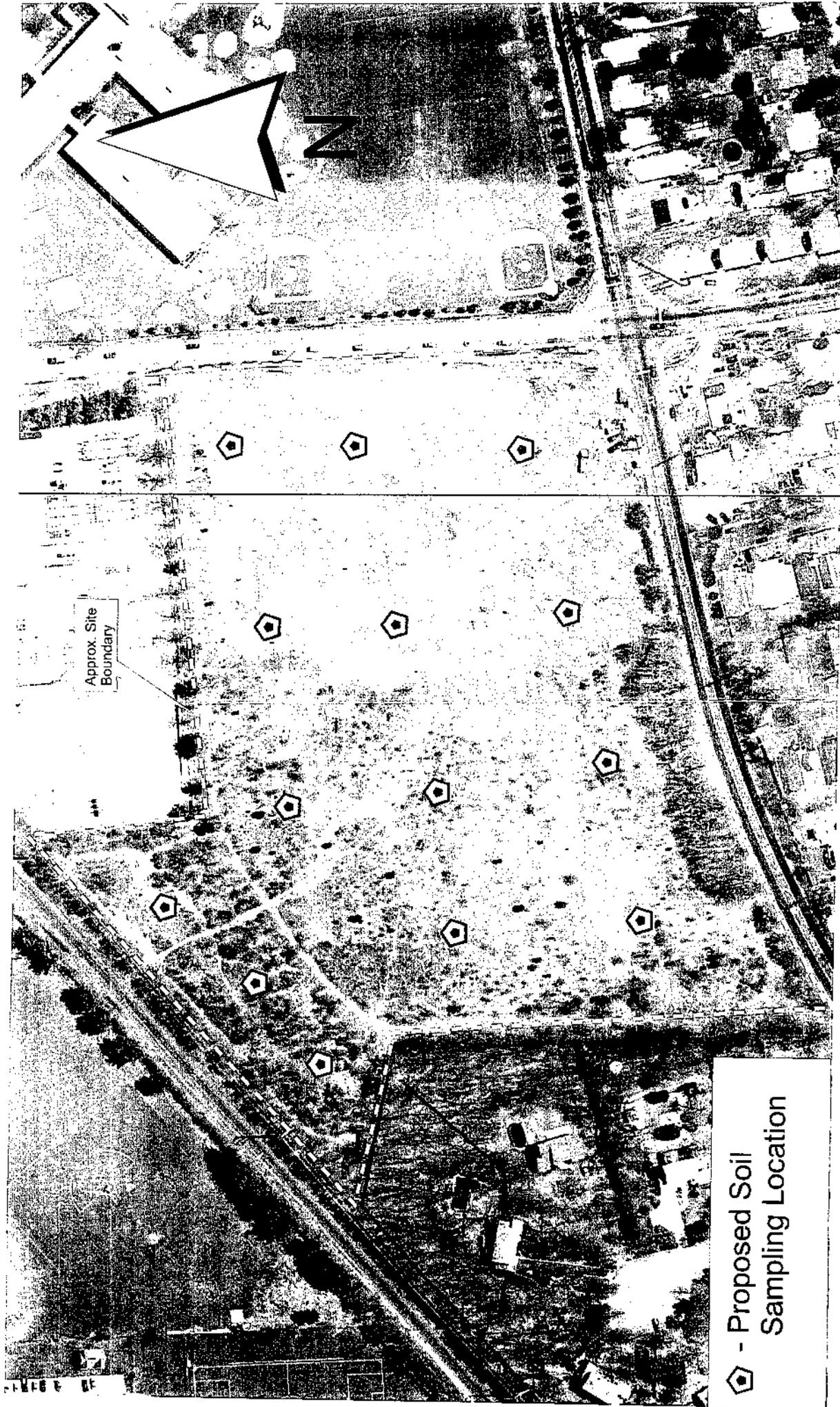
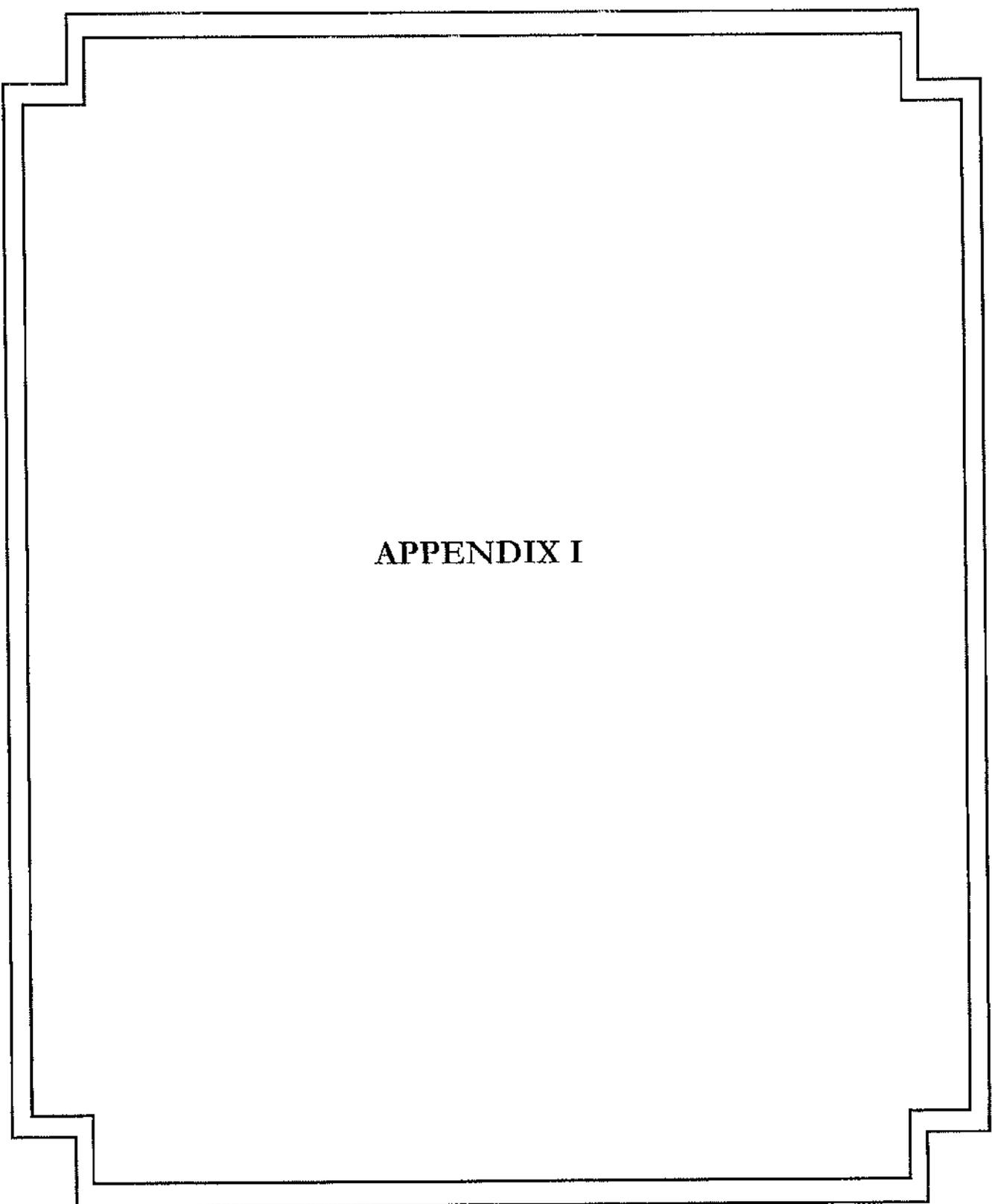


Figure 2: Proposed Soil Sampling Locations (based upon April 2004 aerial photograph).



**APPENDIX I**

# *FirstSearch Technology Corporation*

## **Environmental FirstSearch™ Report**

TARGET PROPERTY:

**ELWOOD ROAD**

**GREENLAWN NY 11740**

Job Number: HOU-02-293

**PREPARED FOR:**

Freudenthal & Elkowitz Consulting Group, Inc.

368 Veterans Memorial Highway, Suite 3

Commack, NY 11725

09-22-06



*Tel: (201) 848-4789*

*Fax: (201) 848-4789*

**Environmental FirstSearch  
Search Summary Report**

**Target Site: ELWOOD ROAD  
GREENLAWN NY 11740**

**FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
Spills-1990	Y	08-08-06	0.50	0	3	4	13	-	94	114
Spills-1980	Y	10-18-00	0.50	0	0	3	3	-	20	26
Leaking UST	Y	08-08-06	0.50	0	0	4	4	-	0	8
Releases(Air/Water)	Y	12-31-05	0.25	0	0	0	-	-	17	17
- TOTALS -				0	3	11	20	0	131	165

**Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

**Waiver of Liability**

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and/or inaccurate site locations.

**Environmental FirstSearch  
Site Information Report**

**Request Date:** 09-22-06  
**Requestor Name:** bryan murty  
**Standard:** ASTM

**Search Type:** COORD  
**Job Number:** HOU-02-293

**TARGET ADDRESS: ELWOOD ROAD  
 GREENLAWN NY 11740**

*Demographics*

<b>Sites:</b> 165	<b>Non-Geocoded:</b> 131	<b>Population:</b> NA
<b>Radon:</b> OF THE 10 HOMES TESTED, THE AVG. PCIL LEVEL WAS 19		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
<b>Longitude:</b>	-73.339544	-73:20:22	<b>Easting:</b>	639913.098
<b>Latitude:</b>	40.876848	40:52:37	<b>Northing:</b>	4526201.469
			<b>Zone:</b>	18

*Comment*

<b>Comment:</b>
-----------------

*Additional Requests/Services*

<b>Adjacent ZIP Codes: 1 Mile(s)</b>					<b>Services:</b>	
<u>ZIP Code</u>	<u>City Name</u>	<u>ST</u>	<u>Dist/Dir</u>	<u>Su</u>	<u>Requested?</u>	<u>Date</u>
11721	CENTERPORT	NY	0.64 SW	Y	Sanborns	No
11731	EAST NORTHPORT	NY	0.05 NE	Y	Aerial Photographs	No
11768	NORTHPORT	NY	0.06 NW	Y	Historical Topos	No
					City Directories	No
					Title Search	No
					Municipal Reports	No
					Online Topos	No

## Environmental FirstSearch Sites Summary Report

**TARGET SITE:** EL WOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
8	LUST	NORTHPORT UFSD 9204348/CLOSED 12/28/1992	PULASKI ROAD EAST NORTHPORT NY 11731	0.14 SE	1	30
8	LUST	PULASKI ELEM 8701870/CLOSED	PULASKI ROAD NORTHPORT NY 11731	0.14 SE	2	32
20	LUST	NORTHPORT SENIOR HIGH SCH 8701907/CLOSED	110 ELWOOD ROAD NORTHPORT NY 11768	0.17 NW	3	29
20	LUST	OCEAN AVE. ELEMANTARY SCHO 8701644/CLOSED	110 ELWOOD ROAD NORTHPORT NY 11768	0.17 NW	4	31
11	LUST	RICHARD SANDERS RESIDENCE 9913730/CLOSED 04/17/2000	617 6TH STREET EAST NORTHPORT NY 11731	0.39 SE	5	33
1	LUST	BAUMAN & SON BUS 9211943/CLOSED 07/13/2004	24 RAILROAD AVE EAST NORTHPORT NY 11731	0.48 NE	6	27
3	LUST	DIME SAVINGS BANK 9201427/CLOSED 07/27/1992	78 DELL ROSE AVENUE EAST NORTHPORT NY 11731	0.49 NE	7	28
13	LUST	TECH AIR 9004176/CLOSED 07/18/1990	10 RAILROAD AVENUE EAST NORTHPORT NY 11731	0.50 NE	N/A	34
	RELEASES	588095/MARINE- RELEASED FRO	NORTHPORT HARBOR NORTHPORT NY 11740	NON GC	N/A	149
	RELEASES	2 MILES NORTH OF NORTHPORT, NY IN NRC-644007/PIPELINE	NORTHPORT NY 11768	NON GC	N/A	150
	RELEASES	CABLE 1385 NORTH PORT TO NORWALK H NRC-755395/FIXED	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	151
	RELEASES	FLOOR BOARD OF LONG ISLAND SOUND NRC-559904/PIPELINE	RUNS FROM NORTH PORT, NY TO NORTHPORT NY 11768	NON GC	N/A	152
	RELEASES	IN THE LONG ISLAND SOUND BETWEEN N NRC-631947/FIXED	NORTH PORT NY 11768	NON GC	N/A	153
	RELEASES	KEYSPAN OIL PLATFORM NRC-643642/VESSEL	NORTH PORT NY 11768	NON GC	N/A	154
	RELEASES	LONG ISLAND LIGHTING CO 446422/OFFSHORE - SPILL OFF	1 MI NORTH OFFSHORE NORTHPORT NY 11768	NON GC	N/A	155
	RELEASES	LONG ISLAND LIGHTING CO 492158/FIXED FACILITY	1 MILE NORTH OF NORTH-PORT NORTHPORT NY 11768	NON GC	N/A	156
	RELEASES	LONG ISLAND SOUND NRC-519102/FIXED	1/4 MILE SOUTH OF SHEFFIELD NORTHPORT NY 11768	NON GC	N/A	157
	RELEASES	LONG ISLAND SOUND NRC-725178/PIPELINE	NORTHPORT NY 11768	NON GC	N/A	158
	RELEASES	LONG ISLAND SOUND NRC-704388/FIXED	NORTH PORT NY 11768	NON GC	N/A	159
	RELEASES	LONG ISLAND SOUND NRC-585346/PIPELINE	BETWEEN NORTH PORT AND NOWANON NORTHPORT NY 11768	NON GC	N/A	160
	RELEASES	NORTH PORT TOWER LAGOON LONG ISLAN NRC-726464/VESSEL	NORTHPORT NY 11768	NON GC	N/A	161

## Environmental FirstSearch Sites Summary Report

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	RELEASES	NORWALK HARBOR, NORTH PORT LONG IS NRC-629402/FIXED	NORTH PORT NY 11768	NON GC	N/A	162
	RELEASES	PLATFORM INCIDENT NRC-643649/PLATFORM	NORTH PORT NY 11768	NON GC	N/A	163
	RELEASES		NORTH PORT HARBOR MM:UNKNOW	NON GC	N/A	164
		454445/MARINE- RELEASED PRO	NORTH PORT NY 11768			
	RELEASES		EATONS NECK ROAD NORTHPORT NY 11768	NON GC	N/A	165
2	SPILLS	CHARLES BONGIORNO RESIDEN 9214494/CLOSED 12/31/1993	240 ELWOOD ROAD EAST NORTHPORT NY 11731	0.08 SE	8	3
4	SPILLS	ELWOOD ROAD CROSSING 9513459/CLOSED 09/26/1996	WEST OF NORTHPORT STATION NORTHPORT NY 11768	0.10 NE	9	5
4	SPILLS		ELWOOD ROAD S/O LIR ROW EAST NORTHPORT NY 11731	0.10 NE	10	20
8	SPILLS	NORTHPORT UFSD 9204348/CLOSED 12/28/1992	PULASKI ROAD EAST NORTHPORT NY 11731	0.14 SE	11	9
16	SPILLS	UNK 9502773/CLOSED 06/07/1995	PULASKI RD/ELWOOD EAST NORTHPORT NY 11731	0.18 SE	12	17
16	SPILLS	UNK 9402388/CLOSED 05/03/1996	PULASKI ROAD & ELWOOD RD GREENLAWN NY 11740	0.18 SE	13	18
5	SPILLS	JOHN IORIO RESIDENCE 9309058/CLOSED 10/27/1993	6 STONYHOLLOW COURT GREENLAWN NY 11740	0.20 SW	14	6
12	SPILLS	ST-ASICHIN RESIDENCE 0001465/CLOSED 01/07/2002	6 SALISBURY DRIVE SOUTH EAST NORTHPORT NY 11731	0.28 NE	15	13
15	SPILLS	UNK 9713653/CLOSED 04/24/1998	ELWOOD RD/BELROSE AVENUE EAST NORTHPORT NY 11768	0.28 NE	16	16
10	SPILLS	RESIDENCE 9113000/CLOSED 03/25/1992	22 CHERRY STREET EAST NORTHPORT NY 11731	0.29 SW	17	11
7	SPILLS	MEUNCKLER RESIDENCE 9925308/CLOSED 10/07/1999	607 8TH AVENUE EAST NORTHPORT NY 11731	0.30 SE	18	8
9	SPILLS	REMINICK RESIDENCE 9612021/CLOSED 01/29/1997	2 SALISBURY DRIVE SOUTH EAST NORTHPORT NY 11731	0.31 NE	19	10
17	SPILLS	UNKNOWN 0511117/CLOSED	608 PULASKI ROAD EAST NORTHPORT NY 11731	0.31 SE	20	19
11	SPILLS	RICHARD SANDERS RESIDENCE 9913730/CLOSED 04/17/2000	617 6TH STREET EAST NORTHPORT NY 11731	0.39 SE	21	12
6	SPILLS	LILCO 9204590/CLOSED 07/22/1992	6 DUNTON COURT EAST NORTHPORT NY 11731	0.47 NE	22	7
14	SPILLS	UNK 9310344/CLOSED 11/26/1993	151 STONYHOLLOW ROAD GREENLAWN NY 11740	0.47 SW	23	15

## Environmental FirstSearch Sites Summary Report

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
1	SPILLS	BAUMAN & SON BUS 9211943/CLOSED 07/13/2004	24 RAILROAD AVE EAST NORTHPORT NY 11731	0.48 NE	24	1
1	SPILLS	BAUMAN BUS 9010745/CLOSED 01/09/1991	24 RAILROAD AVENUE EAST NORTHPORT NY 11731	0.48 NE	25	2
3	SPILLS	DIME SAVINGS BANK 9201427/CLOSED 07/27/1992	78 DELLROSE AVENUE EAST NORTHPORT NY 11731	0.49 NE	26	4
13	SPILLS	TECH AIR 9004176/CLOSED 07/18/1990	10 RAILROAD AVENUE EAST NORTHPORT NY 11731	0.50 NE	27	14
	SPILLS	ASPLUNDH TRUCK 0513685/CLOSED	PULASKI ROAD GREENLAWN NY	NON GC	N/A	35
	SPILLS	GREENLAWN WATER DISTRICT 9512516/CLOSED 10/30/1998	3 PARK AVENUE (STATION 3) GREENLAWN NY 11740	NON GC	N/A	36
	SPILLS	HERNANDEZ RESIDENCE 0209785/CLOSED	33 DEPEW AVENUE GREENLAWN NY 11740	NON GC	N/A	37
	SPILLS	KLEIN & EVERSOL 9204936/CLOSED 01/08/2004	LITTLE PLAINS ROAD GREENLAWN NY 11740	NON GC	N/A	38
	SPILLS	LILCO 9308588/CLOSED 11/09/1993	BOLAR DRIVE GREENLAWN NY 11740	NON GC	N/A	39
	SPILLS	LITTLE PLAINES 9710121/CLOSED 12/02/1999	CUBAL HILL ROAD GREENLAWN NY 11740	NON GC	N/A	40
	SPILLS	MUNICIPAL PARKING LOT 0650096/ACTIVE	BTW SMITH ST AND RAILROAD S GREENLAWN NY	NON GC	N/A	41
	SPILLS	TC CARTING 9208452/CLOSED 10/22/1992	BRENNAN ST GREENLAWN NY 11740	NON GC	N/A	42
	SPILLS	UNK 9108770/CLOSED 11/18/1991	MANOR ROAD NORTH GREENLAWN NY 11740	NON GC	N/A	43
	SPILLS	UNK 9504004/CLOSED 08/23/1995	CUBA HILLS RD & BUTTERFLIE GREENLAWN NY 11740	NON GC	N/A	44
	SPILLS	UNK 9104657/CLOSED 08/02/1991	MANCHESTER ROAD GREENLAWN NY 11740	NON GC	N/A	45
	SPILLS	UNKNOWN 0403423/CLOSED	18 LAKE RIDGE DRIVE GREENLAWN NY	NON GC	N/A	46
	SPILLS	UNKNOWN 0310639/CLOSED	CHEVY LANE GREENLAWN NY 11740	NON GC	N/A	47
	SPILLS	0308326/CLOSED	WELLS ROAD GREENLAWN NY 11740	NON GC	N/A	48
	SPILLS	0200775/CLOSED	PATRICIAN DRIVE GREENLAWN NY 11740	NON GC	N/A	49
	SPILLS	ASHRAF MOHAMMED 9003496/CLOSED 08/27/1990	92 ALBERTA DRIVE ELWOOD NY 11731	NON GC	N/A	50

**Environmental FirstSearch  
Sites Summary Report**

**TARGET SITE:** EL WOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	SPILLS	COMMANDER OIL 9210881/CLOSED 12/21/1992	109 DANELA LANE EAST NORTHPORT NY 11731	NON GC	N/A	51
	SPILLS	CRABLEY RESIDENCE 9410205/CLOSED 11/01/1994	304 BASE AVENUE EAST NORTHPORT NY 11731	NON GC	N/A	52
	SPILLS	LILCO 9404730/CLOSED 07/08/1994	TOWN LINE ROAD EAST NORTHPORT NY 11731	NON GC	N/A	53
	SPILLS	MONTAUK CARTING 9202617/CLOSED 06/17/1994	TOWNLINER ROAD ELWOOD NY 11731	NON GC	N/A	54
	SPILLS	SHELL S/S 9112568/CLOSED 01/08/1998	ELWOOD AVENUE ELWOOD NY 11731	NON GC	N/A	55
	SPILLS	UNK 9110209/CLOSED 02/18/1992	OLD HOSPITAL ROAD EAST NORTHPORT NY 11731	NON GC	N/A	56
	SPILLS	UNK 9107974/CLOSED 03/13/1992	MIDDLEVILLE ROAD EAST NORTHPORT NY 11731	NON GC	N/A	57
	SPILLS	9412381/CLOSED 12/21/1994	PULASKI ROAD EAST NORTHPORT NY 11731	NON GC	N/A	58
	SPILLS	9711497/CLOSED 03/20/1998	WOODSORREL LANE COMMACK NY 11731	NON GC	N/A	59
	SPILLS	9604970/CLOSED 07/12/2000	WOODSORREL LANE EAST NORTHPORT NY 11731	NON GC	N/A	60
	SPILLS	138 CV CABLE UNDER 0108024/CLOSED 11/07/2001	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	61
	SPILLS	ASHAROKEN BEACH 0550822/CLOSED	ASHAROKEN AVENUE ASHAROKEN NY 11768	NON GC	N/A	62
	SPILLS	BARGE NO 175 0325064/CLOSED	WATERVIEW STREET NORTHPORT NY 11768	NON GC	N/A	63
	SPILLS	EATONS NECK BASIN 0002884/CLOSED 06/07/2000	LIGHTHOUSE ROAD NORTHPORT NY 11768	NON GC	N/A	64
	SPILLS	EATONS NECK CHANNEL 9814577/CLOSED 07/02/2001	EATONS NECK ROAD NORTHPORT NY 11768	NON GC	N/A	65
	SPILLS	EKLOF MARINE/ NORTH CAPE 9513110/CLOSED 03/11/1996	OFF MATUNUK RHODE ISLAND NORTHPORT NY 11768	NON GC	N/A	66
	SPILLS	ISLAND RUBBISH REMOVAL 9200523/CLOSED 04/28/1992	NAUTILUS STREET NORTHPORT NY 11768	NON GC	N/A	67
	SPILLS	ISLAND TRANSPORTATION 9209567/CLOSED 12/28/1992	MIDDLEVILLE ROAD NORTHPORT NY 11768	NON GC	N/A	68
	SPILLS	KEYSPAN-NORTHPORT 0101043/CLOSED 12/07/2001	EATONS NECK ROAD NORTHPORT NY 11768	NON GC	N/A	69
	SPILLS	LI OYSTER FARM 9101279/CLOSED 07/18/1991	END OF MAIN STREET NORTHPORT NY 11768	NON GC	N/A	70

## Environmental FirstSearch Sites Summary Report

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	SPILLS	LILCO 9302741/CLOSED 09/02/1994	LAUREL ROAD NORTHPORT NY 11768	NON GC	N/A	71
	SPILLS	LILCO 9413901/CLOSED 01/27/1995	LI SOUND TO CONN NORTHPORT NY 11768	NON GC	N/A	72
	SPILLS	LILCO 9411561/CLOSED 01/17/1995	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	73
	SPILLS	LILCO 9311533/CLOSED 01/26/1995	NORWALK, CT & NORTHPORT NORTHPORT NY 11768	NON GC	N/A	74
	SPILLS	LILCO 9306309/CLOSED 08/25/1993	WATERSIDE AVE POLE #2 NORTHPORT NY 11768	NON GC	N/A	75
	SPILLS	LILCO 9504505/CLOSED 07/14/1995	LI SOUND 1 MI N OF NRTHPT NORTHPORT NY 11768	NON GC	N/A	76
	SPILLS	LILCO 9312101/CLOSED 01/26/1995	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	77
	SPILLS	LILCO 9207439/CLOSED 09/28/1992	INLET HARBOR UNITS 2 -3 NORTHPORT NY 11768	NON GC	N/A	78
	SPILLS	LILCO NORTHPORT 0105412/CLOSED 08/20/2001	SOUNDVIEW DRIVE NORTHPORT NY 11768	NON GC	N/A	79
	SPILLS	LIPA 0008855/CLOSED 02/06/2001	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	80
	SPILLS	LIPA 0008860/CLOSED 10/31/2000	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	81
	SPILLS	LIPA CABLE 6 LI SOUND 9905694/CLOSED 02/09/2001	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	82
	SPILLS	LONG ISLAND SOUND 9602462/CLOSED 01/07/1997	EATONS NECK ROAD NORTHPORT NY 11768	NON GC	N/A	83
	SPILLS	LONG ISLAND SOUND 9703039/CLOSED 06/27/1997	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	84
	SPILLS	LONG ISLAND SOUND 9512715/CLOSED 06/08/1998	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	85
	SPILLS	LONG ISLAND SOUND 0308236/CLOSED	WATERSIDE AVENUE NORTHPORT NY 11768	NON GC	N/A	86
	SPILLS	LONG ISLAND SOUND 0301242/CLOSED	2 MILES NORTH NORTHPORT NORTHPORT NY 11768	NON GC	N/A	87
	SPILLS	LONG ISLAND SOUND 0208517/CLOSED	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	88
	SPILLS	LONG ISLAND SOUND 0002962/CLOSED 06/19/2000	1/4 S OF SHEFFIELD ISLAND NORTHPORT NY 11768	NON GC	N/A	89
	SPILLS	LONG ISLAND SOUND 9610999/CLOSED 06/08/1998	ASHAROKEN BEACH NORTHPORT NY 11768	NON GC	N/A	90

**Environmental FirstSearch  
Sites Summary Report**

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	SPILLS	LONG ISLAND SOUND 9603171/CLOSED 06/08/1998	2 3 ML S/O SHEFFIELD ISLA NORTHPORT NY 11768	NON GC	N/A	91
	SPILLS	LONG ISLAND SOUND BTWN 9602780/CLOSED 06/08/1998	NORTHPORT & NORWALK HRBR NORTHPORT NY 11768	NON GC	N/A	92
	SPILLS	NORTHPORT HARBOR 9607038/CLOSED 09/04/1996	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	93
	SPILLS	NORTHPORT HARBOR 9516212/CLOSED 03/18/1996	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	94
	SPILLS	NORTHPORT HARBOR 0325212/CLOSED	ROUTE 25A FORT SALONGA RD NORTHPORT NY 11768	NON GC	N/A	95
	SPILLS	NORTHPORT SEWAGE TREATMEN 9710014/CLOSED 12/02/1997	SCUTTER PARK NORTHPORT NY 11768	NON GC	N/A	96
	SPILLS	THORVINCENI VESSEL 9205574/CLOSED 09/11/1992	ASHAROKEN AVENUE NORTHPORT NY 11768	NON GC	N/A	97
	SPILLS	UNDERWATER CABLE 0209524/CLOSED	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	98
	SPILLS	UNK 9100312/CLOSED 04/15/1991	SANDS CITY EATONS NECK EATONS NECK NY 11768	NON GC	N/A	99
	SPILLS	UNK 9314736/CLOSED 03/17/1994	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	100
	SPILLS	UNK 9005814/CLOSED 08/27/1990	19 BAUSE STREET NORTHPORT NY 11768	NON GC	N/A	101
	SPILLS	UNK 9209960/CLOSED 02/03/1993	MAIN STREET NORTHPORT NY 11768	NON GC	N/A	102
	SPILLS	UNK 9208458/CLOSED 10/28/1992	OLD BRIDGE ROAD NORTHPORT NY 11768	NON GC	N/A	103
	SPILLS	UNK 9106554/CLOSED 09/20/1991	TARLETON LANE FORT SALONGA NY 11768	NON GC	N/A	104
	SPILLS	UNK 9001924/CLOSED 07/31/1990	MIDDLEVILLE ROAD NORTHPORT NY 11768	NON GC	N/A	105
	SPILLS	UNK 9004838/CLOSED 08/01/1990	SOUTH OF HOBART BEACH NORTHPORT NY 11768	NON GC	N/A	106
	SPILLS	UNK 9416360/CLOSED 04/18/1995	BURMINGHAM DRIVE NORTHPORT NY 11768	NON GC	N/A	107
	SPILLS	UNK LIICO 9013311/CLOSED 04/24/1991	OCEAN AVENUE NORTHPORT NY 11768	NON GC	N/A	108
	SPILLS	UNK VESSEL OWNER 9404618/CLOSED 11/21/1994	NORTHPORT DOCK NORTHPORT NY 11768	NON GC	N/A	109
	SPILLS	9508723/CLOSED 11/08/1995	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	110

**Environmental FirstSearch  
Sites Summary Report**

**TARGET SITE:** EL WOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
	SPILLS	9601750/CLOSED 05/28/1997	MAIN STREET NORTHPORT NY 11768	NON GC	N/A	111
	SPILLS	0300289/CLOSED	SUNKEN MEADOW STATE PARK KINGS PARK NY 11768	NON GC	N/A	112
	SPILLS	0311394/CLOSED	BEACH AVENUE NORTHPORT NY 11768	NON GC	N/A	113
	SPILLS	0308358/CLOSED	NORTHPORT STATION NORTHPORT NY 11768	NON GC	N/A	114
	SPILLS	0103524/CLOSED 12/24/2003	GERRIET COURT NORTHPORT NY 11768	NON GC	N/A	115
	SPILLS	9912847/CLOSED 04/26/2000	BLUFF POINT ROAD NORTHPORT NY 11768	NON GC	N/A	116
	SPILLS	9912719/CLOSED 02/08/2000	ASHAROKEN AVENUE NORTHPORT NY 11768	NON GC	N/A	117
	SPILLS	9912631/CLOSED 02/07/2000	ASHAROKEN AVENUE NORTHPORT NY 11768	NON GC	N/A	118
	SPILLS	9925476/CLOSED 02/07/2000	ASHAROKEN AVENUE NORTHPORT NY 11768	NON GC	N/A	119
	SPILLS	9912325/CLOSED 01/27/2000	SHEFFIELD ISLAND NORTHPORT NY 11768	NON GC	N/A	120
	SPILLS	0301321/CLOSED	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	121
	SPILLS	9804977/CLOSED 07/22/1998	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	122
	SPILLS	9804226/CLOSED 09/25/1998	1/2 MILES NW EATONS NECK EATONS NECK NY 11768	NON GC	N/A	123
	SPILLS	9800668/CLOSED 03/06/2000	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	124
	SPILLS	9813343/CLOSED 06/02/1999	ASHROKEN AVENUE NORTHPORT NY 11768	NON GC	N/A	125
	SPILLS	9704535/CLOSED 07/17/1997	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	126
	SPILLS	9601884/CLOSED 05/13/1996	MILLAND DRIVE NORTHPORT NY 11768	NON GC	N/A	127
	SPILLS	9610260/CLOSED 11/18/1996	ASHAROKEN/OCEAN AVENUE NORTHPORT NY 11768	NON GC	N/A	128
8	SPILLS80	PULASKI ELEM 8701870/CLOSED	PULASKI ROAD NORTHPORT NY 11731	0 14 SE	N/A	26
20	SPILLS80	NORTHPORT SENIOR HIGH SCH 8701907/CLOSED	110 EL WOOD ROAD NORTHPORT NY 11768	0 17 NW	N/A	24

## Environmental FirstSearch Sites Summary Report

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Page No.	ID
20	SPILLS80	OCEAN AVE ELEMANTARY SCHO 8701644/CLOSED	110 ELWOOD ROAD NORTHPORT NY 11768	0 17 NW	N/A	25
19	SPILLS80	LILCO 8810042/CLOSED	PULASKI ROAD GREENLAWN NY 11740	0 44 SW	N/A	22
19	SPILLS80	LILCO 8709398/CLOSED	PULASKI ROAD GREENLAWN NY 11740	0 44 SW	N/A	23
18	SPILLS80	DELAVIS SOD FARM 8808048/CLOSED	440 PULASKI ROAD EAST NORTHPORT NY 11731	0 48 SE	N/A	21
	SPILLS80	LILCO 8602778/CLOSED	HAUPPAUGE ROAD EAST NORTHPORT NY 11731	NON GC	N/A	129
	SPILLS80	LILCO 8606042/CLOSED	COLONIAL STREET EAST NORTHPORT NY 11731	NON GC	N/A	130
	SPILLS80	RELIANCE UTILITIES 8705296/CLOSED	ELWOOD ROAD EAST NORTHPORT NY 11731	NON GC	N/A	131
	SPILLS80	UNK 8710054/CLOSED	TOWN LINE ROAD EAST NORTHPORT NY 11731	NON GC	N/A	132
	SPILLS80	ISLAND TRANSPORTATION CO 8704255/CLOSED	MIDDLEVILLE ROAD NORTHPORT NY 11768	NON GC	N/A	133
	SPILLS80	LI OYSTER FARMS 8801812/CLOSED	WOODBINE AVENUE NORTHPORT NY 11768	NON GC	N/A	134
	SPILLS80	LILCO 8600331/CLOSED	NORTH AVENUE NORTHPORT NY 11768	NON GC	N/A	135
	SPILLS80	LILCO 8908267/CLOSED	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	136
	SPILLS80	LILCO 8904567/CLOSED	HYLAND AVENUE NORTHPORT NY 11768	NON GC	N/A	137
	SPILLS80	LILCO 8801741/CLOSED	POLE 104 ASHROCKAN AVENUE ASHAROKEN NY 11768	NON GC	N/A	138
	SPILLS80	LILCO 8909437/CLOSED	UNDER LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	139
	SPILLS80	LILCO 8804235/CLOSED	LONG ISLAND SOUND NORTHPORT NY 11768	NON GC	N/A	140
	SPILLS80	LILCO 8701022/CLOSED	NORTHPORT #2 DAY OIL NORTHPORT NY 11768	NON GC	N/A	141
	SPILLS80	TANKER 8805206/CLOSED	LILCO OFF SHORE LOADING NORTHPORT NY 11768	NON GC	N/A	142
	SPILLS80	UNK 8601468/CLOSED	LAUREL HILL ROAD NORTHPORT NY 11768	NON GC	N/A	143
	SPILLS80	UNK 8805238/CLOSED	MAKAMAH BEACH NORTHPORT NY 11768	NON GC	N/A	144

*Environmental FirstSearch  
Sites Summary Report*

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

**TOTAL:** 165      **GEOCODED:** 34      **NON GEOCODED:** 131      **SELECTED:** 27

<u>Map ID</u>	<u>DB Type</u>	<u>Site Name/ID/Status</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Page No.</u>	<u>ID</u>
	SPILLS80	UNK 8907756/CLOSED	TOWN LINE ROAD NORTHPORT NY 11768	NON GC	N/A	145
	SPILLS80	UNK 8708923/CLOSED	HUNTINGTON HARBOR EATONS NECK NY 11768	NON GC	N/A	146
	SPILLS80	UNK 8902856/CLOSED	TUMBER POINT DRIVE NORTHPORT NY 11768	NON GC	N/A	147
	SPILLS80	UNK 8904196/CLOSED	NORTHPORT HARBOR NORTHPORT NY 11768	NON GC	N/A	148























































## Environmental FirstSearch Database Descriptions

**SPILLS-1990:** *NYSDEC* SPILL INCIDENTS DATABASE - database of chemical and petroleum spill incidents that occurred since 1990

**SPILLS-1980:** *NYSDEC* SPILL INCIDENTS DATABASE - database of chemical and petroleum spill incidents that occurred before 1990.

**LEAKING UST:** *NYSDEC* SPILL INCIDENTS DATABASE SUBSET - database of chemical and petroleum spill incidents where the cause was a tank test failure or tank failure

**RELEASES(AIR/WATER):** *EPA/NRC* AIR AND SURFACE WATER RELEASES - A subset of the ERNSNational Response System database which have impacted only the air or surface water

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

## **Environmental FirstSearch Database Sources**

**SPILLS-1990:** *NYSDEC* New York State Department of Environmental Conservation

*Updated quarterly*

**SPILLS-1980:** *NYSDEC* New York State Department of Environmental Conservation

*Updated quarterly*

**LEAKING UST:** *NYSDEC* New York State Department of Environmental Conservation

*Updated quarterly*

**RELEASES(AIR/WATER):** *EPA/NRC* Environmental Protection Agency

*Updated semi-annually*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

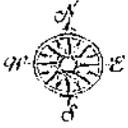
*Updated periodically*

*Environmental FirstSearch*  
*Street Name Report for Streets within .25 Mile(s) of Target Property*

**TARGET SITE:** ELWOOD ROAD  
GREENLAWN NY 11740

**JOB:** HOU-02-293

<u>Street Name</u>	<u>Dist/Dir</u>	<u>Street Name</u>	<u>Dist/Dir</u>
10th Ave	0.06 NE		
8th Ave	0.21 SE		
9th Ave	0.19 NE		
Athens Ct	0.18 NE		
Cherry St	0.25 SW		
Dublin Ct	0.16 NE		
Elwood Rd	0.06 -E		
Franklin Ave	0.23 SE		
Fresno Ct	0.12 NE		
Georgia St	0.23 SE		
Pulaski Rd	0.18 SE		
Salisbury Dr SOUTH	0.16 NE		
Stony Hollow Ct	0.19 SW		
Williams St	0.22 SW		
Windgate Ct	0.24 NE		
Windgate Dr	0.21 NE		



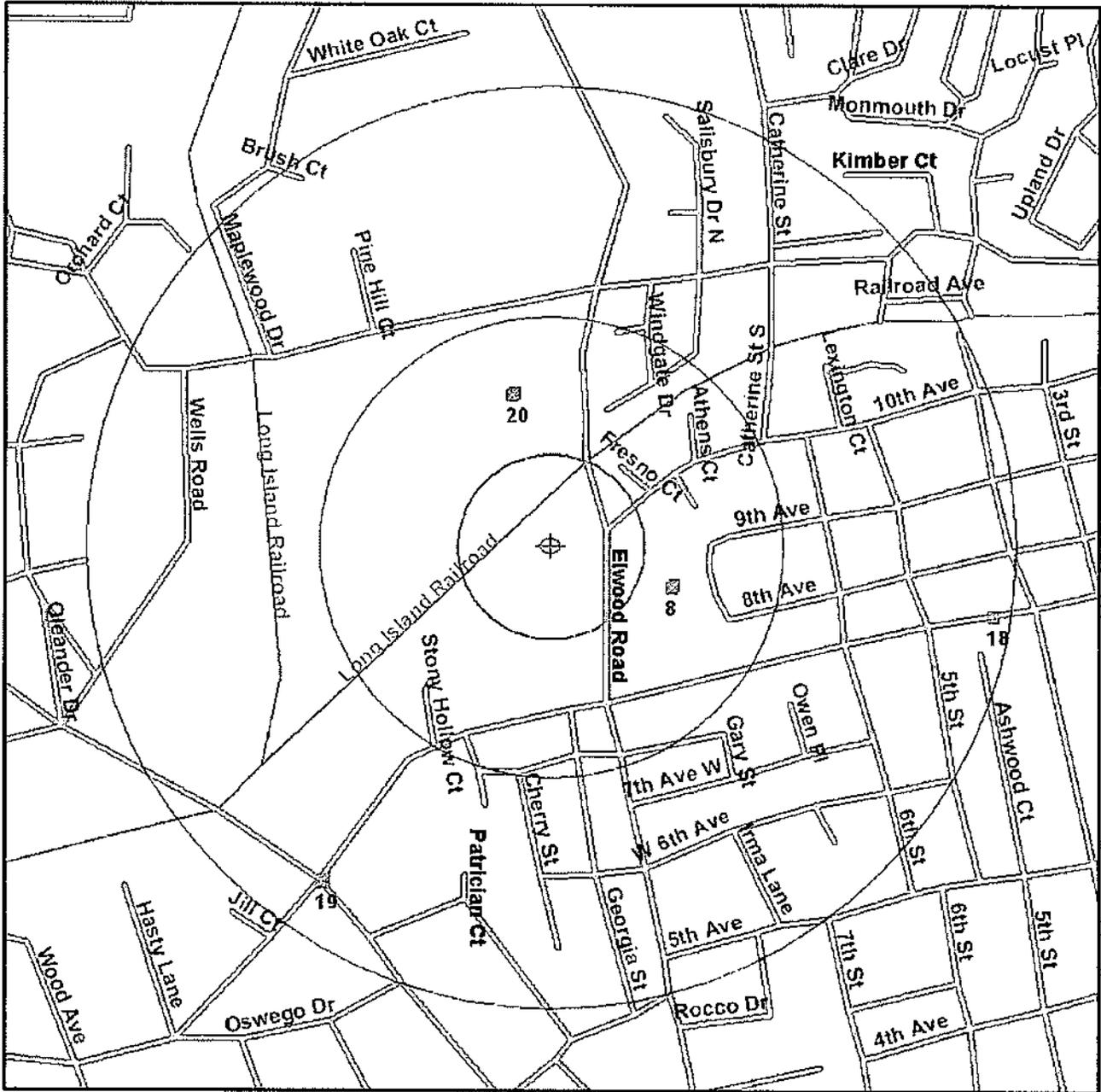
# Environmental FirstSearch

5 Mile Radius

Non-ASTM Map: Spills 90, Spills 80



## ELWOOD ROAD, GREENLAWN NY 11740



Source 2002 US Census TIGER Files

Target Site (Latitude: 40 876848 Longitude: -73 339544)

Identified Site: Multiple Sites, Receptor

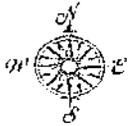
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

National Historic Sites and Landmark Sites

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





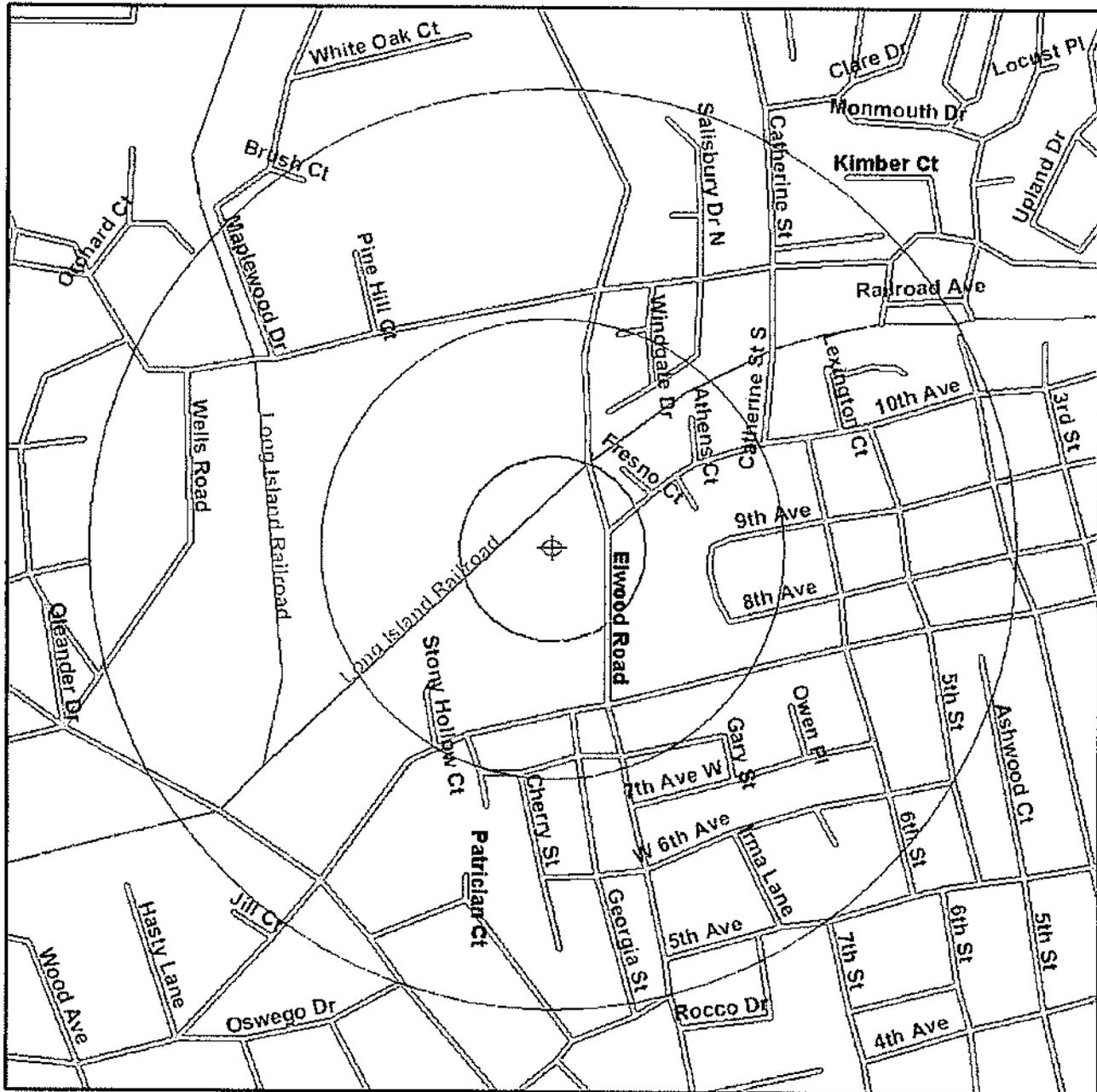
# Environmental FirstSearch

.5 Mile Radius

ASTM AAI Map: Federal Land Use Sites



## ELWOOD ROAD, GREENLAWN NY 11740



Source: 2002 U.S. Census TIGER Files

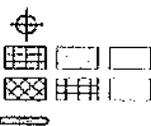
Target Site (Latitude: 40.876848 Longitude: -73.339544)

Fed. Land Use: Wilderness Areas, Wildlife Preserves

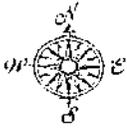
Fed. Land Use: Amer. Indian Sacred Sites, End. Species' Habitats

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 1/2 Mile Radius







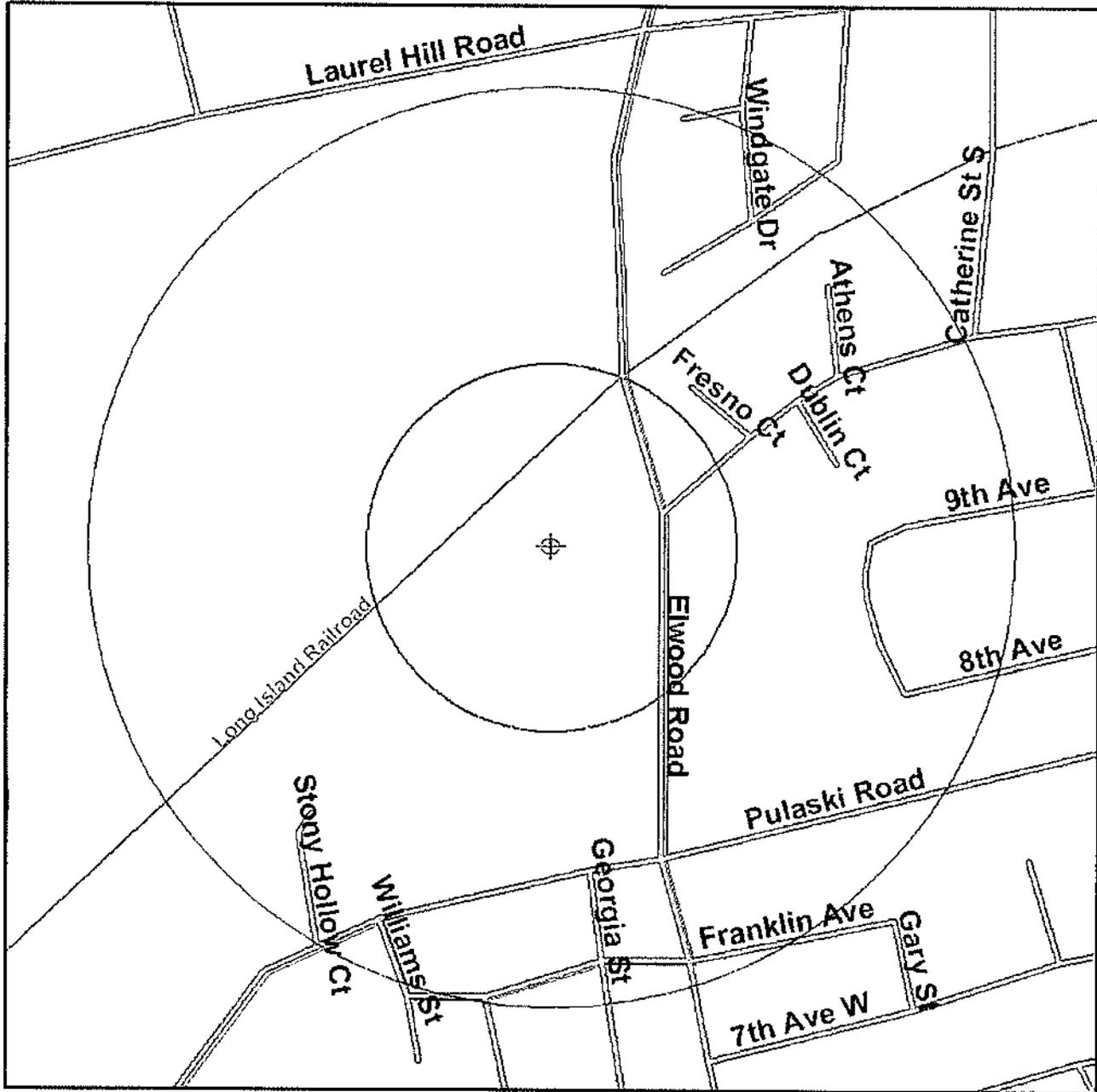
# Environmental FirstSearch

.25 Mile Radius

ASTM Map: RCRAGEN, ERNS, UST



## ELWOOD ROAD, GREENLAWN NY 11740



Source: 2002 U.S. Census TIGER Files

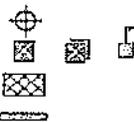
Target Site (Latitude: 40.876848 Longitude: -73.339544)

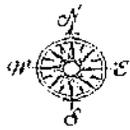
Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 Ft. Radius





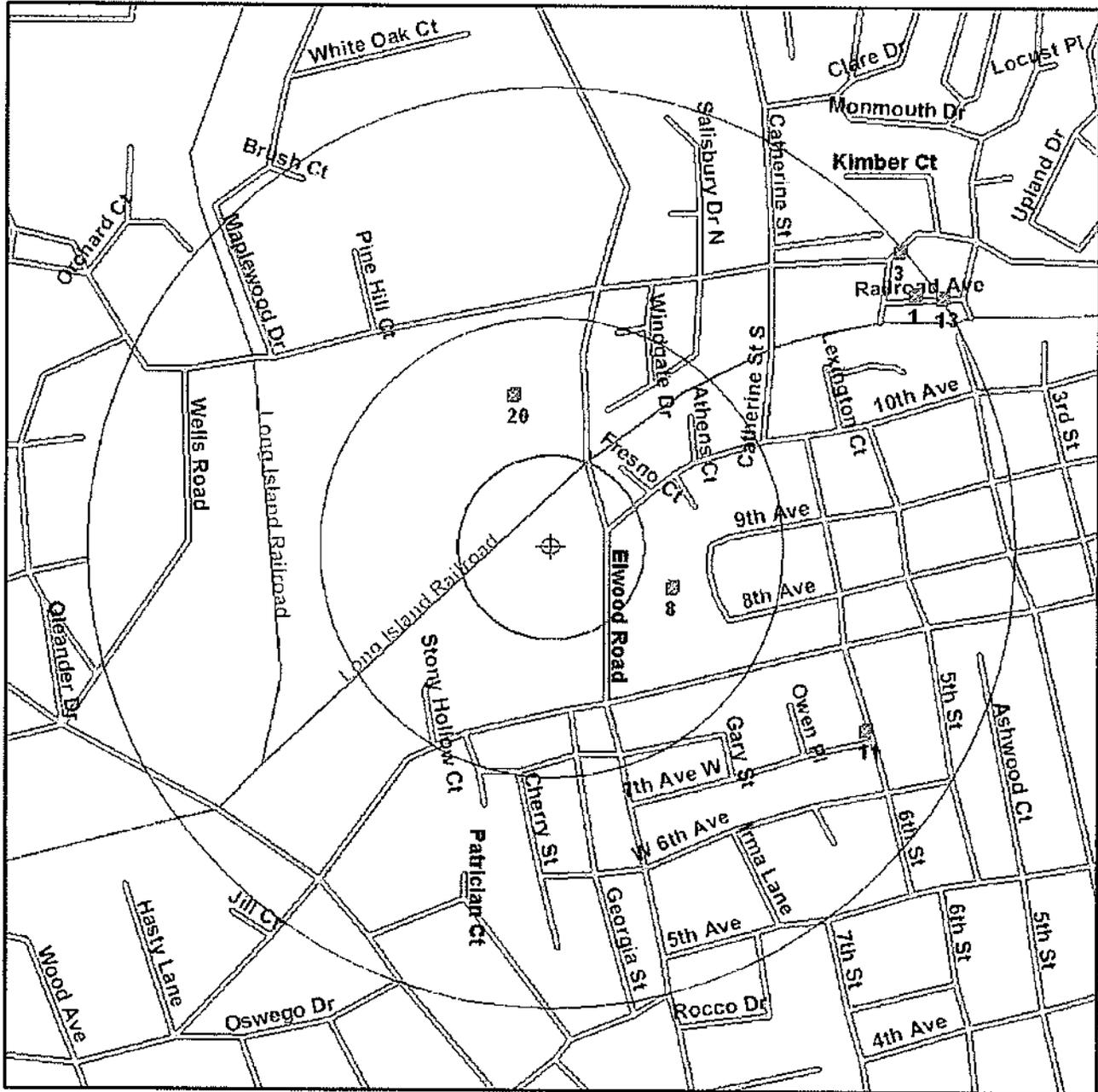
# Environmental FirstSearch

.5 Mile Radius

ASTM Map: CERCLIS, RCRATSD, LUST, SWL



## ELWOOD ROAD, GREENLAWN NY 11740



Source 2002 U.S. Census TIGER Files

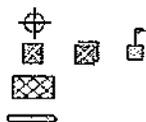
Target Site (Latitude: 40 876848 Longitude: -73 339544)

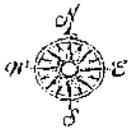
Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius

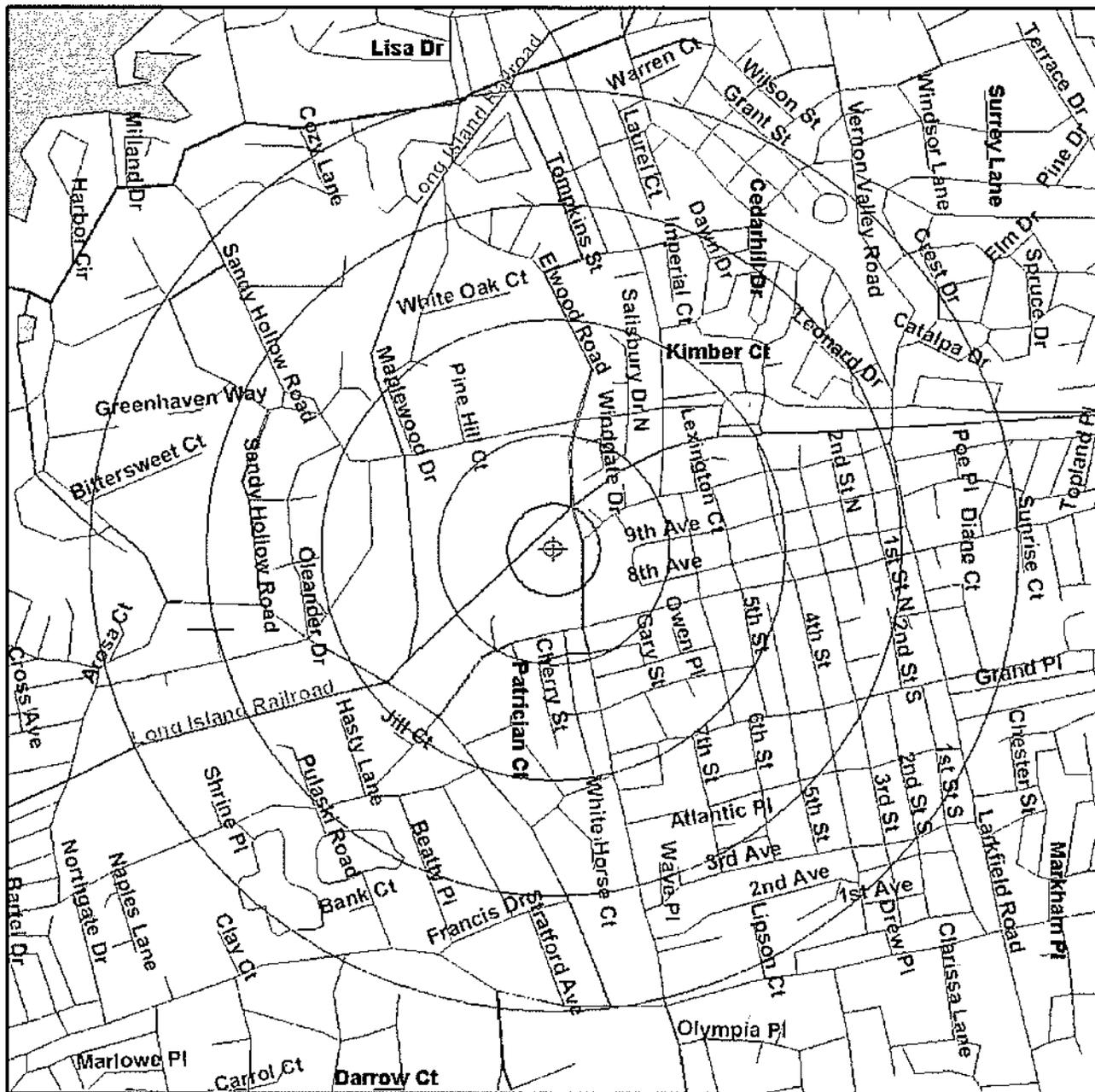




**Environmental FirstSearch**  
 1 Mile Radius  
 ASTM Map: NPL, RCRACOR, STATE Sites



**ELWOOD ROAD, GREENLAWN NY 11740**



Source: 2002 U.S. Census TIGER Files

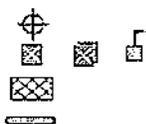
Target Site (Latitude: 40.876848 Longitude: -73.339544)

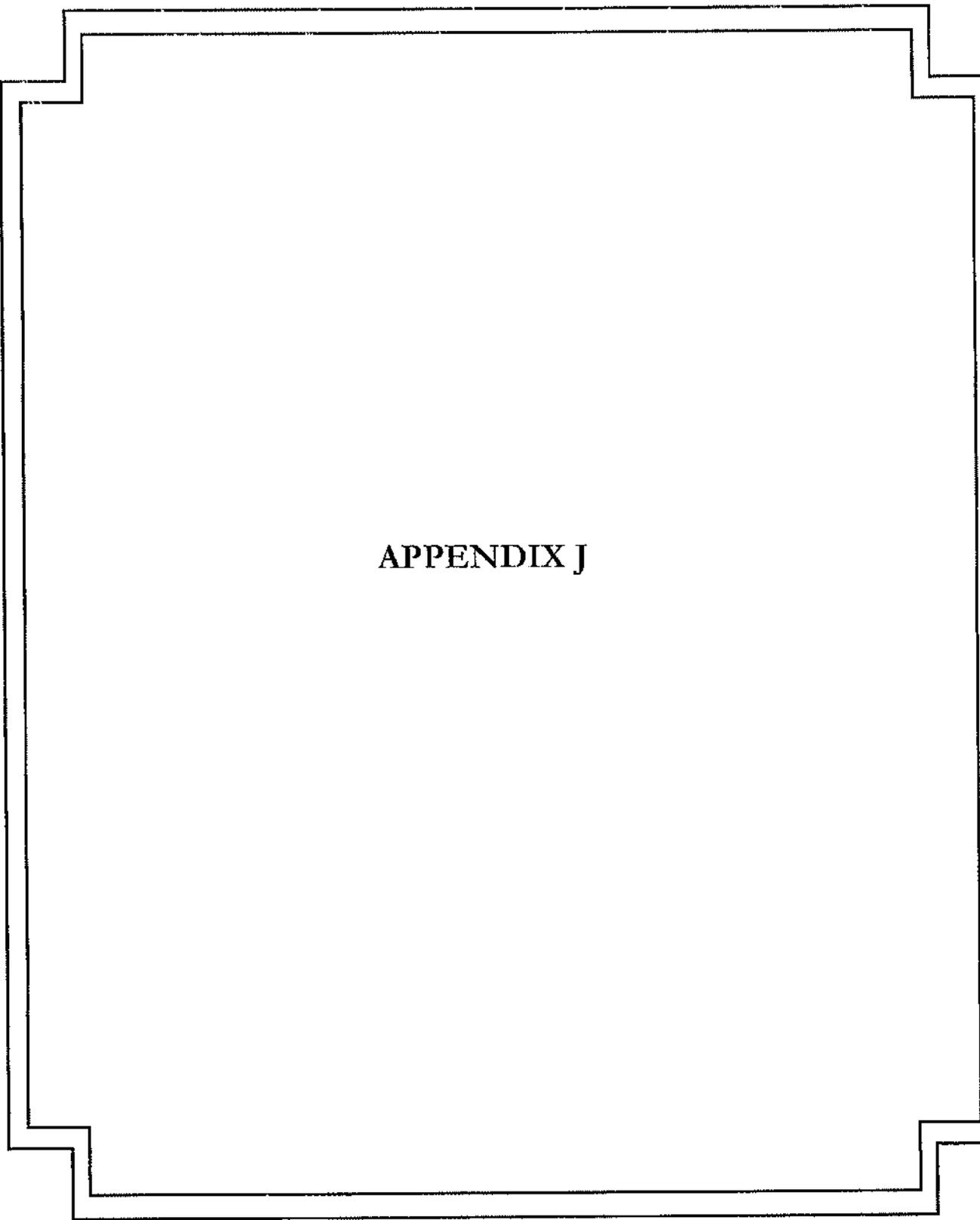
Identified Site, Multiple Sites, Receptor

NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste

Railroads

Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





**APPENDIX J**

COUNTY OF SUFFOLK



STEVE LEVY  
COUNTY EXECUTIVE

RICHARD DORMER  
POLICE COMMISSIONER

POLICE DEPARTMENT

October 2, 2006

Kim A. Gennaro, AICP  
Senior Project Manager  
Freudenthal & Elkowitz Consulting Group  
368 Veterans Memorial Highway, Suite 3  
Commack, NY 11725

Dear Ms. Gennaro,

This letter is prepared in response to your request for data on the number of incidents reported in 2005 for the Millennium Hills, Melville, and Highview at Huntington, Huntington Station, housing communities, as well as the total number of calls responded to by the Second Precinct during the same year.

The Millennium Hills housing complex generated 95 calls for service during the year 2005. All calls for service received for Paumonauk Hills Court, Mattituck Court, Cutchogue Court, Peconic Court, Tuckahoe Court, Speonk Court, Shimmecock Court, Sagaponack Court, and Ponguogue Court are included in the figure.

The Highview at Huntington housing complex generated 51 calls for service during the year 2005. All calls for service received for Biltmore Circle and for Seaview Place are included in the figure.

Enclosed please find a report for each housing complex which provides the quantity of calls for service received during the year 2005, broken down by nature of call.

There were 85,883 calls for service received by the Suffolk County Police Department for the Second Precinct during the same time frame.

The statistical data contained herein has been received from several departmental databases. Although perfect certainty in statistical reporting is a goal, it should be understood that the data is merely a snapshot of case status and disposition on the day the data is compiled. Cases constantly undergo reclassification. Laws change as do reporting procedures, thus there may be discrepancies in the data presented herein as time progresses.

I hope the enclosed statistics will be of assistance to you. If you have any questions, please contact Management Analyst Richard Agostini at (631) 852-6092.

Sincerely,

William English  
Senior Management Analyst  
Research and Development Section

30 YAPHANK AVENUE, YAPHANK, NEW YORK 11980 - (631) 852-6000

**Suffolk County Police Department  
Calls for Service  
Millinium Hills Housing Complex, Melville  
January 1, 2005 through December 31, 2005**

<u>DESCRIPTION</u>	<u>COUNT</u>
ABANDONED VEH	2
AGG HARASS 2	5
AIDED CASE	8
ALARM - MISC	4
ALARM - RESIDENTIAL	7
ARREST WARRANT	1
BURGLARY 2	2
CIVIL DOCUMENTATION	1
CPSP 4	1
CRIM MISCHIEF 4	3
CRIM TRESPASS 2	2
DISORD CONDUCT	1
DISTURBANCE	23
DOMESTIC	6
GRAND LARCENY 4	1
HARASSMENT 2	5
LOST/FOUND PROP	1
LV SCN ACCDNT	1
MISCELLANEOUS	3
PETIT LARCENY	2
POLICE INFO	9
SUSP PERS/VEH	6
UNAUTH USE VEH 3	1
<u>TOTAL</u>	<u>95</u>

**OFFICIAL  
SUFFOLK COUNTY POLICE DEPT.  
DOCUMENT**

**Suffolk County Police Department  
Calls for Service  
Highview at Huntington, Huntington Station  
January 1, 2005 through December 31, 2005**

<u>DESCRIPTION</u>	<u>COUNT</u>
AGG HARASS 2	1
AIDED CASE	8
ALARM - MISC	2
ALARM - RESIDENTIAL	21
CIVIL DISPUTE	1
CRIM MISCHIEF 4	2
DISTURBANCE	5
DOMESTIC	5
MVA	1
PETIT LARCENY	1
POLICE INFO	4
<u>TOTAL</u>	<u>51</u>

7005 1820 0000 1956 2091

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, Not for International Mail)

Central Records

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To: Central Records

Street, Apt. No.,  
or PO Box No.

City, State, ZIP+4

PS Form 3811, February 2004 SEE POSTAGE FOR ORIGINAL

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <u>[Signature]</u> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>J. C. [Signature]</u> C. Date of Delivery <u>2/2/00</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No          If YES, enter delivery address below:</p>
<p>1. Article Addressed to:  <u>Central Records</u>  <u>Police Department</u>  <u>Yaphank NY 11980</u></p>	<p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number <u>7005 1820 0000 1956 2091</u>          (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>



**APPLICATION FOR PUBLIC ACCESS TO RECORDS**  
**SUFFOLK COUNTY POLICE DEPARTMENT**

PDCS-5414e

**SECTION I. TO BE COMPLETED BY APPLICANT**

TO:  Central Records  
 Police Department  
 Yaphank, N.Y. 11980 Tel: 631-852-6015

Freedom of Information Officer  
 Command: \_\_\_\_\_  
 Address: \_\_\_\_\_

I HEREBY APPLY FOR A CERTIFIED COPY OF THE REPORT/RECORD DESCRIBED BELOW (please supply as much of the listed information as possible, printing your entries with a ball point pen):

APPLICANT'S NAME (FIRST, INIT, LAST) Kim A. Gennaro, AICP	APPLICANT'S SIGNATURE <i>K. Gennaro</i>	DATE OF APPLICATION August 29, 2006
APPLICANT'S ADDRESS 368 Veterans Memorial Highway - Suite 3 Commack, NY 11725	APPLICANT'S PHONE 631-499-2222	
NAME OF BUSINESS/FIRM Freudenthal & Elkowitz Consulting, Group, Inc.	NAME OF CLIENT REPRESENTED Housing Help, Inc.	
CHECK 1A or 1B: 1A <input type="checkbox"/> MOTOR VEHICLE ACCIDENT REPORT	1B <input checked="" type="checkbox"/> OTHER REPORT/RECORD (Describe in item 2. below)	

2. DESCRIPTION OF REPORT OR RECORD (IF OTHER THAN A MOTOR VEHICLE ACCIDENT REPORT): Data on the number of incidents reported in 2005 for the Millenium Hills and Highview at Huntington Housing communities. Also, the total number of calls to the Second Precinct in 2005

3 NAMES OF DRIVER(S) N/A (see attached correspondence)

4 NAME OF COMPLAINANT N/A

5 NAME OF VICTIM N/A

6 DATE OF OCCURRENCE N/A

7 PRECINCT NO 2

8 CC NUMBER

9 LOCATION OF OCCURRENCE Millenium Hills housing complex, Walt Whitman Rd, Melville Highview at Huntington housing complex, Biltmore Circle, Huntington Station

10 MAIL REPORT/RECORD TO: Kim Gennaro, AICP  
 368 Veterans Memorial Highway- Suite 3  
 Commack, New York 11725

**SECTION II FOR USE BY DEPARTMENT FREEDOM OF INFORMATION OFFICER ONLY**

- APPROVED
- \*  APPROVED WITH REDACTIONS
- \*  PARTIAL APPROVAL
- \*  DENIED
- RECORD CANNOT BE FOUND AFTER DILIGENT SEARCH
- RECORDS ARE NOT POSSESSED OR MAINTAINED BY THIS AGENCY
- ADDITIONAL INFORMATION NEEDED \_\_\_\_\_
- THIS INCIDENT IS NOT WITHIN OUR JURISDICTION
- RECEIPT OF THIS REQUEST IS ACKNOWLEDGED THERE WILL BE A DELAY IN SUPPLYING THE REQUESTED RECORD UNTIL \_\_\_\_\_ FOR THE FOLLOWING REASON:  
 \_\_\_\_\_
- OTHER \_\_\_\_\_

\* SEE ATTACHMENT (PDCS-5414-1) FOR EXPLANATION

SIGNATURE	TITLE: FREEDOM OF INFORMATION OFFICER	DATE
-----------	---------------------------------------	------

YOU HAVE THE RIGHT TO APPEAL A DENIAL OF THIS APPLICATION IN WRITING TO THE OFFICE OF THE COUNTY ATTORNEY WITHIN 30 DAYS OF THE DENIAL INFORMATION AS TO THE PERSON TO CONTACT IS SHOWN BELOW THE CONTACTED PERSON MUST RESPOND TO YOU IN WRITING WITHIN TEN BUSINESS DAYS OF RECEIPT OF YOUR APPEAL

SUFFOLK COUNTY ATTORNEY: H LEE DENNISON BUILDING  
 100 VETERANS MEMORIAL HIGHWAY  
 P O BOX 6100  
 HAUPPAUGE, N Y 11788

COUNTY OF SUFFOLK



STEVE LEVY  
COUNTY EXECUTIVE

RICHARD DORMER  
POLICE COMMISSIONER

POLICE DEPARTMENT

August 21, 2006

Ms. Kim A. Gennaro, AICP  
Senior Project Manager  
Freudenthal & Elkowitz Consulting Group, Inc  
368 Veterans Memorial Highway, Suite 3  
Commack, New York 11725

Dear Ms Gennaro:

With regard to your request for data dated 8/7/06 that was forwarded to the Second Precinct, the Central Records Section is the repository of data and records for the Suffolk County Police Department

In order to facilitate your request, enclosed you will find an "Application for Public Access to Records" form that you may submit to the Central Records Section located at the Suffolk County Police Department Headquarters in Yaphank, New York.

Very truly yours,

A handwritten signature in black ink, appearing to read "T. R. Brandon".

Thomas R. Brandon, Deputy Inspector  
Executive Officer, Second Precinct

TRB:pd  
encls.

7005 1820 0000 1956 1889

**REGISTERED MAIL RECEIPT**

**POSTAGE & FEES**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.64

8/17/06  
Postmark Here  
Houston TX

Sent to Blac-Hlee SCP Dept

Street Apt. No. or PO Box No.

City, State, ZIP+4

# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

368 Veterans Memorial Highway, Suite 3

August 7, 2006

Commacl., New York 11725

Tel: (631) 499-2222

**VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

Fax: (631) 499-5928

fecg@fecg.us

Joseph Blaettler, Commanding Officer  
Suffolk County Police Department  
Second Precinct  
1071 Park Avenue  
Huntington, NY 11743

Re: Housing Help, Inc.  
Proposed Development of Matinecock Court  
Northwest Corner of Pulaski Road and Elwood Road  
Hamlet of Greenlawn, Town of Huntington  
Suffolk County, New York

Dear Officer Blaettler:

This firm is serving as environmental consultants to Housing Help, Inc. for its proposed development of a 155-unit, affordable housing development in the hamlet of Greenlawn. During the environmental review process, individuals of the community have alleged that the construction of an affordable housing community would increase crime rates in the surrounding area, and Millennium Hills (located on Walt Whitman Road in the hamlet of Melville) and Highview at Huntington (located on Biltmore Circle in the hamlet of Huntington Station) have been used as examples.

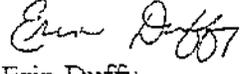
We are respectfully requesting data on the number of incidents reported in 2005 for the Millennium Hills and Highview at Huntington housing communities, as well as the total number of calls responded to by the Second Precinct this same year.

Thank you for your assistance in this matter. Please feel free to contact either of the undersigned if you should have any questions concerning this request.

Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.

  
Kim A. Gennaro, AICP  
Senior Project Manager

  
Erin Duffy  
Senior Environmental Planner

KG/ED/ba

COUNTY OF SUFFOLK



STEVE LEVY  
COUNTY EXECUTIVE

RICHARD DORMER  
POLICE COMMISSIONER

POLICE DEPARTMENT

August 21, 2006

Ms. Kim A. Gennaro, AICP  
Senior Project Manager  
Freudenthal & Elkowitz Consulting Group, Inc.  
368 Veterans Memorial Highway, Suite 3  
Commack, New York 11725

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Very truly yours,

Thomas R. Brandon, Deputy Inspector  
Executive Officer, Second Precinct

TRB:pd  
encls.

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

*J. Baetler  
Commanding Officer  
SC. Pol. Dept.  
Second Precinct  
1071 Park Ave  
Huntington NY  
11743*

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
*[Signature]*  Addressee

B. Received by (Printed Name) C. Date of Delivery  
*(S) LOUIS MOLIVAR* 8-9

D. Is delivery address different from Item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

7005 1820 0000 1956 1889

7005 1820 0000 1456 1887

UNITED STATES POSTAL SERVICE  
FIRST CLASS PERMIT NO. 1000 WASHINGTON, DC 20540

POSTAGE WILL BE PAID BY ADDRESSEE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.04

8/17/00  
Postmark Here  
Hav 02 243

Sent to	Y. Blac + Rec SCIP Dept
Street/Post No. or PO Box No.	
City, State ZIP+4	

POSTAGE WILL BE PAID BY ADDRESSEE

# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

368 Veterans Memorial Highway, Suite 3

August 7, 2006

Commack, New York 11725

Tel: (631) 499-2222

**VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

Fax: (631) 499-5928

fecg@fecg.us

Joseph Blaettler, Commanding Officer  
Suffolk County Police Department  
Second Precinct  
1071 Park Avenue  
Huntington, NY 11743

Re: Housing Help, Inc.  
Proposed Development of Matinecock Court  
Northwest Corner of Pulaski Road and Elwood Road  
Hamlet of Greenlawn, Town of Huntington  
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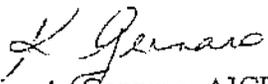
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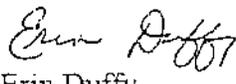
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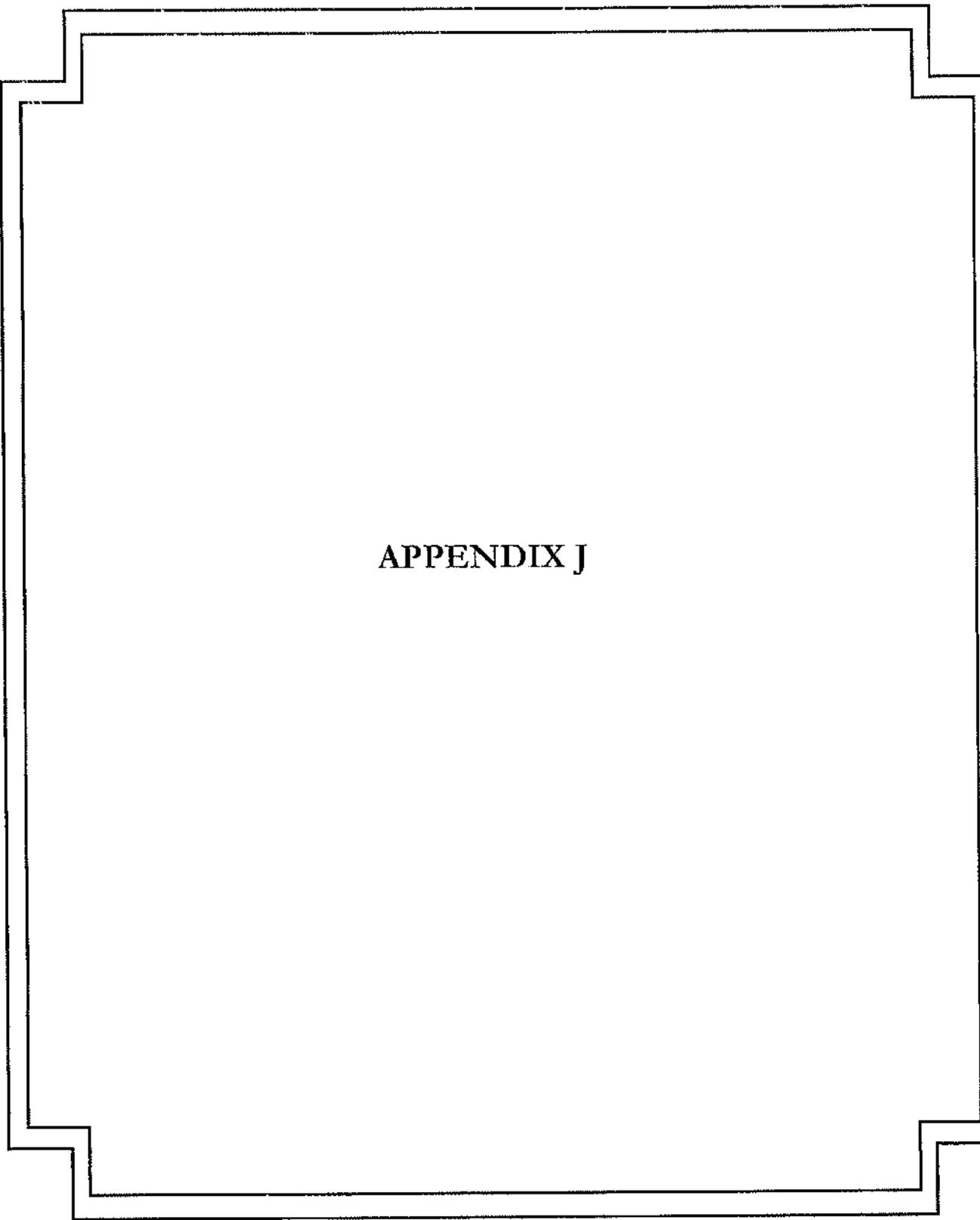
Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.

  
Kim A. Gennaro, AICP  
Senior Project Manager

  
Erin Duffy  
Senior Environmental Planner

KG/ED/ba



**APPENDIX J**

COUNTY OF SUFFOLK



STEVE LEVY  
COUNTY EXECUTIVE

RICHARD DORMER  
POLICE COMMISSIONER

POLICE DEPARTMENT

October 2, 2006

Kim A. Gennaro, AICP  
Senior Project Manager  
Freudenthal & Elkowitz Consulting Group  
368 Veterans Memorial Highway, Suite 3  
Commack, NY 11725

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Sincerely,

William English  
Senior Management Analyst  
Research and Development Section

30 YAPHANK AVENUE, YAPHANK, NEW YORK 11980 - (631) 852-6000

**Suffolk County Police Department  
Calls for Service  
Millinium Hills Housing Complex, Melville  
January 1, 2005 through December 31, 2005**

<u>DESCRIPTION</u>	<u>COUNT</u>
ABANDONED VEH	2
AGG HARASS 2	5
AIDED CASE	8
ALARM - MISC	4
ALARM - RESIDENTIAL	7
ARREST WARRANT	1
BURGLARY 2	2
CIVIL DOCUMENTATION	1
CPSP 4	1
CRIM MISCHIEF 4	3
CRIM TRESPASS 2	2
DISORD CONDUCT	1
DISTURBANCE	23
DOMESTIC	6
GRAND LARCENY 4	1
HARASSMENT 2	5
LOST/FOUND PROP	1
LV SCN ACCDNT	1
MISCELLANEOUS	3
PETIT LARCENY	2
POLICE INFO	9
SUSP PERS/VEH	6
UNAUTH USE VEH 3	1
<u>TOTAL</u>	<u>95</u>

**OFFICIAL  
SUFFOLK COUNTY POLICE DEPT.  
DOCUMENT**

**Suffolk County Police Department  
Calls for Service  
Highview at Huntington, Huntington Station  
January 1, 2005 through December 31, 2005**

<u>DESCRIPTION</u>	<u>COUNT</u>
AGG HARASS 2	1
AIDED CASE	8
ALARM - MISC	2
ALARM - RESIDENTIAL	21
CIVIL DISPUTE	1
CRIM MISCHIEF 4	2
DISTURBANCE	5
DOMESTIC	5
MVA	1
PETIT LARCENY	1
POLICE INFO	4
<u>TOTAL</u>	<u>51</u>

7005 1820 0000 1956 2091

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, Not for International Use)

Central Post Office, New York, NY 10001

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To Central Records

Street, Apt. No.,  
or PO Box No.

City, State, ZIP+4

PS Form 3811, 2004 PSN 7530-01-000-9000 SEE INSTRUCTIONS FOR POSTAGE

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <u>[Signature]</u> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <u>J. C. [Signature]</u> C. Date of Delivery <u>2/2/00</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>
<p>1. Article Addressed to: <u>Central Records</u> <u>Police Department</u> <u>Yaphank NY 11980</u></p>	<p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number <u>7005 1820 0000 1956 2091</u> (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>



**APPLICATION FOR PUBLIC ACCESS TO RECORDS**  
**SUFFOLK COUNTY POLICE DEPARTMENT**

PDCS-5414e

**SECTION I. TO BE COMPLETED BY APPLICANT**

TO:  Central Records  
 Police Department  
 Yaphank, N.Y. 11980 Tel: 631-852-6015

Freedom of Information Officer  
 Command: \_\_\_\_\_  
 Address: \_\_\_\_\_

I HEREBY APPLY FOR A CERTIFIED COPY OF THE REPORT/RECORD DESCRIBED BELOW (please supply as much of the listed information as possible, printing your entries with a ball point pen):

APPLICANT'S NAME (FIRST, INIT, LAST) Kim A. Gennaro, AICP	APPLICANT'S SIGNATURE <i>Kim A. Gennaro</i>	DATE OF APPLICATION August 29, 2006
APPLICANT'S ADDRESS 368 Veterans Memorial Highway - Suite 3 Commack, NY 11725	APPLICANT'S PHONE 631-499-2222	
NAME OF BUSINESS/FIRM Freudenthal & Elkowitz Consulting, Group, Inc.	NAME OF CLIENT REPRESENTED Housing Help, Inc.	
CHECK 1A or 1B: 1A <input type="checkbox"/> MOTOR VEHICLE ACCIDENT REPORT	1B <input checked="" type="checkbox"/> OTHER REPORT/RECORD (Describe in item 2. below)	

2. DESCRIPTION OF REPORT OR RECORD (IF OTHER THAN A MOTOR VEHICLE ACCIDENT REPORT): Data on the number of incidents reported in 2005 for the Millenium Hills and Highview at Huntington Housing communities. Also, the total number of calls to the Second Precinct in 2005

3 NAMES OF DRIVER(S) N/A (see attached correspondence)

4 NAME OF COMPLAINANT N/A

5 NAME OF VICTIM N/A

6 DATE OF OCCURRENCE N/A

7 PRECINCT NO 2

8 CC NUMBER

9 LOCATION OF OCCURRENCE Millenium Hills housing complex, Walt Whitman Rd, Melville Highview at Huntington housing complex, Biltmore Circle, Huntington Station

10 MAIL REPORT/RECORD TO: Kim Gennaro, AICP  
 368 Veterans Memorial Highway- Suite 3  
 Commack, New York 11725

**SECTION II FOR USE BY DEPARTMENT FREEDOM OF INFORMATION OFFICER ONLY**

- APPROVED
- \*  APPROVED WITH REDACTIONS
- \*  PARTIAL APPROVAL
- \*  DENIED
- RECORD CANNOT BE FOUND AFTER DILIGENT SEARCH
- RECORDS ARE NOT POSSESSED OR MAINTAINED BY THIS AGENCY
- ADDITIONAL INFORMATION NEEDED \_\_\_\_\_
- THIS INCIDENT IS NOT WITHIN OUR JURISDICTION
- RECEIPT OF THIS REQUEST IS ACKNOWLEDGED THERE WILL BE A DELAY IN SUPPLYING THE REQUESTED RECORD UNTIL \_\_\_\_\_ FOR THE FOLLOWING REASON:  
 \_\_\_\_\_
- OTHER \_\_\_\_\_

\* SEE ATTACHMENT (PDCS-5414-1) FOR EXPLANATION

SIGNATURE	TITLE: FREEDOM OF INFORMATION OFFICER	DATE
-----------	---------------------------------------	------

YOU HAVE THE RIGHT TO APPEAL A DENIAL OF THIS APPLICATION IN WRITING TO THE OFFICE OF THE COUNTY ATTORNEY WITHIN 30 DAYS OF THE DENIAL INFORMATION AS TO THE PERSON TO CONTACT IS SHOWN BELOW THE CONTACTED PERSON MUST RESPOND TO YOU IN WRITING WITHIN TEN BUSINESS DAYS OF RECEIPT OF YOUR APPEAL

SUFFOLK COUNTY ATTORNEY: H LEE DENNISON BUILDING  
 100 VETERANS MEMORIAL HIGHWAY  
 P O BOX 6100  
 HAUPPAUGE, N Y 11788

COUNTY OF SUFFOLK



STEVE LEVY  
COUNTY EXECUTIVE

RICHARD DORMER  
POLICE COMMISSIONER

POLICE DEPARTMENT

August 21, 2006

Ms. Kim A. Gennaro, AICP  
Senior Project Manager  
Freudenthal & Elkowitz Consulting Group, Inc  
368 Veterans Memorial Highway, Suite 3  
Commack, New York 11725

Dear Ms Gennaro:

With regard to your request for data dated 8/7/06 that was forwarded to the Second Precinct, the Central Records Section is the repository of data and records for the Suffolk County Police Department

In order to facilitate your request, enclosed you will find an "Application for Public Access to Records" form that you may submit to the Central Records Section located at the Suffolk County Police Department Headquarters in Yaphank, New York.

Very truly yours,

A handwritten signature in black ink, appearing to read "T. R. Brandon".

Thomas R. Brandon, Deputy Inspector  
Executive Officer, Second Precinct

TRB:pd  
encls.

7005 1820 0000 1956 1889

**REGISTERED MAIL RECEIPT**

**POSTAGE & FEES**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.64

8/17/06  
Postmark Here  
Houston TX

Sent to Blac-Hlee SCP Dept

Street Apt. No. or PO Box No.

City, State, ZIP+4

# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

368 Veterans Memorial Highway, Suite 3

August 7, 2006

Commacl., New York 11725

Tel: (631) 499-2222

**VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

Fax: (631) 499-5928

fecg@fecg.us

Joseph Blaettler, Commanding Officer  
Suffolk County Police Department  
Second Precinct  
1071 Park Avenue  
Huntington, NY 11743

Re: Housing Help, Inc.  
Proposed Development of Matinecock Court  
Northwest Corner of Pulaski Road and Elwood Road  
Hamlet of Greenlawn, Town of Huntington  
Suffolk County, New York

Dear Officer Blaettler:

This firm is serving as environmental consultants to Housing Help, Inc. for its proposed development of a 155-unit, affordable housing development in the hamlet of Greenlawn. During the environmental review process, individuals of the community have alleged that the construction of an affordable housing community would increase crime rates in the surrounding area, and Millennium Hills (located on Walt Whitman Road in the hamlet of Melville) and Highview at Huntington (located on Biltmore Circle in the hamlet of Huntington Station) have been used as examples.

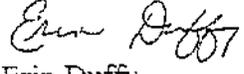
We are respectfully requesting data on the number of incidents reported in 2005 for the Millennium Hills and Highview at Huntington housing communities, as well as the total number of calls responded to by the Second Precinct this same year.

Thank you for your assistance in this matter. Please feel free to contact either of the undersigned if you should have any questions concerning this request.

Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.

  
Kim A. Gennaro, AICP  
Senior Project Manager

  
Erin Duffy  
Senior Environmental Planner

KG/ED/ba

COUNTY OF SUFFOLK



STEVE LEVY  
COUNTY EXECUTIVE

RICHARD DORMER  
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TRB:pd  
encls.

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

*J. Baetler  
Commanding Officer  
SC. Pol. Dept.  
Second Precinct  
1071 Park Ave  
Huntington NY  
11743*

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  Addressee

*[Signature]*

B. Received by (Printed Name) C. Date of Delivery

*(S) LOUIS MOLINARO 8-9*

D. Is delivery address different from Item 1?  Yes  No

If YES, enter delivery address below:

3. Service Type

Certified Mail  Express Mail

Registered  Return Receipt for Merchandise

Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

7005 1820 0000 1956 1889

7005 1820 0000 1456 1887

UNITED STATES POSTAL SERVICE  
FIRST CLASS PERMIT NO. 1000 WASHINGTON, DC 20540

POSTAGE WILL BE PAID BY ADDRESSEE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.04

8/17/00  
Postmark Here  
Hav 02 243

Sent to	Y. Blac + Rec SCIP Dept
Street/Post No. or PO Box No.	
City, State ZIP+4	

POSTAGE WILL BE PAID BY ADDRESSEE

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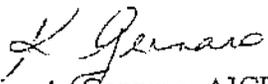
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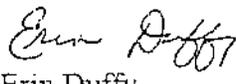
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Sincerely,

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CONSULTING GROUP, INC.

  
Kim A. Gennaro, AICP  
Senior Project Manager

  
Erin Duffy  
Senior Environmental Planner

KG/ED/ba

**APPENDIX K**

*House Rules  
- for  
Highview*

**HOUSE RULES**

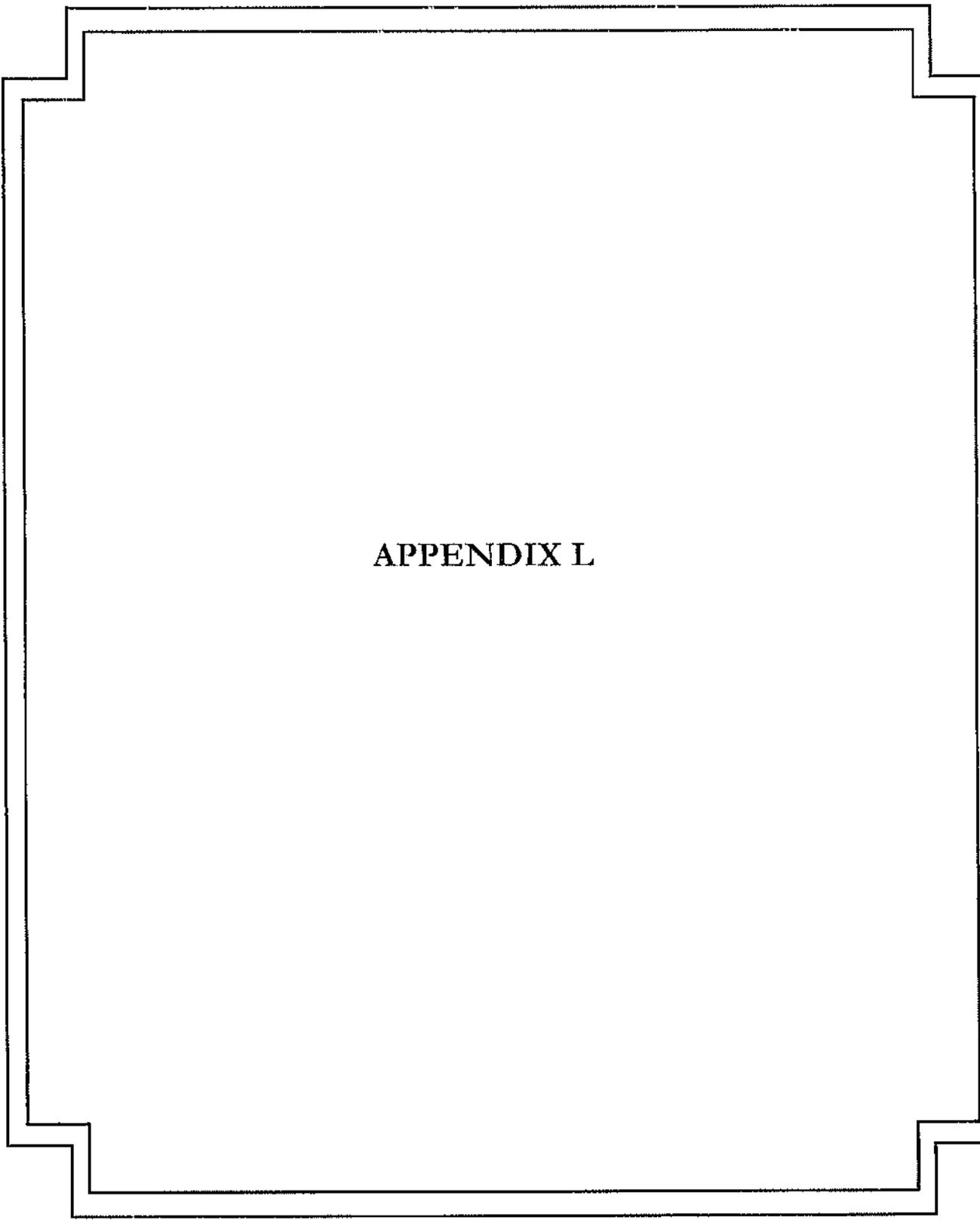
- (1) No Lessee shall make or permit any disturbing noises in the Building(s) or do or permit anything to be done therein which will interfere with the rights, comfort or convenience of other Lessees. No Lessee shall play upon or suffer to be played upon any musical instrument or permit to be operated a stereo system, radio or television in such Lessee's Home between the hours of 11.00 o'clock p.m. and the following 8.00 o'clock a.m. if the same shall disturb or annoy other occupants of the Building(s). No construction or repair work or other installation involving noise shall be conducted in any Home except on weekdays (not including legal holidays) and only between the hours of 8.00 a.m. and 5.00 p.m.
- (2) No awnings, window air-conditioning units or ventilators shall be used in or about the Building(s) except such as shall have been expressly approved by the Lessor or any Managing Agent, nor shall anything be projected out of any window of the Building(s) without similar approval.
- (3) No sign, notice, advertisement or illumination shall be inscribed or exposed on or at any window or other part of the Building(s), except such as shall have been approved in writing by the Lessor or the Managing Agent. This provision shall not apply to any holder of Unsold Shares.
- (4) Water closets and other water apparatus in the Building(s) shall not be used for any purposes other than those for which they were constructed, nor shall any sweepings, rubbish, rags or any other article be thrown into the water closets. The cost of repairing any damage resulting from misuse of any water closets or other apparatus shall be paid for by the Lessee in whose Home it shall have been caused.
- (5) No Lessee shall send any employee of the Lessor out of the Building(s) on any private business of a Lessee.
- (6) All Lessees shall be responsible for picking up and disposing of their pets waste and for any damage caused by their pets to any public portion of the Land and Building(s).
- (7) No radio or television aerial or any other type of receiving or transmitting antenna or structure, including a satellite dish, shall be attached to or hung from the exterior of the Building(s) without the prior written approval of the Lessor or the Managing Agent.
- (8) No vehicle belonging to a Lessee or to a member of the family or guest subtenant, licensee or employee of a Lessee shall be parked in such manner

as to impede or prevent ready access to any entrance of the Building(s) by another vehicle.

- X(9) Any consent or approval given under these House Rules by the Lessor shall be revocable at any time.
- (10) The agents of the Lessor, and any contractor or workman authorized by the Lessor, may enter any Home at any reasonable hour of the day for the purpose of inspecting such Home to ascertain whether measures are necessary or desirable to control or exterminate any vermin, insects or other pests and for the purpose of taking such measures as may be necessary to control or exterminate any such vermin, insects or other pest. If the Lessor takes measures to control or exterminate carpet beetles, the cost thereof shall be payable by the Lessee, as additional rent.
- (11) No laundry, wash or any other article shall be hung anywhere outside of a Home, except in such areas as the managing agent of the Buildings or the Board of Directors of the Lessor may direct.
- (12) No Lessee shall install any temporary or permanent lights or lighting system outside of any Home without the prior written approval of the Lessor.
- (13) No fires or barbecues or other outdoor cooking shall be permitted on any portion of the property owned by the Lessor, except in such areas as the Board of Directors may approve.
- (14) No personal property may be stored on any portion of the property owned by the Lessor outside of the Homes, except as provided by the Board of Directors of the Lessor.
- (15) Commercial license plate vehicles or boats may not be parked on any portion of the property for a period in excess of twenty-four (24) hours without the written consent of the Board of Directors of the Lessor or the Managing Agent.
- (16) No Lessee shall construct or install any improvement on, or in any manner alter or remove any of the property owned by the Lessor outside of the Homes, including without limitation the improvements, planting trees and other vegetation thereon, without the prior written approval of the Lessor.
- (17) In order to avoid damage to the plumbing system, the thermostat in all units must be kept at a minimum of 50 degrees Fahrenheit during the period October 1 through April 30.

207

- (18) Parking is prohibited in any area other than those designated by the Board of Directors and no vehicle may be parked in any manner which would obstruct the use of ingress and egress to any parking space
- (19) No nuisances shall be allowed upon any portion of the property owned by the Lessor, including the Homes, nor shall any use or practice be allowed which is a source of annoyance to residents or which interferes with the peaceful possession and proper use of the Homes by the Lessees
- (20) No improper, offensive or unlawful use shall be made upon any portion of the property owned by the Lessor, including the Homes; and all valid laws, zoning ordinances, the regulations of all governmental bodies having jurisdiction thereof, shall be observed.
- (21) Nothing shall be done or kept in the Homes or upon any public portion of the property owned by the Lessor which will increase the rate of insurance of the Lessor without the prior written consent of the Board of Directors of the Lessor. No Lessee shall permit anything to be done or kept in their Home or upon the public portion of the property owned by the Lessor which will result in the cancellation of insurance on the property owned by the Lessor or which would be in violation of any law
- (22) The Board of Directors of the Lessor shall make such rules and regulations regarding the operation and use of any recreational facilities and all such rules and regulations shall be binding on the Lessees, sublessees, occupants and guests.
- (23) These House Rules may be added to, amended or repealed at any time by resolution of the Board of Directors of the Lessor.



**APPENDIX L**

## **STIPULATION OF SETTLEMENT**

UNITED STATES DISTRICT COURT  
EASTERN DISTRICT OF NEW YORK

-----x  
HOUSING HELP, INC.,

Plaintiff,

-against-

THE TOWN OF HUNTINGTON, NEW YORK, THE  
PLANNING BOARD OF THE TOWN OF  
HUNTINGTON, NEW YORK, THE COMMUNITY  
DEVELOPMENT AGENCY OF THE TOWN OF  
HUNTINGTON, NEW YORK STATE DIVISION  
OF HOUSING & COMMUNITY RENEWAL,  
NEW YORK STATE HOUSING TRUST FUND  
CORPORATION and JOSEPH LYNCH,

CV 97-3430 (ERK) (VVP)

Defendants.

-----x

STIPULATION OF SETTLEMENT AND  
CONSENT DECREE IN FULL SETTLEMENT  
OF CLAIMS BY PLAINTIFF AGAINST DEFENDANTS THE TOWN OF  
HUNTINGTON, NEW YORK, THE PLANNING BOARD OF THE TOWN OF  
HUNTINGTON, NEW YORK, and THE COMMUNITY DEVELOPMENT  
AGENCY OF THE TOWN OF HUNTINGTON, NEW YORK

I. INTRODUCTION

The purpose of this consent decree is to set forth the full and final terms by which the named plaintiff Housing Help, Inc. ("HHI") and defendants, the Town of Huntington, New York (the "Town"), the Planning Board of the Town of Huntington, New York (the "Planning Board"), and the Community Development Agency of the Town of Huntington, New York ("CDA") (hereinafter collectively referred to as the "Town Defendants") have settled and resolved the claims which were raised in the action styled above.

This consent decree is entered into voluntarily by the parties hereto. It is not intended, nor is it to be construed as an admission of liability, fault, wrongdoing, discriminatory or retaliatory conduct, or misconduct of any kind by any of the Town Defendants, express or implied, or as an admission of any allegation made against any of the Town Defendants by HHI. This consent decree shall have no precedential value whatsoever, nor may it be utilized or admitted in any matter, action, or proceeding, other than one commenced by one of the parties hereto, to enforce the terms hereof.

II. NATURE OF THE CASE AND IMPACT OF THIS SETTLEMENT DECREE

In this action, HHI contends that all defendants have engaged in racial discrimination based on "intent and effect" and have retaliated unlawfully with regard to HHI's effort to develop housing affordable to low and moderate income households in the Town of Huntington, at a 14.8-acre parcel at the intersection of Elwood and Pulaski Roads, to be known as "Matinecock Court".

HHI and the Town Defendants have determined that it is in their mutual best interest that this action, as between these parties, be resolved and concluded at this time, upon the terms and provisions set forth herein, with the objective of increasing the amount of affordable housing in the Town of Huntington.

The parties hereto understand and acknowledge that notwithstanding this Consent Decree, this action will proceed against all defendants other than the Town Defendants (i.e., the "State Defendants"), until final determination, including all appeals.

This Decree may be entered without further findings of fact and conclusions of law having been made and entered by the Court. The terms of the settlement set forth below resolve and settle all claims between HHI and the Town Defendants which were raised in this action, to the extent allowable by law.

In consideration of the mutual promises, representations, and commitments set forth herein, HHI releases each and all of the Town Defendants as to any and all claims which were asserted against the Town Defendants in the Third Amended and Supplemental Complaint, and in the various administrative complaints referenced in § VII hereof.

The parties agree to execute and file appropriate papers to dismiss HHI's claims against the Town Defendants, in accordance with this Consent Decree.

### III. RELIEF WITH RESPECT TO THE MATINECOCK COURT DEVELOPMENT

#### A. The Nature of the Development.

HHI hereby represents that, subject to obtaining necessary financing, it intends to construct housing affordable to low and moderate income households at the Matinecock Court site (the "Development"), consisting of no more than 155 residential units, with 50% of all such units to be rental units and 50% of all such units to be equity units.<sup>1</sup>

The Town Board and the CDA represent that they hereby express their support for the Development described above, although neither the Town Board nor the CDA has made any independent analysis or determination with regard to the feasibility of the proposed Development. The Town Board and CDA leave to the Planning Board the responsibility for evaluating in accordance with all applicable laws, codes, regulations, and ordinances any proposed site plan to be submitted by HHI pursuant to, and in accordance with, this Consent Decree.

It is understood that the equity (ownership) units at the Development will require that each owner will obtain his or her own mortgage and that each owner will get individual and separate title to his or her own unit. The equity units shall not mean a limited equity cooperative,

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<sup>1</sup> The odd number unit in the development shall be a unit for the superintendent of the development. Thus, for example, if the development is 155 units, seventy-seven (77) units will be rental units, seventy-seven (77) units will be equity units, and the remaining unit shall be a rental unit reserved for the superintendent.

in which the owner does not obtain his or her own mortgage. It is further understood that the equity units will be structured legally to ensure their continuing affordability to low and moderate income households over time.

The Town Defendants hereby express their support for the Development described above, subject to the additional terms, provisions, and representations set forth below, and provided that the construction and operation of the Development is consistent with all applicable laws, codes, regulations, and ordinances of the Town, the County of Suffolk, and the State of New York, including, but not limited to, environmental, sanitary, and building laws, codes, regulations and ordinances.

**B. Suffolk County Sewer Agency.**

It is understood by all parties that HHI may be required to secure relief from the Suffolk County Sewer Agency in order to proceed with the Matinecock Court Development as described herein. HHI acknowledges that no representations regarding the likelihood of such relief being granted by the Suffolk County Sewer Agency have been made to it by any of the Town Defendants. The Town Defendants shall not oppose any application by HHI to said Sewer Agency in this regard, or act, in any way, to undermine or adversely affect such application.

**C. Community Center.**

HHI shall include in its plans for the Development a Community Center and will utilize its best, good faith efforts to secure funding for the construction of such center. The purpose of the Community Center will be to provide various activities, meetings and services for the residents of the Development and for other Huntington Town residents, as appropriate and consistent with regulations and requirements imposed by the state or federal agencies which may fund the Community Center.

If HHI is unable, despite its best, good faith efforts, to secure funding for the Community Center, it may proceed with the Development without the center and none of the parties hereto will be relieved of any of their obligations as set forth herein.

Nothing herein is intended, or shall be deemed to constitute the approval by the Town Defendants of any particular activity to be conducted at the Community Center. Nor shall anything herein preclude the Town from financially participating in the development of the Community Center, at the Town's sole discretion, if such Town participation is needed to ensure access to the Community Center by the community at large.

**D. Citizen's Advisory Committee.**

Once HHI receives a commitment for the funding of the Development proposed above, it shall form a Citizen's Advisory Committee (the "CAC") regarding the Development within thirty (30) days of securing said commitment. The CAC's mission shall be to advise and assist HHI with respect to issues pertaining to the design, layout, use of property and landscaping of the Development during the planning, design, construction and operation of the Development. Although the CAC shall not possess decisionmaking authority as to these issues, HHI agrees to consider, in good faith, all reasonable suggestions and submissions of the CAC, regarding the issues set forth above, and to work cooperatively with the CAC. After such consideration, the decision of HHI shall be final. The CAC shall have no input concerning the selection of tenants or other residents of the Development.

The CAC shall be comprised of seven members. Three of these members shall be selected by the Board of Directors of HHI. Three additional members shall be selected by the Huntington Town Board from the community at large, who are not affiliated with HHI or the Town government. The seventh member of the CAC shall be either James Morgo, President of the Long Island Housing Partnership, or, if Mr. Morgo is unavailable or unwilling, for any

reason, to serve as the seventh member, then Peter Elkowitz, Executive Vice President of the Long Island Housing Partnership, shall be the seventh member.

The CAC shall meet on a monthly basis, or more frequently as the CAC may decide. Special meetings may be called by a majority of the CAC. Roberts' Rules of Order shall govern the operation of the CAC. The CAC shall convey its advice to HHI regarding the issues it may consider, within a reasonable period. If the CAC fails to convey its advice within such reasonable period, HHI may proceed with the implementation of decisions for the Development in the absence of CAC's recommendations.

**E. The SEORA and Site Plan Processes.**

Nothing contained herein shall be construed or shall operate as a waiver or satisfaction of HHI's obligation to comply with and participate in the State Environmental Quality Review Act ("SEQRA") process and the site plan review process with respect to the Development. In this regard, defendant Planning Board reserves the right to assert "Lead Agency" status in connection with the SEQRA process. HHI also reserves the right to request that an agency or body other than the Planning Board be designated Lead Agency and/or another agency or body may claim the right to serve as a Lead Agency in said process. Nothing contained herein, however, is to be construed as conferring upon the Planning Board the exclusive right to serve as Lead Agency in the SEQRA process, and nothing contained herein shall constitute or be deemed a waiver, approval, or satisfaction of any requirement or element of the SEQRA process or the site plan review process with regard to the Development.

The parties acknowledge the Planning Board has previously conducted a Scoping Session pursuant to SEQRA in connection with HHI's June 1995 site plan submission to the Planning Board and that another scoping session is not required. All other public participation provisions as set forth in SEQRA shall remain applicable to the Development.

In the event that HHI submits a site plan application for 155 residential units at the Development, in accordance with the terms of this Consent Decree, the Planning Board shall not deny approval of HHI's site plan on the basis of the proposed density of the Development. It is further understood that the Planning Board will expedite the site plan review and SEQRA processes, to the extent permitted by law, consistent with the terms of the Partial Final Judgment dated May 16, 1989, and issued in connection with the Huntington Branch NAACP, et al. v. Town of Huntington, et al. (81 Civ. 0541) litigation. The procedures and requirements of the Planning Board as they apply to its site plan review process for the Development shall be no more demanding or stringent than the procedures and requirements applied to previous and current applications for developments which contain an affordable housing component.

**F. Waiver of Fees.**

The Town Board and the Town Planning Board shall authorize full waiver of certain fees and expenses in connection with the aforementioned site plan review process and SEQRA process as may be required by the Town Code. Such fees shall include: DEIS review fees customarily imposed by the Planning Board; FEIS preparation fees customarily imposed by the Planning Board; construction and inspection fees; park fees (if recreational facilities are otherwise adequately provided for in the Development); cash portion of bonding requirements; preliminary subdivision review fees; conditional final application review fees; and building and plumbing permit fees.

The Site Plan fee previously paid by HHI in connection with its June 1995 site plan submission to the Planning Board shall be accepted in full satisfaction of the fee otherwise required in conjunction with the site plan to be submitted for the proposed Development.

**G. Support For Efforts to Secure Additional State and Federal Funding.**

HHI represents that it intends to seek federal and/or state and/or private funding for the following aspects of the Development: construction of the residential units; construction of a

sewage treatment plant ("STP") at the Development site; construction of a community center for the proposed development; on and off site infrastructure improvements that may be necessary or desirable at the proposed Development; and landscaping at the proposed Development.

The Town Defendants hereby express their support for such funding efforts, and agree that HHI may submit this Consent Decree to potential funding sources as evidence of the Town Defendants' support.

Nothing contained herein, however, shall obligate any of the Town Defendants to contribute, pay for, subsidize, or approve any of the foregoing items except as expressly set forth herein.

**H. Parking Requirements.**

If HHI demonstrates, in conjunction with the proposed Development, that it has sufficient space at the Matinecock Court site for the number of parking spaces required by Town Code §198-44 through §198-49, as amended, the Planning Board shall permit HHI to "land bank" those parking spaces in excess of the number of spaces formerly required by those provisions of the Town Code, prior to the December 6, 1994 amendments thereto. If HHI is unable, however, to demonstrate that the site possesses sufficient space to accommodate the number of parking spaces required by Town Code §198-44 through §198-49, as amended, consistent with a proposal of a development of 155 units, a Community Center and a sewage treatment plant, then the Planning Board shall require land banking in numbers of parking spaces no greater than the site will accommodate and shall waive the need for any additional spaces. In no event, however, shall HHI be entitled to be relieved of the requirement of providing parking spaces in numbers sufficient to comply with the provisions of the Town Code as it existed prior to December 6, 1994.

**I. Real Estate Tax Assessment.**

HHI and its representatives have met with the Tax Assessor of the Town of Huntington to provide information regarding the cost of construction, estimated sale price of equity units, square footage, sale, resale, and rent restrictions and subsidies involved in the proposed Development in order to obtain an estimated assessed value of the equity and rental units in the proposed Development. Based on the representations made to the tax assessor, which were confirmed in a letter by HHI to the tax assessor, the tax assessor will provide HHI with a letter of intent (the "letter") which indicates that the real estate tax assessments pertaining to the Development will take into consideration the foregoing information provided to the Tax Assessor by HHI. It is understood and agreed that the Tax Assessor will abide by the representations made in the letter, and the representations may be enforced by this Court as appropriate. It is understood that the letter shall not be construed to be a real property tax exemption or abatement.

**J. Community Development Agency Support.**

Defendant CDA agrees that in the next annual update of its Consolidated Plan, HHI's proposed Development, as described herein, shall be referenced specifically. CDA agrees to amend its current Consolidated Plan so as to include a specific reference, to the extent permitted by law.

The CDA shall include in its applications for Community Development Block Grant ("CDBG") funds from the United States Department of Housing and Urban Development ("HUD") for each of the five consecutive fiscal years following the entry of this Consent Decree, commencing with the fiscal year beginning on August 1, 2001, requests for allocations of CDBG funds to defray qualified expenses associated with the Development, in the amount of \$50,000 per year, or 5% of the CDA's total award of CDBG funds for that year, whichever is less. The CDA shall remit to HHI the monies so allocated by HUD in response to the CDA's aforesaid.

requests, in accordance with, and unless otherwise prohibited by HUD guidelines. Within ten (10) days of the entry of this Consent Decree, HHI shall advise HUD, in writing, that it withdraws any and all objections previously made to CDA's application for CDBG funds for the fiscal year beginning August 1, 2000.

In addition to the foregoing, the CDA shall use its best, reasonable efforts to secure from HUD additional funds, other than CDBG funds, for employment positions required by HHI in connection with the operation of the proposed Development.

**IV. OTHER RELIEF NOT RELATED TO MATINECOCK COURT.**

After the entry of this Consent Decree The Town Defendants will make available to HHI, for purchase by HHI, the first three residential tax foreclosure properties that are made available to the Town by the County of Suffolk, which are acceptable to HHI for rehabilitation or new construction purposes for provision of housing to low and moderate income households. The purchase price for such properties shall be the out-of-pocket expense, if any, incurred by the Town in obtaining such properties from the County of Suffolk.

V. DURATION OF TOWN DEFENDANTS' LAND USE COMMITMENTS WITH RESPECT TO THE MATINECOCK COURT SITE.

This Consent Decree fully and finally resolves all of HHI's claims in this action against the Town Defendants. Nevertheless, the promises, commitments, and obligations of the Town Defendants which are set forth herein regarding the Development shall not remain in effect in perpetuity. In the event HHI prevails against the State Defendants, this decree will continue in effect so that funding for the Development may be obtained from the State Defendants and so that HHI has adequate time to obtain all approvals necessary to proceed with the project. Assuming that HHI proceeds with the Development with funds received from the State Defendants, then the Town Defendants' obligations will continue pursuant to the terms hereof.

Assuming HHI does not prevail with respect to its claims against the State Defendants, whether on trial or after all appeals have been exhausted, and assuming HHI does not settle with the State Defendants before that time, the parties recognize that HHI might pursue sources of funding for the development other than the State Defendants. In order that HHI be afforded adequate time to seek alternative funding, the obligations of the Town Defendants pursuant to this Consent Decree will remain in effect for eight (8) years, from the time that final judgment, after all appeals, is entered in this case, or from the time plaintiff's claims against the State Defendants are otherwise disposed of, unless HHI informs the Town Defendants earlier that it has abandoned its effort to construct the Development, as described herein.

For good cause shown, any party to this Consent Decree may apply to this Court for an alteration of this provision, as the result of significantly changed circumstances.

VI. JURISDICTION.

This Court has jurisdiction over the subject matter of this action and the parties hereto and shall retain jurisdiction of this action for purposes of entering all orders, judgments and decrees necessary to interpret, enforce and implement this decree.

Counsel for HHI and counsel for the Town Defendants may apply to this Court, upon ten (10) days' written notice to the other, for further orders and directives consistent with the terms of this decree, and/or for the enforcement of compliance therewith. Any claims of noncompliance with any provision of this decree shall be made only after counsel have conferred in an effort to resolve the problem without court intervention.

**VII. ADMINISTRATIVE COMPLAINTS MADE BY PLAINTIFF**

HHI acknowledges that it has previously complained, via formal and/or informal complaints and letters, to the U.S. Department of Housing and Urban Development (HUD) and/or the United States Department of Justice (DOJ) concerning the Town Defendants' acts or omissions regarding HHI's effort to obtain funding for, and to ultimately construct, the Development, and the CDA's acts or omissions regarding allocation of CDBG funds and/or inclusion of a reference to the Development in its Consolidated Plan and related updates.

HHI agrees that within ten (10) days of the date upon which this Consent Decree is executed, it will inform HUD and DOJ, in writing, with a copy to the Town Defendants' counsel, that each and all HHI's complaints, charges, and/or allegations with regard to Matinecock Court, have been resolved to HHI's satisfaction. Such letter or letters shall also include HHI's request that neither HUD nor DOJ commence any action or proceeding against any of the Town Defendants with regard to the proposed Matinecock Court Development.

**VIII. FEES, COSTS AND EXPENSES.**

The parties acknowledge that HHI's counsel is entitled to recover reasonable attorney's fees, costs, and disbursements, in connection with this action. The parties will endeavor to negotiate and agree upon the amount of such fees, costs, and disbursements; but acknowledge that if they fail to reach agreement, HHI may apply to this Court for a determination regarding the issue. In the event HHI makes such an application, and notwithstanding the foregoing provisions of this paragraph, the Town Defendants expressly retain their right to contest the

hourly rate asserted, the legal services for which compensation is sought, and the amount of costs and/or disbursements for which reimbursement is sought by HHI's counsel.

**IX. ENTIRE AGREEMENT.**

This consent decree constitutes the entire agreement between HHI and the Town Defendants, and may only be altered in writing, signed by or on behalf of each party hereto, with the approval of the Court.

**X. COMMUNICATIONS**

All communications between HHI, its counsel, any of the Town Defendants, or its counsel, pertaining to this Consent Decree, shall be made in writing and transmitted by overnight courier, or hand delivered to the addressees, as set forth below. All communications shall be deemed received by the recipient on the date of hand deliver, or, in the event of transmittal by overnight courier, on the day following deposit with such overnight courier:

Communications made from or on behalf of HHI to defendant Town of Huntington, shall be addressed to:

Town Supervisor  
Huntington Town Hall  
100 Main Street  
Huntington, New York 11743-6991

With a copy to:

Town Attorney  
Huntington Town Hall  
100 Main Street  
Huntington, New York 11743-6991

And a copy to:

Nixon Peabody LLP  
990 Stewart Avenue  
Garden City, New York 11530  
Att: Michael S. Cohen, Esq.

Communications made from or on behalf of HHI to defendant Planning Board, shall be addressed to:

Huntington Planning Director  
Huntington Town Hall  
100 Main Street  
Huntington, New York 11743-6991

With a copy to:

Town Attorney  
Huntington Town Hall  
100 Main Street  
Huntington, New York 11743-6991

And a copy to:

Nixon Peabody LLP  
990 Stewart Avenue  
Garden City, New York 11530  
Att: Michael S. Cohen, Esq.

Communications made from or on behalf of HHI to defendant Community Development Agency, shall be addressed to:

Community Development Agency of the Town of Huntington  
Huntington Town Hall  
100 Main Street – Room 309  
Huntington, New York 11743-6991  
Att: Executive Director

With a copy to:

Town Attorney  
Huntington Town Hall  
100 Main Street  
Huntington, New York 11743-6991

And a copy to:

Nixon Peabody LLP  
990 Stewart Avenue  
Garden City, New York 11530  
Att: Michael S. Cohen, Esq.

Communications made from or on behalf of any of the Town Defendants to HHI, shall be addressed to:

Housing Help, Inc.  
91-101 Broadway  
Suite 6  
Greenlawn, New York 11740  
Att: Executive Director

With a copy to:

Richard Bellman, Esq.  
Steel, Bellman, Ritz & Clark, P.C.  
225 Broadway, Suite 2501  
New York, New York 10007-3088

Consented and agreed to this 10<sup>th</sup> day of October, 2000.

HOUSING HELP, INC.

By: Ulysses H. Spicer  
Ulysses Spicer, President

TOWN OF HUNTINGTON, NEW YORK

By: Frank P. Petrone  
Frank P. Petrone, Town Supervisor

COMMUNITY DEVELOPMENT AGENCY  
OF THE TOWN OF HUNTINGTON, NEW YORK

By: Frank P. Petrone  
Frank P. Petrone, Chairman

PLANNING BOARD OF THE TOWN OF  
HUNTINGTON, NEW YORK

By: Tracy Edwards  
Tracy Edwards, Chairperson  
Tracy TE.

So Ordered, this 11 of Oct, 2000.

David R. Lawrence  
United States District Judge

**APPENDIX M**

**MATINCECOCK COURT  
NOISE ASSESSMENT  
MODIFIED 2006**

**Prepared by:**

**Freudenthal & Elkowitz Consulting Group, Inc.  
1757-24 Veterans Memorial Highway  
Islandia, New York 11749  
(631) 499-2222**

**May 2007**

Pursuant to the recent data provided by the Long Island Railroad (“LIRR”) in correspondence dated November 2, 2006, the noise assessment prepared as part of the Draft Environmental Impact Statement (“DEIS”) has been modified using the 2006 operations data provided. The following text supplements the data in Worksheet D of the U.S. Department of Housing and Urban Development’s *Noise Assignment Guidelines* (see attached).

Noise Assessment Location and Effective Distance

As indicated in Section 3.6 of the DEIS, the Noise Assessment Locations (NALs) chosen for this assessment are the two housing units proximate to the southwest and south of the proposed location of on-site trash receptacles, respectively NAL<sub>1</sub> and NAL<sub>2</sub>. NAL<sub>1</sub> is situated closest to the railway tracks at an approximate effective distance of 165 feet, and NAL<sub>2</sub> is located closest to a section of railway tracks reserved for whistle or horn use, at an approximate distance of 320 feet.

Actual Number of Trains

According to information provided by the LIRR, the existing schedule includes 44 trains provided in a 24-hour weekday and 30 trains in a 24-hour weekend.

Average Total Number of Trains

According to information provided by the LIRR, the average number of trains in one day is as follows:

Weekdays:	44 Trains x 5 days	=	220 trains
Weekends:	30 Trains x 2 days	=	60 trains
	Total	=	280 trains
	Average	=	40 trains/day

### Number of Trains Operating Between 10:00 PM and 7:00 AM

Of the total 220 trains during the weekday, approximately 75 trains, or 34 percent of the total, operate between the hours of 10:00 p.m. and 7:00 a.m. when the generally accepted noise nuisance levels drop considerably. On the weekend, 20 trains or 33 percent of the 60 total trains operate at night.

### Average Percentage of Trains Operating at Night

The average percentage of trains operating at night in one week is as follows:

Since year-round railroad traffic was reported to be constant by the LIRR, the foregoing value of 33 percent also corresponds to the yearly nighttime percent average. Therefore, based on the above, an average of 33 percent of all trains operate at night (between 10:00 pm and 7:00 am) on the LIRR-Port Jefferson Branch.

### Number of Rail Cars Per Train

Based on the information provided, the weekday trains average five cars. The weekend trains average four cars.

### Number of Locomotives Per Train

As indicated by the LIRR, all trains on the Port Jefferson Branch are using C3 bi-level cars with either one DE-locomotive or two DM30-locomotives. The proportion of trains with DE versus DM30 locomotives was not reported. Therefore, the conservative number of two locomotives per train was retained.

### Average Speed Per Train

According to the LIRR, the average speed through the Greenlawn area is 55 miles per hour. The maximum authorized speed is 65 miles per hour.

### Whistle Requirements

Horns are blown near the Elwood Road grade crossing located approximately 1,150 feet to the northeast of the NAL<sub>1</sub> (and approximately 1,050 feet to the northeast of NAL<sub>2</sub>). Two additional crossings at Larkfield Road and Taylor Avenue are located approximately 0.8 miles to the east-northeast and 1.1 miles to the west of the subject property, respectively.

### Noise from Diesel Locomotives

The methodology provided in the *Noise Assessment Guidelines* to determine diesel locomotive DNL values assumes the following: a clear line of sight exists between the NAL and railway track; there are two diesel locomotives per train; the average train speed is 30 miles per hour; nighttime operations are 15 percent of the 24-hour total; and the site is not perpendicular to any point on the track between the whistle posts (signposts that tells the train conductor to start blowing the horn or whistle) for the grade crossing, requiring prolonged horn or whistle use. Adjustment factors are provided to account for any deviations from these assumptions.

For the purpose of conservative noise analyses, the noise environment on the property was evaluated as if there were always two diesel locomotives per train, with a clear line of sight between the NAL and the railway track. The following adjustment factors were employed to determine the DNL:

Average Speed is 45 miles per hour

As provided in Table 9 of the *Noise Assessment Guidelines*:

$$\text{Speed Adjustment Factor} = 0.55$$

Nighttime Operation: Annual Average is 33 percent

As provided in Table 5 of the *Noise Assessment Guidelines*:

$$\text{Nighttime Adjustment Factor} = 1.78$$

On March 8, 2004, the location of a potential whistle post west of the Elwood Road grade crossing could not be found. Instead, at or about noon, a passenger train from Greenlawn to Northport Stations (i.e., in the west-to-east direction) made use of a horn at approximately 1,000 feet west of the Elwood Road crossing. This corresponds, approximately, to the western edge of the existing Elwood substation owned by the LIPA. Consequently, only NAL<sub>2</sub> is located perpendicular to a point on the track horn of whistle use.

Horn/Whistle Blowing (NAL<sub>2</sub> only)

$$\text{Horns Adjustment Factor} = 10$$

As shown on the worksheets in Attachment B, the Adjusted Daily Number of Operations was determined to be 35.6<sup>1</sup> for NAL<sub>1</sub>. Thus, when plotted on Work Chart 3 (see attached), the DNL for diesel locomotives at an effective distance of 165 feet and 320 feet is 66 dBA and 72 dBA, respectively. These sound levels are defined as Normally Unacceptable by the U.S. Department of Housing and Urban Development. A discussion of the potential noise impacts on the proposed development and mitigation measures incorporated into the proposed plan is included in Section 4.6 of this DEIS.

---

<sup>1</sup> [Speed Adjustment Factor] × [Nighttime Adjustment Factor] × [No. of Trains] = Adjusted Daily Number of Operations: 0.50 × 1.78 × 40 = 35.6

## Noise from Railway Cars

The methodology provided in the *Noise Assessment Guidelines* to determine DNL values from railway cars assumes the following: a clear line of sight exists between the NALs and railway track; there are fifty cars per train; the average train speed is 30 miles per hour; nighttime operations are 15 percent of the 24-hour total; and rails are welded together. Adjustment factors are provided to account for any deviations from these assumptions.

Again, to ensure a conservative noise analysis, the noise environment on the property was assessed as if there was clear line of sight between the NALs and the railway track. Regarding the subject property, the following adjustment factors were employed to determine the DNL:

### Average Number of Cars Per Train is 5

$$\begin{aligned} \text{Car Adjustment Factor} &= \text{Number of Cars} / 50 \\ &= 5 \text{ Cars} / 50 \\ &= 0.10 \text{ Cars} \end{aligned}$$

### Average Speed is 55 miles per hour

As provided in Table 10:

$$\text{Speed Adjustment Factor} = 4.0$$

### Nighttime Operation: Annual Average is 33 percent

As provided in Table 5:

$$\text{Nighttime Adjustment Factor} = 1.78$$

As shown on the attached worksheets, the Adjusted Daily Number of Operations was determined to be 28.48.<sup>2</sup> Thus, when plotted on Work Chart 4, the DNL for railway cars at an effective distance of 165 feet and 320 feet is 53.5 dBA and 49 dBA, respectively. As defined by the US Department of Housing and Urban Development (see Section 3.6 of this DEIS), these are acceptable noise levels.

The noise environment in terms of DNL from the LIRR can be determined by combining (summing) the noise levels from the diesel locomotives and railway cars. The sum of *n* values of Sound (Pressure) Level (“SPL”) is found using the following equation:

$$SPL(n) = 10 \log_{10} \sum_{i=1}^n 10^{SPL_i/10}$$

At NAL<sub>1</sub>, the DNL resulting from the addition of locomotive and railway car noise, respectively 66 dBA and 53.5 dBA, is found to be 66.45 dBA. At NAL<sub>2</sub>, the DNL resulting from the addition of locomotive and railway car noise, respectively, 72 dBA and 49 dBA, is found to be 72 dBA. Since railway car noise is small compared to locomotive noise, the final value of DNL essentially reflects noise contributed by the locomotives.

A discussion of the potential noise impacts on the proposed development and the mitigation measures incorporated into the proposed plan is included in Section 4.6 of this DEIS.

---

<sup>2</sup> [Car Adjustment Factor] × [Speed Adjustment Factor] × [Nighttime Adjustment Factor] × [No. of Trains] = Adjusted Daily Number of Operations: 0.10 × 4.0 × 1.78 × 40 = 28.48

Jamaica Station  
Jamaica NY 11435-4380  
718 558-8228

Raymond P. Kenny  
Acting President

Susan M. McGowan  
Acting Vice President - Market Development  
& Public Affairs



## Long Island Rail Road

November 2, 2006

Ms. Kim A. Gennaro  
Senior Project Manager  
Freudenthal & Elkowitz  
368 Veterans Memorial Highway  
Suite 3  
Commack, NY 11725

Dear Ms. Gennaro:

I am in receipt of your recent letter requesting an update of the information that the MTA Long Island Rail Road provided to your firm in 2003 regarding the operation of our trains on the Pt Jefferson Branch between Northport and Greenlawn. I am happy to fulfill this request.

The attached information is current for 2006.

I hope that you will find this data helpful. If I can be of further assistance, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Susan M. McGowan".

Susan M. McGowan  
Acting Vice President  
Market Development & Public Affairs

Attachment

Ms. Kim A. Gennaro  
Page 2  
November 2, 2006

Below is the information you are requesting:

Actual number of trains:	44 trains – in a 24-hour period weekdays (220 total) 30 trains – in a 24-hour period weekends (60 total)
No. of trains between 10PM and 7AM:	75 trains, or 34% of the total (5-day week) 20 trains, or 33% of the total (weekend)
Avg. No. of Rail cars per train:	LIRR Pt. Jefferson Branch has 36 4-car trains, 4 eight-car trains and 2 7-car trains on weekdays and an average of 4 cars on weekends.
Number and type of locomotives:	There are two types of locomotives utilized by the LIRR's bilevel diesel fleet:  8 DM30 (dual mode) locomotives are used for trains destined for Penn Station, NY. The DM30 locomotive is designed to operate in diesel or electric powered third rail mode. Third rail electric mode is not available between the Northport and Greenlawn Stations. Electric mode begins west of the Huntington Station.  40 diesel-powered (DE) locomotives are used for trains destined for Hunterspoint Avenue, Long Island City and for all stations east of Huntington.
Average Speed:	The average speed through the Greenlawn area is 55 MPH.
Whistleblowing locations:	Near the Elwood Road grade crossing

List All Railways within 3000 feet of the site:

- 1 LIRR Port Jefferson Branch
- 2 Northport Spur (abandoned)
- 3 \_\_\_\_\_

Necessary Information:	NAL <sub>1</sub>	NAL <sub>2</sub>	
	Railway No. 1	Railway No. 2	Railway No. 3
1 Distance in feet from the NAL to the railway track:	<u>165</u>	<u>320</u>	_____
2 Number of trains in 24 hours:			
a. diesel	<u>40</u>	<u>40</u>	_____
b. electrified	<u>---</u>	<u>---</u>	_____
3 Fraction of operations occurring at night (10 p.m. - 7 a.m.):	<u>0.33</u>	<u>0.33</u>	_____
4 Number of diesel locomotives per train:	<u>2</u>	<u>2</u>	_____
5 Number of rail cars per train:			
a. diesel trains	<u>5</u>	<u>5</u>	_____
b. electrified trains	<u>-</u>	<u>-</u>	_____
6 Average train speed:	<u>55 mph</u>	<u>55 mph</u>	_____
7 Is track welded or bolted?	<u>Welded</u>	<u>Welded</u>	_____
8. Are whistles or horns required for grade crossings?	<u>Yes</u>	<u>Yes</u>	_____

Adjustments for Diesel Locomotives

	9 No. of Locomotives 2	10 Average Speed Table 9	11 Horns (enter 10)	12 Night- time Table 5	13 No of Trains (line 2a)	14 Adj. No. of Opns	15 DNL Workchart 3	16 Barrier Attn	17 Partial DNL
NAL <sub>1</sub> Railway No. 1	1	0.50	1	1.78	40	35.6	66.2		
NAL <sub>2</sub> Railway No. 2	1	0.50	10	1.78	40	35.6	72		
Railway No 3									

Adjustments for Railway Cars or Rapid Transit Trains

	18 Number of cars 50	19 Average Speed Table 10	20 Bolted Rails (enter 4)	21 Night- time Table 5	22 No of Trains (Line 2a or 2b)	23 Adj. No of Opns	24 DNL Work- chart 4	25 Barrier Attn	26 Partial DNL
NAL <sub>1</sub> Railway No. 1	0.10	4.0	1	1.78	40	28.48	53.5		
NAL <sub>2</sub> Railway No. 2	0.10	4.0	1	1.78	40	28.48	49		
Railway No 3									

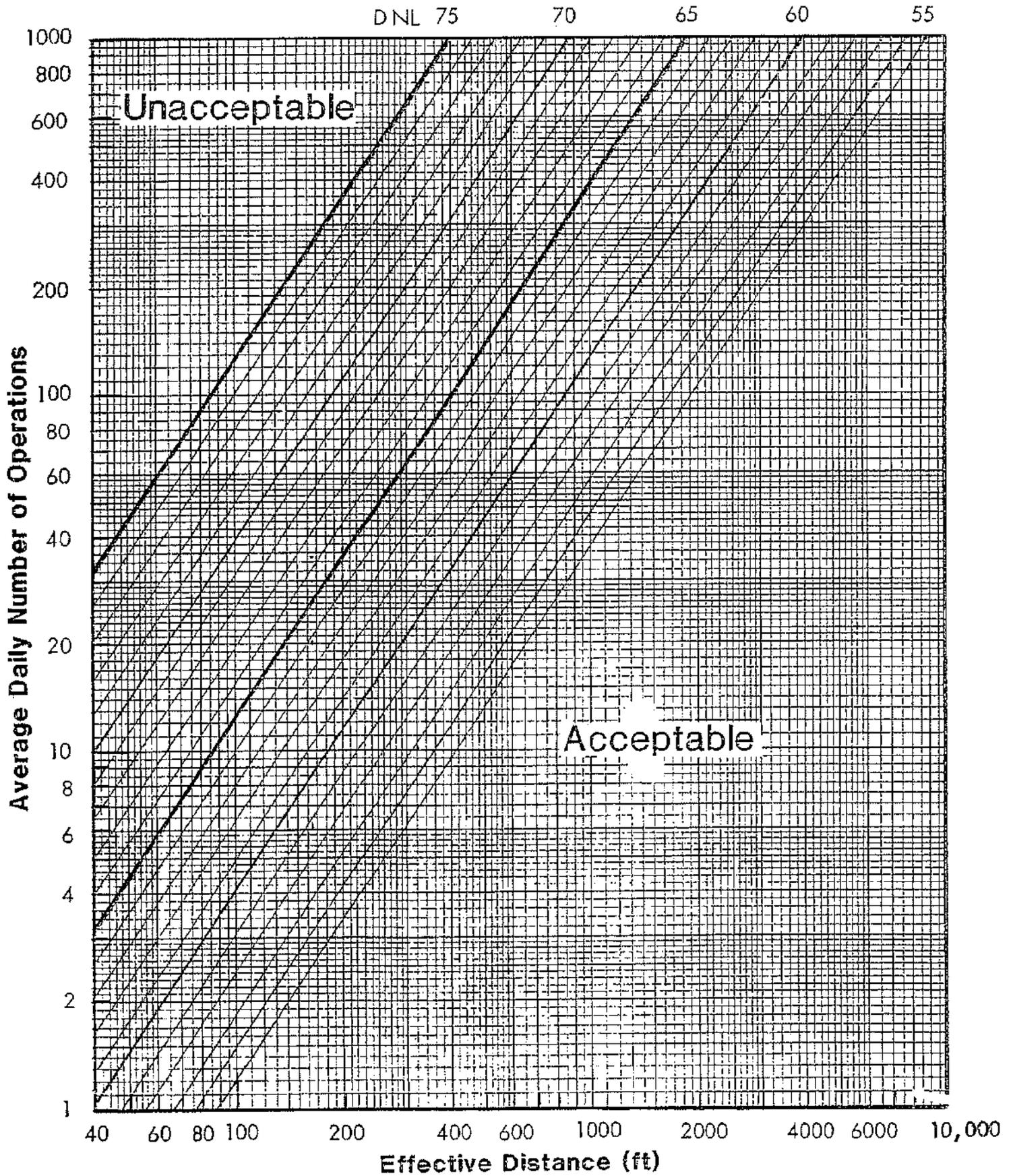
Combined Locomotive and Railway Car DNL

NAL <sub>1</sub> Railway No. 1	66.45	NAL <sub>2</sub> Railway No. 2	72	Railway No 3		Total DNL for all Railways	
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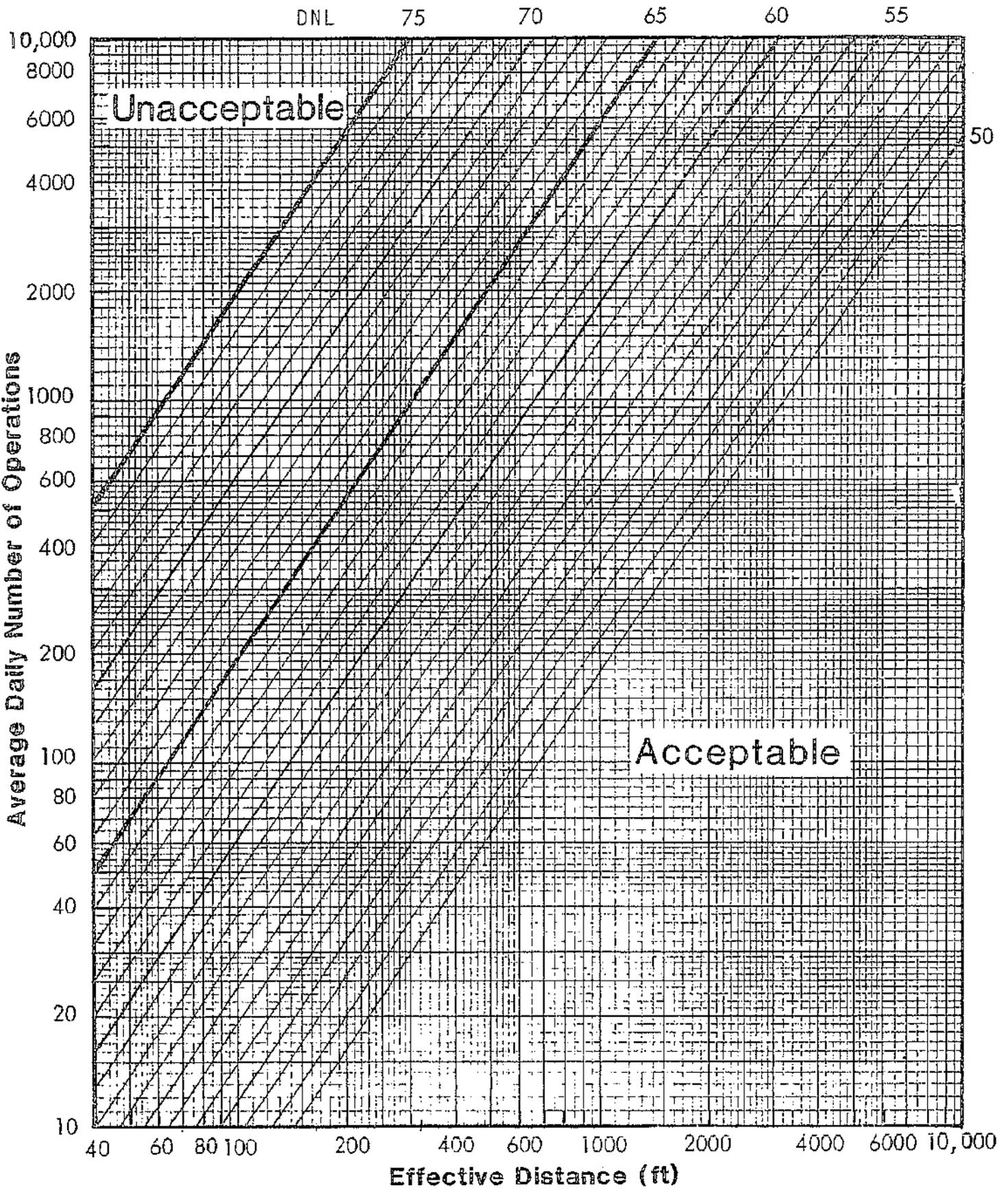
Signature \_\_\_\_\_

Date \_\_\_\_\_

Workchart 3  
Railroads - Diesel Locomotives



**Workchart 4**  
**Railroads - Cars and Rapid Transit**



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
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- Attach this card to the back of the mailpiece, or on the front if space permits.

1 Article Addressed to:

Long Island Railroad  
Track + Transportation  
Dept.  
Hillside Maintenance  
Complex  
9349 183<sup>rd</sup> Street, 4<sup>th</sup> Flr  
HOLLIS, NY 11423

2 Article Number

(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

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Agent

Addressee

B Received By (Printed Name)

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C Date of Delivery

9/18/04

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If YES, enter delivery address below:  No

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Return Receipt for Merchandise

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C.O.D.

4 Restricted Delivery? (Extra Fee)

Yes

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# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

368 Veterans Memorial Highway, Suite 3

Commack, New York 11725

Tel: (631) 499-2222

Fax: (631) 499-5928

fecg@fecg.us

September 15, 2006

**VIA CERTIFIED MAIL -- RETURN RECEIPT REQUESTED**

Long Island Railroad  
Track and Transportation Department  
Hillside Maintenance Complex  
9359 183<sup>rd</sup> Street, 4<sup>th</sup> Floor  
Hollis, New York 11423

Re: Request for Information  
Proposed Development of Matinecock Court  
Northwest Corner of Pulaski Road and Elwood Road  
Hamlet of Greenlawn, Town of Huntington  
Suffolk County, New York

Dear Sir/Madam:

This firm is serving as environmental consultant to Housing Help, Inc. for its proposed development of a 155-unit, affordable housing development at the northwest corner of Elwood Road and Pulaski Road in the hamlet of Greenlawn, Town of Huntington. The site is bordered by the LIRR – Port Jefferson line to the north.

In November 2003, this firm corresponded with your department (specifically with Mr. Joseph Southard, Assistant Chief Engineer) on the railway traffic characteristics of the Port Jefferson Branch, between the Greenlawn and Northport stations, and the railroad line that forks northward off the Port Jefferson Branch, proximate to Stony Hollow Road. Your department responded with information related to 2003 operations, and this information was used as part of a noise impact study for the proposed development.

Since this time, there have been requests to update the information provided by the LIRR. As such, we are hereby requesting the following data for 2005 annual operations (or 2006, if available):

1. Actual Number of Trains per day (weekday and weekend);
2. Number of Trains Operating Between 10:00 PM and 7:00 AM (weekday and weekend);
3. Average Number of Rail Cars Per Train (weekday and weekend);
4. Number and type of Locomotives Per Train;
5. Average Speed Per Train; and
6. Whistle and/or Horn-Blowing Locations.

For your convenience, the following information on 2003 operations was previously provided:

Actual Number of Trains	44 trains - in a 24-hour weekday (200 trains total) 28 trains - in a 24-hour weekend (56 total)
No of Trains between 10:00 pm and 7:00 am	75 trains, or 34 percent of the total (5-day week) 16 trains or 29 percent of the total (weekend)
Avg No. of Railcars per train	LIRR-Port Jefferson Branch has 6 cars during the weekday and 3 cars during the weekend
Number and Type of Locomotives	The locomotives are diesel-powered and the entire fleet utilizes C3 equipment, the bi-level railway car. Two types of locomotive configurations exist: <ol style="list-style-type: none"><li>1. Two DM30 locomotives for trains destined for Penn Station, New York. The DM30 locomotive is designed to operate in diesel- or electric-powered third-rail mode (Dual Mode). Third-rail (electric) mode is not available between the Northport station and Greenlawn station, as it begins only west of Huntington Station.</li><li>2. One diesel-powered DE locomotive for trains destined for Hunterspoint Avenue and all remaining destinations, with the exception of Penn Station, New York.</li></ol>
Average Speed	Maximum authorized speed through the East Northport area is 65 miles per hour. Average speed is 45 miles per hour in the vicinity of the project site due to the presence of two curves with pronounced curvature radius.
Whistleblowing locations	Near the Elwood Road grade crossing

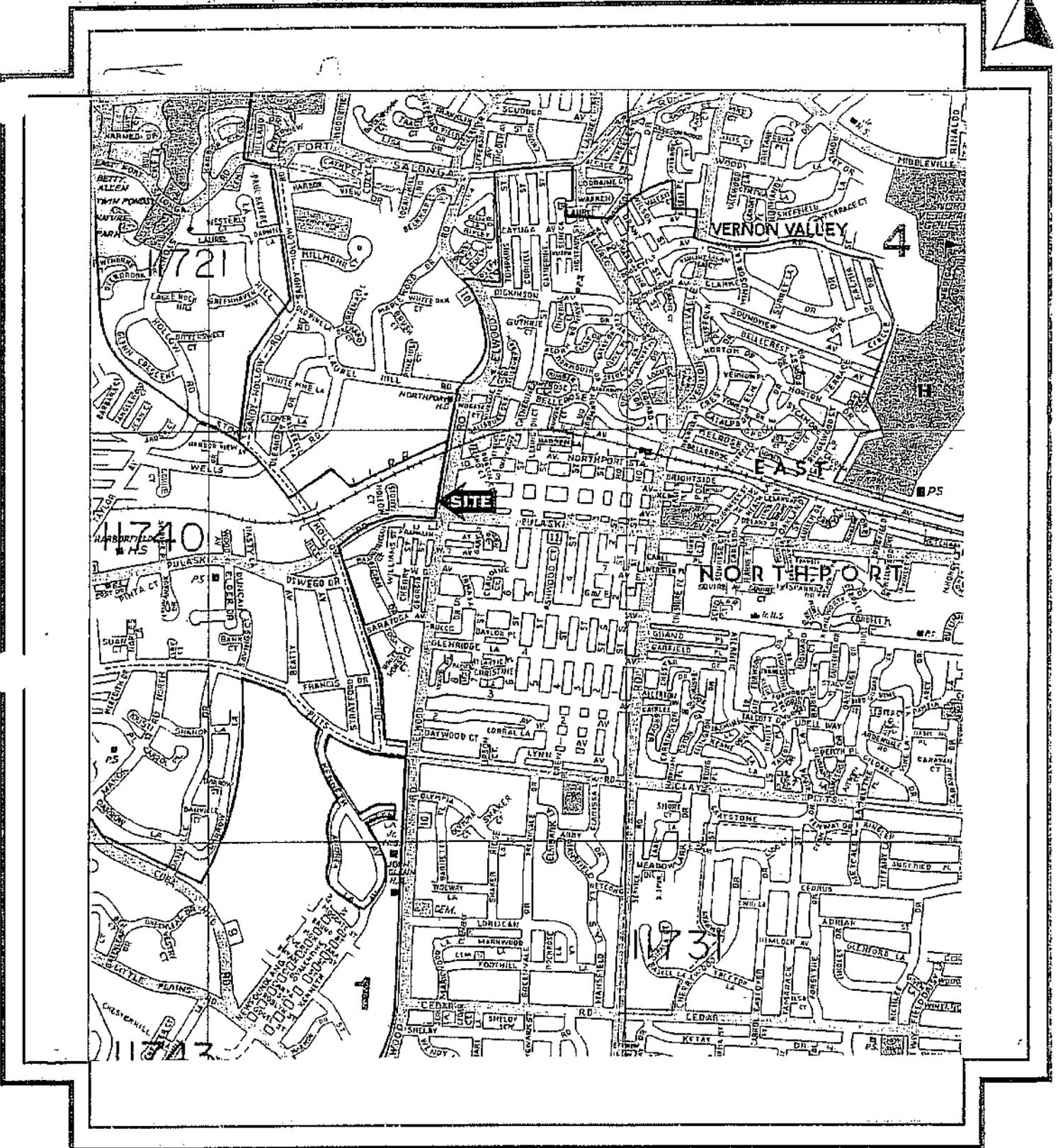
Thank you in advance for your assistance in this matter. Please feel free to contact the undersigned if you should have any questions or comments.

Sincerely,

FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC

  
Kim A. Gennaro, AICP  
Senior Project Manager  
KG/th  
enc.

Site Location Map



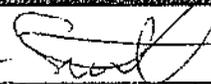
Source: Hagstrom Suffolk County Atlas, Area Map No. 7, 2000.  
Scale: 1 inch = 1/2 mile

7005 1820 0000 1956 2176

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

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<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <b>A. Smith</b> C. Date of Delivery <b>9/5</b></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No          If YES, enter delivery instructions below:</p>
<p>1. Article Addressed to:  <b>Long Island Railroad          Hillside Maintenance          Complex          9349 183rd Street,          4th Floor          Hollis, NY 11423</b></p>	<p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Registered Mail  <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number          (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>



# FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

Theresa Elkowitz, President

368 Veterans Memorial Highway, Suite 3

Commack, New York 11725

August 31, 2006

Tel: (631) 499-2222

Fax: (631) 499-5928

**VIA CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

fecg@fecg.us

Long Island Railroad  
Track and Transportation Department  
Hillside Maintenance Complex  
9359 183<sup>rd</sup> Street, 4<sup>th</sup> Floor  
Hollis, New York 11423

Re: Housing Help, Inc  
Proposed Development of Matinecock Court  
Northwest Corner of Pulaski Road and Elwood Road  
Hamlet of Greenlawn, Town of Huntington  
Suffolk County, New York

Dear Sir/Madam:

This firm is serving as environmental consultant to Housing Help, Inc. for its proposed development of a 155-unit, affordable housing development in the hamlet of Greenlawn. During the environmental review process, individuals of the community have alleged that the Long Island Rail Road ("LIRR") grade crossing located at Elwood Road in East Northport (see enclosed map) is "one of the ten busiest on Long Island." Traffic and pedestrian safety in the vicinity of the LIRR corridor is an important issue, and we would like to give this matter careful consideration. As such, we are respectfully requesting a listing of the ten busiest at-grade railroad crossings on Long Island, if such information is available.

In the past, Joseph Southard, Assistant Chief Engineer, of the Track and Transportation Department has supplied LIRR operational information to our firm. However, we are unaware as to whether he is currently employed by the LIRR. Thank you for your assistance in this matter. Please feel free to contact either of the undersigned if you should have any questions concerning this request.

Sincerely,

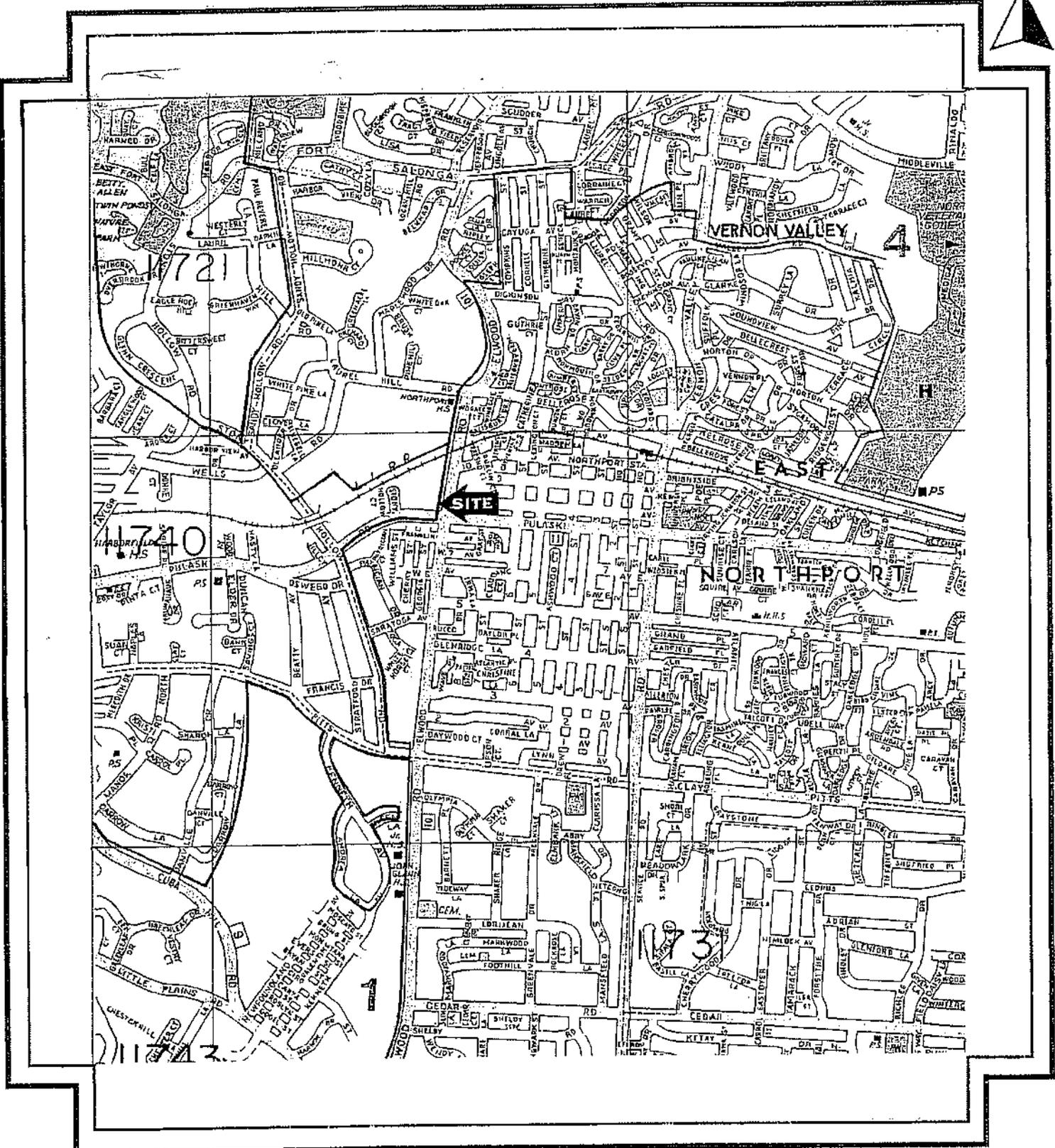
FREUDENTHAL & ELKOWITZ  
CONSULTING GROUP, INC.

  
Kim A. Gennaro, AICP  
Senior Project Manager

  
Erin Duffy  
Senior Environmental Planner

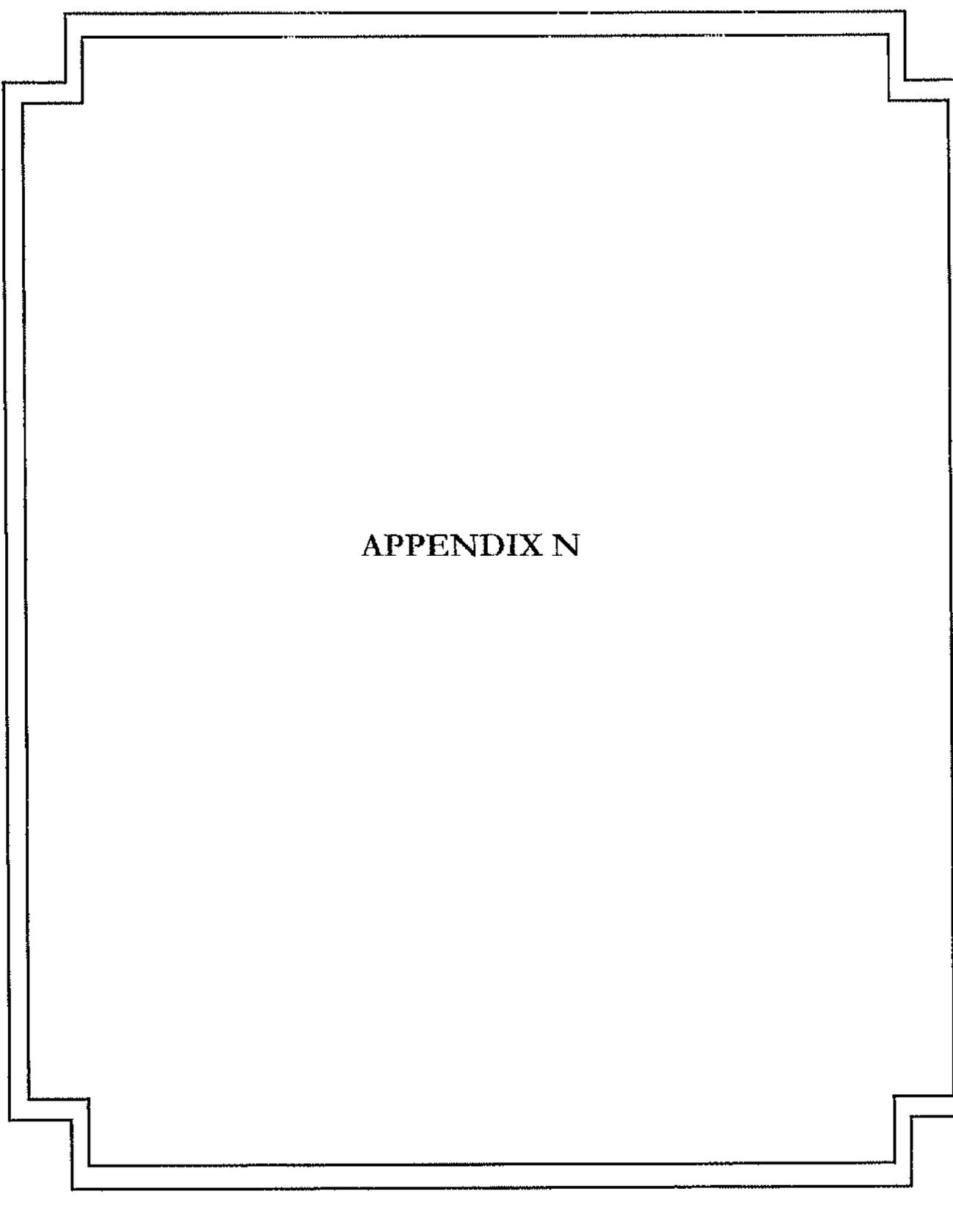
KG/ED/th  
enc.

Site Location Map



Source: Hagstrom Suffolk County Atlas, Area Map No. 7, 2000.  
Scale: 1 inch = 1/2 mile

FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.



**APPENDIX N**

**State Environmental Quality Review  
Notice of Completion of Draft  
and  
Notice of SEQR Hearing**

Lead Agency: Town of Huntington Planning Board  
Address: 100 Main Street, Huntington, New York 11743

Project Number \_\_\_\_\_  
Date: April 6, 2006

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act) of the Environmental Conservation Law.

A Draft Environmental Impact Statement has been completed and accepted for the proposed action described below. A State Environmental Quality Review (SEQR) Public Hearing on the DEIS is scheduled at Town Hall, 100 Main Street, Huntington, New York on the 10<sup>th</sup> day of May, 2006 at 7:30 P.M. Comments are requested and will be accepted by the contact person until May, 26, 2006, 4:30 pm at Huntington Town Hall, 100 Main Street, Huntington, New York 11743 - Room 212.

**Name of Action:** Housing Help, Inc. Proposed Development of Matinecock Court [Site Plan]

**Description of Action:** The proposed action involves construction of 155 multi-family housing units on a 14.574 acre parcel located within a R-3M Residence district containing no garages or driveways and including a superintendent's apartment. Playground areas, an on-site community building, sewage treatment plant (STP-within the northern portion of the site), recharge basin (within the northwestern portion of the site), and parking for 334 vehicles will also be provided. Public water is to be provided by the Suffolk County Water Authority.

The subject property is located within Town designated open space identified on the Town Open Space Index as OSI # NE-27. The proposal will result in the physical alteration of more than 2½ acres. Pursuant to SEQRA sections 617.4(b)(5)(ii) and 617.4(b)(10) [old SEQRA sections 617.12(b)(5)(ii) and 617.12(b)(10)], said action is Classified Type I. The Planning Board as Lead Agency issued a Positive Declaration determination of significance for said action via a July 12, 1995 resolution.

**Location:** (Include street address and the name of the municipality/county. A location map of appropriate scale is also recommended.)

The project site is located on the northwest corner of Pulaski Road (CR 11) and Elwood Road (CR 10) in East Northport, within the Town of Huntington, indicated as parcel 0400-114-04-007 on the Suffolk County Tax Map.

**Potential Environmental Impacts:**

Please refer to the Housing Help, Inc. Proposed Development of Matinecock Court Draft Environmental Impact Statement (DEIS) dated March 2005 and revised February 2006.

**A copy of the Draft / Final EIS may be obtained from:**

**Contact Person:** Margo S. Myles, Interim Director, or Charles J. Mangano, Environmental Planner, Department of Planning and Environment

**Address:** Huntington Town Hall, Town of Huntington Planning and Environment Department, 100 Main Street, Huntington, New York 11743

Telephone Number: (631) 351-3196 - FAX # (631) 351-3257

**A Copy of this Notice and the Draft EIS Sent to:**

The Applicant/Owner

Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1010

Chief Executive Officer, Town/City/Village of Huntington

Town of Huntington, Office of the Supervisor, Attention: Frank P. Petrone, Town Supervisor

Any person who has requested a copy of the Draft / Final EIS

- 1 David Scro, Chair, Matinecock Court Citizens Advisory Committee, 48 South Service Road, Suite 300, Melville, New York 11747
- 2 Long Island Housing Partnership, Inc., Hauppauge, Long Island, New York 11788, Attention: Jim Morgo

Any other involved / interested agencies

1. New York State Department of Environmental Conservation, Region I, SUNY, Building #40, Stony Brook, New York 11790-2356, Division of Environmental Permits, Attention: Susan Ackerman, Environmental Analyst I
2. Town of Huntington, Office of the Town Clerk, Attn: JoAnn Raia, Town Clerk
3. Town of Huntington, Town Attorney, Attention: John J. Leo
4. Town of Huntington, Planning Board \*
5. Town of Huntington, Planning and Environment Department (two additional copies)
6. Town of Huntington, Department of Engineering Services, Attention: Patricia A. Del Col, Director
7. Town of Huntington, Conservation Board, Attention: J. Squires, Chairperson
8. Town of Huntington Bureau of Fire Prevention, Attention: James M. Logan, Chief
9. Town of Huntington, Community Development Agency, Attention: Joe DeVincent, Director
10. Town of Huntington, Town Assessor, Attention: Bryan Monaghan
11. Suffolk County Planning Department, H. Lee Dennison Bldg., 100 Veterans Memorial Highway, Hauppauge, New York 11788, Attention: Thomas A. Isles, AICP, Director
12. Suffolk County Department of Health Services, Wastewater Management Division, County Center, Room S-238, Riverhead, New York 11901, Attention: Walter I. Hilbert, P.E., Chief
13. Suffolk County Department of Health Services, Office of Ecology, County Center, Riverhead, NY 11901, Attention: Ms. Kimberly Shaw, Bureau Supervisor

- 14 Suffolk County Department of Public Works, 335 Yaphank Avenue, Yaphank, New York 11980  
Attention: William Hillman, P.E., Chief Engineer or Bianca Dresch, P.E. Senior Civil Engineer
- 15 Suffolk County Water Authority, Administrative Services, 4060 Sunrise Highway, Oakdale,  
New York 11769-0901 Attn: Steven T. Burns, P.E. Director of Distribution
- 16 LIRR Public Affairs, Jamaica Station-1131, Jamaica, New York 11435, Attention: Peter  
Palamaro
- 17 Long Island Power Authority, 175 East Old Country Road, Hicksville, NY 11801, Attention:  
Director of Government Relations
- 18 Northport-East Northport School Board of Education c/o Arlene S. Munson, President, Central  
Office, 158 Laurel Avenue, Northport, New York 11768
- 19 Northport-East Northport School District c/o Dr. William J. Brosnan, Superintendent of Schools,  
and Christina McCulloch, District Clerk, Central Office, 158 Laurel Avenue, Northport, New York  
11768
- 20 Harborfields Public Library, 31 Broadway, Greenlawn, NY 11740, Attn: Reference Librarian
- 21 East Northport Public Library, 185 Larkfield Road, East Northport, NY 11731, Attn: Reference  
Librarian
- 22 Northport Public Library, 151 Laurel Avenue, Northport, NY 11768, Attn: Reference Librarian

\* = copy of DEIS already forwarded

Environmental Notice Bulletin, Room 538, 50 Wolf Hill Road, Albany, NY 12233-1750

[enb@gw.dec.state.ny.us](mailto:enb@gw.dec.state.ny.us)

A Copy of the DEIS is posted on the Town of Huntington website in the On-line Library  
(Planning and Environment Department section under Matinecock Court):

[http://town.huntington.ny.us/permit\\_forms.cfm](http://town.huntington.ny.us/permit_forms.cfm)

**Copies of the Draft EIS must be distributed according to 6NYCRR 617.12(b).**

The ENB SEQRA Notice Publication Form - Please check all that apply.

Date: April 6, 2006

Deadline: Notices must be received by 6 p.m. Wednesday to appear in the following Wednesday's ENB.

<input type="checkbox"/> Negative Declaration - Type I	<input checked="" type="checkbox"/> Draft EIS
<input type="checkbox"/> Conditioned Negative Declaration	<input checked="" type="checkbox"/> with Public Hearing
<input type="checkbox"/> Draft Negative Declaration	<input type="checkbox"/> Generic
<input type="checkbox"/> Positive Declaration	<input type="checkbox"/> Supplemental
<input type="checkbox"/> with Public Scoping Session	<input type="checkbox"/> Final EIS
	<input type="checkbox"/> Generic
	<input type="checkbox"/> Supplemental

DEC Region # 1 County: Suffolk Lead Agency: Town of Huntington Planning Board

Project Title: Housing Help, Inc. Proposed Development of Matinecock Court [Site Plan]

Brief Project Description: The proposed action involves construction of 155 multi-family housing units on a 14.574 acre parcel located within a R-3M Residence district containing no garages or driveways and including a superintendent's apartment. Playground areas, an on-site community building, sewage treatment plant (STP- within the northern portion of the site), recharge basin (within the northwestern portion of the site), and parking for 334 vehicles will also be provided. Public water is to be provided by the Suffolk County Water Authority.

The subject property is located within Town designated open space identified on the Town Open Space Index as OSI # NE-27. The proposal will result in the physical alteration of more than 2½ acres. Pursuant to SEQRA sections 617.4(b)(5)(ii) and 617.4(b)(10) [old SEQRA sections 617.12(b)(5)(ii) and 617.12(b)(10)], said action is Classified Type I. The Planning Board as Lead Agency issued a Positive Declaration determination of significance for said action via a July 12, 1995 resolution.

Project Location (include street address/municipality): The project site is located on the northwest corner of Pulaski Road (CR 11) and Elwood Road (CR 10) in East Northport, within the Town of Huntington, indicated as parcel 0400-114-04-007 on the Suffolk County Tax Map.

Contact Person: Margo S. Myles, Interim Director, or Charles J. Mangano, Environmental Planner, Department of Planning and Environment

Address: Huntington Town Hall, Town of Huntington Planning and Environment Department, 100 Main Street, Huntington, New York 11743

A Copy of the DEIS is posted on the Town of Huntington website in the On-line Library (Planning and Environment Department section under Matinecock Court):

[http://town.huntington.ny.us/permit\\_forms.cfm](http://town.huntington.ny.us/permit_forms.cfm)

Phone: (631) 351-3196

Fax: (631) 351-3257

E-Mail: [PLANNING@town.huntington.ny.us](mailto:PLANNING@town.huntington.ny.us)

For ~~Draft Negative Declaration~~/Draft EIS: Public Comment Period ends: 05/26/06

For Public Hearing/~~Scoping Session~~: Date: 05/10/06 Time: 7:30 pm

Location: Huntington Town Hall, 100 Main Street, Huntington, New York

For Conditioned Negative Declaration: In summary, conditions include:

The Date of  
F.O. No. 81  
Huntington, New York 11743  
631-821-8124

**Affidavit of Publication**

To: Town of Huntington,  
Planning Dept  
100 Main Street  
Huntington, NY 11743

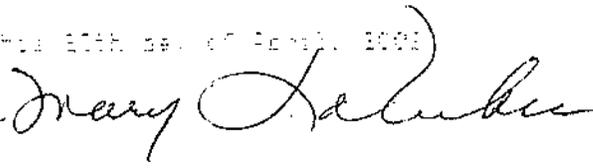
Re: Legal Notice #44372

State of NEW YORK  
County of SUFFOLK

I, JAMES A. PETERIS, being duly sworn, depose and say that I am the CLERK of the Office of General Services of general jurisdiction published in TOWN OF HUNTINGTON, State of NEW YORK, County of NEW YORK; and that a notice of which has annexed is a true and correct copy as published in the issue of the 10th day of May, 2006.



Subscribed and sworn to this 10th day of April, 2006



MARY L. MENECHIA  
Notary Public, Suffolk County  
No. A69612, June 30, 2007  
Tenn Express June 30, 2007

**NOTICE OF PUBLIC HEARING**  
#06-2724

By resolution of April 5, 2006, the Huntington Planning Board, as lead agency:

determined that the Draft Environmental Impact Statement (DEIS) (dated March 2005, revised February 2006, and received on February 22, 2006) for a Site Plan application known as **MATINECOCK COURT** is acceptable for commencing public review:

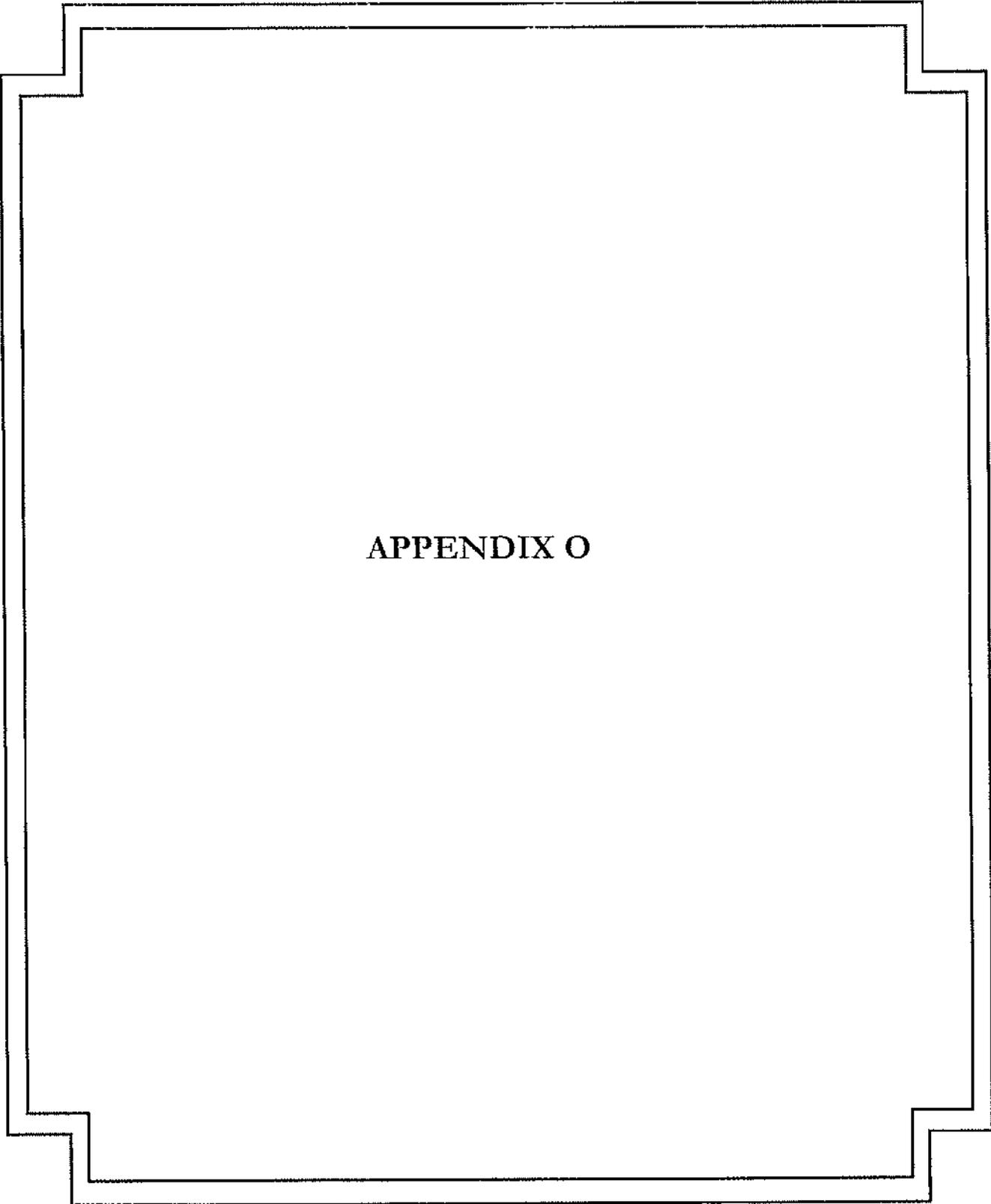
- scheduled a State Environmental Quality Review (SEQR) Public Hearing at Town Hall, 100 Main Street, Huntington, New York on the 10th day of May, 2006 at 7:30 P.M.; and
- established a comment period of the DEIS to be held open until the end of business day Friday, May 26th, 2006, for the purpose of providing comments on the DEIS.

The Planning Board had previously issued a Positive Declaration and held a Public Scoping Hearing on the project pursuant to SEQRA. The project is located on the northwest corner of Pulaski Road (CR 11) and Elwood Road (CR 10) in East Northport (indicated as parcel 0400-114-04-007 on the Suffolk County Tax Map).

The proposed action involves construction of 155 multi-family housing units on a 14.574 acre parcel located within a R-3M Residence district containing no garages or driveways and including a superintendent's apartment. Play-ground areas, an on-site community building, sewage treatment plant (STP-within the northern portion of the site), recharge basin (within the northwestern portion of the site), and parking for 334 vehicles will also be provided.

The DEIS can be reviewed at the Town of Huntington Planning and Environment Department during normal business hours (8:30 - 4:40) at Room 212 or on the Town of Huntington website in the Online Library 'Planning and Environment Department' section under 'Matinecock Court' at <http://town.huntington.ny.us/permilforms.cfm>. Copies will also be available at the East Northport, Northport and Harborfields libraries. Comments on the DEIS can be presented verbally or in writing at the public hearing. Written comments can also be mailed to the Town of Huntington, Planning and Environment Department at 100 Main Street, Huntington, New York 11743, or submitted via electronic e-mail to the Town of Huntington, Planning and Environment Department, at [PLANNING@town.huntington.ny.us](mailto:PLANNING@town.huntington.ny.us)

Huntington Town Planning Board  
Paul Mandelik, Chair  
44379 4-3



**APPENDIX O**



# TOWN OF HUNTINGTON

FRANK P. PETRONE, Supervisor

**BRYAN J. MONAGHAN, IAO**  
TOWN ASSESSOR

September 22, 2006

Susan R. Lagville, Executive Director  
Housing Help Inc.  
91-101 Broadway, Suite 6  
Greenlawn, NY 11740

Att: Susan R. Lagville, Executive Director

Re: Condominiums @ Matinecock Court  
Tax Map #0400-114-4-7

Dear Ms. Lagville:

As per your letter of request of August 24, 2006 regarding the above, please note the following estimated real property information:

Approximate Assessed Valuations

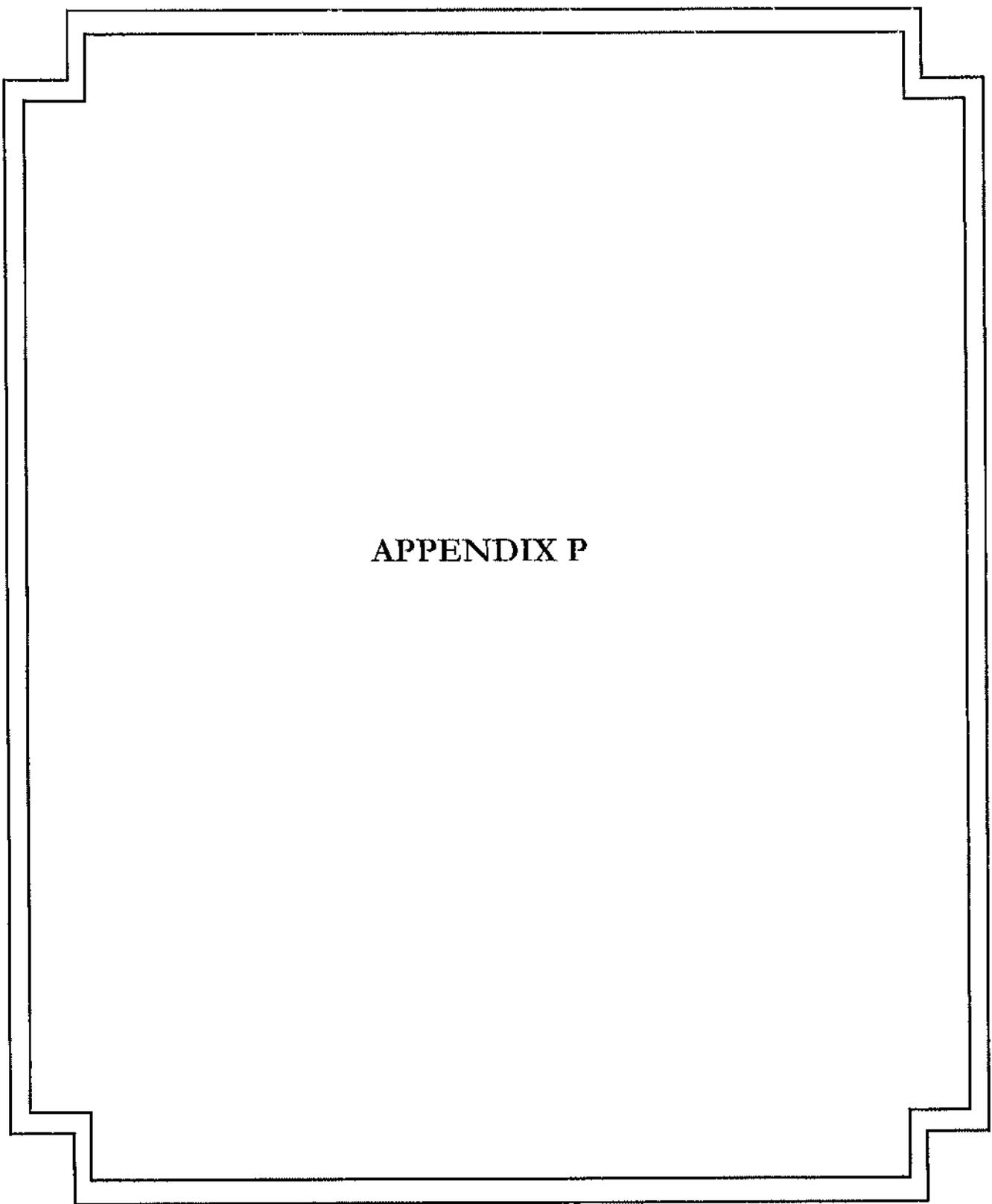
1 bedroom condo	:	900
2 bedroom condo	:	1,150
3 bedroom condo	:	1,400
4 bedroom condo	:	1,500
Current (2005/06) tax rate	:	<u>206.095</u>
(per \$100 of assessed valuation, <u>plus</u> refuse collection \$374.96, <u>less</u> Basic STAR school tax exemption of \$711 on the owner occupied units )		

The assessed valuations quoted are approximate and estimated based on the information supplied. The tax rate changes every year and becomes available each December.

Sincerely,

Bryan J. Monaghan  
Town Assessor

BJM:tg



**APPENDIX P**


[Ship](#)
[Track/History](#)
[Address Book](#)
[Preferences](#)
[Fast Ship](#)
[Reports](#)
[My Profile](#)
[<< Log out](#)
[Home](#)

## Your Shipment Details:

<b>Ship to:</b>	Reference Librarian Northport Public Library 151 Laurel Avenue Northport, NY 11768 US 631-261-6930	<b>Package Type:</b>	Your Packaging
<b>From:</b>	Theresa Elkowitz FREUDENTHAL & ELKOWITZ 368 VETERANS MEMORIAL HIGHWAY COMMACK, NY 11725 US 6314992222	<b>Pickup/Drop Off:</b>	give to scheduled courier at my local
<b>Tracking no:</b>	792711646531	<b>Weight:</b>	1 LBS
<b>Your reference:</b>	HOU-02-293	<b>Dimensions:</b>	0 x 0 x 0 in
<b>Ship date:</b>	Apr 14 2006	<b>Declared Value:</b>	0 USD
<b>Service Type:</b>	Priority Overnight	<b>Shipper Account Number:</b>	121647737
		<b>Bill transportation to:</b>	121647737
		<b>Courtesy Rate Quote</b>	*17.14
		<b>Special Services:</b>	
		<b>Purpose:</b>	
		<b>Shipment Type:</b>	Express

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\*The courtesy rate shown here may be different than the actual charges for your shipment. Differences may occur based on actual weight, dimensions, and other factors. Consult the applicable [FedEx Service Guide](#) or the FedEx Rate Sheets for details on how shipping charges are calculated.

FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdirection, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the contents, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to a maximum of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value (e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide). Written claims must be filed within strict time limits. Consult the applicable FedEx Service Guide for details.



FedEx Express  
Customer Support Trace  
3875 Airways Boulevard  
Module H, 4th Floor  
Memphis, TN 38116

U S Mail: PO Box 727  
Memphis, TN 38194-4643  
Telephone: 901-369-3600

04/17/2006

Dear Customer:

The following is the proof of delivery you requested with the tracking number **792711646531**

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**Delivery Information:**

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<b>Status:</b>	Delivered	<b>Delivery location:</b>	151 LAUREL A
<b>Signed for by:</b>	C.SENATORE	<b>Delivery date:</b>	Apr 17, 2006 09:37
<b>Service type:</b>	Priority Overnight		

NO SIGNATURE IS AVAILABLE

FedEx Express Proof of delivery details appear below, however no signature is currently available for this FedEx Express shipment. Availability of signature images may take up to 5 days after delivery date

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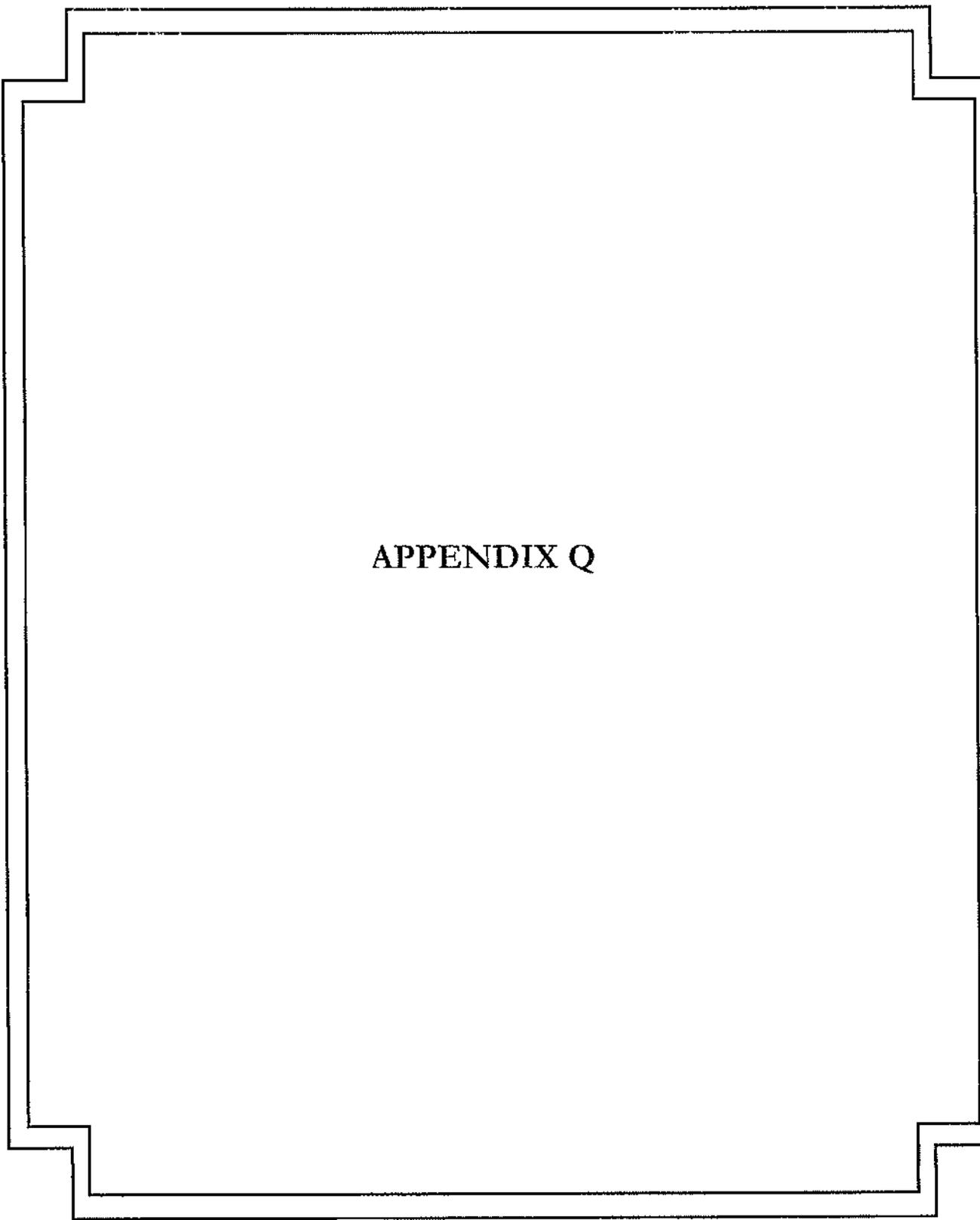
**Shipping Information:**

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<b>Tracking number:</b>	792711646531	<b>Ship date:</b>	Apr 14, 2006
		<b>Weight:</b>	1 0 lbs.
<b>Recipient:</b>		<b>Shipper:</b>	
Reference Librarian		Theresa Elkowitz	
Northport Public Library		FREUDENTHAL & ELKOWITZ	
151 Laurel Avenue		368 VETERANS MEMORIAL HIGHWAY	
Northport, NY 11768 US		COMMACK, NY 11725 US	
<b>Reference</b>		HOU-02-293	

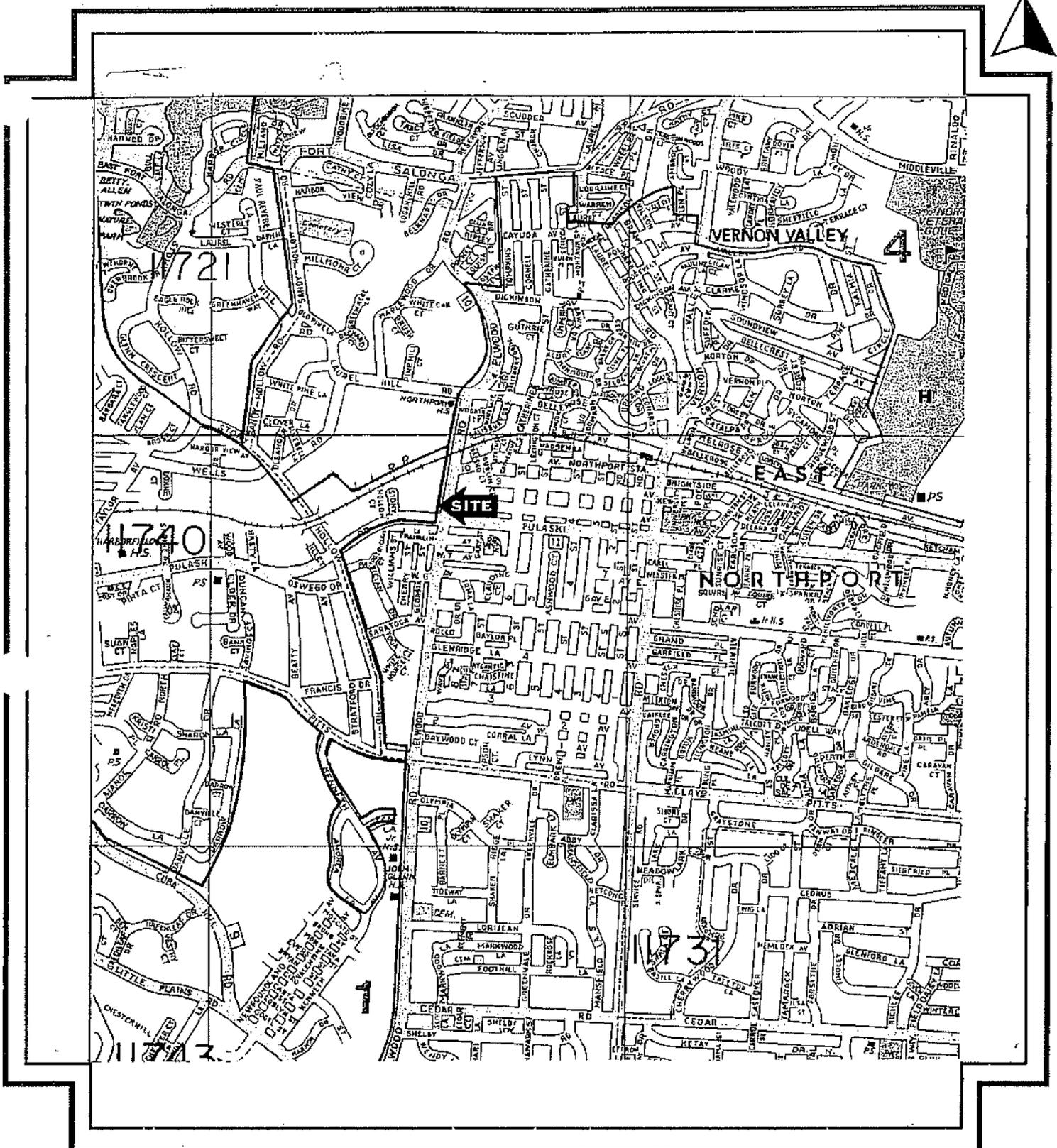
Thank you for choosing FedEx Express

FedEx Worldwide Customer Service  
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APPENDIX Q

Site Location Map

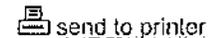


Source: Hagstrom Suffolk County Atlas, Area Map No. 7, 2000.

Scale: 1 inch = 1/2 mile

FREUDENTHAL & ELKOWITZ CONSULTING GROUP, INC.

**APPENDIX R**




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**School District Demographics System**


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A set of basic characteristics for the School District you selected is provided below

NORTHPORT-EAST NORTHPORT UNION FREE SCHOOL DISTRICT, SUFFOLK COUNTY, New York [3621270]

Subject	Number	Percent
Total Population	36,602	N/A
<b>SEX AND AGE</b>		
Male	18,049	49.3
Under 5 Years	1,393	3.8
5 to 9 years	1,321	3.6
10 to 14 years	1,311	3.6
15 to 17 years	675	1.8
18 to 19 years	261	0.8
Female	18,553	50.7
Under 5 Years	1,280	3.5
5 to 9 years	1,379	3.8
10 to 14 years	1,200	3.3
15 to 17 years	614	1.7
18 to 19 years	253	0.7
<b>RELATIONSHIP BY HOUSEHOLD TYPE (INCLUDING LIVING ALONE)</b>		
Total Population in Households	35,829	100
In Family Households	32,175	N/A
Householder	9,953	100
Male	7,545	75.8
Female	2,408	24.2
<b>TENURE</b>		
Total Occupied Housing Units	12,787	100
Owner Occupied Housing Units	10,790	84.4
Renter Occupied Housing Units	1,997	15.6
<b>AVERAGE HOUSEHOLD SIZE</b>		
Average Household Size	2.80	N/A
<b>AVERAGE FAMILY SIZE</b>		
Average Family Size	3.18	N/A
<b>SEX BY EDUCATIONAL ATTAINMENT FOR THE POPULATION 25 YEARS AND OVER</b>		
Total	25,705	N/A
Male	12,325	47.9
12th grade, no diploma	230	1.9
High school graduate (includes equivalency)	2,475	20.1
Some college, 1 or more years, no degree	1,810	14.7
Bachelor's degree	3,215	26.1
Master's degree	1,680	13.6
Professional school degree	650	5.3
Doctorate degree	240	1.9
Female	13,380	52.1
12th grade, no diploma	375	2.8
High school graduate (includes equivalency)	3,250	24.3
Some college, 1 or more years, no degree	1,745	13.0
Bachelor's degree	2,950	22.0
Master's degree	2,065	15.4
Professional school degree	395	3.0
Doctorate degree	130	1.0
<b>MEDIAN GROSS RENT (DOLLARS)</b>		
Median gross rent	1,008	N/A
<b>MEDIAN VALUE (DOLLARS) FOR ALL OWNER-OCCUPIED HOUSING UNITS</b>		
Median value	265,200	N/A
<b>PER CAPITA INCOME IN 1999 (DOLLARS)</b>		

Per capita income in 1999	34,546	N/A
<b>MEDIAN HOUSEHOLD INCOME IN 1999 (DOLLARS) BY TENURE</b>		
Total	80,344	N/A
Owner occupied	86,904	N/A
Renter occupied	51,026	N/A
<b>POVERTY STATUS IN 1999 OF FAMILIES</b>		
Total	10,075	N/A
Income in 1999 below poverty level	255	2.5
Income in 1999 at or above poverty level	9,820	97.5
<b>POVERTY STATUS IN 1999 OF HOUSEHOLDS</b>		
Total	12,845	N/A
Income in 1999 below poverty level	445	3.5
Income in 1999 at or above poverty level	12,400	96.5
<b><i>Common Core of Data, Local Education Agency Universe Survey, 1999-2000 (NCES)</i></b>		
Total Students	5,723	
Total FTE Teachers	487.3	
Total Schools	9	

**Source:**

National Center for Education Statistics, US Department of Education  
 Bureau of the Census, US Department of Commerce

[Close Window]

**The New York State School Report Card  
Fiscal Accountability Supplement  
for**

**Northport-East Northport Union Free School District**

New York State Education Law and the Commissioner's Regulations require the attachment of the NYS School Report Card to the public school district budget proposal. The regulations require that certain expenditure ratios for general education and special education students be reported and compared with ratios for similar districts and all public schools. The required ratios for this district are reported below.

2003-2004 School Year		General Education	Special Education
This School District	Instructional Expenditures	\$65,244,895	\$15,735,525
	Pupils	6,309	819
	<b>Expenditures Per Pupil</b>	<b>\$10,342</b>	<b>\$19,213</b>
Similar District Group	Instructional Expenditures	\$3,707,014,699	\$1,134,922,059
	Pupils	398,676	50,691
	<b>Expenditures Per Pupil</b>	<b>\$9,298</b>	<b>\$22,389</b>
All Public Schools in NY State	Instructional Expenditures	\$23,071,001,473	\$7,088,163,962
	Pupils	2,821,352	401,211
	<b>Expenditures Per Pupil</b>	<b>\$8,177</b>	<b>\$17,667</b>
<b>Similar District Group Description: Low Need/Resource Capacity</b>			

Instructional Expenditures for General Education are K-12 expenditures for classroom instruction (excluding Special Education) plus a proration of building level administrative and instructional support expenditures. These expenditures include amounts for instruction of pupils with disabilities in a general education setting.

The pupil count for General Education is K-12 average daily membership plus K-12 pupils for whom the district pays tuition to another school district. This number represents all pupils, including both those classified as having disabilities and those not so classified. For districts in which a county jail is located, this number includes incarcerated youth to whom the district must provide an education program.

Instructional Expenditures for Special Education are K-12 expenditures for students with disabilities (including summer special education expenditures) plus a proration of building-level administrative and instructional support expenditures.

The pupil count for Special Education is a count of K-12 students with disabilities as of December 1, 2003 plus students for whom the district receives tuition from another district.

Expenditures Per Pupil is the simple arithmetic ratio of Instructional Expenditures to Pupils. The total cost of instruction for pupils with disabilities may include both general and special education expenditures. Special education services provided in the general education classroom may benefit students not classified as having disabilities.

District expenditures such as transportation, debt service, and district-wide administration are not included in these values. The numbers used to compute the statistics on this page were collected on the State Aid Form A, the State Aid Form F, and the School District Annual Financial Report (ST-3).

Similar District Groups are identified according to the Need-to-Resource-Capacity Index defined and used in the Annual Report to the Governor and Legislature on the Educational Status of the State's Schools.

**The New York State School Report Card**  
**Information about Students with Disabilities**  
 for  
**Northport-East Northport Union Free School District**

New York State Education Law and the Commissioner's Regulations require the attachment of the NYS School Report Card to the public school district budget proposal. These regulations require that the percentage of students with disabilities receiving services outside of general classroom settings and the classification rate of students with disabilities for the district be reported and compared with percentages for similar districts and all public schools. The required percentages for this district are reported below.

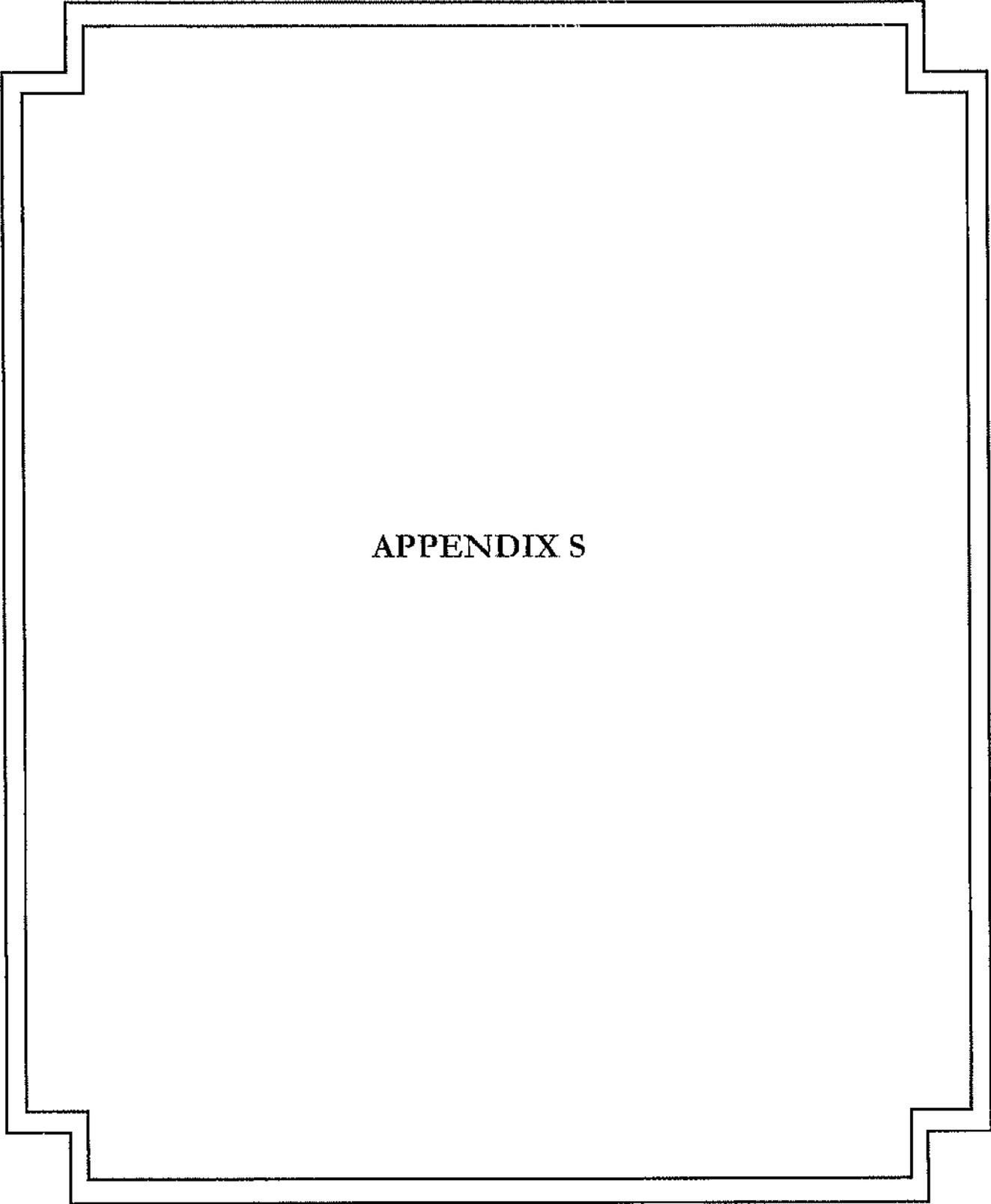
Student Counts as of December 1, 2004	This District		Total of All Public School Districts
	Count of Students with Disabilities	Percentage of Students with Disabilities	Percentage of Students with Disabilities
20% or less	536	69.3%	54.1%
21% to 60%	127	16.4%	12.1%
More than 60%	78	10.1%	27.4%
Separate Settings	32	4.1%	6.4%

The source data for the statistics in this table were reported on the Required Report of the Number of Students with Disabilities Provided Special Education in Regular School-based Programs and in Separate Settings (PD-1/4). The counts are numbers of students reported in the several placements for school-age programs (ages 6-21) on December 1, 2004. The PD-1/4 reports the proportions of time students are outside general education classrooms, regardless of the amount and cost of special education services they receive. Rounding of percentage values may cause them to sum to a number slightly different from 100%.

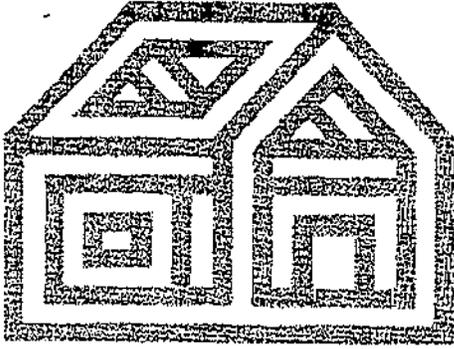
### School-age Students with Disabilities Classification Rate

2004-05	This District *	Total of All Public School Districts *
<b>Resident Classification Rate</b>	<b>12.0%</b>	<b>12.2%</b>

This rate is the ratio of the count of school-age (4-21) residents in the district who are classified as having disabilities, divided by a computed measure of the total district-resident school-age population (including public school students, nonpublic school students, and students receiving home instruction). Source data are drawn from the School District Report of the Number of Students with Disabilities (PD-1/4) and the Basic Education Data System (BEDS).



**APPENDIX S**



# HOUSING HELP INC.

Susan R. Lagville  
Executive Director

91-101 Broadway, Suite 6 • Greenlawn, NY 11740 • (631) 754-0373 • Fax: 754-0821

February 7, 2006

David Scro  
48 South Service Rd. Suite 100,  
Melville, NY 11747

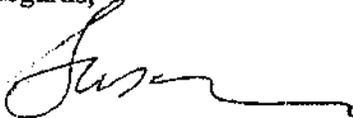
David:

As requested, attached please find the construction costs and the total development budget.

Please note that I do not have more specific construction costs, which would be irrelevant at this point anyway. The numbers were last done in 2002, and were to hold for a year or two only.

Let me know if you need anything else.

Regards,



Susan



United Way  
of Long Island



	A	B	C	D	E	F	G	H	I	J	K
	NYS HTF GRANT	NYS HTF LOAN	NYS CHDO	NYS AHC	HUD EDI STP FUND	ADDITIONAL FUNDS HHI	CDBG	ADDITIONAL FUNDS	LHP HIF LOAN	PRIVATE FINANCING	Total (A-D Totals)
<b>EXHIBIT 3 - DEVELOPMENT BUDGET</b>											
C. Construction											
23. Site work including STP, & site infrastructure					\$ 854,340					\$ 3,013,680	\$ 3,868,020
24. Off site work										\$ 220,000	\$ 220,000
25. Demolition											
26. Address removal										\$ 152,000	\$ 152,000
27. Other site fees, admin, reserve										\$ 3,385,680	\$ 4,240,000
28. Subtotal Site prep (line 23-27)	\$ -	\$ -	\$ -	\$ -	\$ 854,340	\$ -	\$ -	\$ -	\$ -	\$ 5,841,947	\$ 11,311,947
29. Residential	\$ 1,545,000	\$ 2,000,000		\$ 1,926,000						\$ 488,000	\$ 488,000
30. Commercial											
31. Other fees											
32. Performance Bond Premium (1-2% of line 36)										\$ 184,027	\$ 184,027
33. General requirements										\$ 1,161,854	\$ 1,161,854
34. Subtotal- Contractors costs (sum of 28-34)	\$ 1,545,000	\$ 2,000,000	\$ -	\$ 1,926,000	\$ 854,340	\$ -	\$ -	\$ -	\$ -	\$ 340,790	\$ 17,374,528
35. Builders overhead (2-4% of line 38)										\$ 610,947	\$ 1,022,370
36. Builders/Profit (max 10% of line 35)										\$ 11,802,925	\$ 18,736,988
37. Total- Construction Costs (sum line 36-37)	\$ 1,545,000	\$ 2,000,000	\$ -	\$ 1,926,000	\$ 854,340	\$ -	\$ -	\$ 511,423	\$ -	\$ 1,459,687	\$ 1,459,687
38. Developer's Fee (15% of lines 3,21 & 36)						\$ 1,800,000					\$ 1,800,000
39. Total- Development costs (lines 3,21,36,39,40)	\$ 2,000,000	\$ 2,000,000	\$ 46,000	\$ 1,926,000	\$ 854,340	\$ 3,071,995	\$ 300,000	\$ 611,423	\$ 300,000	\$ 18,687,488	\$ 27,574,928
D. Working Capital (HOME Inv. op def res)											
42. Initial Operating Deficit										\$ 30,000	\$ 30,000
43. Supplemental Initial Fee & marketing											
44. Purchase of Maintenance & Other Equipment											
45. Other (specify)											
46. Total working capital (lines 42 through 45)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
E. Project Reserves											
47. Capitalization of Operating Reserves (only LHHC or HTF Private Developers, for HTF minimum of 1%)										\$ 170,000	\$ 170,000
48. Replacement Reserve										\$ 242,000	\$ 242,000

1 TOTAL DEV BUDGET REV 1-30-06 FOR MIKE FERGESSENTOTAL RENT & H-O DEV BUDGET

2/7/2006

-----Original Message-----

From: Susan Lagville [mailto:Susan.Lagville@verizon.net]  
Sent: Monday, February 06, 2006 11:21 AM  
To: BILL CROWLEY (E-mail); Charles Kerner (E-mail); CLIFF AUSTEN (E-mail);  
DAVID SCRO (E-mail); DON BORNKAMP (E-mail); 'GINNY VOLPE (E-mail)'; JAN ALLEN (E-mail); 'STAN DEVEAUX (E-mail)'  
Subject: clarifications to Charlie's notes

Thank you Charlie, for summarizing the meeting I attended. I do need to correct a few items though.

I found out that Charlie Mangano is not acting director of the planning dept, Margo Miles is.

Joe DeVincent is still at CDA, but may leave of his own volition.

After the town board accepts the DEIS as 'complete', it will kick off the 30 day public comment period. a public hearing must be held at least ten days before the end of the comment period.

All public funds were committed by 2002. the Citibank pre-development loan was closed in December 2004. we have been drawing down on three loans: TOH CDBG \$250,000, LIHP \$300,000, and Citibank \$1,400,000. We have drawn a total of about \$575,000 to date.

We do not have to meet Davis Bacon wages because we do not have federal funds in the mix.

8 rental units will be for households earning 30% of median. we expect these to be seniors and people living on disability benefits. the balance of the rentals are for incomes up to 60% of median, or \$53,340 for a family of four. the owner units have incomes up to 80% of median (max HUD income) or \$71,120 for a family of four.

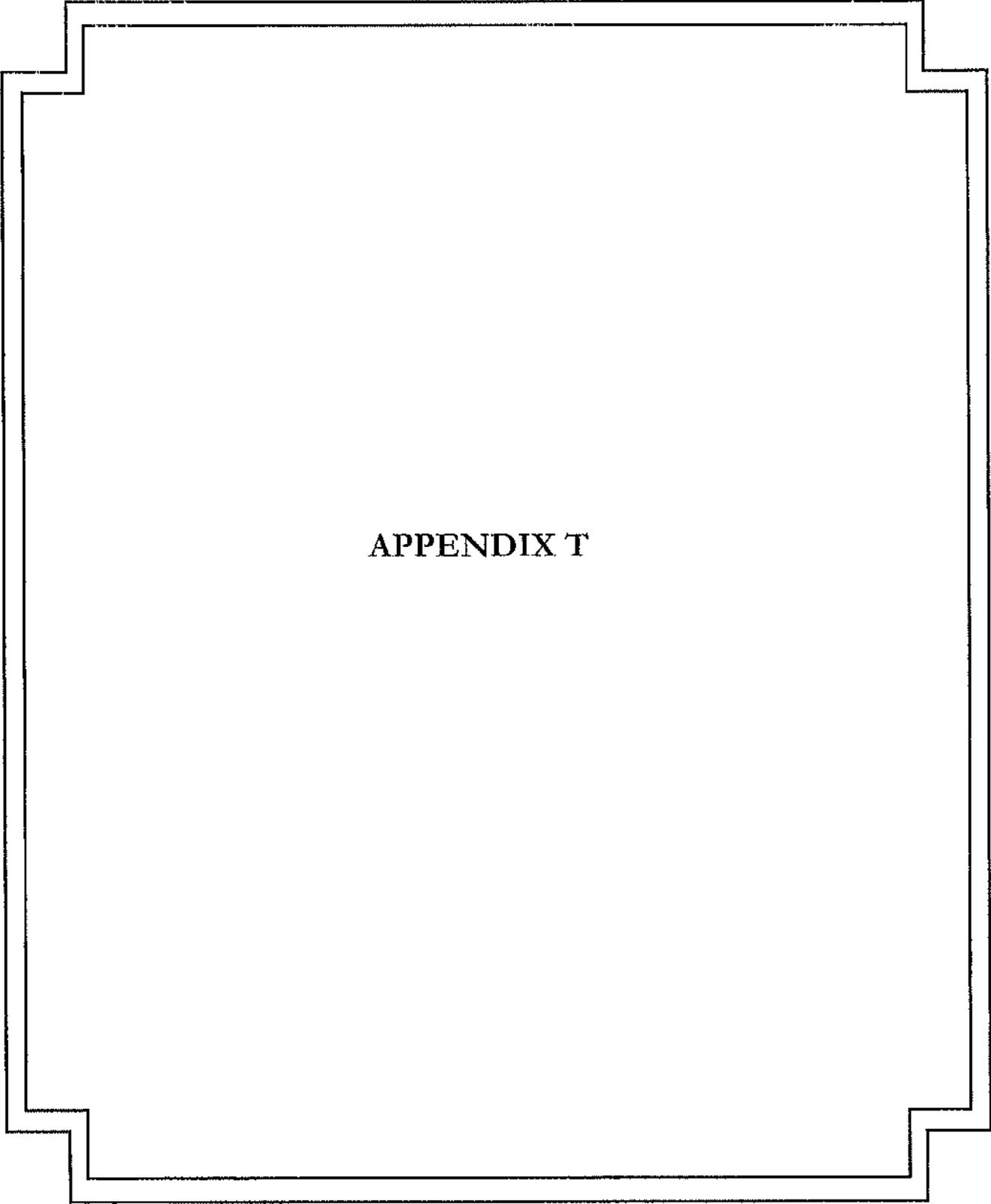
the distribution breakdown is 20 one bedroom units, 90 two bedroom units, 37 three bedroom units, and 8 four bedroom units.

all applicants have been offered credit counseling & first time home buyer counseling. many have taken advantage. once selected in the lottery they MUST have this counseling. also a complete orientation for living at MC which the whole family MUST attend.

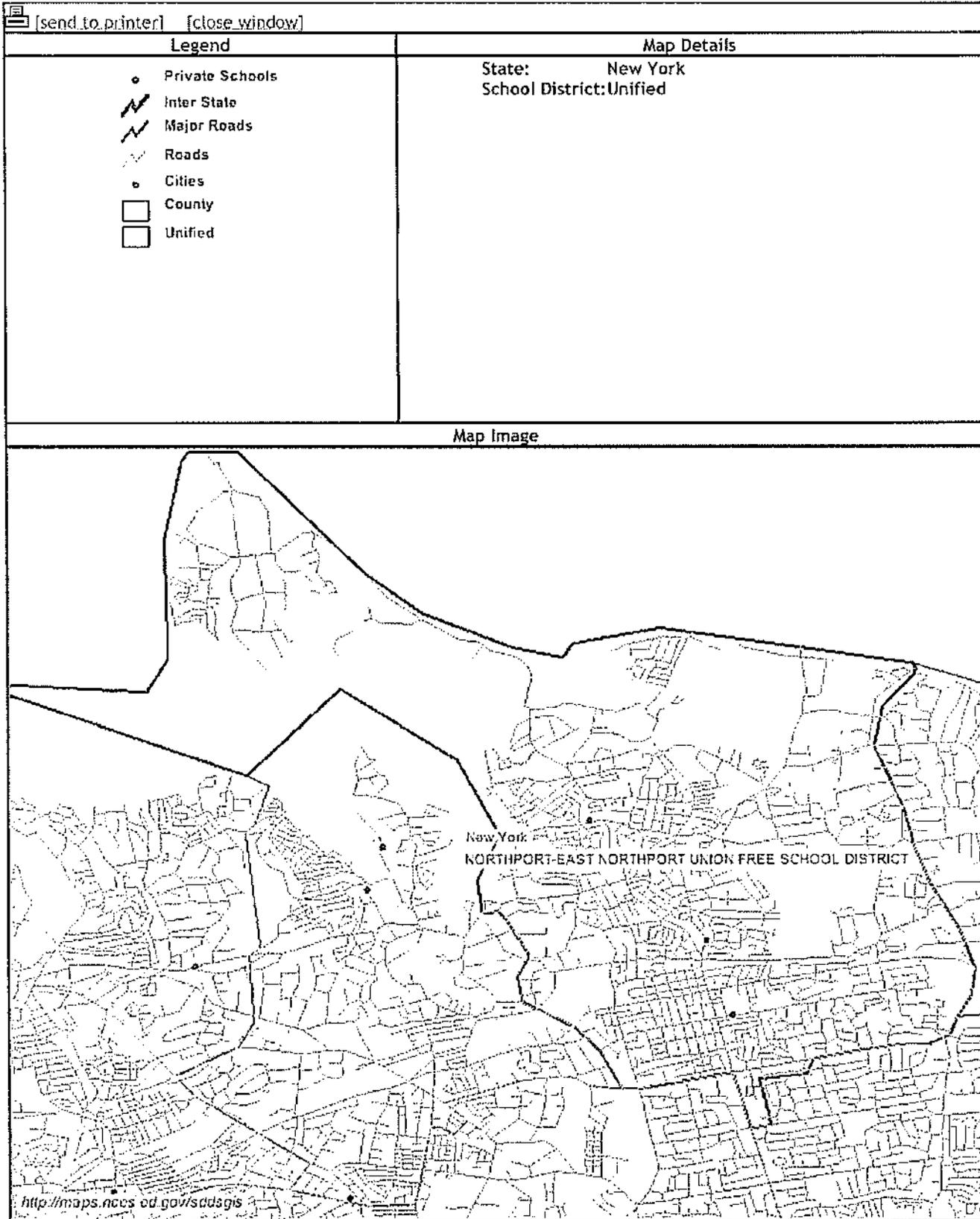
all ground level units will be handicapped 'adaptable'

Charlie - you misunderstood the info on the waiting list. first - it is a mailing list only, for info about Matinecock Court and a notice when the applications will be available. About 70% of the people on the list are residents of the Township of Huntington. 150 currently live in Northport and east Northport. from this list we notify people about our credit & homebuyer counseling programs. there is NO set aside for anyone. When we do the marketing we will ask the state for a preference for township residents, as did Millennium Hills and High view. It would be granted according to state guidelines, which is by municipality, and only if they have contributed financially.

Matinecock Court is a condominium complex, with half of the units sold individually and half owned by Housing Help and rented according to Federal tax credit requirements.



APPENDIX T



**APPENDIX U**

**Table DP-4. Profile of Selected Housing Characteristics: 2000**

Geographic area: Huntington town, Suffolk County, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text.]

Subject	Number	Percent	Subject	Number	Percent
<b>Total housing units</b>	<b>67,708</b>	<b>100.0</b>	<b>OCCUPANTS PER ROOM</b>		
<b>UNITS IN STRUCTURE</b>			Occupied housing units	65,917	100.0
1-unit, detached	58,986	87.1	1.00 or less	64,654	98.1
1-unit, attached	1,652	2.4	1.01 to 1.50	761	1.2
2 units	3,638	5.4	1.51 or more	502	0.8
3 or 4 units	1,579	2.3			
5 to 9 units	676	1.0	Specified owner-occupied units	53,075	100.0
10 to 19 units	453	0.7	<b>VALUE</b>		
20 or more units	642	0.9	Less than \$50,000	179	0.3
Mobile home	82	0.1	\$50,000 to \$99,999	333	0.6
Boat, RV, van, etc.	-	-	\$100,000 to \$149,999	2,781	5.2
			\$150,000 to \$199,999	8,737	16.5
<b>YEAR STRUCTURE BUILT</b>			\$200,000 to \$299,999	18,321	34.5
1999 to March 2000	717	1.1	\$300,000 to \$499,999	16,066	30.3
1995 to 1998	2,093	3.1	\$500,000 to \$999,999	5,879	11.1
1990 to 1994	1,168	1.7	\$1,000,000 or more	779	1.5
1980 to 1989	4,110	6.1	Median (dollars)	277,900	(X)
1970 to 1979	8,742	12.9			
1960 to 1969	18,621	27.5	<b>MORTGAGE STATUS AND SELECTED</b>		
1940 to 1959	24,184	35.7	<b>MONTHLY OWNER COSTS</b>		
1939 or earlier	8,073	11.9	With a mortgage	37,946	71.5
			Less than \$300	-	-
<b>ROOMS</b>			\$300 to \$499	37	0.1
1 room	364	0.5	\$500 to \$699	360	0.7
2 rooms	1,162	1.7	\$700 to \$999	1,704	3.2
3 rooms	2,821	4.2	\$1,000 to \$1,499	6,185	11.7
4 rooms	3,958	5.8	\$1,500 to \$1,999	10,223	19.3
5 rooms	6,073	9.0	\$2,000 or more	19,437	36.6
6 rooms	10,296	15.2	Median (dollars)	1,764	(X)
7 rooms	13,712	20.3	Not mortgaged	15,129	28.5
8 rooms	14,592	21.6	Median (dollars)	615	(X)
9 or more rooms	14,730	21.8			
Median (rooms)	7.2	(X)	<b>SELECTED MONTHLY OWNER COSTS</b>		
			<b>AS A PERCENTAGE OF HOUSEHOLD</b>		
Occupied housing units	65,917	100.0	<b>INCOME IN 1999</b>		
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>			Less than 15.0 percent	14,332	27.0
1999 to March 2000	6,365	9.7	15.0 to 19.9 percent	8,582	16.2
1995 to 1998	16,061	24.4	20.0 to 24.9 percent	7,339	13.8
1990 to 1994	10,287	15.6	25.0 to 29.9 percent	5,837	11.0
1980 to 1989	11,684	17.7	30.0 to 34.9 percent	3,811	7.2
1970 to 1979	9,735	14.8	35.0 percent or more	12,844	24.2
1969 or earlier	11,785	17.9	Not computed	330	0.6
<b>VEHICLES AVAILABLE</b>			Specified renter-occupied units	9,668	100.0
None	2,501	3.8	<b>GROSS RENT</b>		
1	15,001	22.6	Less than \$200	282	2.9
2	32,975	50.0	\$200 to \$299	186	1.9
3 or more	15,440	23.4	\$300 to \$499	354	3.7
			\$500 to \$749	1,338	13.8
<b>HOUSE HEATING FUEL</b>			\$750 to \$999	2,339	24.2
Utility gas	22,299	33.8	\$1,000 to \$1,499	2,792	28.9
Bottled, tank, or LP gas	755	1.1	\$1,500 or more	1,746	18.1
Electricity	2,391	3.6	No cash rent	631	6.5
Fuel oil, kerosene, etc.	40,143	60.9	Median (dollars)	1,003	(X)
Coal or coke	20	-			
Wood	43	0.1	<b>GROSS RENT AS A PERCENTAGE OF</b>		
Solar energy	16	-	<b>HOUSEHOLD INCOME IN 1999</b>		
Other fuel	193	0.3	Less than 15.0 percent	1,649	17.1
No fuel used	57	0.1	15.0 to 19.9 percent	1,375	14.2
			20.0 to 24.9 percent	1,191	12.3
<b>SELECTED CHARACTERISTICS</b>			25.0 to 29.9 percent	1,032	10.7
Lacking complete plumbing facilities	112	0.2	30.0 to 34.9 percent	607	6.3
Lacking complete kitchen facilities	217	0.3	35.0 percent or more	3,052	31.6
No telephone service	218	0.3	Not computed	762	7.9

-Represents zero or rounds to zero (X) Not applicable

Source: U.S. Bureau of the Census, Census 2000

**Table DP-4. Profile of Selected Housing Characteristics: 2000**

Geographic area: Greenlawn CDP, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text.]

Subject	Number	Percent	Subject	Number	Percent
<b>Total housing units</b>	4,639	100.0	<b>OCCUPANTS PER ROOM</b>		
<b>UNITS IN STRUCTURE</b>			Occupied housing units	4,494	100.0
1-unit, detached	3,962	85.4	1.00 or less	4,383	97.5
1-unit, attached	19	0.4	1.01 to 1.50	85	1.9
2 units	287	6.2	1.51 or more	26	0.6
3 or 4 units	119	2.6			
5 to 9 units	49	1.1	Specified owner-occupied units	3,325	100.0
10 to 19 units	147	3.2	<b>VALUE</b>		
20 or more units	56	1.2	Less than \$50,000	11	0.3
Mobile home	-	-	\$50,000 to \$99,999	57	1.7
Boat, RV, van, etc.	-	-	\$100,000 to \$149,999	358	10.8
			\$150,000 to \$199,999	964	29.0
<b>YEAR STRUCTURE BUILT</b>			\$200,000 to \$299,999	1,092	32.8
1999 to March 2000	31	0.7	\$300,000 to \$499,999	771	23.2
1995 to 1998	90	1.9	\$500,000 to \$999,999	72	2.2
1990 to 1994	138	3.0	\$1,000,000 or more	-	-
1980 to 1989	386	8.3	Median (dollars)	220,500	(X)
1970 to 1979	599	12.9	<b>MORTGAGE STATUS AND SELECTED</b>		
1960 to 1969	1,223	26.4	<b>MONTHLY OWNER COSTS</b>		
1940 to 1959	1,751	37.7	With a mortgage	2,467	74.2
1939 or earlier	421	9.1	Less than \$300	-	-
<b>ROOMS</b>			\$300 to \$499	-	-
1 room	49	1.1	\$500 to \$699	38	1.1
2 rooms	179	3.9	\$700 to \$999	171	5.1
3 rooms	368	7.9	\$1,000 to \$1,499	571	17.2
4 rooms	233	5.0	\$1,500 to \$1,999	841	25.3
5 rooms	480	10.3	\$2,000 or more	846	25.4
6 rooms	785	16.9	Median (dollars)	1,635	(X)
7 rooms	878	18.9	Not mortgaged	858	25.8
8 rooms	972	21.0	Median (dollars)	583	(X)
9 or more rooms	895	15.0	<b>SELECTED MONTHLY OWNER COSTS</b>		
Median (rooms)	6.8	(X)	<b>AS A PERCENTAGE OF HOUSEHOLD</b>		
			<b>INCOME IN 1999</b>		
Occupied housing units	4,494	100.0	Less than 15.0 percent	777	23.4
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>			15.0 to 19.9 percent	478	14.4
1999 to March 2000	402	8.9	20.0 to 24.9 percent	513	15.4
1995 to 1998	1,102	24.5	25.0 to 29.9 percent	358	10.8
1990 to 1994	696	15.5	30.0 to 34.9 percent	259	7.8
1980 to 1989	741	16.5	35.0 percent or more	928	27.9
1970 to 1979	738	16.4	Not computed	12	0.4
1969 or earlier	815	18.1			
<b>VEHICLES AVAILABLE</b>			Specified renter-occupied units	957	100.0
None	416	9.3	<b>GROSS RENT</b>		
1	1,119	24.9	Less than \$200	174	18.2
2	2,143	47.7	\$200 to \$299	110	11.5
3 or more	816	18.2	\$300 to \$499	80	8.4
<b>HOUSE HEATING FUEL</b>			\$500 to \$749	105	11.0
Utility gas	1,378	30.7	\$750 to \$999	129	13.5
Bottled, tank, or LP gas	47	1.0	\$1,000 to \$1,499	225	23.5
Electricity	416	9.3	\$1,500 or more	81	8.5
Fuel oil, kerosene, etc.	2,628	58.5	No cash rent	53	5.5
Coal or coke	-	-	Median (dollars)	713	(X)
Wood	-	-	<b>GROSS RENT AS A PERCENTAGE OF</b>		
Solar energy	-	-	<b>HOUSEHOLD INCOME IN 1999</b>		
Other fuel	6	0.1	Less than 15.0 percent	121	12.6
No fuel used	19	0.4	15.0 to 19.9 percent	119	12.4
<b>SELECTED CHARACTERISTICS</b>			20.0 to 24.9 percent	114	11.9
Lacking complete plumbing facilities	11	0.2	25.0 to 29.9 percent	118	12.3
Lacking complete kitchen facilities	16	0.4	30.0 to 34.9 percent	65	6.8
No telephone service	38	0.8	35.0 percent or more	351	36.7
			Not computed	69	7.2

-Represents zero or rounds to zero (X) Not applicable

Source: U.S. Bureau of the Census, Census 2000

**Table DP-4. Profile of Selected Housing Characteristics: 2000**

Geographic area: East Northport CDP, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units	7,074	100.0	<b>OCCUPANTS PER ROOM</b>		
<b>UNITS IN STRUCTURE</b>			Occupied housing units	6,953	100.0
1-unit, detached	6,388	90.3	100 or less	6,849	98.5
1-unit, attached	96	1.4	101 to 150	78	1.1
2 units	412	5.8	151 or more	26	0.4
3 or 4 units	108	1.5			
5 to 9 units	34	0.5	Specified owner-occupied units	5,689	100.0
10 to 19 units	-	-	<b>VALUE</b>		
20 or more units	36	0.5	Less than \$50,000	9	0.2
Mobile home	-	-	\$50,000 to \$99,999	10	0.2
Boat, RV, van, etc.	-	-	\$100,000 to \$149,999	233	4.1
			\$150,000 to \$199,999	1,356	23.9
<b>YEAR STRUCTURE BUILT</b>			\$200,000 to \$299,999	3,084	54.2
1999 to March 2000	33	0.5	\$300,000 to \$499,999	961	16.9
1995 to 1998	98	1.4	\$500,000 to \$999,999	34	0.6
1990 to 1994	52	0.7	\$1,000,000 or more	-	-
1980 to 1989	262	3.7	Median (dollars)	233,600	(X)
1970 to 1979	980	13.9	<b>MORTGAGE STATUS AND SELECTED</b>		
1960 to 1969	1,769	25.0	<b>MONTHLY OWNER COSTS</b>		
1940 to 1959	3,087	43.6	With a mortgage	4,071	71.6
1939 or earlier	793	11.2	Less than \$300	-	-
<b>ROOMS</b>			\$300 to \$499	7	0.1
1 room	31	0.4	\$500 to \$699	80	1.4
2 rooms	90	1.3	\$700 to \$999	299	5.3
3 rooms	278	3.9	\$1,000 to \$1,499	876	15.4
4 rooms	505	7.1	\$1,500 to \$1,999	1,619	28.5
5 rooms	697	9.9	\$2,000 or more	1,190	20.9
6 rooms	1,263	17.9	Median (dollars)	1,619	(X)
7 rooms	1,782	25.2	Not mortgaged	1,618	28.4
8 rooms	1,374	19.4	Median (dollars)	557	(X)
9 or more rooms	1,054	14.9	<b>SELECTED MONTHLY OWNER COSTS</b>		
Median (rooms)	6.9	(X)	<b>AS A PERCENTAGE OF HOUSEHOLD</b>		
Occupied housing units	6,953	100.0	<b>INCOME IN 1999</b>		
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>			Less than 15.0 percent	1,517	26.7
1999 to March 2000	625	9.0	15.0 to 19.9 percent	983	17.3
1995 to 1998	1,419	20.4	20.0 to 24.9 percent	880	15.5
1990 to 1994	1,247	17.9	25.0 to 29.9 percent	694	12.2
1980 to 1989	1,151	16.6	30.0 to 34.9 percent	378	6.6
1970 to 1979	1,097	15.8	35.0 percent or more	1,176	20.7
1969 or earlier	1,414	20.3	Not computed	61	1.1
<b>VEHICLES AVAILABLE</b>			Specified renter-occupied units	1,030	100.0
None	250	3.6	<b>GROSS RENT</b>		
1	1,750	25.2	Less than \$200	-	-
2	3,428	49.3	\$200 to \$299	-	-
3 or more	1,525	21.9	\$300 to \$499	29	2.8
<b>HOUSE HEATING FUEL</b>			\$500 to \$749	149	14.5
Utility gas	2,282	32.8	\$750 to \$999	297	28.8
Bottled, tank, or LP gas	85	1.2	\$1,000 to \$1,499	301	29.2
Electricity	164	2.4	\$1,500 or more	114	11.1
Fuel oil, kerosene, etc.	4,381	63.0	No cash rent	140	13.6
Coal or coke	-	-	Median (dollars)	979	(X)
Wood	9	0.1	<b>GROSS RENT AS A PERCENTAGE OF</b>		
Solar energy	-	-	<b>HOUSEHOLD INCOME IN 1999</b>		
Other fuel	32	0.5	Less than 15.0 percent	123	11.9
No fuel used	-	-	15.0 to 19.9 percent	115	11.2
<b>SELECTED CHARACTERISTICS</b>			20.0 to 24.9 percent	120	11.7
Lacking complete plumbing facilities	-	-	25.0 to 29.9 percent	135	13.1
Lacking complete kitchen facilities	15	0.2	30.0 to 34.9 percent	82	8.0
No telephone service	28	0.4	35.0 percent or more	315	30.6
			Not computed	140	13.6

-Represents zero or rounds to zero (X) Not applicable

Source: U.S. Bureau of the Census, Census 2000

**Table DP-4. Profile of Selected Housing Characteristics: 2000**

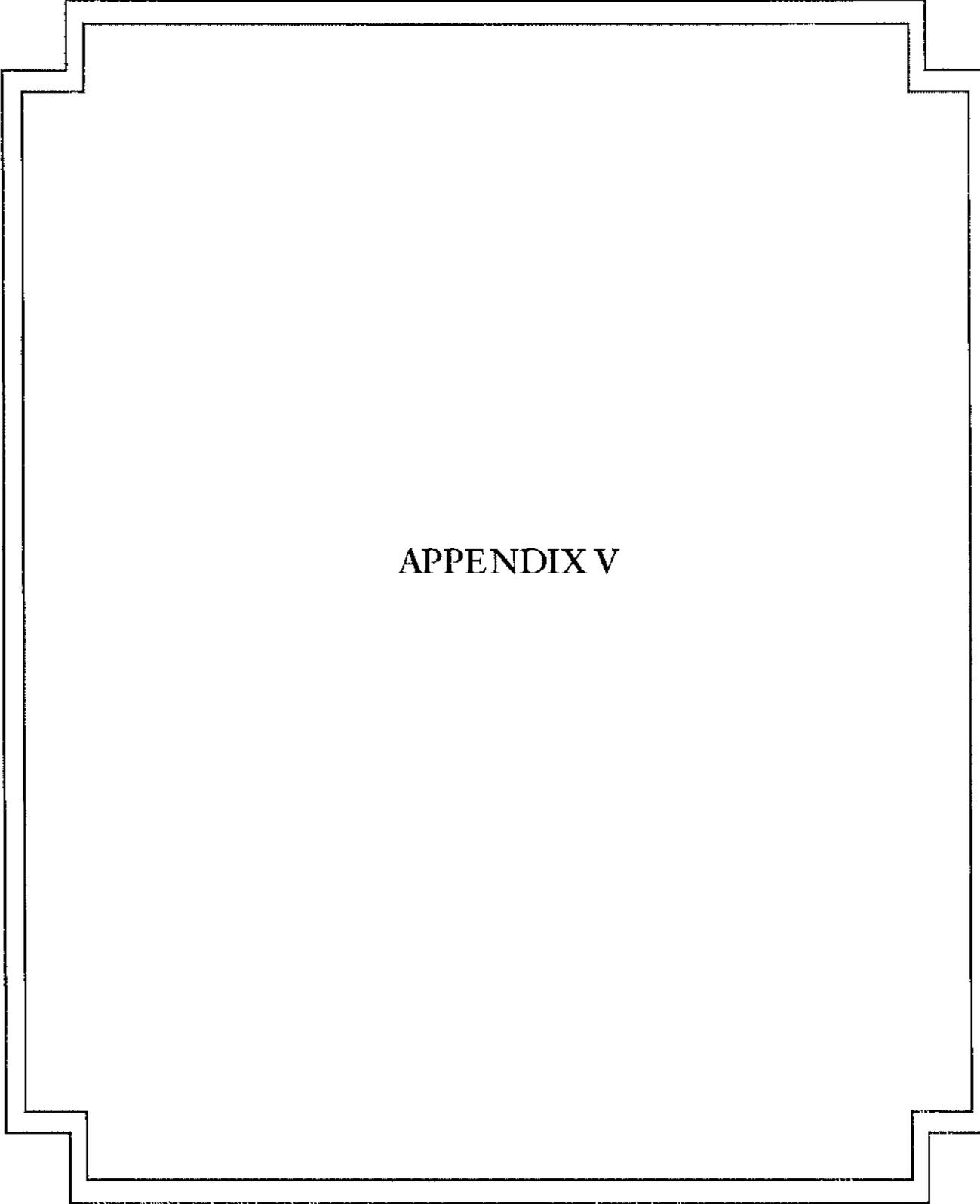
Geographic area: Northport village, New York

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text.]

Subject	Number	Percent	Subject	Number	Percent
Total housing units	3,052	100.0	<b>OCCUPANTS PER ROOM</b>		
<b>UNITS IN STRUCTURE</b>			Occupied housing units	2,952	100.0
1-unit, detached	2,243	73.5	1.00 or less	2,940	99.6
1-unit, attached	179	5.9	1.01 to 1.50	12	0.4
2 units	203	6.7	1.51 or more	-	-
3 or 4 units	183	6.0			
5 to 9 units	165	5.4	Specified owner-occupied units	2,077	100.0
10 to 19 units	30	1.0	<b>VALUE</b>		
20 or more units	33	1.1	Less than \$50,000	6	0.3
Mobile home	16	0.5	\$50,000 to \$99,999	-	-
Boat, RV, van, etc	-	-	\$100,000 to \$149,999	47	2.3
			\$150,000 to \$199,999	152	7.3
<b>YEAR STRUCTURE BUILT</b>			\$200,000 to \$299,999	782	37.7
1999 to March 2000	-	-	\$300,000 to \$499,999	836	40.3
1995 to 1998	-	-	\$500,000 to \$999,999	237	11.4
1990 to 1994	47	1.5	\$1,000,000 or more	17	0.8
1980 to 1989	244	8.0	Median (dollars)	309,100	(X)
1970 to 1979	372	12.2			
1960 to 1969	504	16.5	<b>MORTGAGE STATUS AND SELECTED</b>		
1940 to 1959	792	26.0	<b>MONTHLY OWNER COSTS</b>		
1939 or earlier	1,093	35.8	With a mortgage	1,482	71.4
			Less than \$300	-	-
<b>ROOMS</b>			\$300 to \$499	-	-
1 room	24	0.8	\$500 to \$699	14	0.7
2 rooms	47	1.5	\$700 to \$999	37	1.8
3 rooms	281	9.2	\$1,000 to \$1,499	217	10.4
4 rooms	344	11.3	\$1,500 to \$1,999	304	14.6
5 rooms	250	8.2	\$2,000 or more	910	43.8
6 rooms	525	17.2	Median (dollars)	1,839	(X)
7 rooms	487	16.0	Not mortgaged	595	28.6
8 rooms	609	20.0	Median (dollars)	571	(X)
9 or more rooms	485	15.9			
Median (rooms)	6.6	(X)	<b>SELECTED MONTHLY OWNER COSTS</b>		
			<b>AS A PERCENTAGE OF HOUSEHOLD</b>		
Occupied housing units	2,952	100.0	<b>INCOME IN 1999</b>		
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>			Less than 15.0 percent	630	30.3
1999 to March 2000	332	11.2	15.0 to 19.9 percent	368	17.7
1995 to 1998	756	25.6	20.0 to 24.9 percent	328	15.8
1990 to 1994	599	20.3	25.0 to 29.9 percent	250	12.0
1980 to 1989	561	19.0	30.0 to 34.9 percent	100	4.8
1970 to 1979	324	11.0	35.0 percent or more	377	18.2
1969 or earlier	380	12.9	Not computed	24	1.2
<b>VEHICLES AVAILABLE</b>			Specified renter-occupied units	697	100.0
None	105	3.6	<b>GROSS RENT</b>		
1	948	32.1	Less than \$200	-	-
2	1,268	43.0	\$200 to \$299	8	1.1
3 or more	631	21.4	\$300 to \$499	25	3.6
			\$500 to \$749	100	14.3
<b>HOUSE HEATING FUEL</b>			\$750 to \$999	218	31.3
Utility gas	1,180	40.0	\$1,000 to \$1,499	227	32.6
Bottled, tank, or LP gas	10	0.3	\$1,500 or more	91	13.1
Electricity	90	3.0	No cash rent	28	4.0
Fuel oil, kerosene, etc	1,647	55.8	Median (dollars)	977	(X)
Coal or coke	8	0.3			
Wood	-	-	<b>GROSS RENT AS A PERCENTAGE OF</b>		
Solar energy	-	-	<b>HOUSEHOLD INCOME IN 1999</b>		
Other fuel	9	0.3	Less than 15.0 percent	184	26.4
No fuel used	8	0.3	15.0 to 19.9 percent	93	13.3
			20.0 to 24.9 percent	79	11.3
<b>SELECTED CHARACTERISTICS</b>			25.0 to 29.9 percent	91	13.1
Lacking complete plumbing facilities	7	0.2	30.0 to 34.9 percent	45	6.5
Lacking complete kitchen facilities	7	0.2	35.0 percent or more	177	25.4
No telephone service	-	-	Not computed	28	4.0

-Represents zero or rounds to zero (X) Not applicable

Source: U.S. Bureau of the Census, Census 2000



APPENDIX V



NYS Division of Housing and  
Community Renewal

NYS Housing Trust Fund  
Corporation

Unified Funding

Reference Materials

2007

UF2007

**Median Income Adjusted by Bedroom  
Count SAMIS (Statewide Asset  
Management Information System)**

( For Use in Completing Exhibit 4 - Affordability Analysis - and in  
Calculating Restricted Rents for Low Income Housing Credit Program )

U.S. DEPARTMENT OF HUD 03/2006  
STATE: NEW YORK

PROGRAM	1 PERSON	2 PERSON	3 PERSON	4 PERSON	5 PERSON	6 PERSON	7 PERSON	8 PERSON
----- 2006 ADJUSTED HOME INCOME LIMITS -----								
Nassau-Suffolk, NY HUD Metro FMR Area								
30% LIMITS	19100	21850	24550	27300	29500	31650	33850	36050
VERY LOW INCOME	31650	36400	40950	45500	49150	52800	56400	60050
60% LIMITS	38220	43680	49140	54600	59980	63360	67580	72060
LOW INCOME	43250	49400	55600	61750	66700	71650	76600	81500
Poughkeepsie-Newburgh-Middletown, NY MSA								
30% LIMITS	15400	17600	19800	22000	23750	25500	27300	29050
VERY LOW INCOME	25700	29350	33050	36700	39650	42550	45500	48450
60% LIMITS	30840	35220	39660	44040	47580	51060	54500	58140
LOW INCOME	41100	46950	52850	58700	63400	68100	72800	77500
Rochester, NY MSA								
30% LIMITS	13500	15400	17350	19250	20800	22350	23850	25400
VERY LOW INCOME	22450	25650	28850	32050	34600	37200	39750	42300
60% LIMITS	26940	30780	34620	38460	41520	44640	47700	50760
LOW INCOME	35900	41050	46150	51300	55400	59500	63600	67700
Rockland County, NY HUD Metro FMR Area								
30% LIMITS	19750	22550	25400	28200	30450	32700	34950	37200
VERY LOW INCOME	32900	37600	42300	47000	50750	54500	58300	62050
60% LIMITS	39480	45120	50760	56400	60900	65400	69960	74460
LOW INCOME	41700	47700	53650	59600	64350	69150	73900	78650
Syracuse, NY MSA								
30% LIMITS	12500	14300	16050	17850	19300	20700	22150	23550
VERY LOW INCOME	20850	23800	26800	29750	32150	34500	36900	39250
60% LIMITS	25020	28560	32160	35760	38580	41400	44280	47100
LOW INCOME	33300	38100	42850	47600	51400	55200	59000	62850
Utica-Rome, NY MSA								
30% LIMITS	11050	12650	14200	15600	17050	18350	19600	20850
VERY LOW INCOME	18400	21050	23650	26300	28400	30500	32600	34700
60% LIMITS	22080	25260	28380	31560	34080	36600	39120	41640
LOW INCOME	29450	33700	37900	42100	45450	48850	52200	55550
Westchester County, NY HUD Metro FMR Area								
30% LIMITS	20250	23150	26050	28950	31350	33600	35900	38200
VERY LOW INCOME	33800	38600	43450	48250	52100	55950	59850	63700
60% LIMITS	40560	46320	52140	57900	62520	67140	71820	76440
LOW INCOME	42950	49100	55200	61350	66250	71150	76050	81000
Allegany County, NY								
30% LIMITS	10500	12000	13450	14950	16150	17350	18550	19750
VERY LOW INCOME	17450	19950	22450	24950	26950	28950	30950	32950
60% LIMITS	20940	23940	26940	29940	32340	34740	37140	39540
LOW INCOME	27950	31950	35950	39900	43100	46300	49500	52700

MEDIAN INCOME ADJUSTED BY BEDROOMS COUNT  
BASED ON HUD INCOME LIMITS EFFECTIVE 03/08/2006

STATISTICAL AREA: MONTGOMERY  
COUNTY: MONTGOMERY

BEDROOMS:	0	1	2	3	4	5
MEDIAN INCOME:	\$ 44,400	\$ 47,600	\$ 57,100	\$ 66,000	\$ 73,600	\$ 81,250

STATISTICAL AREA: NASSAU-SUFFOLK  
COUNTY: NASSAU, SUFFOLK

BEDROOMS:	0	1	2	3	4	5
MEDIAN INCOME:	\$ 63,700	\$ 68,250	\$ 81,900	\$ 94,650	\$105,600	\$116,450

STATISTICAL AREA: NEW YORK  
COUNTY: BRONX, KINGS, NEW YORK, PUTNAM, QUEENS, RICHMOND

BEDROOMS:	0	1	2	3	4	5
MEDIAN INCOME:	\$ 49,600	\$ 53,150	\$ 63,800	\$ 73,750	\$ 82,200	\$ 90,750

STATISTICAL AREA: OTSEGO  
COUNTY: OTSEGO

BEDROOMS:	0	1	2	3	4	5
MEDIAN INCOME:	\$ 34,900	\$ 37,400	\$ 44,900	\$ 51,900	\$ 57,900	\$ 63,900

STATISTICAL AREA: POUGHKEEPSIE-NEWBURGH-MIDDLETOWN  
COUNTY: DUTCHESS, ORANGE

BEDROOMS:	0	1	2	3	4	5
MEDIAN INCOME:	\$ 51,400	\$ 55,050	\$ 66,100	\$ 76,350	\$ 85,100	\$ 93,950

STATISTICAL AREA: ROCHESTER  
COUNTY: LIVINGSTON, MONROE, ONTARIO, ORLEANS, WAYNE

BEDROOMS:	0	1	2	3	4	5
MEDIAN INCOME:	\$ 44,900	\$ 48,100	\$ 57,700	\$ 66,650	\$ 74,400	\$ 82,050