

## Table of Contents

---

<b>Executive Summary .....</b>	<b>S-1</b>
<b>1: Project Description .....</b>	<b>1-1</b>
A. Introduction .....	1-1
B. Purpose and Need .....	1-1
C. Site Description .....	1-3
D. Proposed Actions .....	1-3
E. Proposed Project .....	1-5
Construction Schedule .....	1-5
Development Site Buildings .....	1-6
F. Analysis Framework .....	1-9
The Future Without the Proposed Project (No Action Condition) .....	1-10
The Future With the Proposed Project (With Action Condition) .....	1-10
G. Environmental Review Process .....	1-10
Environmental Review .....	1-11
ULURP .....	1-12
<b>2: Land Use, Zoning, and Public Policy .....</b>	<b>2-1</b>
A. Introduction .....	2-1
B. Methodology .....	2-1
C. Existing Conditions .....	2-2
Land Use .....	2-2
Zoning .....	2-3
Public Policy .....	2-5
D. Future Without the Proposed Project .....	2-6
Land Use .....	2-6
Zoning .....	2-6
Public Policy .....	2-7
E. Probable Impacts of the Proposed Project .....	2-7
Land Use .....	2-7
Zoning .....	2-8
Public Policy .....	2-9
F. Conclusion .....	2-10
<b>3: Socioeconomic Conditions .....</b>	<b>3-1</b>
A. Introduction .....	3-1
B. Methodology .....	3-1
Background .....	3-1
Determining Whether A Socioeconomic Assessment Is Appropriate .....	3-2
Study Area Definition .....	3-4

Data Sources ..... 3-4

C. Indirect Residential Displacement ..... 3-4

Conclusion ..... 3-6

**4: Community Facilities and Services ..... 4-1**

A. Introduction ..... 4-1

B. Preliminary Screening ..... 4-1

Direct Effects ..... 4-1

Indirect Effects ..... 4-2

C. Potential Indirect Effects On Public Elementary, Intermediate, and High Schools ..... 4-2

Methodology ..... 4-2

Existing Conditions ..... 4-3

Future Without the Proposed Project ..... 4-5

Probable Impacts of the Proposed Project ..... 4-6

D. Potential Indirect Effects On Public Libraries ..... 4-9

Methodology ..... 4-9

Existing Conditions ..... 4-9

The Future Without the Proposed Project ..... 4-10

Probable Impacts of the Proposed Project ..... 4-10

E. Potential Indirect Effects On Child Care Centers ..... 4-11

Methodology ..... 4-11

Existing Conditions ..... 4-12

The Future Without the Proposed Project ..... 4-14

Probable Impacts of the Proposed Project ..... 4-14

**5: Open Space ..... 5-1**

A. Introduction ..... 5-1

B. Methodology ..... 5-1

Direct Effects Analysis ..... 5-1

Indirect Effects Analysis ..... 5-1

C. Open Space Assessment ..... 5-4

Existing Conditions ..... 5-4

The Future Without the Proposed Project ..... 5-8

Probable Impacts of the Proposed Project ..... 5-9

**6: Shadows ..... 6-1**

A. Introduction ..... 6-1

B. Definitions and Methodology ..... 6-1

Definitions ..... 6-1

Methodology ..... 6-2

C. Preliminary Screening Assessment ..... 6-3

Tier 1 Screening Assessment ..... 6-3

Tier 2 Screening Assessment ..... 6-3

Tier 3 Screening Assessment ..... 6-4

D. Detailed Shadow Analysis ..... 6-5

Resources of Concern ..... 6-5

Analysis Results By Season ..... 6-7

E. Conclusions By Resource ..... 6-14

Vidalia Park.....	6-14
West Farms Square Seating Area.....	6-14
River Park.....	6-14
West Farms Rapids Park .....	6-15
River Garden .....	6-15
West Farms Soldiers Cemetery .....	6-15
Beck Memorial Presbyterian Church .....	6-15
New Tabernacle Baptist Church.....	6-15
Bronx River.....	6-16
F. Disclosure of New Shadows On the Bronx Zoo .....	6-16
G. Disclosure of New Shadows On Project Open Space .....	6-17
<b>7: Historic and Cultural Resources .....</b>	<b>7-1</b>
A. Introduction.....	7-1
B. Regulatory Context .....	7-1
National Historic Preservation Act (Section 106).....	7-1
State Historic Preservation Act .....	7-3
New York City Landmarks Law .....	7-4
C. Methodology .....	7-4
Identification of the Area of Potential Effect .....	7-4
Identification of Historic Properties/Structures.....	7-4
Assessment of Potential Effects On Historic Resources .....	7-5
D. Existing Conditions.....	7-6
Development Site .....	7-6
Study Area.....	7-6
E. The Future Without the Proposed Project .....	7-9
F. Probable Impacts of the Proposed Project.....	7-9
Development Site .....	7-9
Study Area.....	7-10
<b>8: Urban Design and Visual Resources .....</b>	<b>8-1</b>
A. Introduction.....	8-1
B. Preliminary Assessment .....	8-1
C. Methodology .....	8-2
D. Existing Conditions.....	8-3
Urban Design.....	8-3
Visual Resources .....	8-6
E. The Future Without the Proposed Project .....	8-6
F. The Future With the Proposed Project .....	8-7
Urban Design.....	8-7
Visual Resources .....	8-11
Conclusion.....	8-12
<b>9: Natural Resources.....</b>	<b>9-1</b>
A. Introduction.....	9-1
B. Methodology .....	9-1
C. Regulatory Context .....	9-2
Federal.....	9-2

New York .....	9-3
D. Existing Conditions .....	9-4
Groundwater .....	9-5
Floodplains .....	9-5
Wetlands .....	9-5
Aquatic Resources .....	9-5
Terrestrial Resources .....	9-6
Threatened, Endangered, and Special Concern Species .....	9-11
E. The Future Without the Proposed Project .....	9-12
F. Probable Impacts of Proposed Project .....	9-12
Groundwater .....	9-12
Floodplains .....	9-13
Wetlands .....	9-13
Aquatic Resources .....	9-13
Terrestrial Resources .....	9-13
Threatened, Endangered, and Special Concern Species .....	9-14
<b>10: Hazardous Materials .....</b>	<b>10-1</b>
A. Introduction .....	10-1
B. Existing Conditions .....	10-2
Topography and Subsurface Conditions .....	10-2
Hazardous Materials Assessment .....	10-2
C. The Future Without the Proposed Project .....	10-3
D. Probable Impacts of the Proposed Project .....	10-3
Task 1: Sampling Protocol .....	10-4
Task 2: Remediation Determination and Protocol .....	10-4
<b>11: Water and Sewer Infrastructure .....</b>	<b>11-1</b>
A. Introduction .....	11-1
B. Methodology .....	11-1
C. Existing Conditions .....	11-2
Conveyance System .....	11-2
Sanitary Flows .....	11-3
Stormwater Flows .....	11-3
D. The Future Without the Proposed Project (No Action Condition) .....	11-4
E. The Future With the Proposed Project (With Action Condition) .....	11-4
Conveyance System .....	11-4
Sanitary Flows .....	11-5
Stormwater Flows .....	11-5
<b>12: Transportation .....</b>	<b>12-1</b>
A. Introduction .....	12-1
Principal Conclusions .....	12-2
B. Preliminary Analysis Methodology and Screening Assessment .....	12-4
Level 1 Screening Assessment .....	12-4
Level 2 Screening Assessment .....	12-9
C. Transportation Analysis Methodologies .....	12-15
Traffic Operations .....	12-15

Transit Operations .....	12-17
Pedestrian Operations.....	12-19
Vehicular and Pedestrian Safety Evaluation .....	12-22
Parking Conditions Assessment .....	12-22
D. Detailed Traffic Analysis .....	12-23
2014 Existing Conditions .....	12-23
The Future Without the Proposed Project .....	12-27
The Future With the Proposed Project .....	12-33
E. Detailed Transit Analysis .....	12-39
Transit Study Areas .....	12-39
Subway Station Analysis.....	12-40
Subway Line Haul Analysis.....	12-45
F. Detailed Pedestrian Analysis.....	12-47
2014 Existing Conditions .....	12-47
The Future Without the Proposed Project .....	12-50
The Future With the Proposed Project .....	12-54
G. Vehicular and Pedestrian Safety Evaluation .....	12-58
East Tremont Avenue and Boston Road/West Farms Road.....	12-58
East 180th Street and Boston Road .....	12-61
H. Parking Assessment .....	12-62
2014 Existing Conditions .....	12-62
The Future Without the Proposed Project .....	12-63
The Future With the Proposed Project .....	12-64
<b>13: Air Quality .....</b>	<b>13-1</b>
A. Introduction.....	13-1
B. Pollutants for Analysis .....	13-1
Carbon Monoxide.....	13-2
Nitrogen Oxides, VOCs, and Ozone .....	13-2
Lead.....	13-3
Respirable Particulate Matter—PM <sub>10</sub> and PM <sub>2.5</sub> .....	13-3
Sulfur Dioxide .....	13-4
C. Air Quality Regulations, Standards, and Benchmarks .....	13-4
National and State Air Quality Standards .....	13-4
NAAQS Attainment Status and State Implementation Plans.....	13-6
Determining the Significance of Air Quality Impacts.....	13-7
D. Methodology for Predicting Pollutant Concentrations.....	13-8
Mobile Sources.....	13-8
Stationary Sources.....	13-11
E. Existing Conditions.....	13-16
F. Future Without the Proposed Project .....	13-17
Mobile Sources.....	13-17
Stationary Sources.....	13-18
G. Probable Impacts of the Proposed Project.....	13-18
Mobile Sources.....	13-18
Stationary Sources.....	13-20
Additional Sources .....	13-22

<b>14: Greenhouse Gas Emissions .....</b>	<b>14-1</b>
A. Introduction .....	14-1
B. Pollutants of Concern .....	14-1
C. Policy, Regulations, Standards, and Benchmarks for Reducing GHG Emissions.....	14-3
D. Methodology.....	14-5
Building Operational Emissions .....	14-6
Mobile Source Emissions .....	14-6
Construction Emissions .....	14-7
Emissions from Solid Waste Management .....	14-7
E. Projected GHG Emissions.....	14-7
Building Operational Emissions .....	14-7
Mobile Source Emissions .....	14-8
Summary.....	14-8
F. Elements of the Proposed Development That Would Reduce GHG Emissions.....	14-8
Build Efficient Buildings.....	14-9
Use Clean Power.....	14-9
Transit-Oriented Development and Sustainable Transportation.....	14-9
Reduce Construction Operation Emissions .....	14-10
Use Building Materials With Low Carbon Intensity .....	14-10
G. Conclusion.....	14-10
<b>15: Noise .....</b>	<b>15-1</b>
A. Introduction .....	15-1
B. Acoustical Fundamentals.....	15-1
“A”-Weighted Sound Level (dBA).....	15-1
Sound Level Descriptors.....	15-2
C. Noise Standards and Criteria .....	15-2
New York CEQR Noise Criteria .....	15-2
HUD Development Guidelines.....	15-3
D. Existing Noise Levels.....	15-3
Noise Monitoring Locations .....	15-3
Equipment Used During Noise Monitoring.....	15-4
Noise Measurement Results .....	15-4
E. Noise Attenuation Measures.....	15-5
<b>16: Public Health .....</b>	<b>16-1</b>
<b>17: Neighborhood Character.....</b>	<b>17-1</b>
A. Introduction .....	17-1
B. Methodology.....	17-1
Study Area .....	17-2
C. Preliminary Assessment .....	17-3
Defining Features.....	17-3
Potential to Affect the Defining Features of the Neighborhood.....	17-3
D. Conclusion.....	17-7
<b>18A: Construction—Introduction.....</b>	<b>18A-1</b>
A. Introduction .....	18A-1

B.	Governmental Coordination and Oversight .....	18A-1
C.	Construction Phasing and Schedule .....	18A-2
D.	Construction Description .....	18A-3
	General Construction Practices .....	18A-3
	General Construction Activities .....	18A-4
<b>18B:</b>	<b>Construction—Transportation Impact Assessment .....</b>	<b>18B-1</b>
E.	Introduction .....	18B-1
F.	Traffic.....	18B-1
	Daily Workforce and Truck Deliveries .....	18B-1
	Construction Trip-Generation Projections .....	18B-2
	Construction Worker Modal Splits and Vehicle Occupancy.....	18B-2
	Peak-Hour, Construction-Worker Vehicle and Truck Trips .....	18B-2
G.	Parking .....	18B-4
H.	Transit .....	18B-4
I.	Pedestrians .....	18B-5
J.	Conclusion .....	18B-5
	Traffic.....	18B-5
	Parking .....	18B-5
	Transit .....	18B-6
	Pedestrians.....	18B-6
<b>18C:</b>	<b>Construction—Air Quality Impact Assessment.....</b>	<b>18C-1</b>
K.	Introduction .....	18C-1
L.	Regulatory Context .....	18C-1
M.	Overview of Air Quality Emissions During Project Construction.....	18C-2
	Conformity With State Implementation Plans .....	18C-2
N.	Emissions Reduction Measures.....	18C-3
O.	Conclusion .....	18C-4
<b>18D:</b>	<b>Construction—Noise Impact Assessment.....</b>	<b>18D-1</b>
P.	Introduction .....	18D-1
Q.	Construction Noise Analysis Fundamentals .....	18D-1
R.	Construction Noise Impact Criteria.....	18D-2
S.	Construction Noise Analysis.....	18D-3
	Methodology .....	18D-3
	Noise Receptor Locations .....	18D-3
	Noise Reduction Measures.....	18D-4
	Mobile Source Construction Noise Analysis .....	18D-5
	On-Site Construction Noise Analysis.....	18D-5
<b>18E:</b>	<b>Construction—Other Technical Areas Impact Assessment.....</b>	<b>18E-1</b>
T.	Vibration .....	18E-1
U.	Land Use and Neighborhood Character .....	18E-1
V.	Socioeconomic Conditions.....	18E-2
W.	Community Facilities .....	18E-2
X.	Open Space.....	18E-2
Y.	Historic and Cultural Resources.....	18E-3

**Lambert Houses**

---

Z. Hazardous Materials ..... 18E-3

AA. Natural Resources..... 18E-4

    Groundwater ..... 18E-4

    Floodplains ..... 18E-4

    Wetlands ..... 18E-4

    Aquatic Resources ..... 18E-4

    Terrestrial Resources ..... 18E-4

    Threatened, Endangered, and Special Concern Species ..... 18E-5

**19: Environmental Justice ..... 19-1**

    A. Introduction and Background ..... 19-1

    B. Methodology..... 19-1

        CEQ Guidance ..... 19-2

        Methodology Used for This Assessment ..... 19-2

    C. Minority and Low-Income Populations in the Study Area..... 19-3

    D. Public Participation ..... 19-4

    E. Environmental Effects ..... 19-5

        Summary of Benefits ..... 19-5

        Summary of Project Components Related to the Environment ..... 19-6

        Summary of Potential Significant Adverse Impacts ..... 19-7

        Other Effects..... 19-7

    F. Analysis of Potential for Disproportionately High and Adverse Effects..... 19-8

        Public Schools ..... 19-8

        Shadows..... 19-9

        Traffic ..... 19-10

        Pedestrians ..... 19-10

    G. Conclusion..... 19-10

**20: Alternatives..... 20-1**

    A. Introduction ..... 20-1

    B. No Action Alternative ..... 20-1

        Description of the No Action Alternative ..... 20-1

        No Action Alternative Compared With the Proposed Project..... 20-1

    C. No School Alternative ..... 20-7

        Description of the No School Alternative..... 20-7

        No School Alternative Compared With the Proposed Project..... 20-7

        Conclusion ..... 20-12

    D. No Unmitigated Significant Impacts Alternative ..... 20-12

        Introduction ..... 20-12

        Public Schools ..... 20-12

        Shadows..... 20-13

        Transportation..... 20-13

**21: Mitigation..... 21-1**

    A. Introduction ..... 21-1

    B. Schools ..... 21-1

        Elementary Schools ..... 21-1

        Intermediate Schools ..... 21-2

High Schools .....	21-3
C. Shadows .....	21-3
D. Transportation .....	21-4
Introduction .....	21-4
Transportation .....	21-4
<b>22: Unavoidable Adverse Impacts.....</b>	<b>22-1</b>
A. Introduction.....	22-1
B. Schools.....	22-1
Elementary Schools.....	22-1
Intermediate Schools.....	22-1
C. Shadows .....	22-2
D. Transportation .....	22-2
<b>23: Growth-Inducing Aspects of the Proposed Project .....</b>	<b>23-1</b>
<b>24: Irreversible and Irretrievable Commitments of Resources.....</b>	<b>24-1</b>
<b>25: Cumulative Effects .....</b>	<b>25-1</b>
A. Introduction.....	25-1
B. Summary of Cumulative Effects.....	25-1
<b>Response to Comments.....</b>	<b>26-1</b>

**LIST OF APPENDICES**

Appendix 1: Zoning Text Amendment
Appendix 2: WRP Consistency Assessment Form
Appendix 7: Historic Resources Correspondence
Appendix 9: Natural Resources
Appendix 12: Transportation [TO COME]
Appendix 21: Mitigation [TO COME]
Appendix 26: Comments on the DEIS

## List of Tables

---

S-1	Preliminary Construction Schedule.....	S-5
S-2	Proposed Project.....	S-6
S-3	Proposed Project.....	S-8
S-4	Summary of Significant Adverse Traffic Impacts .....	S-15
S-5	Summary of Significant Adverse Pedestrian Impacts .....	S-16
S-6	Summary of High Accident Locations .....	S-16
1-1	Preliminary Construction Schedule.....	1-6
1-2	Proposed Project.....	1-7
1-3	Proposed Project.....	1-10
2-1	Zoning Districts in the Study Area.....	2-4
3-1	Median Household Income (1999, 2009–2013).....	3-5
3-2	Household Income Distribution (1999, 2009–2013).....	3-6
4-1	Preliminary Screening Analysis Criteria: Bronx.....	4-2
4-2	Public Schools Serving the Study Area, Enrollment and Capacity Data, 2014-2015 School Year .....	4-4
4-3	Projected Estimated Number of New Students Introduced By Development in the No Action Condition.....	4-5
4-4	Estimated Public School Enrollment, Capacity, and Utilization: Future With the Proposed Project (Without Proposed School).....	4-7
4-5	Estimated Public School Enrollment, Capacity, and Utilization: Future With the Proposed Project (With Proposed School).....	4-7
4-6	Public Libraries Serving the Proposed Project.....	4-10
4-7	Future Without the Proposed Project: Catchment Area Population.....	4-10
4-8	Future With the Proposed Project: Catchment Area Population.....	4-11
4-9	Publicly Funded Child Care Facilities Serving the Study Area .....	4-13
4-10	Future With the Proposed Project: Estimated Public Child Care Facility Enrollment, Capacity, and Utilization .....	4-15
5-1	Existing Residential Population—2010 Census.....	5-4
5-2	Study Area Open Space Inventory .....	5-5
5-3	Existing Conditions: Adequacy of Open Space Resources.....	5-7
5-4	Future Without the Proposed Project: Adequacy of Open Space Resources .....	5-8
5-5	Future With the Proposed Project: Adequacy of Open Space Resources .....	5-9
5-6	Future With the Proposed Project: Open Space Ratios Summary .....	5-10
6-1	Incremental Shadow Durations .....	6-8

9-1	New York State Water Quality Standards by Use Class .....	9-6
9-2	Vegetation Identified Within the Development Site and Study Area.....	9-8
9-3	NYS Breeding Bird Atlas 2000-2005 for Block 5852d.....	9-10
9-4	New York State Herp Atlas Project (1990-1999) Central Park USGS Quadrangle.....	9-11
11-1	Existing Water Consumption and Sewage Generation .....	11-3
11-2	Existing Surface Coverage.....	11-4
11-3	Proposed Project Water Consumption and Sewage Generation .....	11-5
11-4	Proposed Project Surface Coverage.....	11-6
11-5	Dep Flow Volume Matrix: Existing and Build Volume Comparison.....	11-6
12-1	Future With and Without the Proposed Project .....	12-1
12-2	Summary of Significant Adverse Traffic Impacts .....	12-2
12-3	Summary of Significant Adverse Pedestrian Impacts.....	12-3
12-4	Summary of High Accident Locations .....	12-3
12-5	Travel Demand Assumptions.....	12-6
12-6	Trip Generation Summary: Proposed Project Incremental Trips.....	12-8
12-7	Traffic Level 2 Screening Analysis Results—Selected Analysis Locations .....	12-13
12-8	Pedestrian Level 2 Screening Analysis Results—Selected Analysis Locations.....	12-14
12-9	Level of Service Criteria for Signalized Intersections.....	12-15
12-10	Level of Service Criteria for Unsignalized Intersections.....	12-16
12-11	Level of Service Criteria for Subway Station Elements .....	12-17
12-12	Significant Impact Guidance for Stairs and Passageways .....	12-18
12-13	Level of Service Criteria for Pedestrian Elements.....	12-20
12-14	Significant Impact Guidance for Sidewalks.....	12-21
12-15	Significant Impact Guidance for Corners and Crosswalks .....	12-22
12-16	Summary of 2014 Existing Traffic Analysis Results.....	12-25
12-17	2014 Existing Conditions Level of Service Analysis Signalized Intersections.....	12-26
12-17	2014 Existing Conditions Level of Service Analysis Signalized Intersections.....	12-27
12-18	2014 Existing Conditions Level of Service Analysis Unsignalized Intersections.....	12-27
12-19	No Build Projects Expected to Be Complete By 2029 .....	12-29
12-20	Summary of 2029 No Action Traffic Analysis Results .....	12-31
12-21	2014 Existing and 2029 No Action Conditions Level of Service Analysis Signalized Intersections.....	12-32
12-22	2014 Existing and 2029 No Action Conditions Level of Service Analysis Unsignalized Intersections.....	12-33
12-23	Summary of 2029 With Action Traffic Analysis Results .....	12-35

## Lambert Houses

---

12-24	2029 No Action and 2029 With Action Conditions Level of Service Analysis Signalized Intersections .....	12-35
12-25	2029 No Action and 2029 With Action Conditions Level of Service Analysis Unsignalized Intersections .....	12-37
12-26	NYCT Local Bus Routes Serving the Study Area .....	12-40
12-27	2014 Existing Conditions Subway Platform Stair Analysis West Farms Square – East Tremont Avenue Station.....	12-41
12-28	2014 Existing Conditions Free-Zone Stair Analysis West Farms Square – East Tremont Avenue Station.....	12-41
12-29	2014 Existing Conditions Subway Fare Array Analysis West Farms Square – East Tremont Avenue Station .....	12-41
12-30	2029 No Action Condition Subway Platform Stair Analysis West Farms Square – East Tremont Avenue Station .....	12-42
12-31	2029 No Action Condition Free-Zone Stair Analysis West Farms Square – East Tremont Avenue Station.....	12-42
12-32	2029 No Action Condition Subway Fare Array Analysis West Farms Square – East Tremont Avenue Station .....	12-43
12-33	2029 With Action Conditions Subway Platform Stair Analysis West Farms Square – East Tremont Avenue Station.....	12-43
12-34	2029 With Action Conditions Free-Zone Stair Analysis West Farms Square – East Tremont Avenue Station.....	12-44
12-35	2029 With Action Condition Subway Fare Array Analysis West Farms Square – East Tremont Avenue Station .....	12-44
12-36	2014 Existing Conditions: Peak Hour Subway Line Haul.....	12-45
12-37	2029 No Action Condition: Peak Hour Subway Line Haul .....	12-45
12-38	2029 With Action Condition: Peak Hour Subway Line Haul .....	12-47
12-39	Summary of 2014 Existing Conditions Pedestrian Analysis Results.....	12-48
12-40	2014 Existing Conditions: Sidewalk Analysis .....	12-48
12-41	2014 Existing Conditions: Corner Analysis.....	12-49
12-42	2014 Existing Conditions: Crosswalk Analysis .....	12-50
12-43	Summary of 2029 No Action Conditions Pedestrian Analysis Results .....	12-51
12-44	2029 No Action Conditions: Sidewalk Analysis.....	12-52
12-45	2029 No Action Conditions: Corner Analysis .....	12-53
12-46	2029 No Action Conditions: Crosswalk Analysis.....	12-53
12-47	Summary of 2029 With Action Conditions Pedestrian Analysis Results .....	12-55
12-48	2029 With Action Conditions: Sidewalk Analysis.....	12-55
12-49	2029 With Action Conditions: Corner Analysis .....	12-56
12-50	2029 With Action Conditions: Crosswalk Analysis.....	12-57
12-51	Accident Summary .....	12-59
12-52	Vehicle and Pedestrian Accident Details .....	12-60
12-53	On-Street Parking Regulations.....	12-62

12-54	2014 Existing Off-Street Parking Utilization—1/4-Mile Study Area.....	12-63
12-55	2014 Existing and 2029 No Action Parking Supply and Utilization .....	12-64
12-56	Proposed Project Incremental Parking Demand .....	12-65
12-57	2029 No Action and With Action Parking Supply and Utilization.....	12-66
13-1	National Ambient Air Quality Standards (NAAQS) .....	13-5
13-2	Maximum Background Pollutant Concentrations for Mobile Source Sites ( $\mu\text{g}/\text{m}^3$ ).....	13-10
13-3	Mobile Source Analysis Intersections .....	13-11
13-4	Boiler Stack Parameters and Emission Rates .....	13-13
13-5	Maximum Background Pollutant Concentrations for Stationary Source Analysis.....	13-15
13-6	Stack Parameters and Emission Rates from the NYCT West Farms Bus Depot .....	13-16
13-7	Representative Monitored Ambient Air Quality Data .....	13-17
13-8	Maximum Predicted 8-Hour Average No Action Co Concentrations .....	13-17
13-9	Maximum Predicted 24-Hour Average $\text{PM}_{10}$ No Action Concentrations ( $\mu\text{g}/\text{m}^3$ )....	13-18
13-10	Maximum Predicted 8-Hour Average Co With-Action Concentrations (ppm) .....	13-18
13-11	Maximum Predicted 24-Hour Average $\text{PM}_{10}$ With-Action Concentrations ( $\mu\text{g}/\text{m}^3$ ).....	13-19
13-12	Maximum Predicted 24-Hour Average $\text{PM}_{2.5}$ Incremental Concentrations .....	13-19
13-13	Maximum Predicted Annual Average $\text{PM}_{2.5}$ Incremental Concentrations ( $\mu\text{g}/\text{m}^3$ )...	13-19
13-14	Future Maximum Modeled $\text{NO}_2$ and $\text{PM}_{10}$ Concentrations from the Proposed Project (in $\mu\text{g}/\text{m}^3$ ) .....	13-20
13-15	Future Maximum Predicted $\text{PM}_{2.5}$ Concentrations from the Proposed Project (in $\mu\text{g}/\text{m}^3$ ).....	13-20
13-16	Maximum Modeled Pollutant Concentrations from the NYCT West Farms Bus Depot on the Proposed Project ( $\mu\text{g}/\text{m}^3$ ) .....	13-22
14-1	Global Warming Potential (GWP) for Major GHGs .....	14-2
14-2	Vehicle Miles Traveled Per Year.....	14-7
14-3	Annual Building Operational Emissions .....	14-7
14-4	Annual Mobile Source Emissions (Metric Tons $\text{CO}_2\text{e}$ ) .....	14-8
14-5	Summary of Annual GHG Emissions, 2021 (Metric Tons $\text{CO}_2\text{e}$ ).....	14-8
15-1	Common Noise Levels.....	15-1
15-2	Required Attenuation Values to Achieve Acceptable Interior Noise Levels.....	15-3
15-3	HUD Exterior Noise Standards.....	15-3
15-4	Existing Noise Levels (in dBA).....	15-5
15-5	Building Attenuation Requirements .....	15-6
18A-1	Summary of Primary Agency Construction Oversight.....	18A-2
18A-2	Preliminary Construction Schedule .....	18A-3
18B-1	Average Number of Daily Workers and Trucks By Year and Quarter.....	18B-2

**Lambert Houses**

---

18B-2	Peak Construction Vehicle Trip Projections .....	18B-3
18B-3	Comparison of Construction and Operational Peak Vehicle Trip Generation .....	18B-3
18C-1	Emissions from Construction Activities (Ton/Yr) .....	18B-3
18D-1	Typical Construction Equipment Noise Emission Levels (dBA) .....	18B-2
19-1	Environmental Justice Study Area Race and Poverty Data .....	19-4
20-1	Estimated Public School Enrollment, Capacity, and Utilization: No School Alternative .....	20-8
20-2	No School Alternative: Catchment Area Population .....	20-8
20-3	No School Alternative: Estimated Public Child Care Facility Enrollment, Capacity, and Utilization .....	20-9
20-4	No School Alternative: Adequacy of Open Space Resources .....	20-10
20-5	No School Alternative: Open Space Ratios Summary .....	20-10
20-6	Net Trip Difference Between the No School Alternative and the Proposed Project .....	20-11
20-7	Trip Generation Estimates for 360 Dwelling Units .....	20-13
21-T1	Summary of Significant Adverse Traffic Impacts .....	21-5
21-T2A	Recommended Mitigation Measures - Weekday AM Peak Hour .....	21-6
21-T2B	Recommended Mitigation Measures - Weekday Midday Peak Hour .....	21-6
21-T2C	Recommended Mitigation Measures - Weekday PM Peak Hour .....	21-6
21-T3A	2029 No Action, With Action, and Mitigation Conditions Level of Service Analysis Weekday Am Peak Hour - Signalized Intersections .....	21-7
21-T3B	2029 No Action, With Action, and Mitigation Conditions Level of Service Analysis Weekday Midday Peak Hour - Signalized Intersections .....	21-8
21-T3C	2029 No Action, With Action, and Mitigation Conditions Level of Service Analysis Weekday Pm Peak Hour - Signalized Intersections .....	21-9
21-T4	Summary of Significant Adverse Pedestrian Impacts .....	21-11
21-T5	2029 No Action, With Action, and Mitigation Conditions Pedestrian Level of Service Analysis .....	21-11

## List of Figures

---

*Following page:*

S-1	Development Site Location.....	S-2
S-2	Existing LSRD and Proposed Subdivision of LSRD.....	S-2
S-3	Existing and Proposed Zoning.....	S-4
S-4	Proposed Site Plan.....	S-6
S-5	Open Space Plan.....	S-6
S-6	Building Massing.....	S-6
S-7	Proposed Streetscape Elevation.....	S-6
S-8	Parcel 1 - Site Plan.....	S-6
S-9	Parcel 3 - Site Plan.....	S-8
S-10	Parcel 5 - Site Plan.....	S-8
S-11	Parcel 10 - Site Plan.....	S-8
1-1	Development Site Location.....	1-2
1-2	Existing LSRD and Proposed Subdivision of LSRD.....	1-4
1-3	Existing and Proposed Zoning.....	1-4
1-4	Proposed Site Plan.....	1-8
1-5	Open Space Plan.....	1-8
1-6	Building Massing.....	1-8
1-7	Proposed Streetscape Elevation.....	1-8
1-8	Parcel 1 - Site Plan.....	1-8
1-9	Parcel 3 - Site Plan.....	1-8
1-10	Parcel 5 - Site Plan.....	1-10
1-11	Parcel 10 - Site Plan.....	1-10
2-1	Existing Land Use.....	2-2
2-2	Existing Zoning.....	2-4
2-3	Coastal Zone Boundary.....	2-6
3-1	Socioeconomic Study Area.....	3-4
4-1	Public Schools Serving Study Area.....	4-2
4-2	Public Libraries Serving Study Area.....	4-10
4-3	Publicly Funded Child Care Centers and Head Start Facilities.....	4-12
5-1	Open Space Study Area and Open Space Resources.....	5-2
6-1	Tier 1 and Tier 2 Assessments.....	6-4
6-2	Tier 3 Assessment.....	6-4

**Lambert Houses**

---

6-3 Tier 3 Assessment ..... 6-4

6-4 3D Computer Model Overview ..... 6-6

6-5 December 21 - 9:00 AM..... 6-8

6-6 December 21 - 10:00 AM..... 6-8

6-7 December 21 - 11:00 AM..... 6-8

6-8 December 21 - 1:00 PM ..... 6-8

6-9 December 21 - 2:00 PM ..... 6-8

6-10 December 21 - 2:53 PM ..... 6-8

6-11 December 21 - View Southwest - 9:30 AM..... 6-8

6-12 December 21 - View Southwest - 10:30 AM..... 6-8

6-13 December 21 - View Southwest - 11:45 AM..... 6-8

6-14 December 21 - View Southwest - 12:15 PM..... 6-8

6-15 March 21 / Sept. 21 - 8:00 AM ..... 6-8

6-16 March 21 / Sept. 21 - 9:30 AM ..... 6-8

6-17 March 21 / Sept. 21 - 11:00 AM ..... 6-8

6-18 March 21 / Sept. 21 - 12:30 PM ..... 6-8

6-19 March 21 / Sept. 21 - 2:00 PM ..... 6-8

6-20 March 21 / Sept. 21 - 3:30 PM ..... 6-8

6-21 March 21 / Sept. 21 - 4:29 PM ..... 6-8

6-22 March 21 / Sept. 21 - View Southwest - 7:45 AM..... 6-8

6-23 March 21 / Sept. 21 - View Southwest - 8:45 AM..... 6-8

6-24 March 21 / Sept. 21 - View Southwest - 9:15 AM..... 6-8

6-25 March 21 / Sept. 21 - View Southwest - 9:45 AM..... 6-8

6-26 March 21 / Sept. 21 - View Southwest - 10:15 AM..... 6-8

6-27 May 6 / August 6 - 6:45 AM..... 6-8

6-28 May 6 / August 6 - 8:15 AM..... 6-8

6-29 May 6 / August 6 - 9:45 AM..... 6-8

6-30 May 6 / August 6 - 11:15 AM..... 6-8

6-31 May 6 / August 6 - 1:00 PM..... 6-8

6-32 May 6 / August 6 - 2:00 PM..... 6-8

6-33 May 6 / August 6 - 3:00 PM..... 6-8

6-34 May 6 / August 6 - 4:00 PM..... 6-8

6-35 May 6 / August 6 - 5:00 PM..... 6-8

6-36 May 6 / August 6 - View Southwest - 6:45 AM ..... 6-8

6-37 May 6 / August 6 - View Southwest - 7:15 AM ..... 6-8

6-38 May 6 / August 6 - View Southwest - 7:45 AM ..... 6-8

6-39 May 6 / August 6 - View Southwest - 8:30 AM ..... 6-8

6-40 May 6 / August 6 - View Southwest - 9:30 AM ..... 6-8

6-41 June 21 - 7:00 AM..... 6-8

**List of Figures**

---

6-42	June 21 - 8:30 AM .....	6-8
6-43	June 21 - 10:00 AM .....	6-8
6-44	June 21 - 11:30 AM .....	6-8
6-45	June 21 - 1:00 PM.....	6-8
6-46	June 21 - 2:00 PM.....	6-8
6-47	June 21 - 3:00 PM.....	6-8
6-48	June 21 - 4:00 PM.....	6-8
6-49	June 21 - 5:00 PM.....	6-8
6-50	June 21 - 6:00 PM.....	6-8
6-51	June 21 - View Southwest - 6:15 AM.....	6-8
6-52	June 21 - View Southwest - 6:45 AM.....	6-8
6-53	June 21 - View Southwest - 7:15 AM.....	6-8
6-54	June 21 - View Southwest - 8:30 AM.....	6-8
6-55	June 21 - View Southwest - 9:30 AM.....	6-8
6-56	December 21 -9:00 AM .....	6-8
6-57	December 21 - 10:00 AM .....	6-8
6-58	December 21 - 11:00 AM .....	6-8
6-59	December 21 - 1:00 PM.....	6-8
6-60	December 21 - 2:00 PM.....	6-8
6-61	December 21 - 2:53 PM.....	6-8
6-62	March 21 / Sept. 21 - 11:00 AM .....	6-8
6-63	March 21 / Sept. 21 - 12:30 PM.....	6-8
6-64	March 21 / Sept. 21 - 2:00 PM.....	6-8
6-65	March 21 / Sept. 21 - 3:30 PM.....	6-8
6-66	March 21 / Sept. 21 - 4:29 PM.....	6-8
6-67	May 6 / August 6 - 2:00 PM .....	6-8
6-68	May 6 / August 6 - 3:00 PM .....	6-8
6-69	May 6 / August 6 - 4:00 PM .....	6-8
6-70	May 6 / August 6 - 5:00 PM .....	6-8
6-71	June 21 - 3:00 PM.....	6-8
6-72	June 21 - 4:00 PM.....	6-8
6-73	June 21 - 5:00 PM.....	6-8
6-74	June 21 - 6:00 PM.....	6-8
7-1	Historic Resources Reference Map.....	7-4
7-2	Known Resources in Study Area .....	7-6
7-3	Known Resources in Study Area .....	7-8
7-4	Known Resources in Study Area .....	7-8
7-5	Known Resources in Study Area .....	7-8
8-1	Urban Design and Visual Resources Reference Map .....	8-2

**Lambert Houses**

---

8-2 Aerial Map ..... 8-2

8-3 Project Area Views..... 8-4

8-4 Project Area Views..... 8-4

8-5 Project Area Views..... 8-4

8-6 Project Area and Study Area Views..... 8-4

8-7 Study Area Views..... 8-6

8-8 Study Area Views..... 8-6

8-9 Study Area Views..... 8-6

8-10 Study Area Views..... 8-6

8-11 Study Area Views..... 8-6

8-12 Parcel 1 Waiver Plan ..... 8-8

8-13a Parcel 1 Sections ..... 8-8

8-13b Parcel 1 Sections ..... 8-8

8-13c Parcel 1 Sections ..... 8-8

8-13d Parcel 1 Sections ..... 8-8

8-14 Parcel 3 Waiver Plan ..... 8-8

8-15a Parcel 3 Sections ..... 8-8

8-15b Parcel 3 Sections ..... 8-8

8-15c Parcel 3 Sections ..... 8-8

8-16 Parcel 5 Waiver Plan ..... 8-10

8-17a Parcel 5 Sections ..... 8-10

8-17b Parcel 5 Sections ..... 8-10

8-18 Parcel 10 Waiver Plan ..... 8-10

8-19a Parcel 10 Sections ..... 8-10

8-19b Parcel 10 Sections ..... 8-10

9-1 FEMA Preliminary Flood Hazard Areas..... 9-6

9-2 NWI Wetlands..... 9-6

9-3 NYSDEC Tidal Wetlands ..... 9-6

12-1 Lambert Houses Redevelopment Plan ..... 12-2

12-2 Transit Map ..... 12-10

12-3 Proposed Project Incremental Vehicle Trips Weekday AM Peak Hour ..... 12-12

12-4 Proposed Project Incremental Vehicle Trips Weekday Midday Peak Hour ..... 12-12

12-5 Proposed Project Incremental Vehicle Trips Weekday PM Peak Hour ..... 12-12

12-6 Traffic Analysis Locations ..... 12-12

12-7 Proposed Project Incremental Pedestrian Trips Weekday AM Peak Hour ..... 12-14

12-8 Proposed Project Incremental Pedestrian Trips Weekday Midday Peak Hour ..... 12-14

12-9 Proposed Project Incremental Pedestrian Trips Weekday PM Peak Hour ..... 12-14

12-10 Pedestrian Study Area ..... 12-1

12-11 2014 Existing Traffic Volumes Weekday AM Peak Hour..... 12-24

**List of Figures**

---

12-12	2014 Existing Traffic Volumes Weekday Midday Peak Hour .....	12-24
12-13	2014 Existing Traffic Volumes Weekday PM Peak Hour .....	12-24
12-14	2029 No Build Projects .....	12-28
12-15	2029 No Action Traffic Volumes Weekday AM Peak Hour .....	12-30
12-16	2029 No Action Traffic Volumes Weekday Midday Peak Hour .....	12-30
12-17	2029 No Action Traffic Volumes Weekday PM Peak Hour .....	12-30
12-18	2029 With Action Traffic Volumes Weekday AM Peak Hour .....	12-34
12-19	2029 With Action Traffic Volumes Weekday Midday Peak Hour .....	12-34
12-20	2029 With Action Traffic Volumes Weekday PM Peak Hour .....	12-34
12-21	2014 Existing Pedestrian Volumes Weekday AM Peak Hour .....	12-48
12-22	2014 Existing Pedestrian Volumes Weekday Midday Peak Hour .....	12-48
12-23	2014 Existing Pedestrian Volumes Weekday PM Peak Hour .....	12-48
12-24	2029 No Action Pedestrian Volumes Weekday AM Peak Hour .....	12-50
12-25	2029 No Action Pedestrian Volumes Weekday Midday Peak Hour .....	12-50
12-26	2029 No Action Pedestrian Volumes Weekday PM Peak Hour .....	12-50
12-27	2029 With Action Pedestrian Volumes Weekday AM Peak Hour .....	12-54
12-28	2029 With Action Pedestrian Volumes Weekday Midday Peak Hour .....	12-54
12-29	2029 With Action Pedestrian Volumes Weekday PM Peak Hour .....	12-54
12-30	On-Street Parking Regulations .....	12-62
12-31	Off-Street Parking Locations .....	12-62
15-1	Noise Receptor Locations .....	15-4
18A-1a	Phasing Diagrams - Phase 1 and 2 .....	18A-2
18A-1b	Phasing Diagrams - Phase 3 and 4 .....	18A-2
18A-1c	Phasing Diagrams - Phase 5 .....	18A-2
18D-1	Noise Receptor Locations .....	18D-4
19-1	Environmental Justice Study Area .....	19-2
19-2	Environmental Justice Study Area Minority Population .....	19-4
19-3	Environmental Justice Study Area Low-Income Population .....	19-4

\*