I

1460 & 1480 Sheridan Boulevard
Construction Analysis - Supporting Documentation

LANGAN

I-1

1460 & 1480 Sheridan Boulevard
Construction Stages

LANGAN

1460 SHERIDAN EXPWY

BRONX, NY

DATE: 08/01/2022
JOB #: 15-54

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SITE 1
LOGISTICS
DEMOLITION

NEWMAN DESIGN

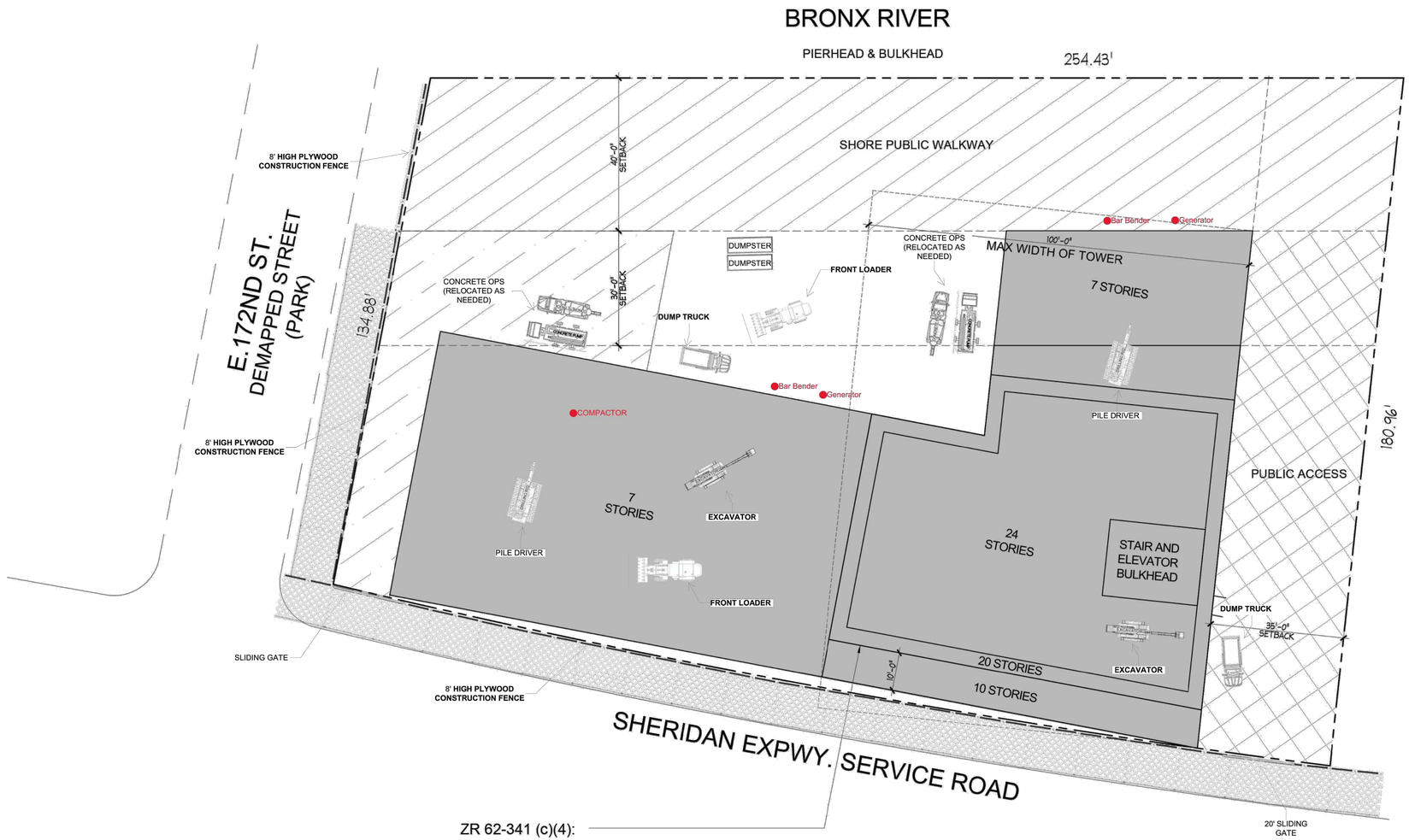
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210 West Rogues Path • Cold Spring Hills, NY 11743

1460 SHERIDAN EXPWY

BRONX, NY

DATE: 08/01/2022
JOB #: 15-54

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ZR 62-341 (c)(4):
7,000 SF MAX GROSS AREA AT EACH RESIDENTIAL STORY ENTIRELY ABOVE THE MAX BASE HEIGHT

SITE 1
LOGISTICS
EXCAVATION

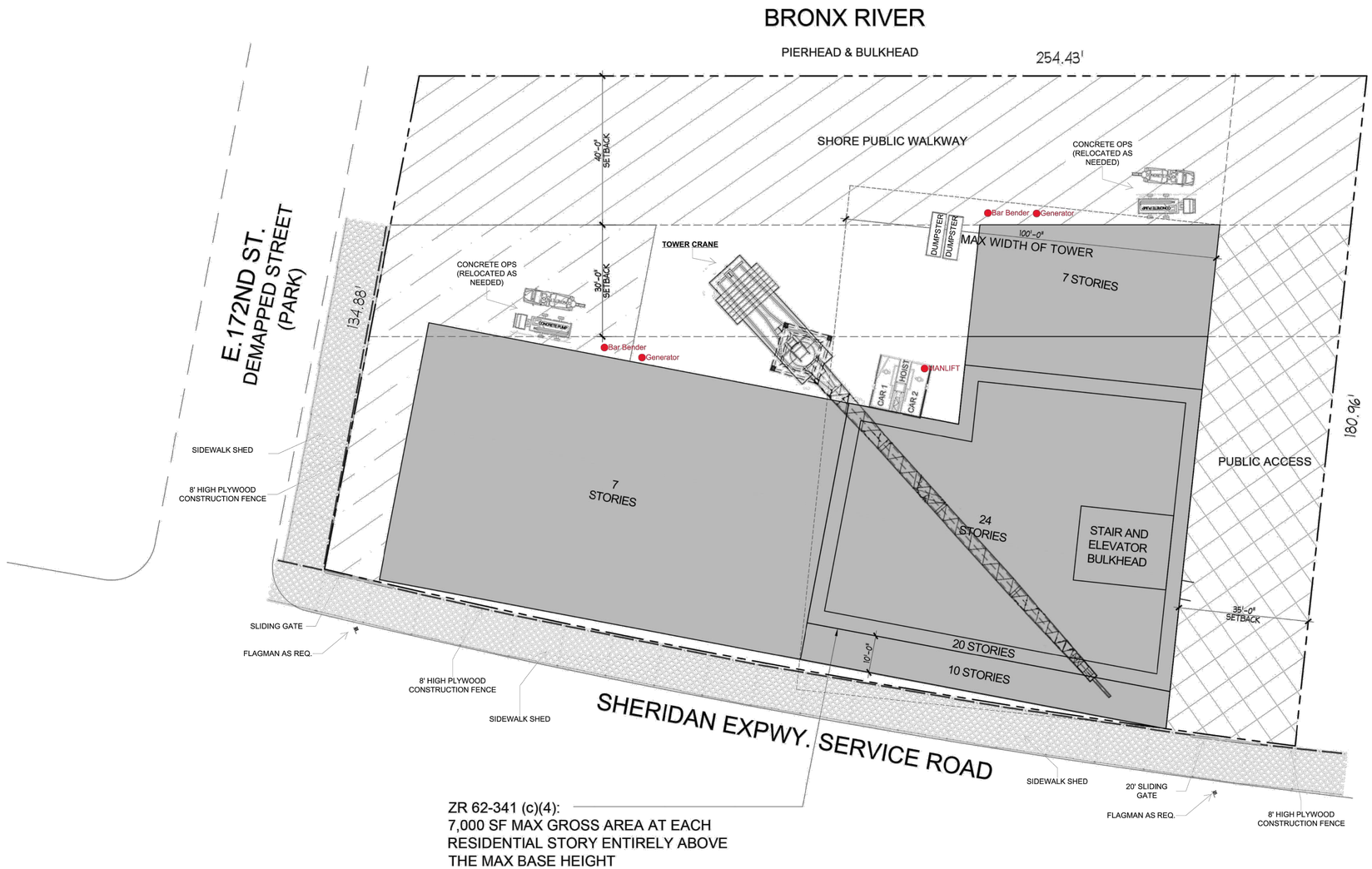
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ZR 62-341 (c)(4):
7,000 SF MAX GROSS AREA AT EACH RESIDENTIAL STORY ENTIRELY ABOVE THE MAX BASE HEIGHT

SITE 1
LOGISTICS
SUPERSTRUCTURE

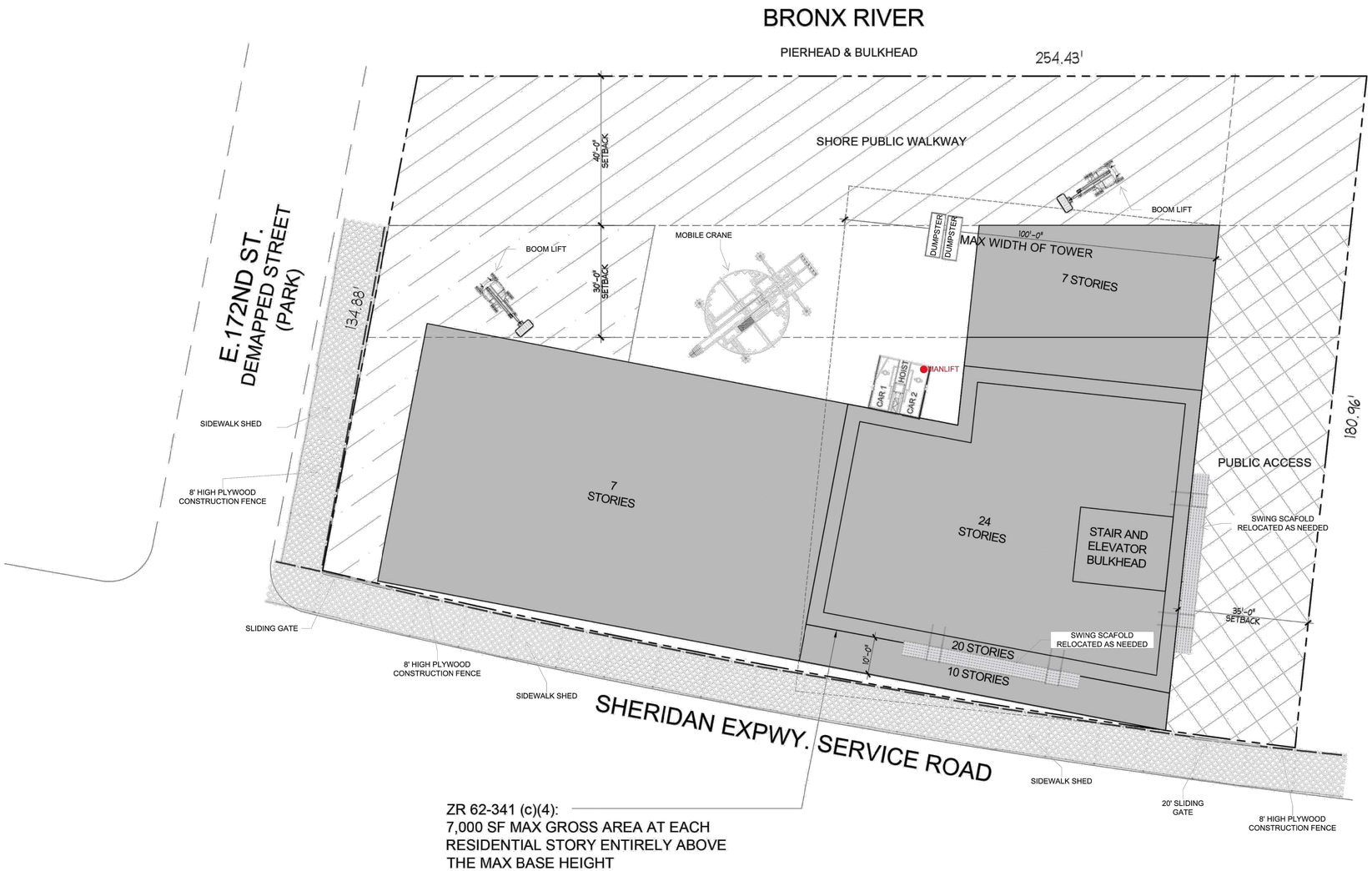
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ZR 62-341 (c)(4):
7,000 SF MAX GROSS AREA AT EACH RESIDENTIAL STORY ENTIRELY ABOVE THE MAX BASE HEIGHT

SITE 1
LOGISTICS
SUPERSTRUCTURE / ENVELOPE FACADE

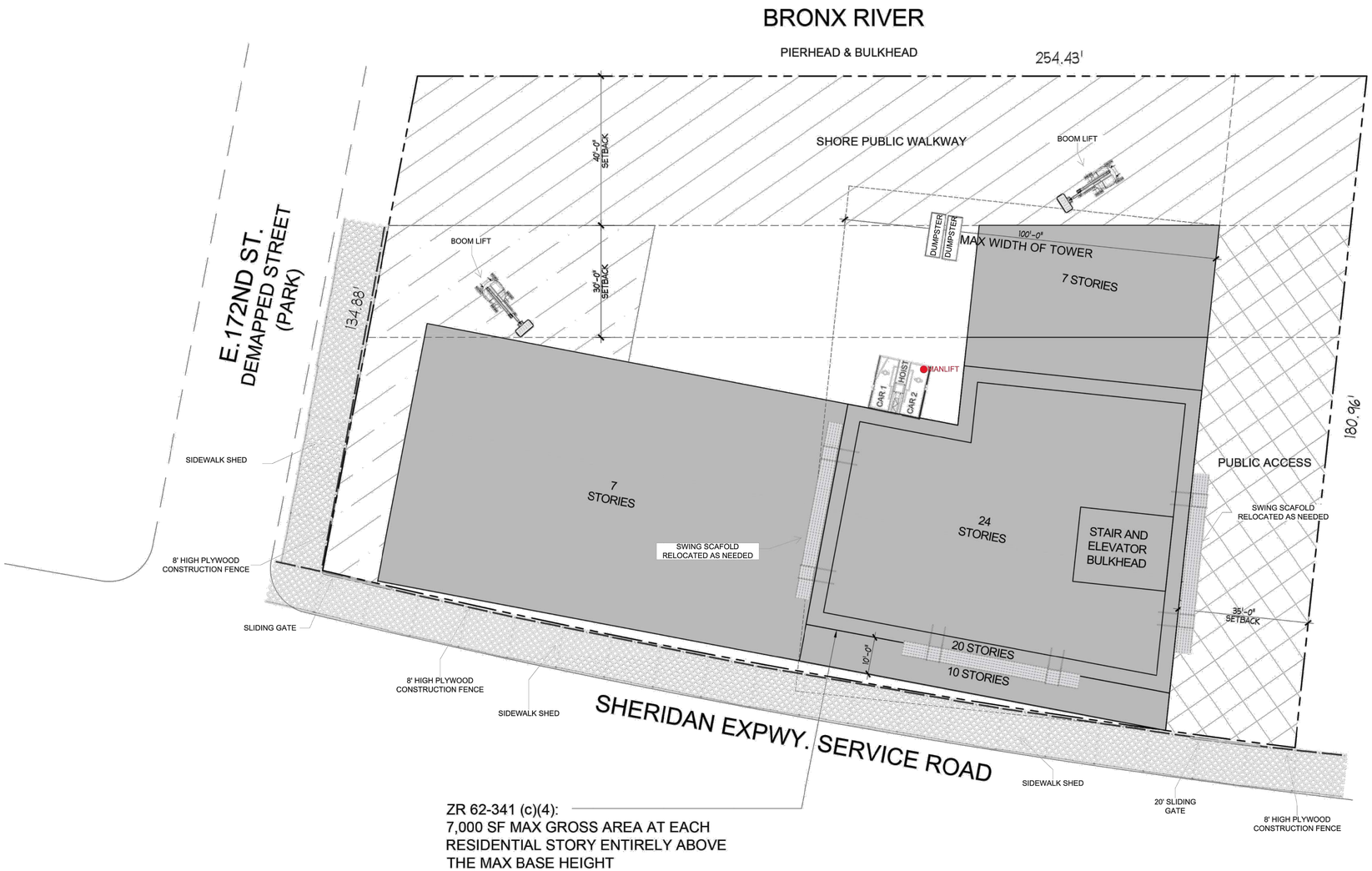
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ZR 62-341 (c)(4):
7,000 SF MAX GROSS AREA AT EACH RESIDENTIAL STORY ENTIRELY ABOVE THE MAX BASE HEIGHT

SITE 1
LOGISTICS
ENVELOPE FACADE / INTERIOR FITOUT

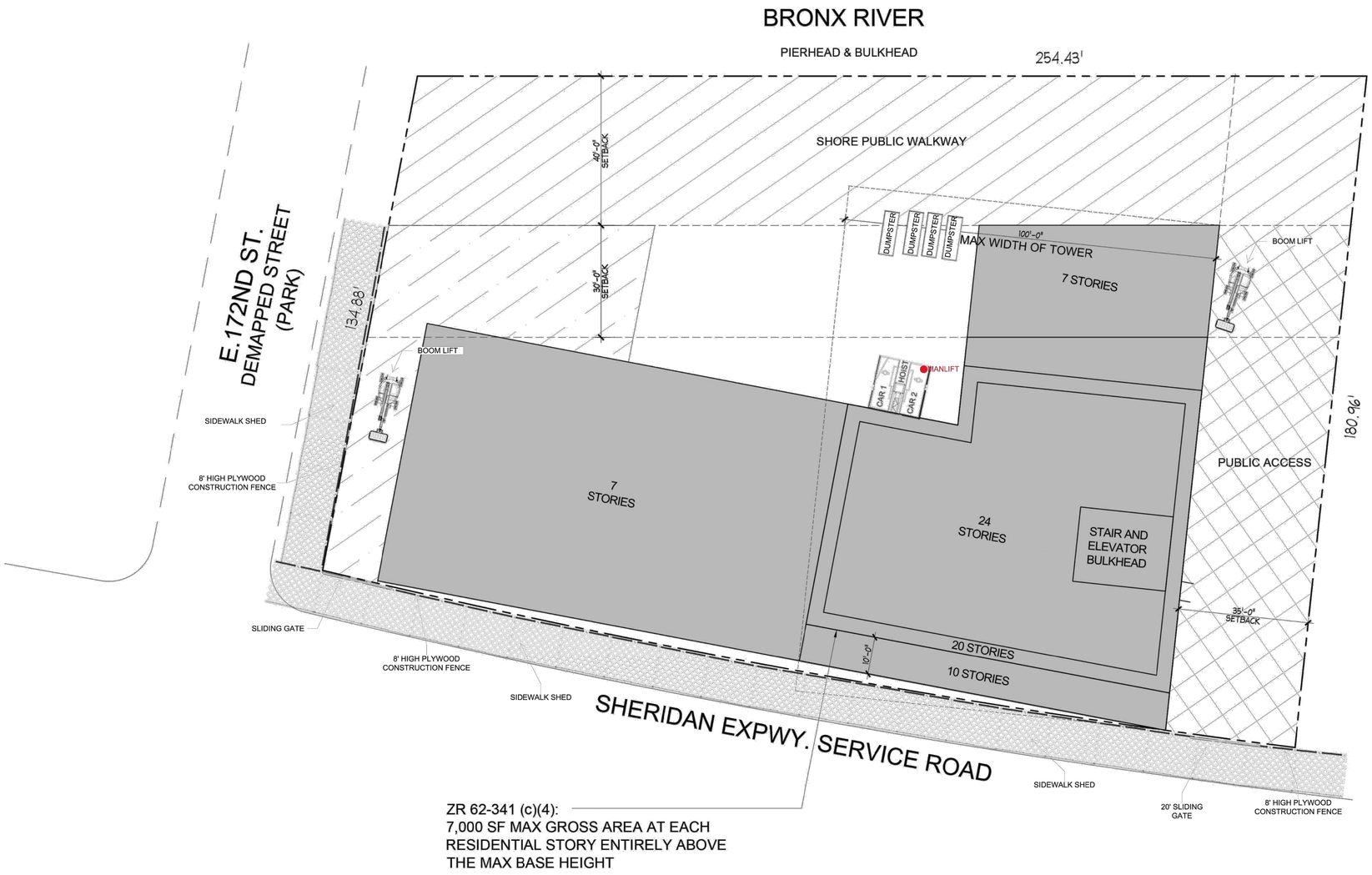
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ZR 62-341 (c)(4):
7,000 SF MAX GROSS AREA AT EACH RESIDENTIAL STORY ENTIRELY ABOVE THE MAX BASE HEIGHT

SITE 1
LOGISTICS
INTERIOR FITOUT

NEWMAN DESIGN
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1480 SHERIDAN EXPWY

BRONX, NY

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SITE 2
LOGISTICS
DEMO PHASE

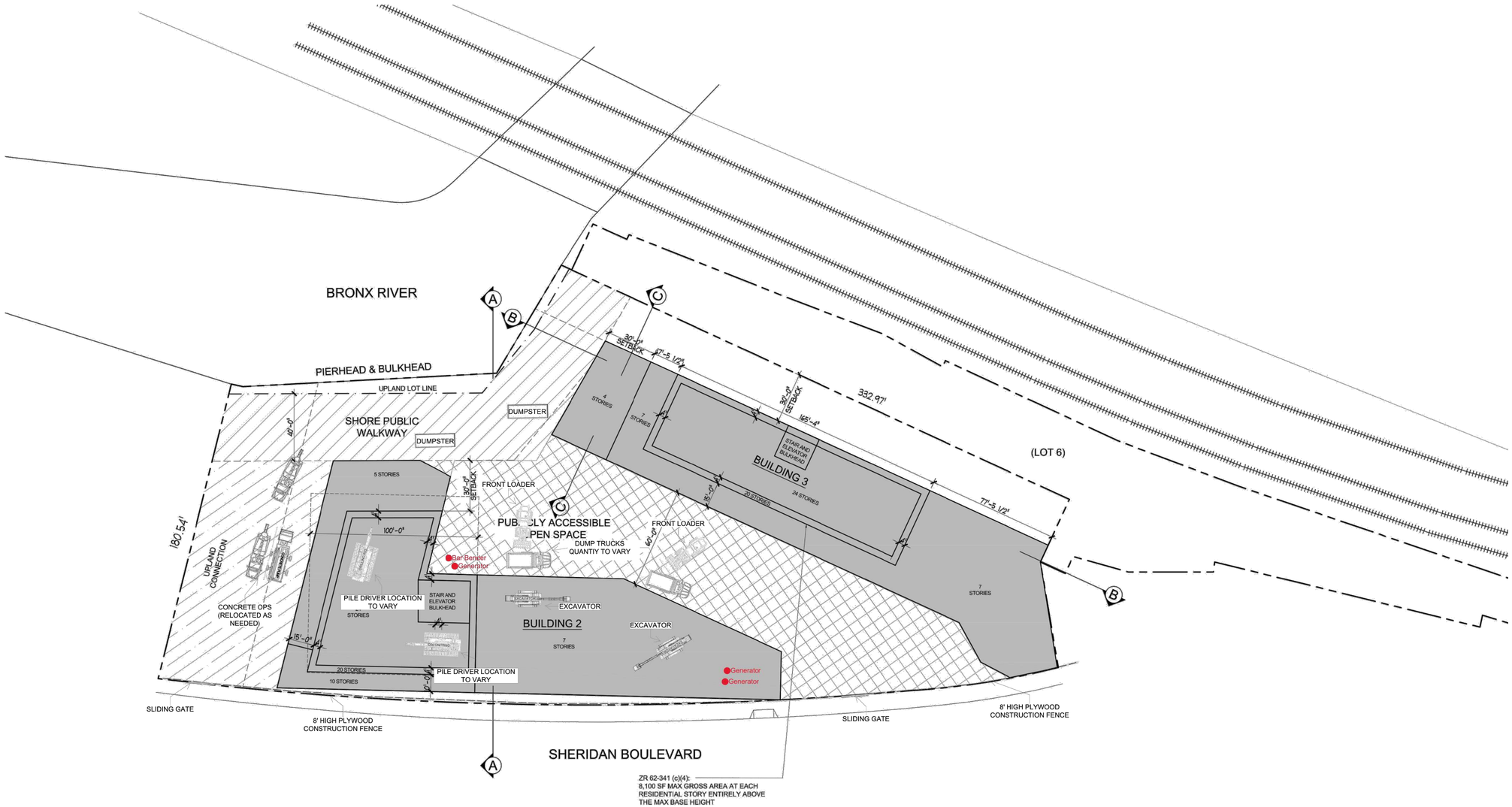
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SITE 2
LOGISTICS
EXCAVATION (BLDG 2)

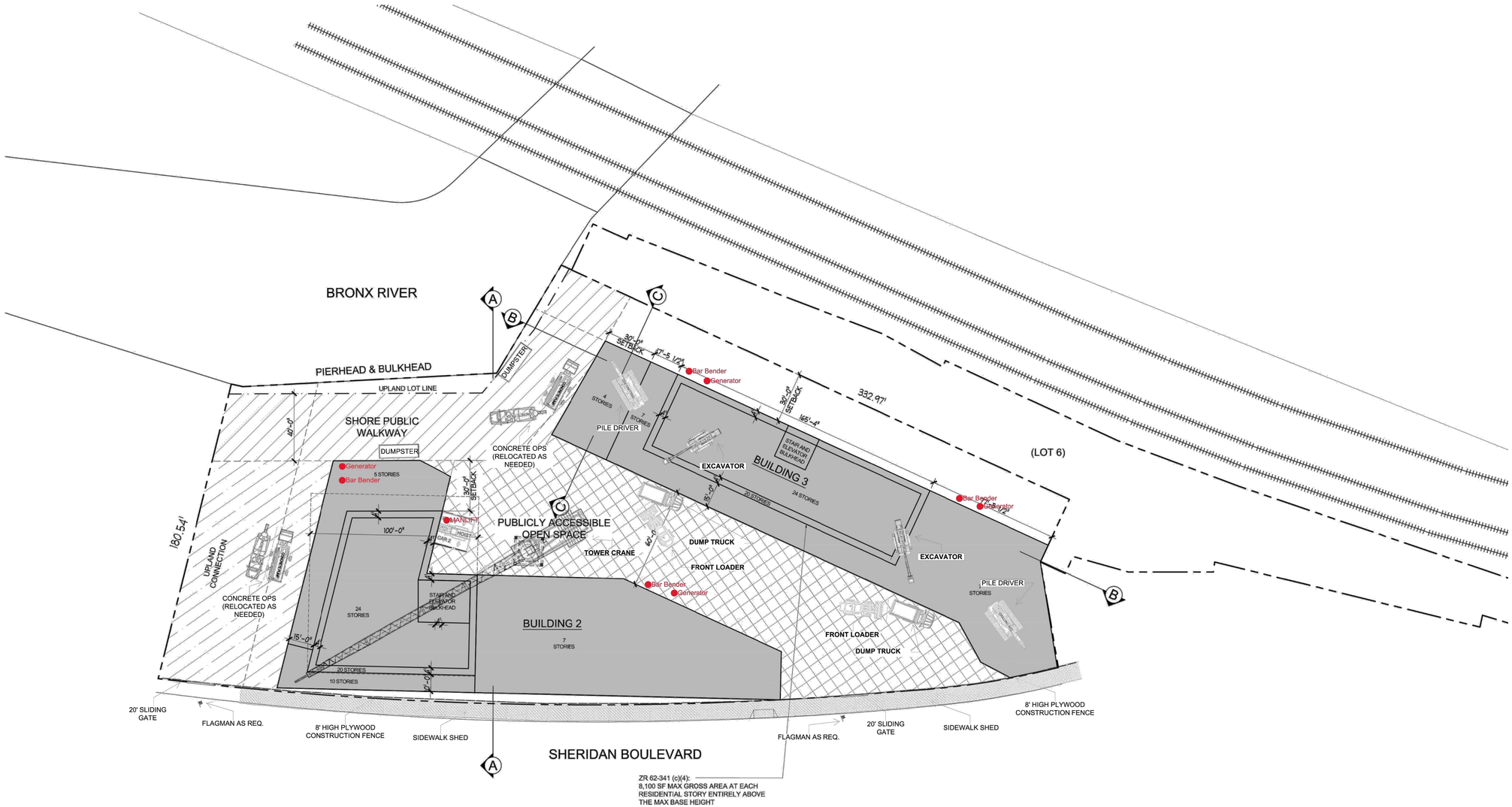
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SITE 2
LOGISTICS
SUPERSTRUCTURE (BLDG 2) / EXCAVATION (BLDG 3)

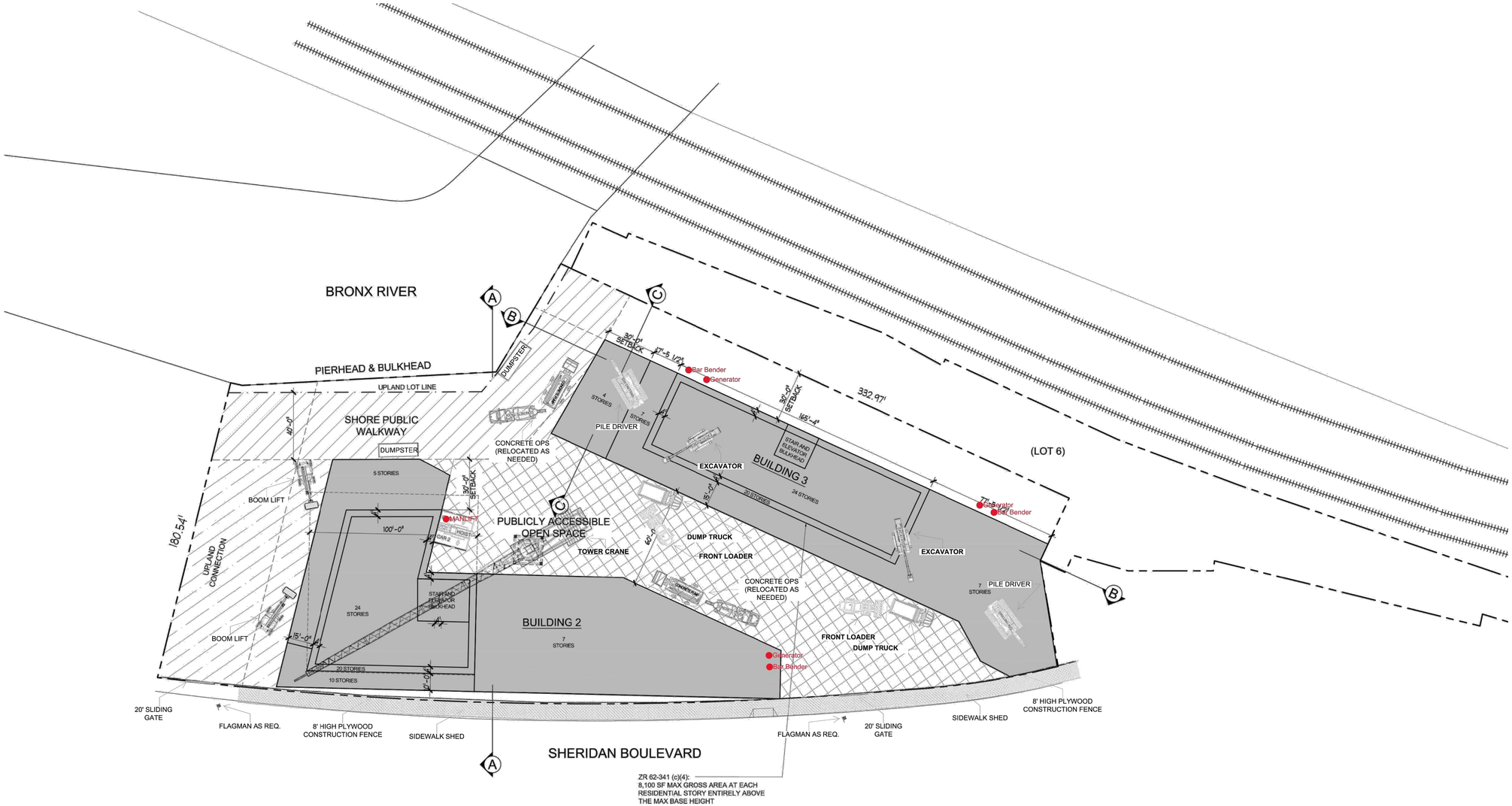
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SITE 2
LOGISTICS
SUPERSTRUCTURE/ ENVELOPE FACADE (BLDG 2) / EXCAVATION (BLDG 3)

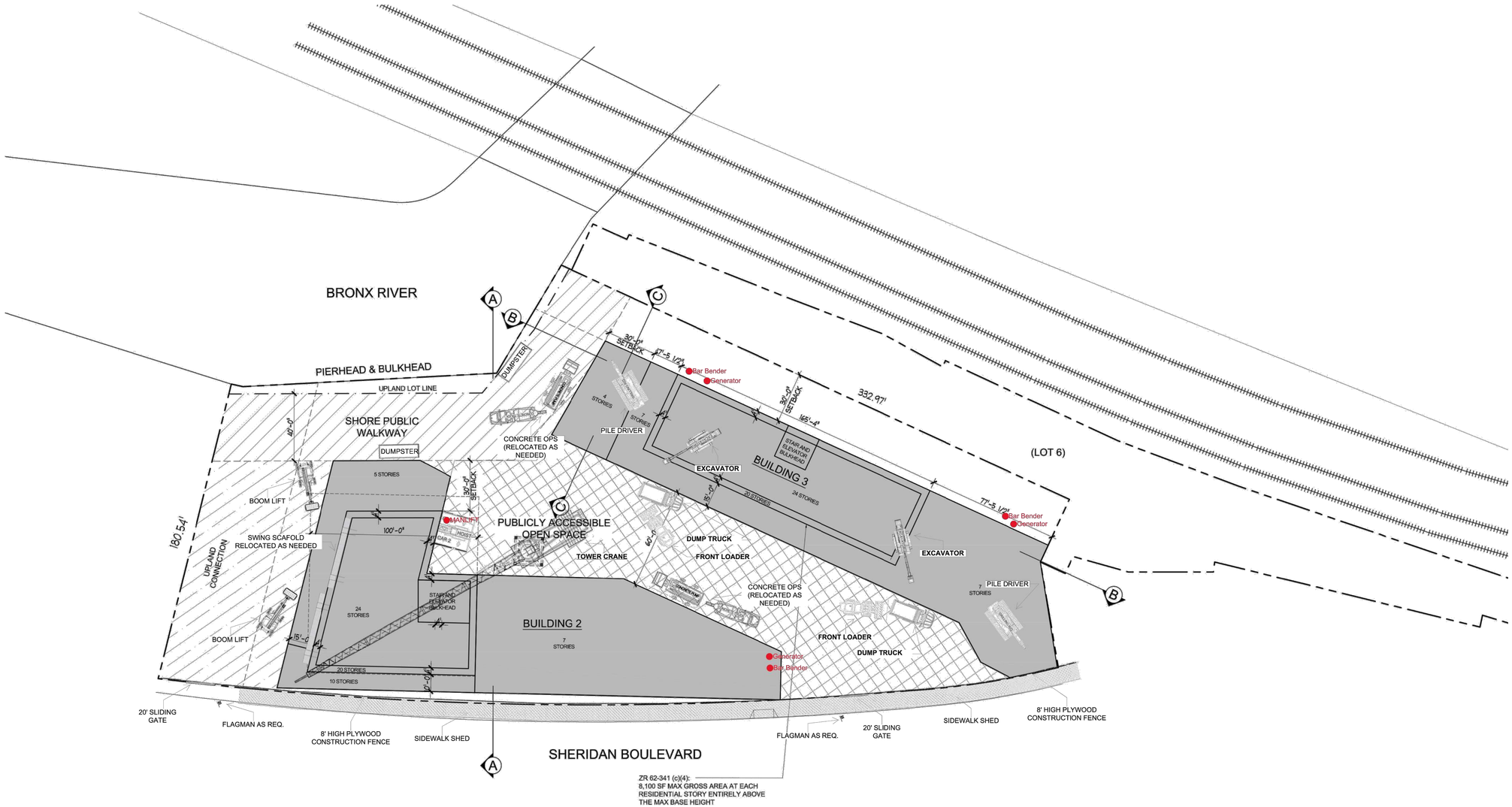
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SITE 2
LOGISTICS
ENVELOPE FACADE (BLDG 2) / EXCAVATION (BLDG 3)

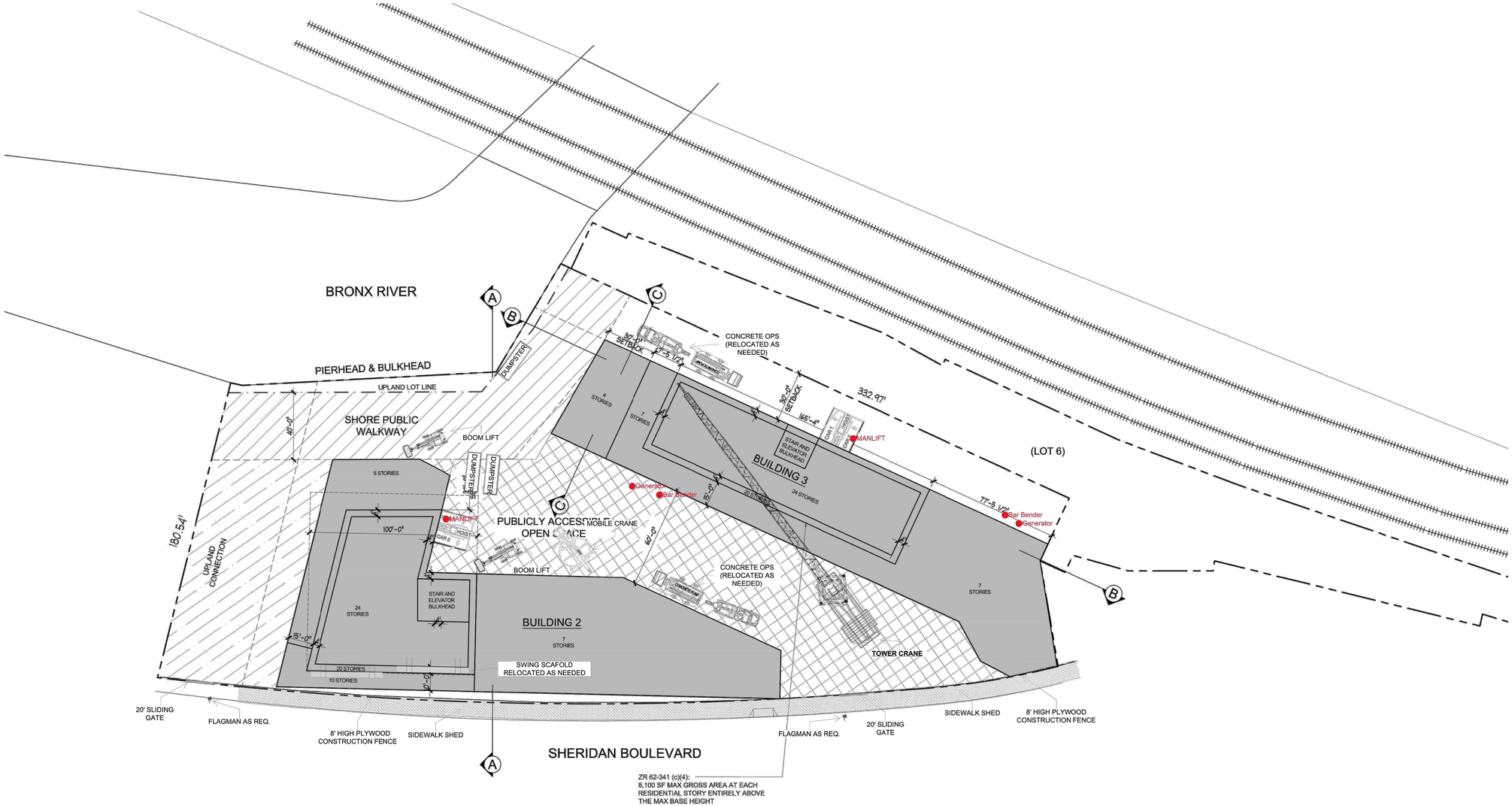
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SITE 2
LOGISTICS
ENVELOPE FACADE/ INTERIOR FITOUT (BLDG 2) / SUPERSTRUCTURE (BLDG 3)

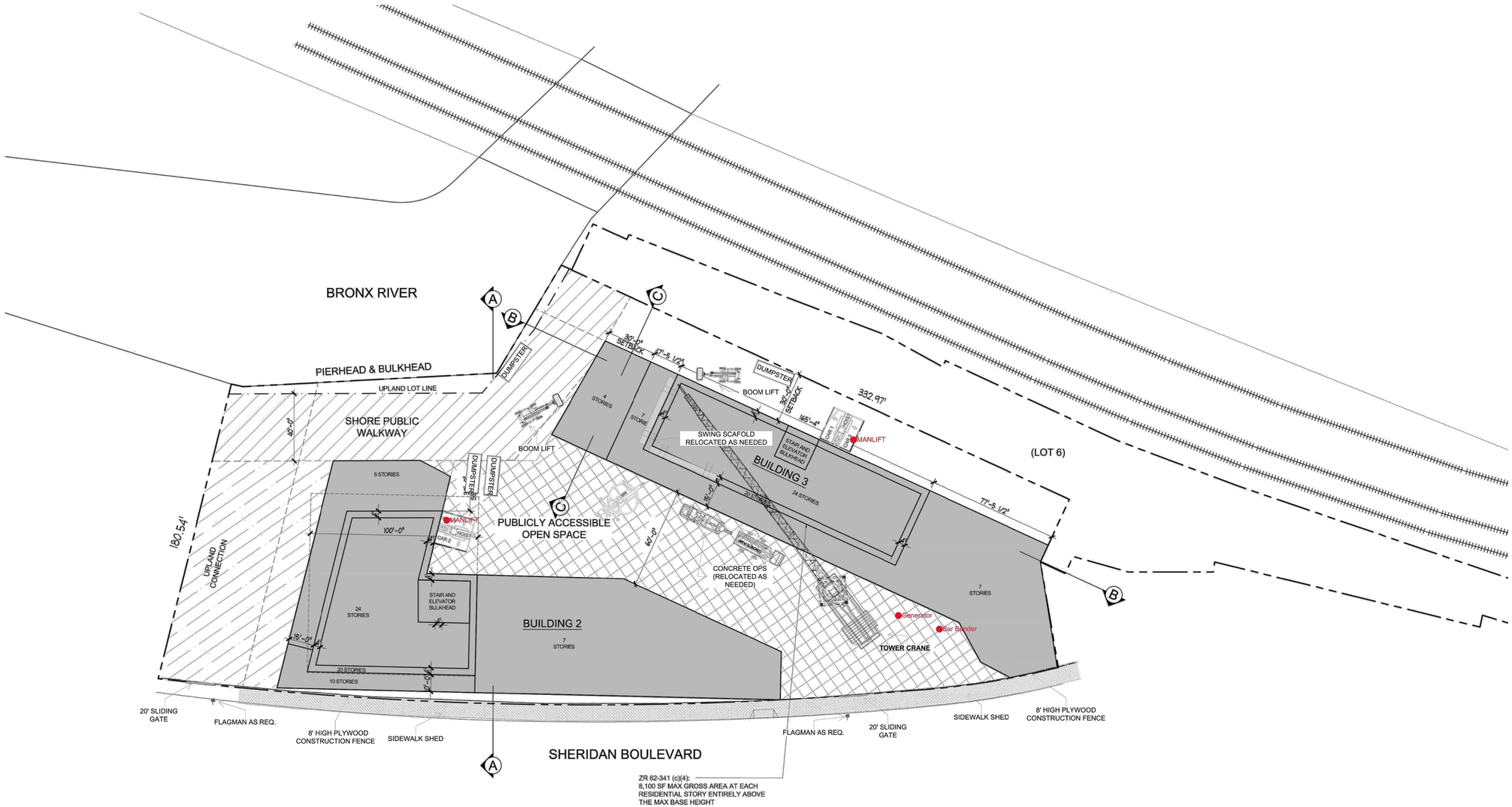
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LOGISTICS
INTERIOR FITOUT (BLDG 2) / SUPERSTRUCTURE/ ENVELOPE FACADE (BLDG 3)

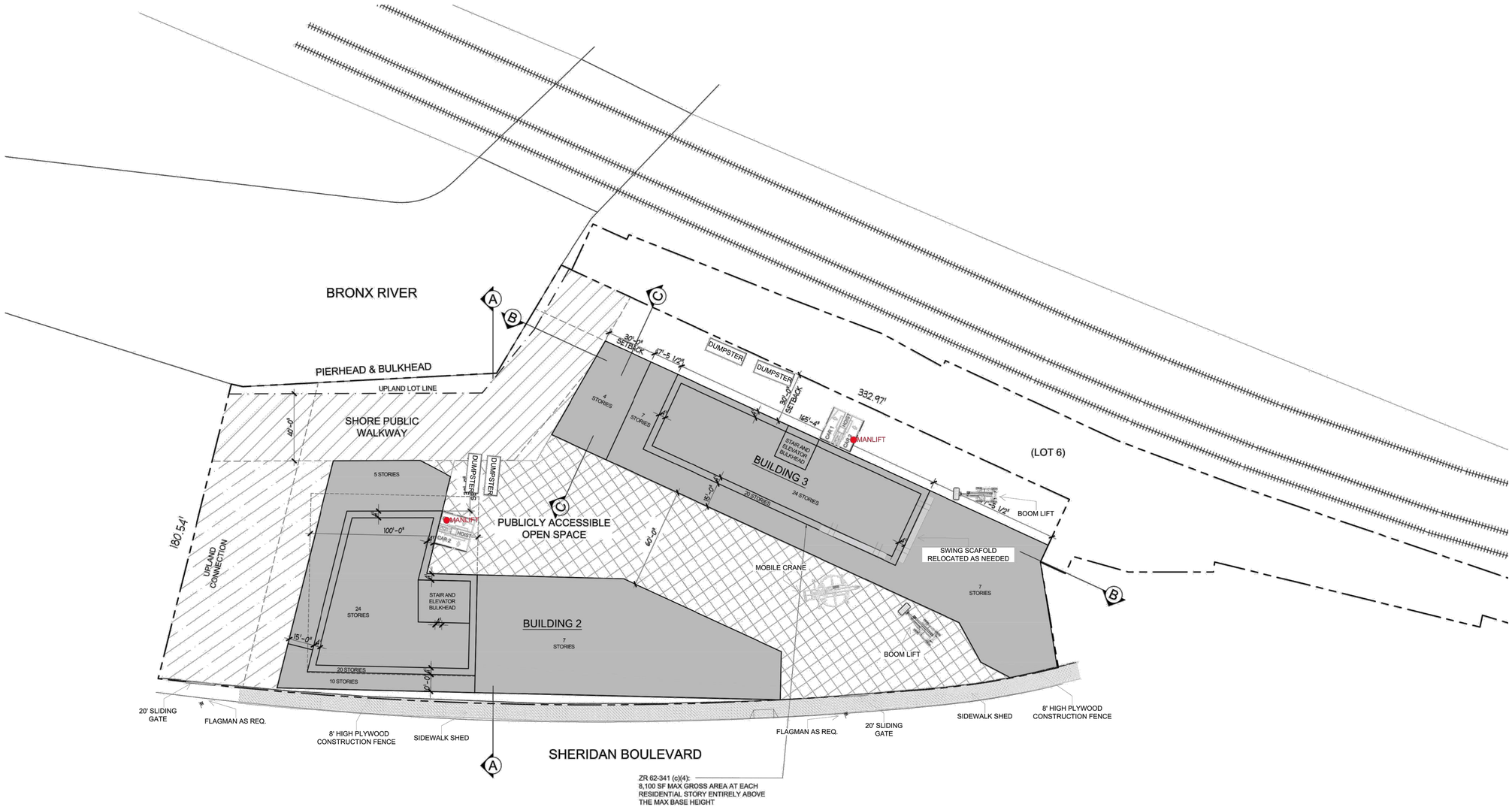
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LOGISTICS
INTERIOR FITOUT (BLDG 2) / ENVELOPE FACADE (BLDG 3)

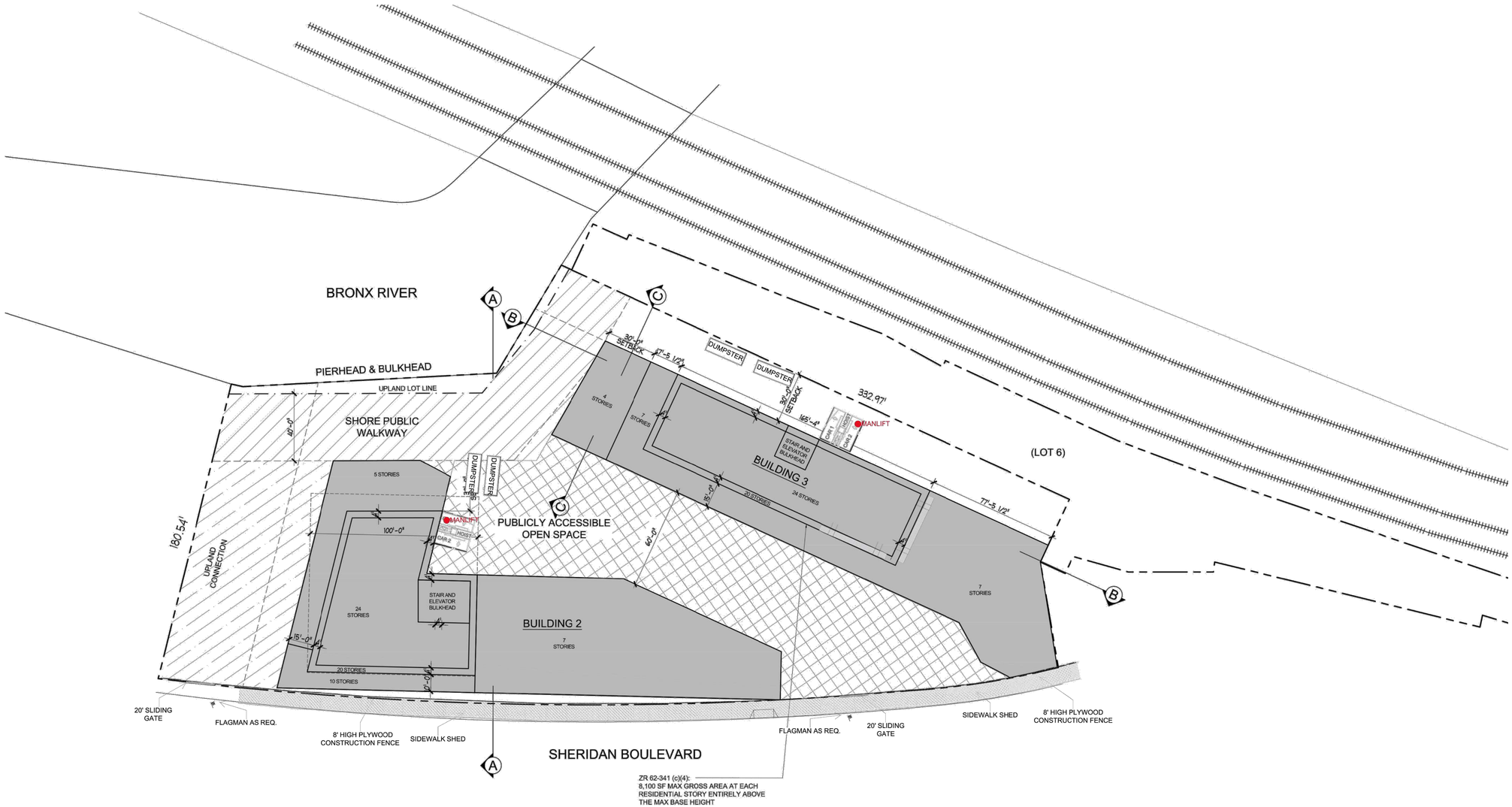
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BRONX, NY

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SITE 2
LOGISTICS
INTERIOR FITOUT (BLDG 2) / INTERIOR FITOUT (BLDG 3)

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L-2

1460 & 1480 Sheridan Boulevard
Construction Traffic

LANGAN

FIGURE I2-1: PROJECT-GENERATED CONSTRUCTION TRIP ASSIGNMENTS (IN PCEs)
WEEKDAY AM CONSTRUCTION PEAK HOUR (6:00 AM TO 7:00 AM)

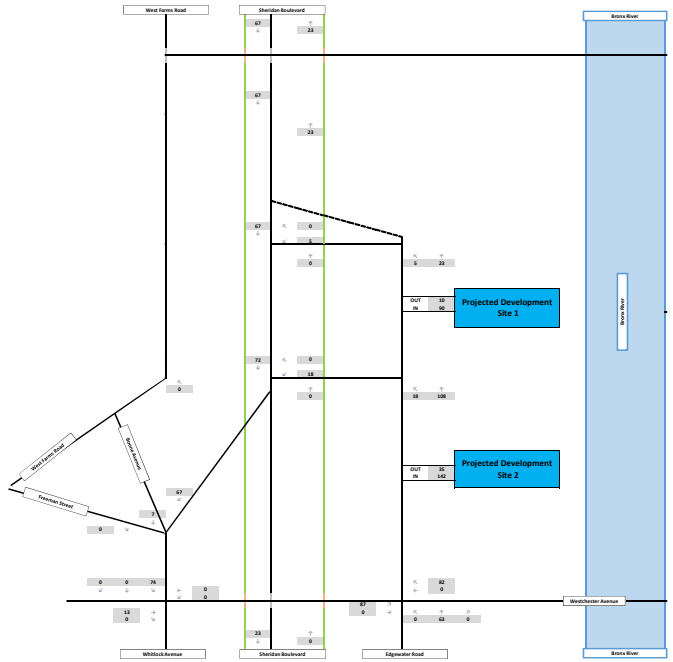


FIGURE I2-2: PROJECT-GENERATED CONSTRUCTION TRIP ASSIGNMENTS (IN PCEs)
WEEKDAY PM CONSTRUCTION PEAK HOUR (3:00 PM TO 4:00 PM)

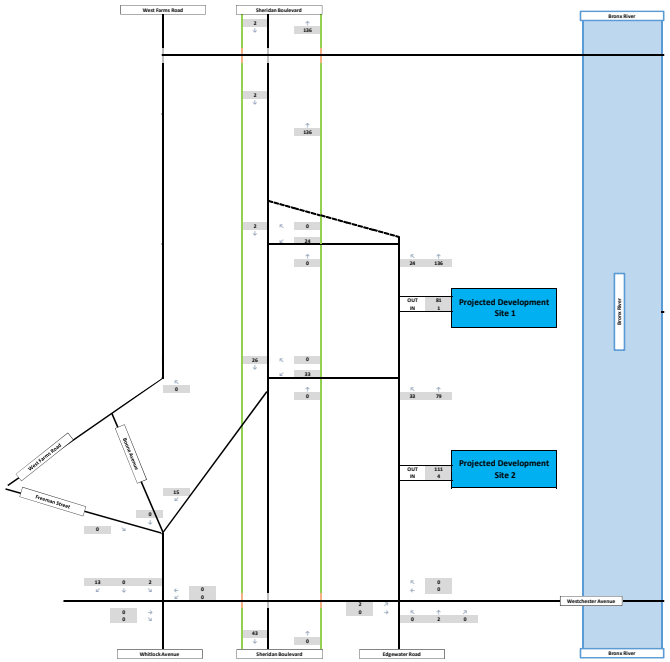


FIGURE I2-3: EXISTING CONDITIONS CONSTRUCTION TRAFFIC VOLUMES
WEEKDAY AM CONSTRUCTION PEAK HOUR (6:00 AM - 7:00 AM)

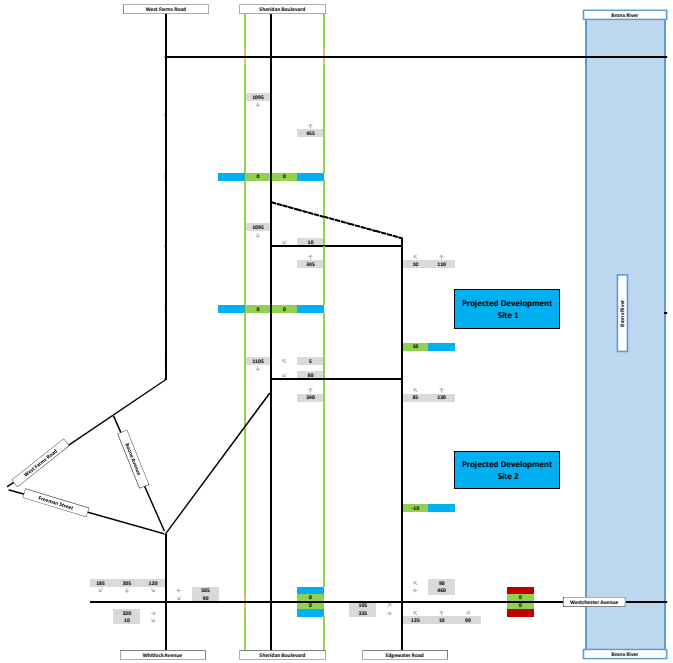


FIGURE I2-4: EXISTING CONDITIONS CONSTRUCTION TRAFFIC VOLUMES
WEEKDAY PM CONSTRUCTION PEAK HOUR (3:00 PM - 4:00 PM)

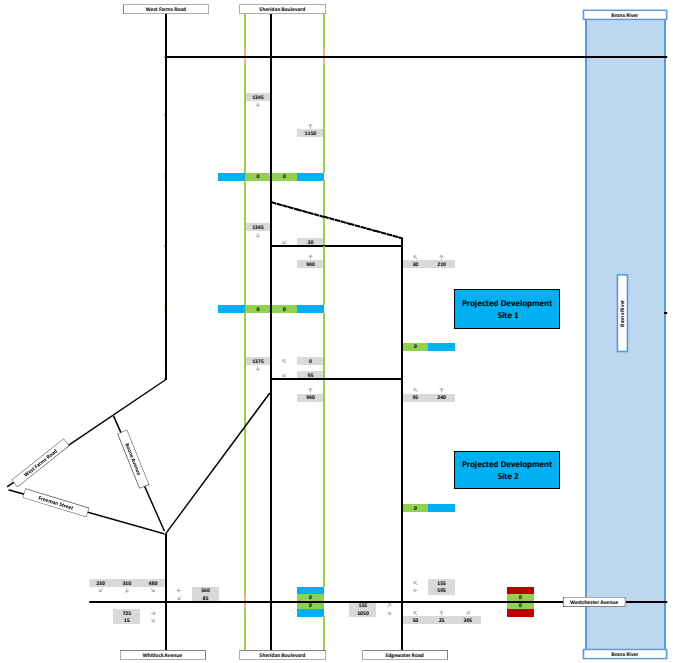


FIGURE I2-5: NO-ACTION CONDITION CONSTRUCTION TRAFFIC VOLUMES
WEEKDAY AM CONSTRUCTION PEAK HOUR (6:00 AM - 7:00 AM)

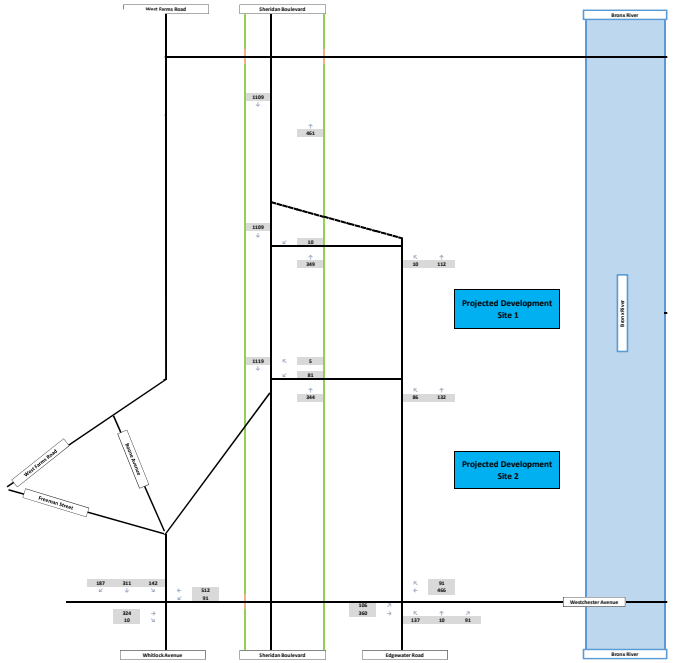


FIGURE I2-6: NO-ACTION CONDITION CONSTRUCTION TRAFFIC VOLUMES
WEEKDAY PM CONSTRUCTION PEAK HOUR (3:00 PM - 4:00 PM)

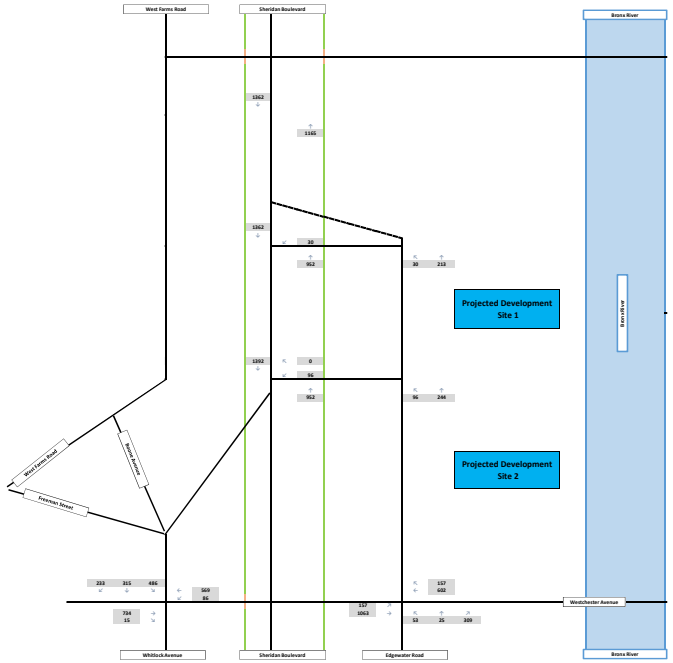


FIGURE I2-7: PROJECT-GENERATED CONSTRUCTION TRIP ASSIGNMENTS
WEEKDAY AM CONSTRUCTION PEAK HOUR (6:00 AM TO 7:00 AM)

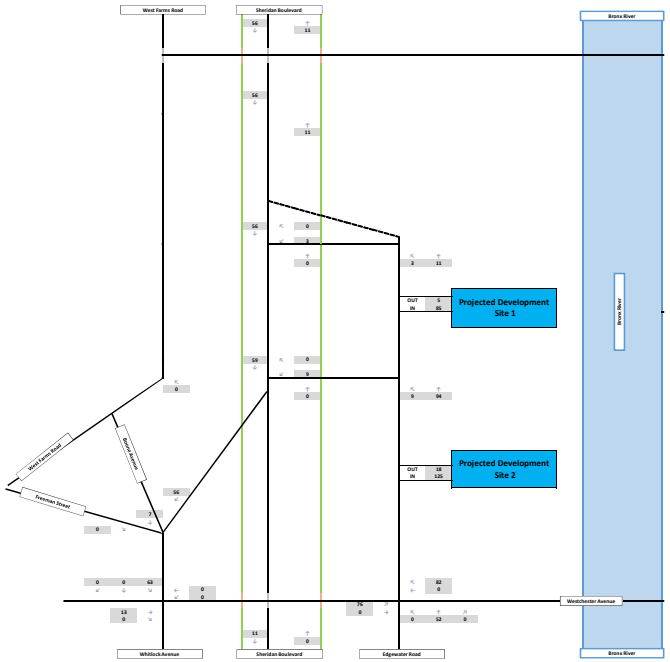


FIGURE I2-8: PROJECT-GENERATED CONSTRUCTION TRIP ASSIGNMENTS
WEEKDAY PM CONSTRUCTION PEAK HOUR (3:00 PM TO 4:00 PM)

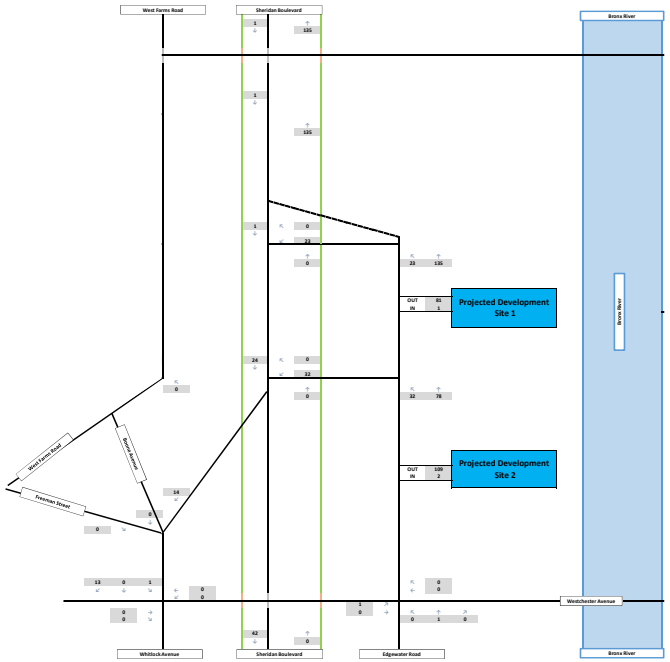


FIGURE I2-9: WITH-ACTION CONDITION CONSTRUCTION TRAFFIC VOLUMES
WEEKDAY AM CONSTRUCTION PEAK HOUR (6:00 AM - 7:00 AM)

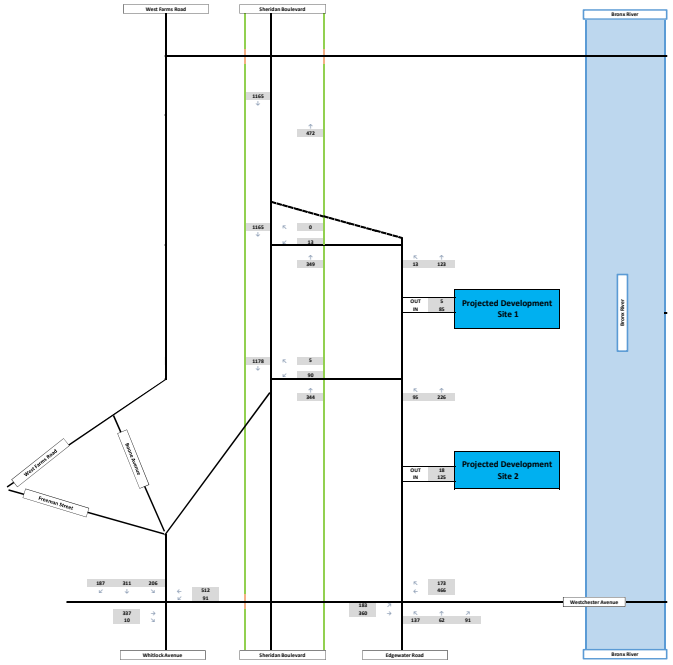


FIGURE I2-10: WITH-ACTION CONDITION CONSTRUCTION TRAFFIC VOLUMES
WEEKDAY PM CONSTRUCTION PEAK HOUR (3:00 PM - 4:00 PM)

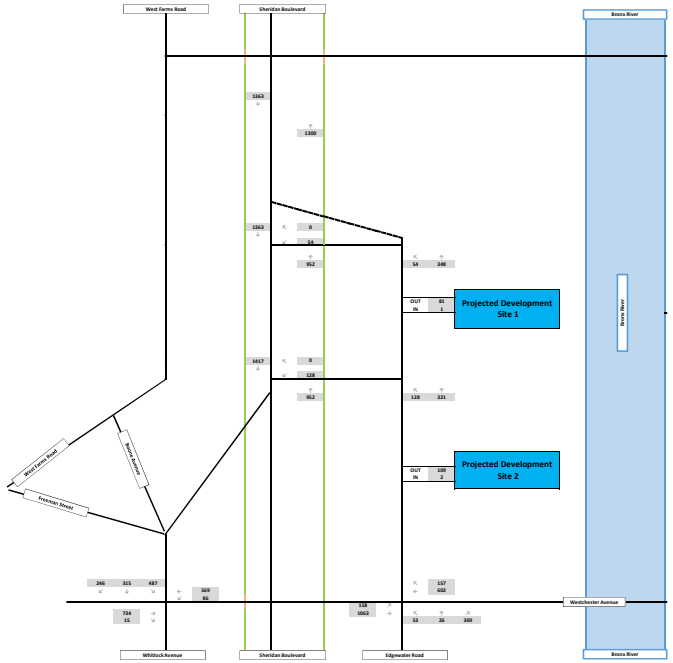


FIGURE I2-11: PROJECT-GENERATED CONSTRUCTION PEDESTRIAN TRIP ASSIGNMENTS
WEEKDAY AM CONSTRUCTION PEAK HOUR (6:00 AM - 7:00 AM)

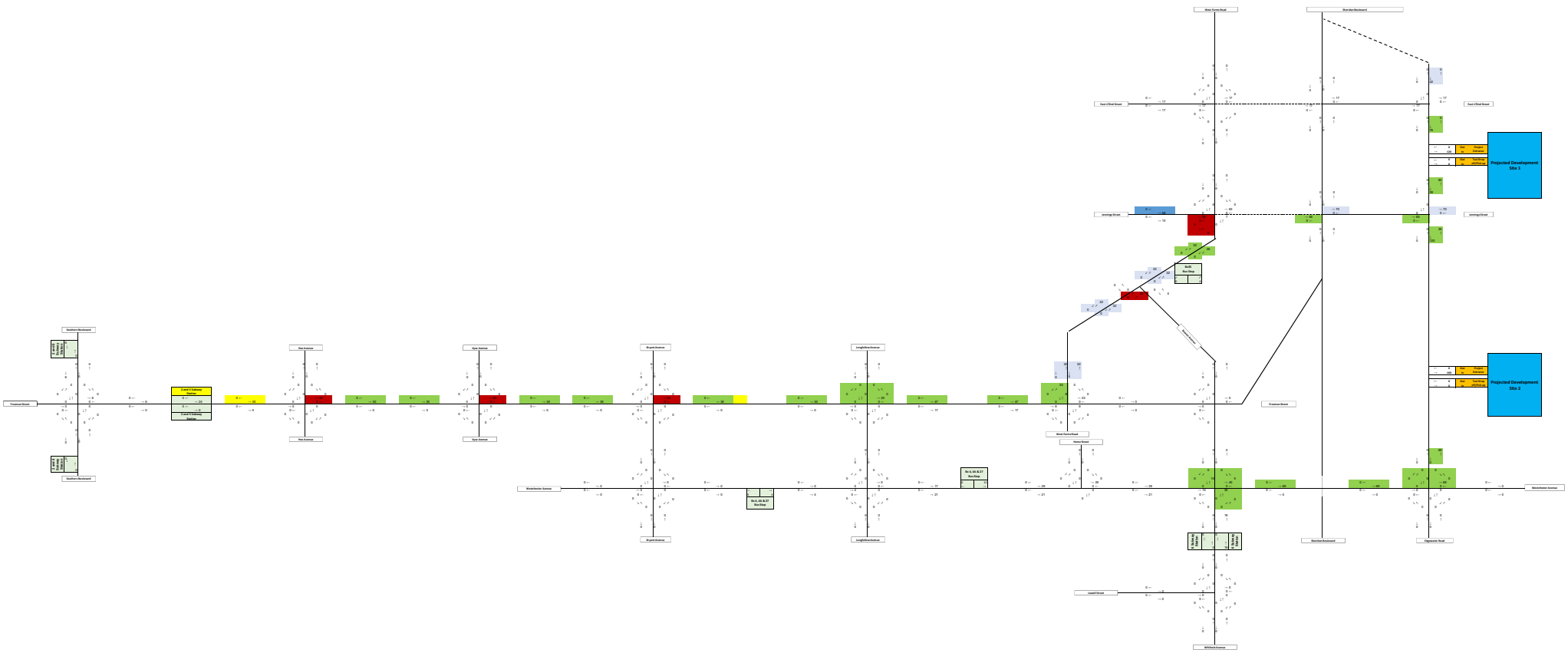
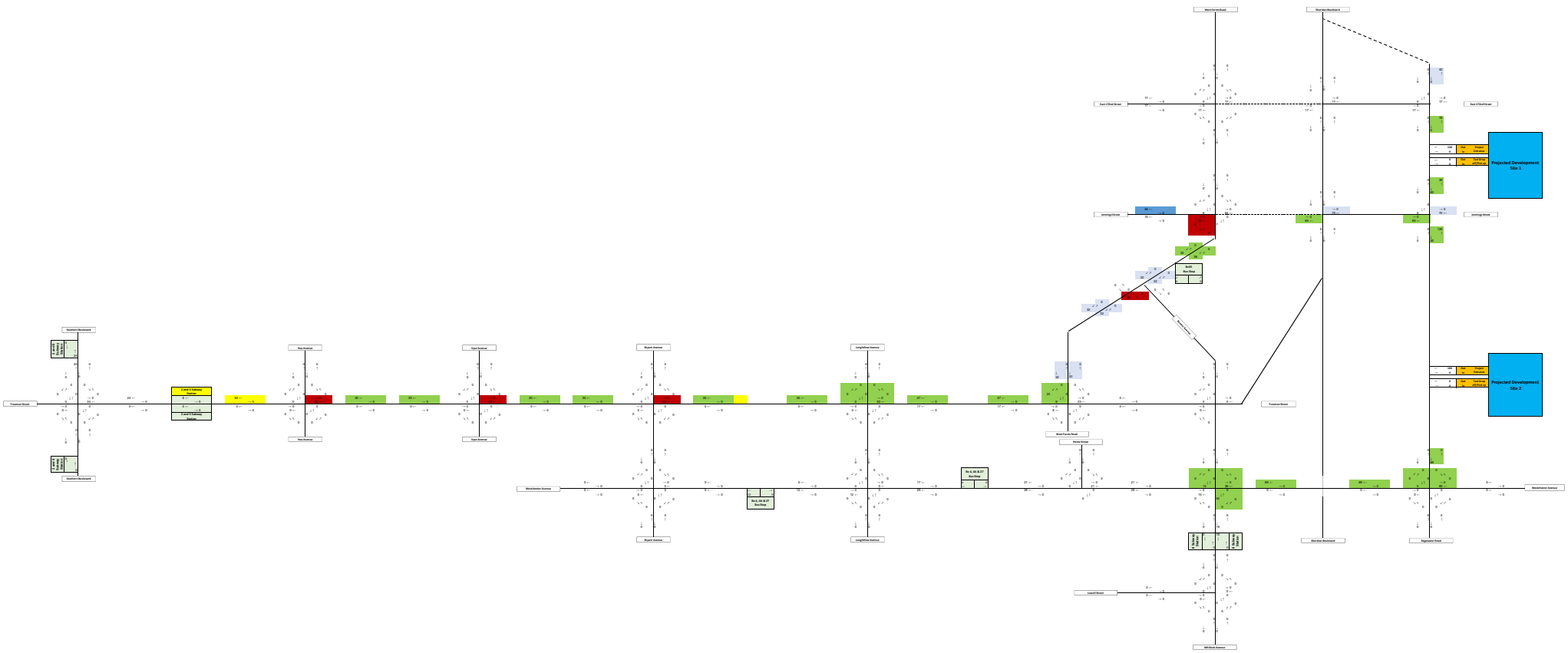


FIGURE I2-12: PROJECT-GENERATED CONSTRUCTION PEDESTRIAN TRIP ASSIGNMENTS
WEEKDAY PM CONSTRUCTION PEAK HOUR (3:00 PM - 4:00 PM)



L-3

1460 & 1480 Sheridan Boulevard
Construction Equipment

LANGAN

1460 Sheridan Boulevard (Projected Development Site 1 - Building 1)

Phase	Demolition			Excavation & Foundation						Superstructure							Envelope/Façade							Interior Fitout								
	Number Used	Months		Number Used	Months					Number used	Months						Number Used	Months						Number Used	Months							
Equipment Usage (%) by Month		1	2		3	4	5	6	7		8	9	10	11	12	13		12	13	14	15	16	17		16	17	18	19	20	21	22	23	24
All Other Equipment > 5 HP																																
Bar Bender				2	x	x	x	x	x	2	x	x	x	x	x	x																
Compactor (ground)				1	x	x	x																									
Compressor (air, ≤ 350 cfm)																																
Compressor (air, > 350 cfm)																																
Concrete Mixer Truck				10	x	x	x	x	x	20	x	x	x	x	x	x																
Concrete Pump Truck				1	x	x	x	x	x	1	x	x	x	x	x	x																
Dozer																																
Dump Truck	10	x	x	10	x	x																										
Excavator	2	x	x	2	x	x	x	x	x																							
Front End Loader	2	x	x	2	x	x	x	x	x																							
Generator (< 25 KVA, VMS signs)				2	x	x	x	x	x																							
Gradall																																
Pumps				2	x	x	x	x	x																							
Impact Pile Driver				2		x	x																									
Slurry Plant																																
Auger Drill Rig																																
Soil Mix Drill Rig																																
Pickup Truck																																
Grader																																
Paver																																
Vacuum Street Sweeper																																
Concrete Saw																																
Crane										1	x	x	x	x	x	x	1	x	x	x	x	x	x									
Drum Mixer																																
Dumpster/Rubbish Removal	2	x	x	2	x	x	x	x	x	2	x	x	x	x	x	x	2	x	x	x	x	x	x	4	x	x	x	x	x	x	x	x
Flat Bed Truck	1	x	x	1	x	x	x	x	x																							
Jackhammer																																
Man Lift										2	x	x	x	x	x	x	2	x	x	x	x	x	x	2	x	x	x	x	x	x	x	x
Pneumatic Tools																																
Ventilation Fan																																
Welder / Torch																																

1480 Sheridan Boulevard (Projected Development Site 2 - Building 2)

Phase	Demolition			Excavation & Foundation						Superstructure							Envelope/Façade							Interior Fitout									
	Number Used	Usage Factor (%)		Number Used	Usage Factor (%)					Number Used	Usage Factor (%)						Number Used	Usage Factor (%)						Number Used	Usage Factor (%)								
Equipment Usage (%) by Month		7	8		9	10	11	12	13		14	15	16	17	18	19		18	19	20	21	22	23		22	23	24	25	26	27	28	29	30
All Other Equipment > 5 HP																																	
Bar Bender				2	x	x	x	x	x	2	x	x	x	x	x	x																	
Compactor (ground)				1	x	x	x																										
Compressor (air, ≤ 350 cfm)																																	
Compressor (air, > 350 cfm)																																	
Concrete Mixer Truck				10	x	x	x	x	x	20	x	x	x	x	x	x																	
Concrete Pump Truck				1	x	x	x	x	x	1	x	x	x	x	x	x																	
Dozer																																	
Dump Truck	10	x	x	10	x	x																											
Excavator	2	x	x	2	x	x	x	x	x																								
Front End Loader	2	x	x	2	x	x	x	x	x																								
Generator (< 25 KVA, VMS signs)				2	x	x	x	x	x																								
Gradall																																	
Pumps				2	x	x	x	x	x																								
Impact Pile Driver				2		x	x																										
Slurry Plant																																	
Auger Drill Rig																																	
Soil Mix Drill Rig																																	
Pickup Truck																																	
Grader																																	
Paver																																	
Vacuum Street Sweeper																																	
Concrete Saw																																	
Crane										1	x	x	x	x	x	x	1	x	x	x	x	x	x										
Drum Mixer																																	
Dumpster/Rubbish Removal	2	x	x	2	x	x	x	x	x	2	x	x	x	x	x	x	2	x	x	x	x	x	x	4	x	x	x	x	x	x	x	x	x
Flat Bed Truck	1	x	x	1	x	x	x	x	x																								
Jackhammer																																	
Man Lift										2	x	x	x	x	x	x	2	x	x	x	x	x	x	2	x	x	x	x	x	x	x	x	x
Pneumatic Tools																																	
Ventilation Fan																																	
Welder / Torch																																	

1480 Sheridan Boulevard (Projected Development Site 2 - Building 3)

Phase	Demolition			Excavation & Foundation						Superstructure							Envelope/Façade							Interior Fitout									
	Number Used	Usage Factor (%)		Number Used	Usage Factor (%)					Number Used	Usage Factor (%)						Number Used	Usage Factor (%)						Number Used	Usage Factor (%)								
Equipment Usage (%) by Month		13	14		15	16	17	18	19		20	21	22	23	24	25		24	25	26	27	28	29		28	29	30	31	32	33	34	35	36
All Other Equipment > 5 HP																																	
Bar Bender				2	x	x	x	x	x	2	x	x	x	x	x	x																	
Compactor (ground)				1	x	x	x																										
Compressor (air, ≤ 350 cfm)																																	
Compressor (air, > 350 cfm)																																	
Concrete Mixer Truck				10	x	x	x	x	x	20	x	x	x	x	x	x																	
Concrete Pump Truck				1	x	x	x	x	x	1	x	x	x	x	x	x																	
Dozer																																	
Dump Truck	10	x	x	10	x	x																											
Excavator	2	x	x	2	x	x	x	x	x																								
Front End Loader	2	x	x	2	x	x	x	x	x																								
Generator (< 25 KVA, VMS signs)				2	x	x	x	x	x																								
Gradall																																	
Pumps				2	x	x	x	x	x																								
Impact Pile Driver				2		x	x																										
Slurry Plant																																	
Auger Drill Rig																																	
Soil Mix Drill Rig																																	
Pickup Truck																																	
Grader																																	
Paver																																	
Vacuum Street Sweeper																																	
Concrete Saw																																	
Crane										1	x	x	x	x	x	x	1	x	x	x	x	x	x										
Drum Mixer																																	
Dumpster/Rubbish Removal	2	x	x	2	x	x	x	x	x	2	x	x	x	x	x	x	2	x	x	x	x	x	x	4	x	x	x	x	x	x	x	x	x
Flat Bed Truck	1	x	x	1	x	x	x	x	x																								
Jackhammer																																	
Man Lift										2	x	x	x	x	x	x	2	x	x	x	x	x	x	2	x	x	x	x	x	x	x	x	x
Pneumatic Tools																																	
Ventilation Fan																																	
Welder / Torch																																	