

TABLE OF CONTENTS

Foreword.....	
Executive Summary	S-1
Chapter 1: Project Description	1-1
A. Introduction	1-1
B. Background and Existing Conditions	1-2
The Proposed Development Site and Area to be Rezoned	1-2
Surrounding Area	1-4
C. Project Purpose and Need.....	1-5
D. Description of the Proposed Action	1-6
Zoning Map Change	1-6
Acquisition and Disposition of City-Owned Property	1-7
Funding/Financing.....	1-7
Restrictive Declaration and (E) Designation	1-8
E. Reasonable Worst Case Development Scenario.....	1-8
The Future Without the Proposed Action (No-Action Condition)	1-9
The Future With the Proposed Action (With-Action Condition)	1-9
F. Proposed Actions and Required Approvals.....	1-14
Chapter 2: Land Use, Zoning, & Public Policy	2-1
A. Introduction	2-1
B. Existing Conditions	2-2
Land Use.....	2-2
Zoning	2-5
Public Policy.....	2-6
C. The Future Without the Proposed Action (No-Action)	2-8
Land Use.....	2-8
Zoning	2-9
Public Policy.....	2-10
D. Probable Impacts of the Proposed Action	2-10
Land Use.....	2-10
Zoning	2-12
Public Policy.....	2-13
E. Conclusion.....	2-14
Chapter 3: Open Space	3-1
A. Introduction	3-1
B. Methodology and Open Space Study Area	3-2
Open Space Study Area.....	3-2
C. Existing Conditions	3-3
Study Area Population.....	3-3
Inventory of Publicly Accessible Open Space Resources	3-5
Quantitative Analysis of Open Space Adequacy	3-9
Qualitative Analysis of Open Space Adequacy	3-10
D. The Future Without the Proposed Action (No-Action)	3-11
Open Space Study Area Population	3-11

	Open Space Resources	3-11
	Quantitative Assessment of Open Space Adequacy	3-11
	Qualitative Analysis of Open Space Adequacy	3-12
E.	Probable Impacts of the Proposed Action.....	3-12
	Study Area Population	3-12
	Open Space Resources.....	3-13
	Quantitative Analysis of Open Space Adequacy	3-13
	Qualitative Analysis of Open Space Adequacy	3-14
F.	Conclusion	3-14
Chapter 4:	Shadows.....	4-1
A.	Introduction.....	4-1
B.	Methodology	4-1
	Resources of Concern	4-2
C.	Assessment of Potential Shadow Impacts.....	4-3
	March 21/September 21	4-4
	May 6/August 6.....	4-5
	June 21	4-5
	December 21	4-6
	Assessment.....	4-6
D.	Conclusion	4-8
Chapter 5:	Historic Resources.....	5-1
A.	Introduction.....	5-1
B.	Existing Conditions.....	5-2
	S/NR Sugar Hill Historic District	5-2
	NYCLPC’s Hamilton Heights/Sugar Hill Historic District.....	5-7
	409 Edgecombe Avenue	5-8
	Macomb’s Dam Bridge.....	5-9
	Jackie Robinson Play Center.....	5-9
C.	The Future Without the Proposed Action (No-Action).....	5-9
D.	Probable Impacts of the Proposed Action.....	5-10
	Assessment.....	5-10
	Shadows	5-14
	Construction.....	5-14
E.	Conclusion	5-15
Chapter 6:	Visual Resources.....	6-1
A.	Introduction.....	6-1
B.	Existing Conditions.....	6-2
	Proposed Development Site.....	6-2
	Surrounding Study Area	6-2
C.	The Future Without the Proposed Action (No-Action).....	6-5
D.	Probable Impacts of the Proposed Action.....	6-6
E.	Conclusion	6-8
Chapter 7:	Neighborhood Character	7-1
A.	Introduction.....	7-1
B.	Existing Conditions.....	7-2
C.	The Future Without the Proposed Action (No-Action).....	7-4
D.	Probable Impacts of the Proposed Action.....	7-5
E.	Conclusion	7-6

Chapter 8:	Hazardous Materials	8-1
	A. Introduction	8-1
	B. Phase I Environmental Site Assessment.....	8-1
	C. The Future Without the Proposed Action (No-Action)	8-2
	D. Probable Impacts of the Proposed Action	8-3
	E. Conclusion.....	8-4
Chapter 9:	Air Quality	9-1
	A. Introduction	9-1
	B. Pollutants of Concern	9-1
	Criteria Pollutants.....	9-1
	Air Toxic Pollutants	9-2
	C. Mobile Source Analysis	9-3
	Intersection Analysis	9-3
	Garage Analysis	9-3
	D. Analysis of Heating System Emissions.....	9-5
	Emission Sources	9-5
	Analyses Conducted	9-5
	Results	9-6
	E. Health Risk Assessment of Toxic Air Emissions From Existing Industrial Sources.....	9-7
	Introduction	9-7
	Results	9-8
	F. Conclusion.....	9-8
Chapter 10:	Noise	10-1
	A. Introduction	10-1
	B. Noise Fundamentals	10-1
	Introduction	10-1
	Human Perception of Noise and Noise Descriptors	10-2
	Criteria.....	10-3
	C. Existing Conditions	10-3
	Noise Monitoring Locations.....	10-3
	Equipment Used in Noise Monitoring.....	10-4
	Results of Baseline Noise Measurements.....	10-6
	D. The Future Without the Proposed Action (No-Action)	10-6
	E. Probable Impacts of the Proposed Action	10-7
	F. Sensitive Receptor Assessment	10-8
	G. Conclusion.....	10-10
Chapter 11:	Construction Impacts	11-1
	A. Introduction	11-1
	B. Construction Schedule and Activities	11-1
	C. Potential Impacts During Construction	11-2
	Historic Resources – Architectural.....	11-2
	Hazardous Materials.....	11-3
	Other Technical Areas.....	11-4
	D. Conclusion.....	11-5
Chapter 12:	Mitigation	12-1
	A. Introduction	12-1
	B. Historic Architectural Resources.....	12-1

	Mitigation for Direct Impact	12-1
	Mitigation for Indirect Impact	12-3
	C. Hazardous Materials	12-4
Chapter 13:	Alternatives	13-1
	A. Introduction.....	13-1
	B. No-Action Alternative	13-2
	Land Use, Zoning, and Public Policy	13-2
	Open Space	13-2
	Shadows.....	13-3
	Historic Resources (Architectural).....	13-3
	Visual Resources.....	13-4
	Neighborhood Character	13-4
	Hazardous Materials	13-4
	Air Quality	13-5
	Noise	13-5
	Construction Impacts	13-5
	Conclusion	13-5
	C. No Impacts/Reduced Impacts Alternative	13-6
	Direct Significant Adverse Impact.....	13-6
	Indirect Significant Adverse Impact	13-6
	Conclusion	13-7
Chapter 14:	Unavoidable Adverse Impacts.....	14-1
	A. Introduction.....	14-1
	B. Historic (Architectural Resources).....	14-1
	Unavoidable Direct Impact	14-1
	Unavoidable Indirect Impact.....	14-1
Chapter 15:	Growth-Inducing Aspects of the Proposed Action	15-1
Chapter 16:	Irreversible and Irretrievable Commitment of Resources	16-1
Chapter 17:	<u>Response to Comments on the DEIS</u>	<u>17-1</u>

APPENDICES

Appendix A: Agency Correspondence

Environmental Review Letters from NYC Landmarks Preservation Commission
 Review Letters from NY State Office of Parks, Recreation and Historic Preservation
 Letter Submitted by SLCE Architects to OPRHP (structural evaluation attached)
 Review Letter from NYC Department of Environmental Protection

Appendix B: *424 West 155th Street – Historical Background Report, by Higgins Quasebarth & Partners, LLC; February 2009*

LIST OF TABLES

ES-1	Lots Within the Proposed Rezoning Area and their Existing FAR and Percent of Proposed R8A Floor Area.....	ES-7
1-1	Existing Land Uses in Directly Affected Area (Area to be Rezoned)	1-3
1-2	Use Groups Allowed in Existing (C8-3 & R7-2) and Proposed (R8A) Zoning Districts	1-6
1-3	Lots Within the Proposed Rezoning Area and their Existing FAR and Percent of Proposed R8A Floor Area.....	1-10
2-1	Study Area Zoning Designations	2-6
2-2	Development Projects in the Future Without the Proposed Action Within an Approximate Half-Mile Radius	2-8
2-3	Comparison of Zoning Regulations: Existing C8-3 and R7-2 with Proposed R8A.....	2-13
3-1	Study Area Residential Population, Age Group Distribution, and Worker Population	3-4
3-2	Existing Open Space and Recreational Resources in the Study Area.....	3-7
3-3	Adequacy of Open Space Resources in the Study Area – Existing Conditions.....	3-10
3-4	Adequacy of Open Space Resources in the Study Area – No-Action Conditions	3-12
3-5	Adequacy of Open Space Resources in the Study Area – 2012 No-Action and With-Action Conditions.....	3-13
4-1	Shadow Duration on Identified Resources Within Maximum Shadow Radius	4-5
9-1	Applicable National and State Ambient Air Quality Standards.....	9-2
10-1	Noise Exposure Standards for Use in City Environmental Impact Reviews	10-4
10-2	Existing Short-Term Noise Levels at Monitoring Sites 1 through 4.....	10-7
10-3	Required Attenuation Values to Achieve Acceptable Interior Noise Levels.....	10-8
10-4	CEQR Required Attenuation Values for the Proposed Development Site	10-10
10-5	HUD Required Attenuation Values for the Proposed Development Site	10-10

LIST OF FIGURES

		Following Page
ES-1	Project Location.....	ES-2
ES-2	Existing and Proposed Zoning.....	ES-4
ES-3	Tax Lots Affected by Proposed Rezoning.....	ES-4
ES-4	Preliminary Site Plan for Proposed Development – Illustrating Reciprocal Easements	ES-8
ES-5	Proposed Development – Illustrative Building Section.....	ES-8
ES-6	Proposed Development – Illustrative Rendering (View from St. Nicholas Avenue Looking Southeast	ES-8
1-1	Project Location.....	1-2
1-2a	Tax Map of Affected Block.....	1-2
1-2b	Tax Lots Affected by Proposed Rezoning.....	1-2
1-3	Photographs of Proposed Development Site and Rezoning Area	1-2
1-4	Existing and Proposed Zoning.....	1-6
1-5	Preliminary Site Plan for Proposed Development – Illustrating Reciprocal Easements	1-8
1-6	Proposed Development – Illustrative Building Section.....	1-12
1-7	Proposed Development – Illustrative Rendering (View from St. Nicholas Avenue Looking Southeast	1-12
2-1	Existing Land Use	2-2
2-2	Existing Zoning	2-6
2-3	No-Action Developments in Half-Mile Radius	2-8
2-4	Existing and Proposed Zoning.....	2-12
3-1	Open Space Study Area.....	3-4
3-2	Open Space Resources	3-6
4-1	Resources of Concern Within Maximum Shadow Radius for Proposed Development Site	4-2
4-2a	Shadow Diagrams – March 21	4-4
4-2b	Shadow Diagrams – May 6	4-6
4-2c	Shadow Diagrams – June 21	4-6
4-2d	Shadow Diagrams – December 21	4-6
4-3	Aerial Photo of Open Space Areas Affected by Incremental Shadows.....	4-8
5-1	Historic Resources Within 400-Foot Study Area	5-2
5-2a	<u>Sugar Hill Historic District – Examples of Town Houses within S/NR and LPC Historic Districts.....</u>	5-4
5-2b	<u>Sugar Hill Historic District – Examples of Apartment Buildings within S/NR and LPC Historic Districts.....</u>	5-4
5-3a	<u>Sugar Hill S/NR Historic District – Examples of Floral and Nature-Inspired Building Details..</u>	5-4
5-3b	<u>Sugar Hill S/NR Historic District – Examples of Varied Building Textures, Materials, and Colors</u>	5-4
5-4	<u>Photographs of Existing Garage on Proposed Development Site in Context with Sugar Hill Historic District</u>	5-6
5-5	<u>Proposed Development Site – Existing Views vs. Illustrative Future View</u>	5-10
6-1	Visual Resources Study Area	6-2
6-2	Bird’s Eye View of Proposed Development Site and Immediate Vicinity.....	6-2
6-3	Visual Resources in the Study Area	6-2
6-4	<u>Building Heights Within Approximate ¼-Mile Radius.....</u>	6-4
6-5	<u>Aerial View of Proposed Development Site – Existing View vs. Illustrative Future View With the Proposed Development.....</u>	6-8

9-1 Project Study Area and Block and Lot Numbers9-2

10-1 Noise Monitoring Sites 10-5*

* Denotes that the figure is on the specified page