

Proper Usage	Description
<b>A</b>	
A Division train	The type of NYCT subway used on all numbered routes (1, 2, 3, 4, 5, 6, 7, 9) and the Times Square shuttle (S). A Division cars are 8 feet, 9 inches wide and 51 feet, 4 inches long.
AASHTO	American Association of State Highway and Transportation Officials
ACM	Asbestos-containing material
ADA	American with Disabilities Act
ADA compliant	Designed/Constructed to comply with design standards established in the Americans with Disabilities Act.
ADF	Air Discharge Facilities
AFT	MTA “Arts for Transit” program.
AHMSS	Affordance-based Human Motion Synthesizing System
AMTRAK or Amtrak	A national railroad company. The railroad's official name is the National Railroad Passenger Corporation.
AMTRAK Cut	An open, below-street-level portion of the Amtrak Empire Line rail right-of-way that bisects the blocks in the Project Area between Ninth and Tenth Avenues from West 36th to West 39th Streets.
AM Peak Hour	The hour during the morning during which the largest number of commuters travel to work. In Manhattan, the AM peak hour is typically 8-9 AM.
AM Peak Period	The period during the morning during which the largest number of commuters travel to work. In Manhattan, the peak morning travel period is typically 6 AM to 10 AM.
ARC	Access to Region’s Core project. New Jersey Transit’s project to extend service from Penn Station to Secaucus, NJ.
AST	Above-ground storage tank
ATR	Automatic traffic recorder
Ambient air quality	A physical and chemical measure of the concentration of various pollutants in the outside air, usually determined over a specified time period (e.g., 1 hour, 8 hours).
Analysis Year(s)	2010 and 2025 – The two years for which the operations-related impacts of the Proposed Action are assessed.

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Aquifer	A consolidated or unconsolidated geologic unit or set of connected units that yields a significant quantity of water of suitable quality to wells or springs in economically usable amounts.
Authorization	A discretionary action taken by the City Planning Commission, usually after a 30-day informal referral to the affected community board. Generally, a resolution authorizing the action adopted by the Commission at a public meeting.
Avifauna	Birds, collectively or birds characterizing a period, region, or environment.

**B**

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BMP	Best Management Practices
BTU	British Thermal Units – a unit of heat [equal to the amount of energy necessary to raise the temperature of one pound of water by one degree Fahrenheit at the temperature of 39 degrees Fahrenheit].
B Division train	The type of NYCT subway used on all lettered routes except the Times Square shuttle (S) —i.e., A, B, C, D, E, F, G, J, L, M, N, Q, R,V, W, Z— and Franklin Shuttle (S). B Division cars are 10 feet wide and 60 or 75 feet long.
Bedrock	Consolidated rock at various depths beneath the Earth’s surface.
Benthic	Of, pertaining to, or living on or within the bottom of a body of water. Also known as benthonic.
Biota	The total assemblage of plants and animals in an area.
Block	A block is a tract of land bounded by streets or by a combination of streets, public parks, railroad rights-of-way, pierhead lines and airport boundaries.
Brackish water	Water with a salinity.
Building	A structure which has one or more floors and a roof and which is permanently affixed to the land.
Building envelope	The maximum contour of a building permitted by height and setback controls.
Bulk	The size and shape of a building, including heights and floor area, relative to the size of a lot.

**C**

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CAAA	Clean Air Act Amendments of 1990
CAL3QHC Model	Mathematical dispersion model for predicting ambient levels of air pollutants.
CBD	Central Business District
CCDC	Convention Center Development Corporation
CCOC	Convention Center Operating Corporation
CEOP	MTA-NYCT Construction Environmental Oversight Program

CEPP	The MTA-NYCT program to be designed and implemented as part of the No. 7 Subway project that incorporates measures to minimize and mitigate impacts and to follow applicable regulations during construction of the project. All contractors will be required to comply with the CEPP.
CEQR	New York City Environmental Quality Review
CERCLA	Comprehensive Environmental and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CEQR Technical Manual	City Environmental Quality Review Technical Manual. A document that provides procedural and analytical guidance for the completion of environmental reviews of projects within New York City.
CO	Carbon monoxide
CPC	City of New York City Planning Commission
CZMA	Coastal Zone Management Act
Caemmerer Yard	MTA-LIRR John D. Caemmerer West Side Yard – A rail yard located between Tenth Avenue and Route 9A, between West 33rd Street and West 30th Street. This rail yard provides storage and maintenance for the LIRR trains serving Penn Station.
Center island platform	A subway or train platform with tracks on both sides.
Certification	Determination made by the Department of City Planning that an application is complete, complies with specific sections of the Zoning Resolution, and is ready for the formal public review process (ULURP).  It is also a ministerial action taken by the City Planning Commission or its chairperson in accordance with certain provisions of the Zoning Resolution to achieve specific planning objectives.
CLASS	Centralized Local Accident Surveillance System developed by New York State Department of Transportation.
Coliform bacteria	Colon bacilli, or forms that resemble or are related to them.
Commercial building	Any building occupied only by commercial uses.
Commercial district	District designated by the letter C (i.e., C2-8, C6-4).
Commercial use	Any use listed in Use Groups 5 through 16 of the New York City Zoning Resolution.
Community facility building	Any building occupied by community facility use.
Community facility use	Any use listed in Use Groups 3 or 4, except open uses, of the New York City Zoning Resolution.
Contextual zoning	Zoning that regulates the height and bulk of new buildings, their setback from the street line, and their width along the street frontage, to conform with the character of the neighborhood.
Contaminant	Physical, chemical, biological, and radiological substances in water, air or soil. The term indicates that these substances may be harmful to human actions.

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Controlled blasting	A specialized construction technique used to excavate rock. Numerous small holes are drilled into the rock and small explosive charges are placed into the holes. The charges are detonated in a delayed sequence that precisely breaks the rock and minimizes unwanted vibration and noise effects.
Convention Center Corona Yard	Jacob K. Javits Exposition and Convention Center MTA-NYCT Corona Rail Yard and Maintenance facility – a rail yard in Corona, New York that provides storage and maintenance for the fleet of No. 7 Subway trains.
Cut-and-Cover	A method of excavation whereby construction takes place from ground surface. Once excavation reaches a certain depth, the open cut can be covered with a steel or concrete plate to enable traffic or pedestrians to traverse the excavation while construction proceeds below.

**D**

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dB	Decibel – The standard unit of noise measurement, which expresses the relative difference in energy between acoustic signals in terms of the common logarithm of the ratio between the signals.
dBA	Decibel A-weighted – A decibel corrected for the variation in frequency response of the human ear at commonly encountered noise levels.
DCAS	Department of City-Wide Administrative Services
DEIS	Draft Environmental Impact Statement
DEP	New York City Department of Environmental Protection
DGEIS	Draft Generic Environmental Impact Statement – A draft version of a type of EIS prepared to assess the environmental impacts of a program or plan having wide application such as new or significant changes to existing land use plans, development plans or zoning regulations.
DIB	District Improvement Bonus - Additional FAR that would be allowed in the Special Hudson Yards District in exchange for funding for infrastructure improvements.
DO	Dissolved oxygen
DSNY	New York City Department of Sanitation
Daylighting	A form of traffic management that involves daytime removal of parking, particularly during peak travel periods, for a short distance (typically 50 to 100 feet) in order to reduce congestion at an intersection approach.
De minimis criteria	The minimum incremental increase in 8-hour average carbon monoxide levels that constitutes a significant adverse air quality impact as defined by New York City.
Density	Density refers to the maximum number of dwelling units or zoning rooms permitted on a site. It is regulated by the minimum number of square feet of lot area required for each dwelling unit or zoning room.
Development	A development includes: a) the construction of a new building or other structure on a zoning lot; b) the relocation of an existing building to another lot; or c) the use of a tract of land for a new use.

Development rights (air rights)	Development rights generally refer to the maximum amount of floor area permissible on a zoning lot. The difference between the maximum permissible floor area and the built floor area on a zoning lot is called “unused development rights.” Unused development rights are often described as “air rights.”
Dewatering	The removal of groundwater by pumping so as to artificially depress the water table and avoid the difficulties associated with construction below the water table.
Draft Scoping Document	The draft version of the public document defining the Proposed Action and scope of environmental analysis for the DGEIS.
Drill-and-blast mining	A type of conventional mining, where small holes are drilled in a rock area, and explosives are inserted in each hole and detonated.
DSNY Maintenance Facility	New York City Department of Sanitation Truck Maintenance Facility and Garage
Dwell time	The duration when a train is fully stopped in a station to let passengers on and off.
Dwelling unit	Unit consisting of one or more rooms that contain lawful cooking and sanitary facilities in a residential building or residential portion of a building.

**E**

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EAF	SEQRA Environmental Assessment Form
EAS	CEQR Environmental Assessment Statement
EDC	New York City Economic Development Corporation
EJ	Environmental Justice
EIS	Environmental Impact Statement
EPBM	Earth-pressure-balance machine – a type of tunnel boring machine (TBM) used in soil.
ESDC	Empire State Development Corporation
E Designation	A zoning designation attached to the sites that would require mitigation of noise impacts or remediation of potential on-site hazardous materials prior to development.
Easement	The legal right to use a portion of another owner’s property. For example, an underground tunnel easement would give the permanent right for a subway tunnel to pass below private property.
East Side Access	The MTA LIRR project to provide direct access for LIRR riders to Grand Central Terminal via a new tunnel from Sunnyside, Queens.
Eastern Portion of Caemmerer Yard	The portion of Caemmerer Yard between Tenth and Eleventh Avenues, between West 33rd Street and West 30th Street.
Elevation	A straight-on view of the exterior face of a building on a vertical plane showing a building’s external components.
Eminent Domain	The right of a government to appropriate private property for public use, usually with compensation to the owner.

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Enlargement	A built addition to an existing building that increases the floor area of the building.
Estuary	A semi-enclosed coastal body of water that has a free connection with the open sea and within which sea water is measurably diluted with fresh water.
Existing Conditions	Characteristics of the primary study area for the year 2003.

**F**

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FAR	Floor-area ratio – The total floor area on a zoning lot divided by the area of that zoning lot. Each zoning district classification contains an FAR control which, when multiplied by the lot area of the zoning lot, produces the maximum floor area allowable on such lot.
FDNY	Fire Department of New York City
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FGEIS	Final Generic Environmental Impact Statement
FHWA	Federal Highway Administration
FIFRA	Federal, Insecticide, Fungicide, Rodenticide Act
FTA	Federal Transit Administration
Façade	The exterior of a building, usually pertaining to the front.
Fashion Center BID	Fashion Center Business Improvement District
Feeder bus routes	Routes on which most passengers have a common origin or destination.
Final Scoping Document	The final version of the public document defining the Proposed Action and the scope of environmental analysis for the GEIS.
Floating slab	The addition of a second floor slab that is isolated from the first slab by resilient elements that can be used to attenuate the transfer of vibration from a tunnel to the building above.
Floodplain	The lowlands adjoining the channel of a river, stream, or watercourse, or ocean, lake, or other body of water, which have been or may be inundated by floodwater (as established by the National Flood Insurance Act).
Floor area	The sum of the gross area of each floor of a building, excluding cellar space, floor space in open balconies, elevator or stair-bulkheads and, in most zoning districts, floor space used for accessory parking that is located less than 23 feet above curb level.
Flow capacity	The maximum amount of water any particular hydrogeologic environment can accept and transmit.
Footprint	The area of the ground occupied by a building.
Form	The shape or ground plan of a building.
Future With the Proposed Action	Projected conditions in the years 2010 and 2025 with the Proposed Action, which are described and analyzed in the GEIS.
Future Without the Proposed Action	Projected conditions in the years 2010 and 2025 without the Proposed Action, which are described and analyzed in the GEIS.

Future With the Proposed Action 2010	Conditions in the year 2010 with the Proposed Action, which are described and analyzed in the GEIS.
Future With the Proposed Action 2025	Conditions in the year 2025 with the Proposed Action, which are described and analyzed in the GEIS.
Future Without the Proposed Action 2010	Conditions in the year 2010 without the Proposed Action, which are described and analyzed in the GEIS.
Future Without the Proposed Action 2025	Conditions in the year 2025 without the Proposed Action, which are described and analyzed in the GEIS.

**G**

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GIS	Geographic Information System
Gpd	Gallons per day
GPO	General Post Office
gsf	Gross square feet
General Large-Scale Development	A development or enlargement for any uses permitted by the underlying zoning district regulations in commercial districts (except C1, C2, C3 and C4-1 districts) and in all manufacturing districts. The development must be on a tract of land in single ownership that is a least 1.5 acres and may include existing buildings.
Groundwater	Generally, all water beneath the land surface. Sometimes, it is more narrowly defined as phreatic water or water beneath the water table.
Guideline capacity	The capacity of a subway train using the NYCT guideline of three square feet per standing passenger. The guideline capacity for A Division trains is 1,110 for a 10-car train and 1,210 for an 11-car train. The guideline capacity for B Division trains ranges from 1,400 to 1,450.

**H**

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HCM	Highway Capacity Manual
HOV	High-occupancy vehicle – A vehicle carrying two or more passengers (for example, a bus, vanpool, or carpool). HOVs are encouraged as a means of decreasing vehicle miles traveled (VMTs). Also referred to as multi-occupancy vehicle (MOV).
HRPA	Hudson River Park Act
HRPT	Hudson River Park Trust
HUD	U.S. Department of Housing and Urban Development
HVAC	Heating, ventilation and air conditioning (systems)
Habitat	The part of the physical environment in which a plant or animal lives.

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Hazardous waste	A substance that is chemically reactive, ignitable, corrosive, or toxic, as defined under the federal Resource Conservation and Recovery Act.
Headway	The time interval between consecutive transit vehicles (subways or buses) that operate along the same route.
Hell’s Kitchen	Manhattan neighborhood bounded by West 42nd Street on the north, West 34th Street on the south, the Hudson River on the west and Ninth Avenue on the east. This neighborhood is the southern portion of Clinton.
High Line	The unused elevated rail right-of-way stretching from 33rd Street to Gansevoort Street between 10th Avenue and Route 9A.
Hudson Yards	The area of Manhattan bounded by the south side of West 43rd Street on the north, the east side of the West Side Highway on the west, the north side of West 24th Street on the south, and the west side of 8th Avenue on the east.

**I**

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ISC Model	Industrial Source Complex – A stationary Source Air Quality Dispersion Model.
ISO 14001	An internationally recognized environmental management system that provides organizations with a structured approach for managing environmental and regulatory responsibilities to improve overall environmental performance, including areas not subject to regulation.
ISTEA	Intermodal Surface Transportation Efficiency Act
ITS	Intelligent Transportation Systems
Incremental Shadow	The additional shadow a proposed building would cast, beyond the shadows cast by surrounding buildings.
InfoWorks	A sewer system hydraulic model that predicts the frequency and volume of combined sewer overflows within a Wastewater Pollution Control Plant drainage area.
Intermediate Station	Proposed new station serving the No. 7 Subway Extension located at approximately West 41st Street and Tenth Avenue.
Intermodal transfer	A transfer from one mode of transportation (such as auto, taxi, bus, and walking) to a different mode.

**J**

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**K**

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**L**

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L <sub>dn</sub>	An average sound level over an entire day where nighttime hours are weighted more than those during the daytime.
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L <sub>eq</sub>	Equivalent sound level, or an energy average sound level, usually specified over a period of time. This is the constant sound level that conveys the same sound energy as the actual time-varying sound in a given period.
L <sub>max</sub>	Maximum instantaneous sound level
LMDC	Lower Manhattan Development Corporation
LOS	Level of Service – A set of descriptive characteristics used to indicate the quality of transportation service provided, including characteristics that are quantifiable (e.g., frequency, travel time, vehicle delay). Levels of service are usually qualified with letter designations, ranging from “A” (LOS A) with the least amount of congestion to “F” (LOS F) with the greatest amount.
LPC	New York City Landmarks Preservation Commission
LRT	Light Rail Transit – Electrically-powered vehicles that operate on tracks on city streets and either share the roadway with autos or travel in separate rights-of-way.
LWRP	New York City Local Waterfront Revitalization Program
Land use	The activity occurring on land and within the structures that occupy it; e.g., residential, commercial, or industrial.
Landmark	Any building, structure, work of art, or object, any part of which is 30 years old or older, that has a special character or special historical or aesthetic interest or value as part of the development, heritage, or cultural characteristics of the City, state, or nation, and that has been designated a landmark pursuant to the New York City Landmarks Law.
Line haul capacity	The number of trains and their passenger capacity that pass through a given point in the system.
Littoral zone	All areas where water depths are shallower than 6 feet at mean low water.
Lot area	The area of a tract of land (zoning lot) in single ownership located within a block.
Lower Manhattan Access Study	An analysis initiated by the MTA in 1997 to examine transportation alternatives that would improve access from the New York City suburbs to Lower Manhattan.

**M**

MLW	Mean low water
MPO	Metropolitan Planning Organization – A federally mandated local planning organization that oversees the USDOT federal planning process and the distribution of federal highway and transit funds. MPOs are tasked by ISTEA and TEA-21 with overseeing their metropolitan area’s compliance with the National Ambient Air Quality Standards. NYMTC is the MPO for the New York metropolitan region.
MSG	Madison Square Garden
MSW	Municipal solid waste
MTA	Metropolitan Transportation Authority
MTA-LIRR	MTA Long Island Rail Road – A commuter railroad serving points east of Manhattan.

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MTA-NYCT	MTA New York City Transit
Manufacturing district	A District designated by the letter M (i.e., M1-5, M1-6).
Manufacturing use	Any use listed in Use Group 17 or 18 of the New York City Zoning Resolution.
Marine	Pertaining to the sea.
Maximum load point	The point on a bus or subway route where ridership is heaviest during a certain time period.
Maximum surge condition	The point at which the maximum number of pedestrians are in a particular crosswalk.
Midblock Park and Boulevard System	A proposed park and boulevard system in the midblocks between Tenth and Eleventh Avenues, extending from the public open space on the eastern portion of Caemmerer Yard to West 39th Street.
Midtown West	Manhattan neighborhood from 30th Street to 59th Street, from 5th Avenue west to Hudson River.
Mitigation	Measures designed to lessen or eliminate adverse impacts resulting from a proposed action.
Mobile source	Vehicular sources of air pollution and noise such as automobiles, trucks, and buses.
MOBILE5B	Vehicle emissions simulation model developed by the Environmental Protection Agency to predict gram per mile emissions of Hydrocarbons (HC), Carbon Monoxide (CO), Nitrogen Oxides (NO <sub>x</sub> ), Carbon Dioxide (CO <sub>2</sub> ), Particulate Matter (PM), and toxics from cars, trucks, and motorcycles under various conditions.
MTA Metro-North	MTA Metro-North Railroad – a commuter railroad serving points north of Manhattan.
Multi-Use Facility	The Multi-Use Sports, Exhibition and Entertainment Facility proposed above the western portion of Caemmerer Yard.
Municipal parking	Parking spaces available to the public within a facility (parking lot or garage) operated by or on behalf of the City of New York.

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**N**

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NAAQS	National and New York State Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
NHPA	National Historic Preservation Act
NHP	NYSDEC Natural Heritage Program
NJT	New Jersey Transit
NO <sub>2</sub>	Nitrogen oxide
NO <sub>x</sub>	Nitrogen oxides; a group of air pollutants that contribute to the formation of ozone.
NOAA	National Oceanic and Atmospheric Administration
NOSF	Net occupiable square feet

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NPL	National Priorities List
NYCPC	New York City Planning Commission
NYCDCP	New York City Department of City Planning
NYCDEP	New York City Department of Environmental Protection
NYCDOT	New York City Department of Transportation
NYC TCC	New York City Transportation Coordinating Committee
NYC WRP	New York City Waterfront Revitalization Program
NYPD	New York Police Department
NYMTC	New York Metropolitan Transportation Council
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYSDOS	New York State Department of State
NYSDOT	New York State Department of Transportation
NYSOPC	New York State Office of Planning Coordination
National Wetlands Inventory	Established by the U.S. Fish and Wildlife Service to generate information about the characteristics, extent and status of the nation’s wetlands and deepwater habitats. NWI maps show the location and classification of wetlands throughout New York State.
Natural Resources	A plant and animal species and any area capable of providing habitat for plant and animal species or capable of functioning to support ecological systems and maintain environmental balance.
No-Action Alternative	The Future Without the Proposed Action condition that assumes implementation of other unrelated planned projects and developments.
No. 7 Line Extension	The proposed extension of the No. 7 subway westward and southward from the Times Square Station into the Hudson Yards area.
Non-attainment area	The United States Environmental Protection Agency’s classification for an area or region where federal ambient air quality standards are not being met.

**O**

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OMB	New York City Office of Management and Budget
OPRHP	Office of Parks, Recreation and Historic Preservation
Off-peak period	The periods of the day that are not peak travel periods.
Open space	The part of a zoning lot, including courts or yards, which is open and unobstructed from its lowest level to the sky, and is accessible to the public at all times.
Ozone	An unstable form of oxygen formed by a photochemical reaction of atmospheric gases with solar ultraviolet radiation. Although a valuable component of the upper atmosphere, it is a harmful air pollutant in the lower atmosphere and contributes to the formation of smog.

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### **P**

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PAH	Polycyclic aromatic hydrocarbons
PANYNJ	Port Authority of New York and New Jersey
PATH	Port Authority Trans-Hudson – A commuter rail system between New Jersey and New York operated by the PANYNJ.
PCB	see: Polychlorinated biphenyl (PCBs)
PCPH	Passenger car equivalents per hour
PEL	Permissible Exposure Limit
PFM	Pedestrians per foot per minute
PM	Post Meridian
PM <sub>10</sub>	Particulate matter less than 10 microns in diameter.
PM <sub>2.5</sub>	Particulate matter of 2.5 microns or less. Particulates of this size show consistent and coherent associations with severe health effects.
ppm	Parts per million
PPM	Persons per minute
Park	Mapped open space under federal, state, or City jurisdiction.
Particulate matter	Airborne particles consisting of a variety of materials such as dust, soot, and aerosols.
Peak Load	Highest peak hour passenger count divided by the number of subways/buses during that period.
Penn Station	Pennsylvania Station
Person-year	The equivalent of one employee working full-time for one year.
Phase I Archaeological Resources Assessment	An initial level of survey, carried out to evaluate the overall sensitivity of the project area for the presence of archaeological resources.
Phase I Environmental Site Assessment	This site assessment is conducted by examining local, state, and federal records to determine if the potential for environmental conditions exist. The site is also inspected and interviews are conducted with the owners and occupants of the property. All findings are reported to help determine if a further inspection is necessary.
Phase II Environmental Site Assessment	The Phase II assessment is conducted with soil, soil gas, and groundwater samples taken from monitoring wells and borings. Testing these samples provides a comprehensive analysis of environmental conditions on the property and may indicate contaminants in the area.
Phytoplankton	Planktonic plant life.
Plankton	Passively floating or weakly motile aquatic plants and animals.
Plaza	An open area accessible to the public at all times.
PM Peak Hour	The hour during the evening when the greatest number of people travel from work. In Manhattan, the PM peak hour is typically the afternoon rush hour, between 5-6 PM.
PM Peak Period	The period during the afternoon/evening during which the largest number of commuters travel from work. In Manhattan, the peak PM travel period is typically 4 PM to 7 PM.

Polychlorinated biphenyls (PCBs)	PCBs – A class of semivolatile organic compounds (SVOCs) that were commonly used in electrical equipment, especially transformers. Exposure to PCBs can pose long-term risks to wildlife and human health.
Polycyclic aromatic hydrocarbons (PAHs)	Polycyclic aromatic hydrocarbons (PAHs) are a class of Semivolatile Organic Compounds (SVOCs) associated with combustion (e.g., coal, ash, petroleum) and have historically been used as fill throughout New York City. Exposure to PAHs can pose long-term risks to human health.
Potable	Drinkable – Potable waters can be safely consumed.
Potential Development Sites	Development sites within the proposed rezoning area that are less likely to develop than the Projected Sites.
Predator	An animal that preys on other animals as a source of food.
Primary Study Area	The area generally bounded on the west by Hudson River, on the south by West 18th Street at the lower end of the Chelsea neighborhood, on the east by Seventh Avenue from West 18th Street to West 23rd Street, along West 23rd Street to Sixth Avenue, along Sixth Avenue to West 40th Street, along West 40th Street to Seventh Avenue, along Seventh Avenue to West 49th Street, and the north by West 49th Street.
Project Area	The area bounded to the west by Hudson River, the southern boundary is West 24th Street at the lower end of the Chelsea neighborhood, the eastern boundary is Tenth Avenue from West 24th Street to West 28th Street, along West 28th Street to Seventh Avenue, along Seventh Avenue to West 35th Street, along West 35th Street to Eighth Avenue, along Eighth Avenue to West 43rd Street. The northern boundary is at West 43rd Street.
Projected Development Sites	Those sites within the proposed rezoning area that are most likely to be developed to accommodate the entire 40-million-square-foot residential and office development. Full development on these sites is assumed under the Proposed Action.
Public parking	Parking spaces available to the public, rather than restricted to employees or patrons of specific local businesses, schools, or organizations.

**Q**

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Quill Bus Depot	The MTA - Michael Quill Bus Depot, currently located between West 40th and West 41st Streets, between Eleventh Avenue and Route 9A.
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**R**

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RCRA	Resource Conservation and Recovery Act (Notifiers List)
RIMS II	Regional Input-Output Modeling System
Railroad or transit air space	Space directly over a railroad or transit right-of-way or yard. After special review and under appropriate conditions and safeguards, development may be permitted in such space.
Reasonable Worst Case Development Scenario 2010	The collective development scenario, including all project elements of the Proposed Action, expected to occur by 2010 that would create the greatest level of significant environmental impacts.

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Reasonable Worst Case Development Scenario 2025	The collective development scenario, including all project elements of the Proposed Action, expected to occur by 2025 that would create the greatest level of significant environmental impacts.
Receptor site	A location chosen for analysis of air quality or noise. A receptor site is near, but not at, the source of air pollution or noise being analyzed.
Regional Transit Forecasting Model (RTFM)	MTA model to predict regional travel patterns and determine the travel modes used by the region's commuters.
Residence or residential	A residence is a building or part of a building containing dwelling units or rooming units, including one-family or two-family homes, multiple dwellings, boarding or rooming houses or apartment hotels.
Rezoning Area	The area within the Project Area, generally east of Eleventh Avenue, proposed to be rezoned under the Proposed Action.
Ridership Volume	Total number of passengers riding trains regardless of the seated capacities of the trains.
Right-of-way	A corridor of land acquired by reservation, dedication, prescription, or condemnation, and intended to be utilized as a road, rail line, utility service, buffer, or similar use.
Runoff	From precipitation running over the surface of the Earth, a component of stream flow.

## **S**

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SEL	Sound Exposure Level
SEQR	State Environmental Quality Review
SEQRA	State Environmental Quality Review Act
SPDES	New York State Pollutant Discharge Elimination System – SPDES is a state permit program under Article 17, Title 8, of the New York State Environmental Conservation Law which protects the state's waters from polluted discharges.
SHPO	State Historic Preservation Office, in New York State OPHRP
SIP	New York State Implementation Plan under the Clean Air Act
SO <sub>2</sub>	Sulfur dioxide
STIP	State Transportation Implementation Plan
SVOCs	Semi-volatile organic compound – Organic compounds that exhibit some evaporation under normal circumstances.
SWMPP	Storm Water Management Program Plan
Salinity	A measure of the total amount of dissolved salts in seawater. Typically reported as parts per thousand (ppt).
Scope of work	A document that identifies in detail all topics to be addressed in the EIS, including the methods for study, possible alternatives to the proposed action, and mitigation measures.
Scoping	The process followed to define the scope of an Environmental Impact Statement.

Scoping Meeting	The public meeting held June 5, 2003 to review the Draft Scoping Document of the DGEIS. Public comments received from this meeting were considered in drafting the Final Scoping Document and DGEIS.
Seated capacity	The maximum number of passengers that can be accommodated on trains or buses without exceeding the number of seats.
Secondary Study Area Section 197-a	All of Manhattan between 14th Street and 60th Street. A section of the New York City Charter that authorizes community boards and borough boards, as well as the mayor, the City Planning Commission, the Department of City Planning, and any borough president, to sponsor plans for the development, growth, and improvement of the city, its boroughs, and communities.
Setback	A recession or stepping back of a building's façade.
Shadow effect	Reduction in the strength of an ultra-high- frequency signal caused by some object (such as a mountain or a tall building) between the points of transmission and reception.
Sign (Advertising)	An advertising sign directs attention to a business, profession, commodity, service or entertainment conducted, sold, or offered elsewhere than upon the same zoning lot.
Sign (Business)	A business sign directs attention to a profession, business, commodity, service or entertainment conducted, sold, or offered upon the same zoning lot.
Sign (Flashing)	Any illuminated sign, whether stationary, revolving or rotating, which changes light or color.
Sign (Illuminated)	A sign using artificial light or reflected light from an artificial source.
Significant Adverse Impact	An unavoidable environmental impacts, as defined by the <i>CEQR Technical Manual</i> , generated by the Proposed Action for which reasonable mitigation is not available.
Sky exposure plane	A theoretical inclined plane, through which the height of a building may not penetrate, that is designed to provide light and air at street level in medium and higher density districts. It rises over the zoning lot at a ratio of vertical distance to horizontal distance set forth in district regulations.
Slurry wall	Retaining wall constructed by excavating a wall area and then filling it with a bentonite (clay-type) material to hold the ground in place and prevent water infiltration until final concrete is pumped into the trench to replace the bentonite and create the final retaining wall.
Soft site	A site where no particular development is planned or proposed, but where development can reasonably be expected to occur. For example, a property that is underbuilt with respect to its zoning in an area with high development demand.
Soil borings	Deep, cylindrical soil samples taken to ascertain geological conditions and often used to assist in the determination of whether archaeological resources or hazardous materials are found on the site.
Solid Waste	Useless, unwanted, or discarded solid material with insufficient liquid content to be free flowing, including rubbish, garbage, scrap materials, junk, refuse, and landscape refuse, but not sludge from air or water pollution control facilities, septic tank sludge, or agricultural waste.

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**No. 7 Subway Extension—Hudson Yards Rezoning and Development Program FGEIS**

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Special Hudson Yards District	A proposed new zoning district, generally bounded by Eleventh Avenue to the west, 41st Street to the north, Seventh and Eight Avenues to the east, and 28th Street and 30th Streets to the south. The District would include use, bulk, and urban design controls, and establish regulations for large-scale development and specific zoning districts. The Special District would be divided into six sub districts (A - Large Scale Plan, B - Farley Corridor, C - 34th Street Corridor, F - Hell’s Kitchen, D - Tenth Avenue Corridor, and E - Other Areas) differing from one another in their mix of uses and density.
Spoils	Rock and soil excavated during mining.
Staging area	An area near a construction site where certain construction activities (such as storage, delivery of materials, layover of equipment) occurs.
Story	The part of a building between the surface of one floor and the ceiling immediately above. However, a cellar does not count as a story.
Street	An road, street, highway, expressway, boulevard, parkway, avenue, alley or other public way, as shown on the City Map, or a way which is intended for public use and provides a principal means of approach for vehicles or pedestrians from a way shown on the City Map to a building or structure. Street refers to the public right-of-way (including public sidewalks).
Streetscape	The character and urban design features of a street or block, including such features as setbacks, architectural styles, and materials.
Street line	A lot line separating the street from a zoning lot.
Street wall	The wall or portion of a wall created by the front face of faces of a building or several buildings.
Stub-ended	Type of tracks that terminate in the station, requiring a train to reverse direction to exit the station.
Study area	The geographic area likely to be affected by the proposed action for a given technical area of analysis, or the area in which impacts of that type could occur. This is the area subject to assessment for that technical area.
Substation	A component of the electrical power distribution system at which high voltage power is converted to low voltage power
Substrate	The physical surface upon which an organism lives.
Substratum	The lower level of sediments in a fluvial fill, deposited by vertical accretion probably during a time of rising base levels. Commonly, the substratum fines upwards
Sunday Special Event Peak Period	A traffic analysis period, 4:00 PM – 5:00 PM, coinciding with departures from the proposed Multi-Use Facility for a Sunday afternoon football game
Sustainable Design	Design that meets the needs of the current generation without compromising the needs of future generations. The elements of sustainable design are energy efficiency, conserving resources and materials, indoor environmental quality, water conservation and site management, and full commissioning.

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**T**

TCA	Traffic control agent
TCLP	Toxicity Characteristics Leaching Procedure – A laboratory test used to determine the hazardous characteristics of a solid waste or soil.
TBM	Tunnel Boring Machine
TDFM	Transit Demand Forecasting Model – The NYCT model used to predict ridership on its transit network.
TRI	Toxic Release Inventory
TIP	Transportation Improvement Program
TNM2.5	A noise model that predicts noise levels based on traffic volumes, vehicle speeds, and distribution and classification of vehicles.
Terminal Station	The proposed station at the end of the No. 7 Subway Extension, to be located at approximately Eleventh Avenue and West 34th Street.
Third rail	An electric conductor rail located alongside the running rail from which power is supplied to the subway car by means of a sliding contact shoe attached to the truck of electric equipment
Throughput	The number of trains that can pass through a given point in a particular time.
Thrust block	A large piece of concrete fitted to the bend of a pipe to prevent the pipe from moving as water flows through it
Tide cycle	A period that includes a complete set of tide conditions or characteristics, such as a tidal day or a lunar month.
Time-space	The net area of a sidewalk’s corner (in square feet) multiplied by the cycle length and expressed as square feet per minute. Used to determine levels of pedestrian congestion.
Tow Pound	NYPD Manhattan Vehicle Tow Pound on Pier 76 (36th Street)
Transfer mobility	The measure of the efficiency of vibration transmission through the ground, offering a means of predicting train and construction-induced vibration levels in buildings prior to project construction.
Tribeca	Manhattan neighborhood south from Canal Street to Vesey Street. The eastern and western boundaries are Broadway and the Hudson River.
Truck Marshalling Yard	An area occupying the block between West 33rd and West 34th Streets between Eleventh and Twelfth Avenues used by trucks serving the Jacob Javits Convention Center.

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**U**

UDC	New York State Urban Development Corporation
ULURP	Uniform Land Use Review Procedure
URA	Urban Renewal Area
USACE	United States Army Corp of Engineers
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service

**No. 7 Subway Extension—Hudson Yards Rezoning and Development Program FGEIS**

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US OSHA	United States Occupational Safety and Health Administration
USPS	United States Post Office
UST	Underground Storage Tank
Unconfined	Refers to an aquifer that has a water table that has direct contact to the atmosphere (through the vadose zone).
Underpinning	A construction technique that involves placing new foundations under an existing building to allow construction to occur in the area of the original foundations.
Use	Any activity, occupation, business or operation carried on, or intended to be carried on, in a building or on a tract of land.
Use group	Uses that have similar functional and/or nuisance characteristics, as listed in the Zoning Resolution.

**V**

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v/c	Volume-to-capacity (ratio) – A measure used to determine the severity of crowding in a transportation system, in which volumes (the number of passengers or vehicles) are compared with capacities (the ability of such a system to carry travelers).
VMT	Vehicle Miles Traveled. The total number of miles traveled by motor vehicles for a given area and time period
VOC	Volatile Organic Compound
VPH	Vehicles per hour
v/svcd	Volume/service volume between LOS “C” and “D” capacity ratio: The breakpoint between LOS “C” and LOS “D” at a v/c ratio 1.00 has been established as the minimum acceptable standard for pedestrian conditions developed by MTA-NYCT for stairways, corridors, and passageways
Visual corridor	An open area (including streets) providing a continuous view from a public place of the sky or focal object, such as the waterfront. A visual corridor is generally linear and unobstructed from its base to the sky.

**W**

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WPCP	New York City Water Pollution Control Plan
WRP	Waterfront Revitalization Program
Waterfront Revitalization Program	New York City’s Local Waterfront Revitalization Program, adopted as a local plan in accordance with Section 197-a of the City Charter, which applies to all projects in a designated coastal zone.
Western Portion of Caemmerer Yard	The portion of Caemmerer Yard located between Eleventh and Twelfth Avenues between West 33rd Street and West 30th Street.
Weeknight Special Event Peak Period	8:00 PM – 9:00 PM to coincide with arrivals at the proposed Multi-Use Facility for a Monday night football game.
Wetland	An area characterized by a high content of soil moisture and/or hydrophytic vegetation such as a swamp or bog.

**X**

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**Y**

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**Z**

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Zoning lot	A tract of land, either unsubdivided or consisting of two or more contiguous lots of record, located within a block, which, at the time of filing for a building permit, is designated as a tract to be used, developed or built upon under single ownership.
Zoning maps	Maps that are included in the provisions of the Zoning Resolution to indicate the location and boundaries of zoning districts.
Zooplankton	Microscopic animals that move passively via currents in aquatic ecosystems.