

No. 7 Subway Line Extension Project

Presentation to HY/HK Alliance

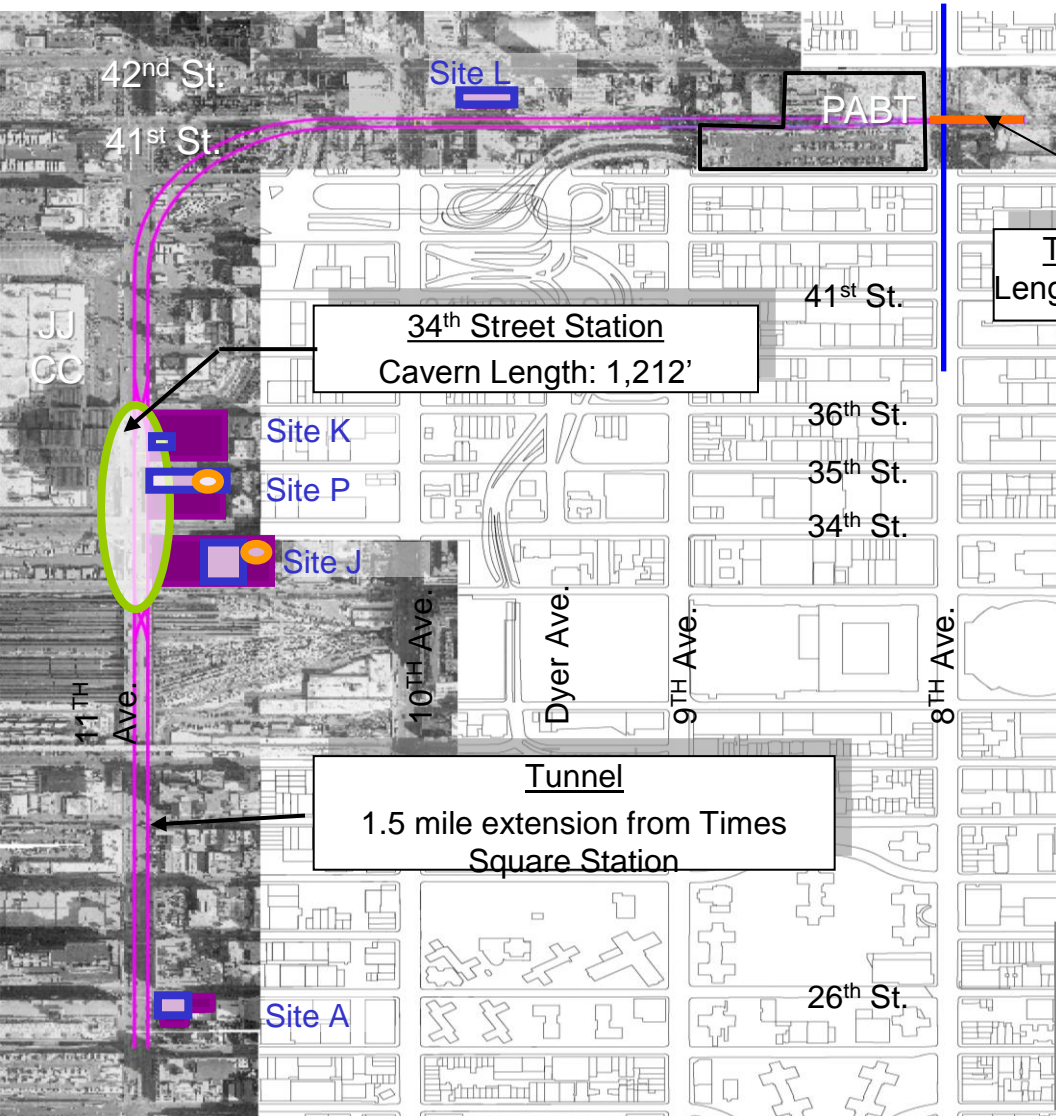
July 10, 2014





34th Street
Station

NO. 7 ALIGNMENT AERIAL VIEW



7 Line Subway Extension

Project Scope Key Plan

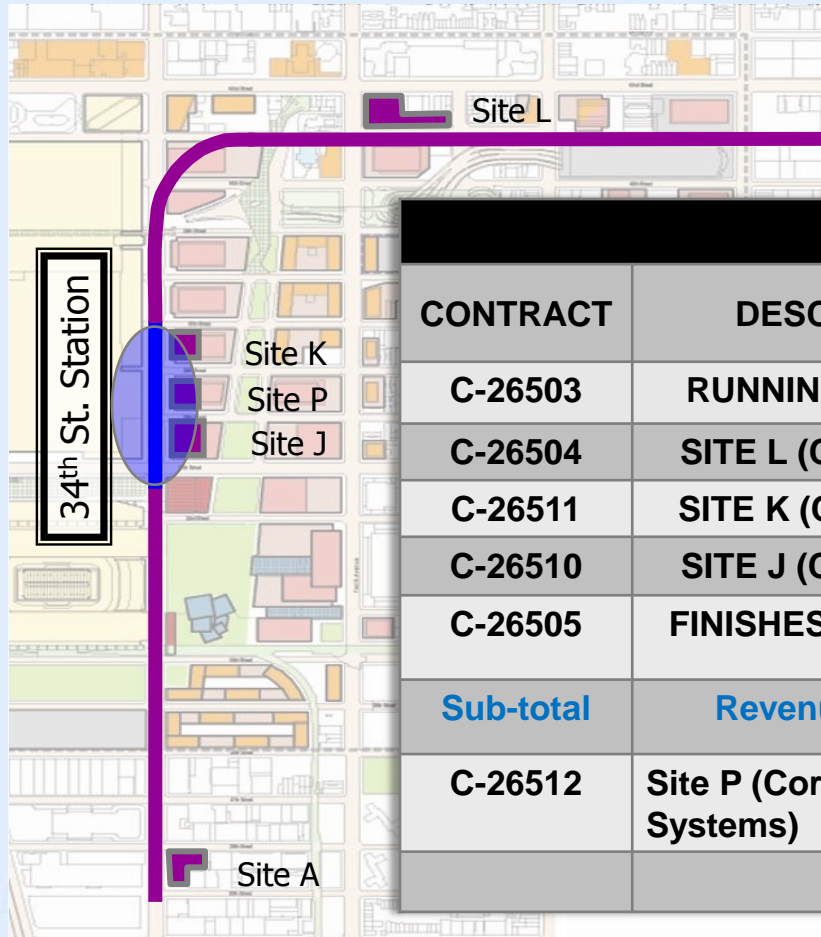
Tail Track Modification
Length: 275'

34th Street Station
Cavern Length: 1,212'

Tunnel
1.5 mile extension from Times
Square Station

Legend:
■ Project Site
■ Station
○ Station Entrance

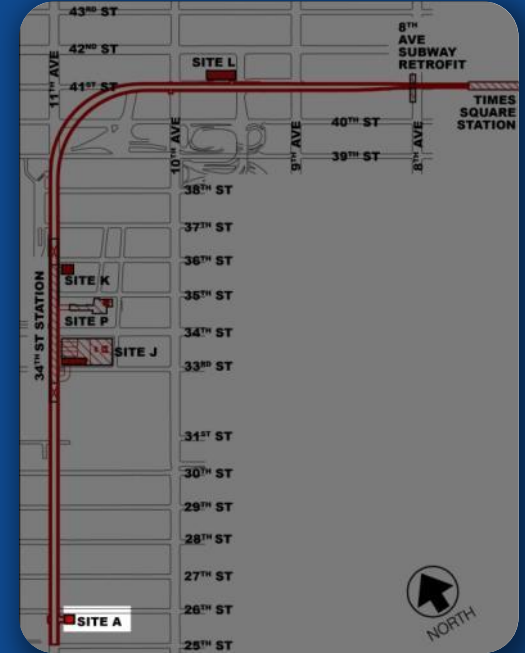
CONTRACTS



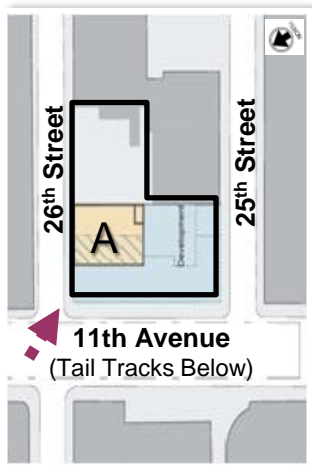
IN CONSTRUCTION				
CONTRACT	DESCRIPTION	COST	% COMPLETE 6/30/2014	S.C. DATE
C-26503	RUNNING TUNNELS	\$1,144,995,900	100%	4/27/12 (A)
C-26504	SITE L (Core & Shell)	\$58,778,839	100%	10/9/12 (A)
C-26511	SITE K (Core & Shell)	\$57,941,025	100%	11/26/12 (A)
C-26510	SITE J (Core & Shell)	\$119,997,800	99%	2/19/14 (A)
C-26505	FINISHES & SYSTEMS	\$528,090,315	90%	Fall 2014/1 st Quarter 2015
Sub-total	Revenue Service	\$1,909,803,879	97%	
C-26512	Site P (Core, Shell and Systems)	\$84,146,000	32%	4/13/16
	TOTAL	\$1,993,949,879	94%	

SITE A

Facilities Building



SITE A SHAFT, ADIT AND VENTILATION BUILDING



Systems Building - Southeast corner of West 26th Street and Eleventh Avenue

Major Program Elements

1. Shaft Concrete lining
2. Building construction
3. Tail Track Ventilation – Heat Relief
4. Pump room
5. Air Conditioning & Building Management Systems (BMS)
6. Building and Tunnel Standpipe System
7. 120v Normal and 208v reserve electrical service power
8. UPS and Battery Rooms
9. Secondary Communications Room and Closets
10. NYCT Wireless Room



25TH STREET

26TH STREET

11TH AVENUE

SITE A
APRIL 2014

 Capital Construction

 HYDC
Hudson Yards Development Corporation

 HLH7



26TH STREET

25TH STREET

11TH AVENUE

SITE A
JUNE 2014

MTA Capital Construction

DC

HLH7

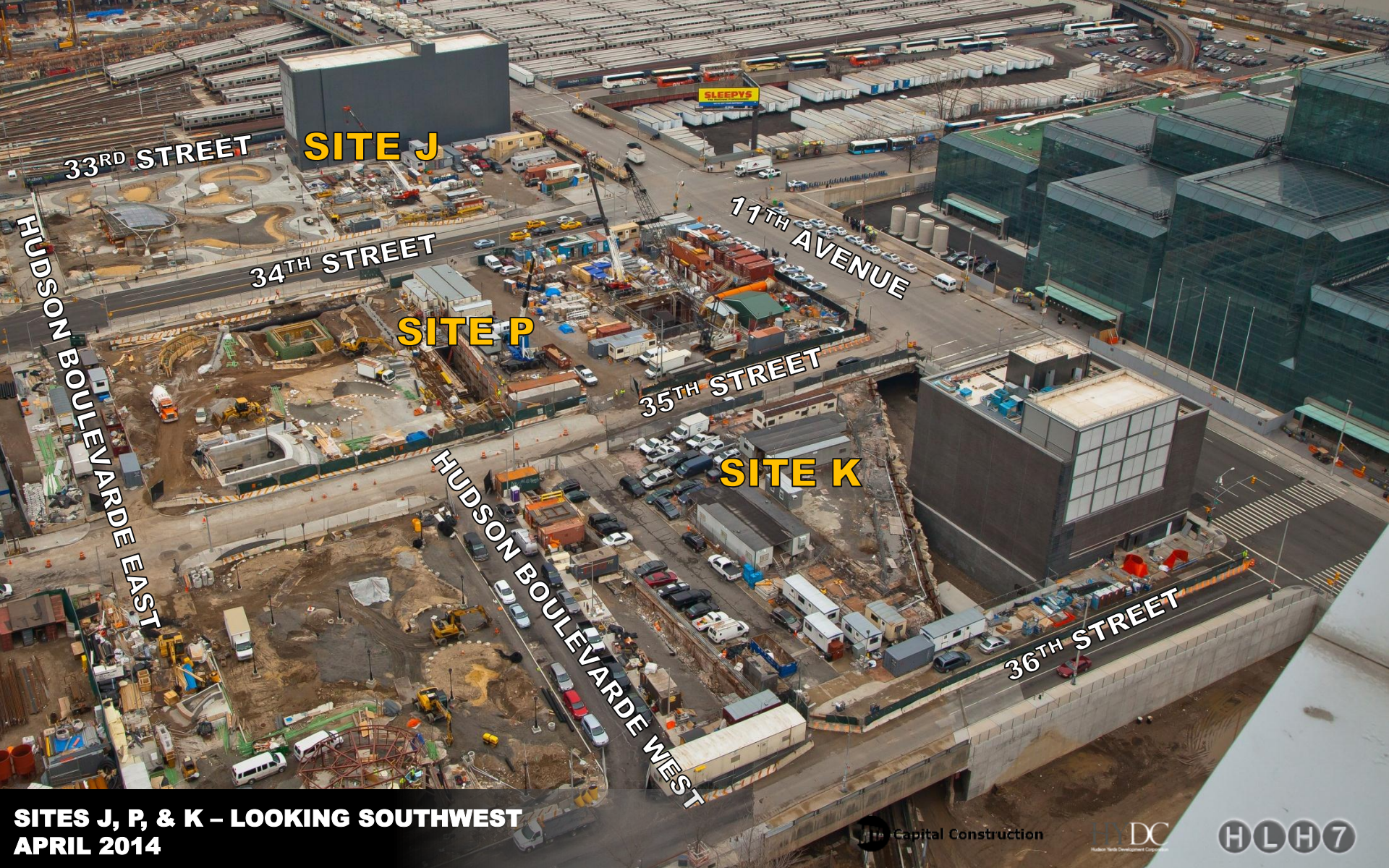


25TH STREET

26TH STREET

11TH AVENUE

**SITE A
AT COMPLETION**



33RD STREET

SITE J

34TH STREET

SITE P

11TH AVENUE

35TH STREET

SITE K

36TH STREET

HUDSON BOULEVARD EAST

HUDSON BOULEVARD WEST

**SITES J, P, & K - LOOKING SOUTHWEST
APRIL 2014**

Capital Construction

NYDC
New York Development Corporation

HLH7



SITE J

SITE P

SITE K

33RD STREET

34TH STREET

35TH STREET

11TH AVENUE

HUDSON BOULEVARD EAST

HUDSON BOULEVARD WEST

36TH STREET

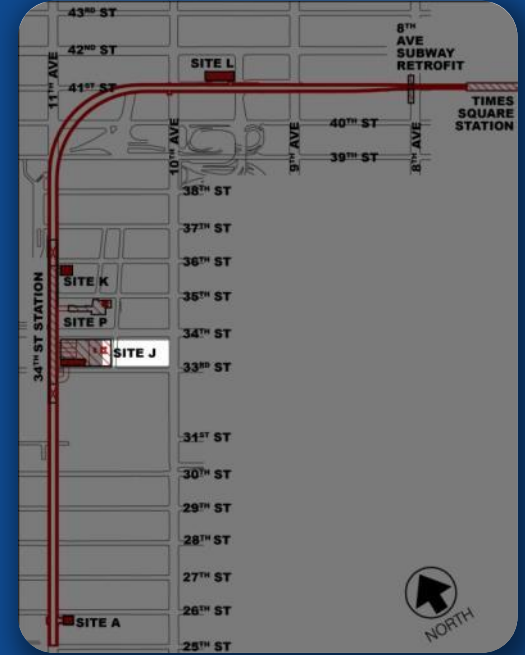
**SITES J, P, & K - LOOKING SOUTHWEST
JUNE 2014**

Capital Construction

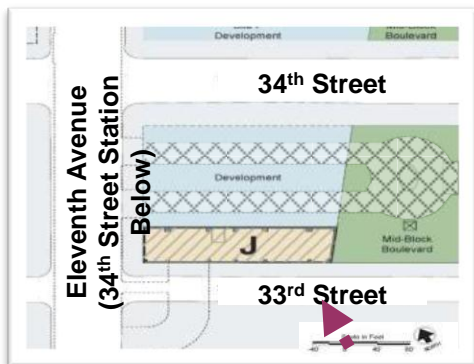
HDC

HLH7

SITE J Station Entrance



SITE J - SHAFT, ADIT & VENTILATION BUILDING



Major Program Elements at Site J

1. Tunnel and Station Ventilation
2. Air Conditioning & Building Management Systems (BMS)
3. Tunnel, Station, and Building fire standpipe
4. 13.2kv electrical service for Station and Vent Bldg power
5. Traction power substation
6. UPS and Battery Rooms
7. Main Communication Room/ Closets
8. NYCT Wireless Room
9. Station Emergency Control Room



11TH AVENUE

33RD STREET

34TH STREET

SITE J - LOOKING WEST
APRIL 2014

MTA Capital Construction

HYDC

HLH7



11TH AVENUE

33RD STREET

34TH STREET

SITE J - LOOKING WEST
JUNE 2014

MTA Capital Construction

HYDC

HLH7



11TH AVENUE

33RD STREET

34TH STREET

**SITE J - LOOKING WEST
AT COMPLETION**

 Capital Construction

 HYDC

 HLH7



34th Street Subway Station

Elevator

SITE J CANOPY (C-26512)

 Capital Construction

 HYDC

 HLH7



**SITE J CANOPY LOOKING WEST (C-26512)
JUNE 2014**



← 7 7

1. 7.0 Rushing Main St. 2. 7.0 Rushing Main St. 2. 7.0

7 7 →


Entry 7 7

Entry 7 7

**SITE J – MAIN ENTRANCE UPPER MEZZANINE
LOW RISE ESCALATOR TO STREET LEVEL**

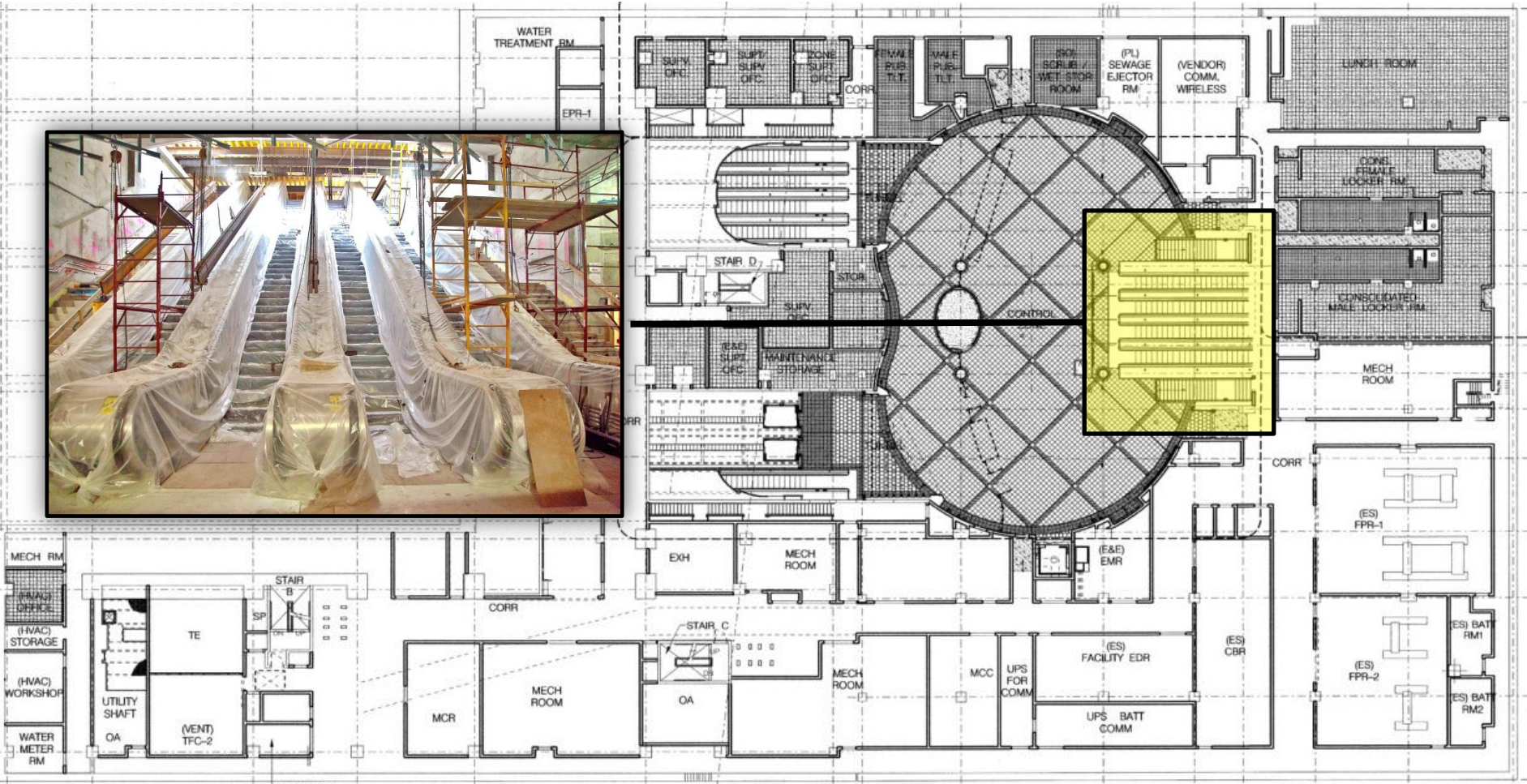
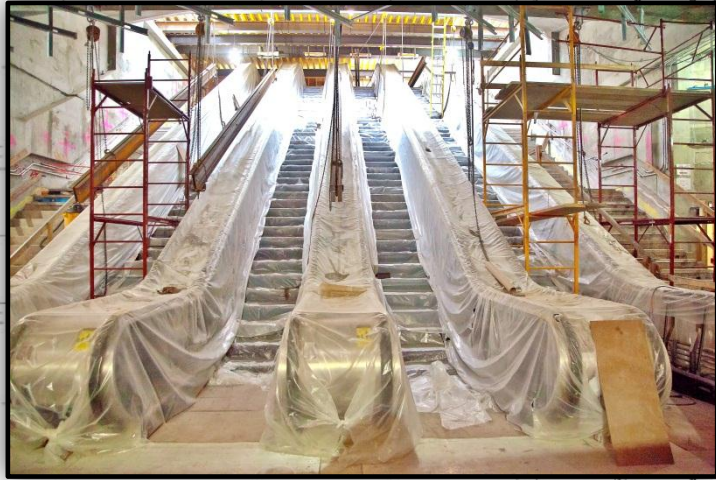


SITE J – B1 LEVEL CEILING & WALL FRAMING
JUNE 2014

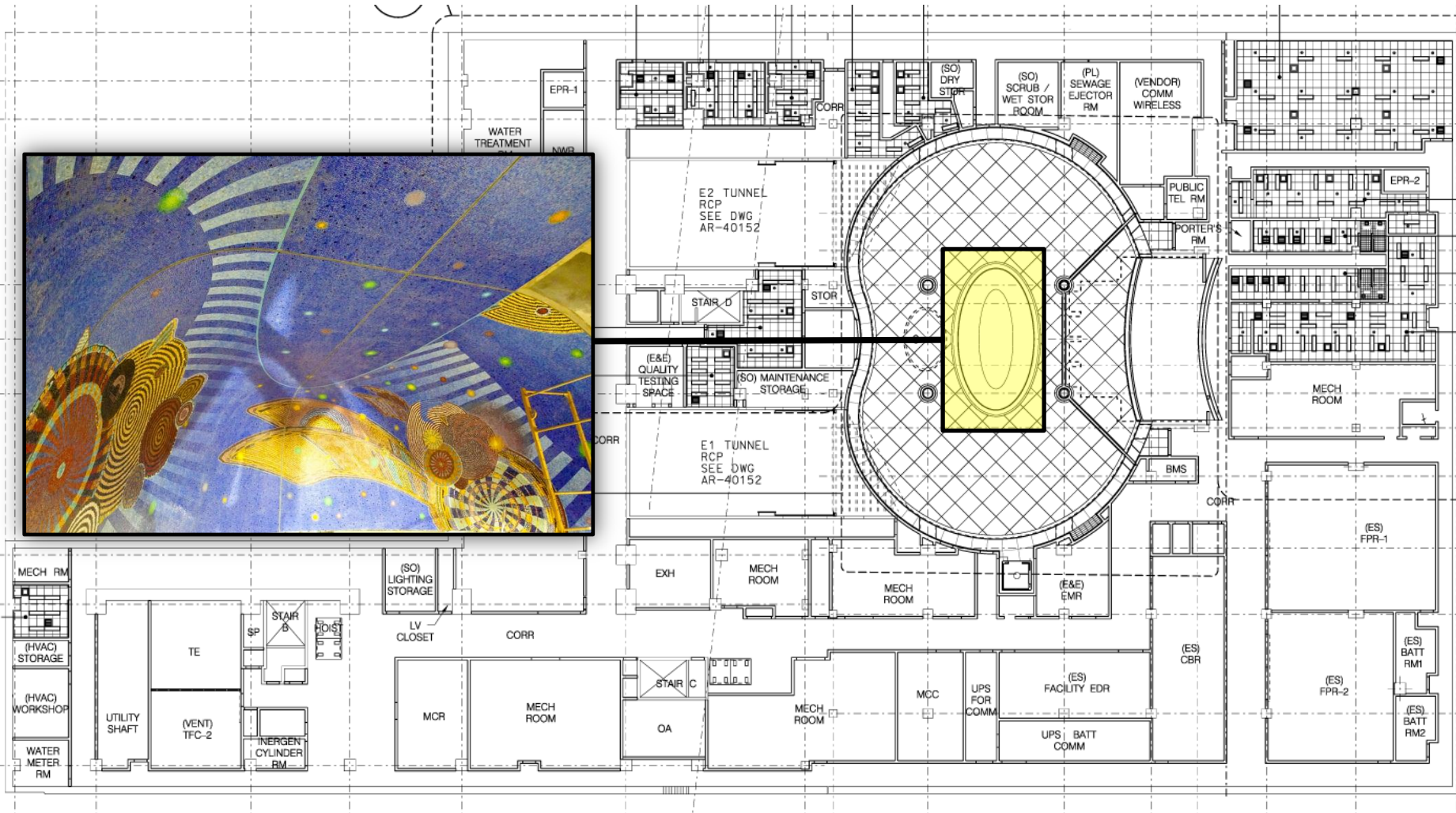
 Capital Construction

 HYDC
Hudson Yards Development Corporation

 HLH7



SITE J - B1 LEVEL TESTED



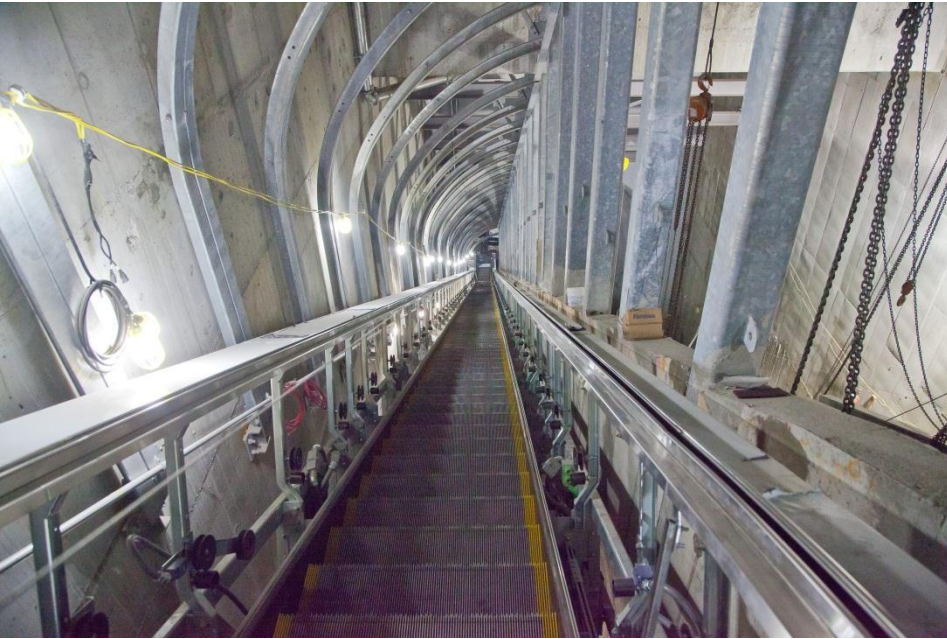
SITE J – B1 LEVEL CEILING MOSAIC ART INSTALLATION



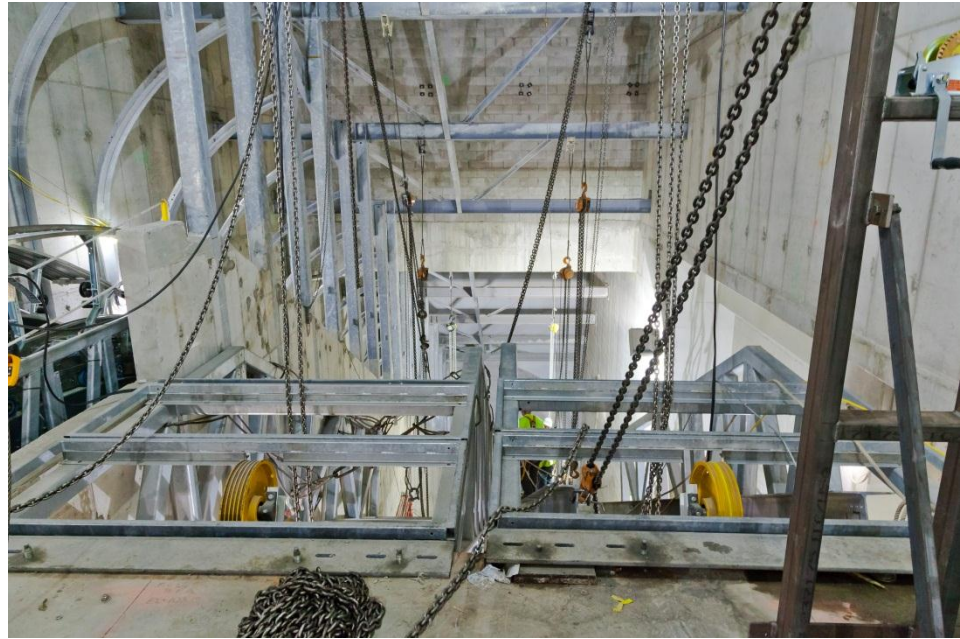
**SITE J – B1 LEVEL, CEILING MOSAIC ART
INSTALLATION - JUNE 2014**



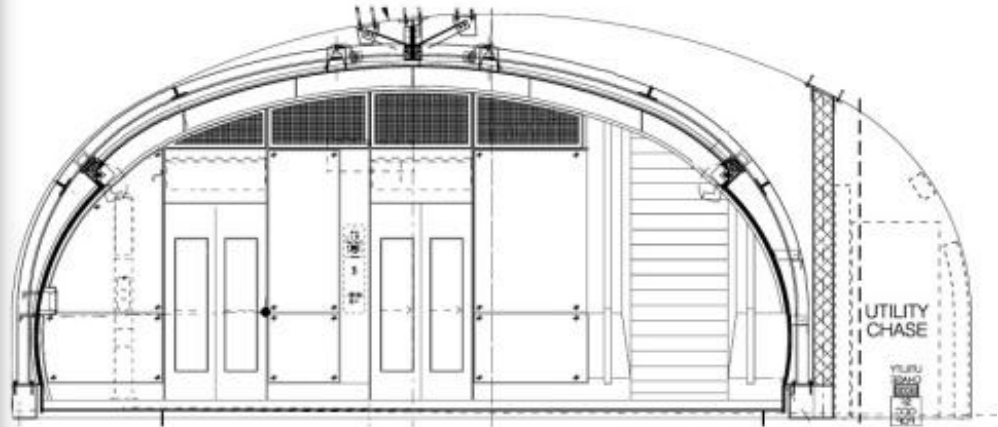
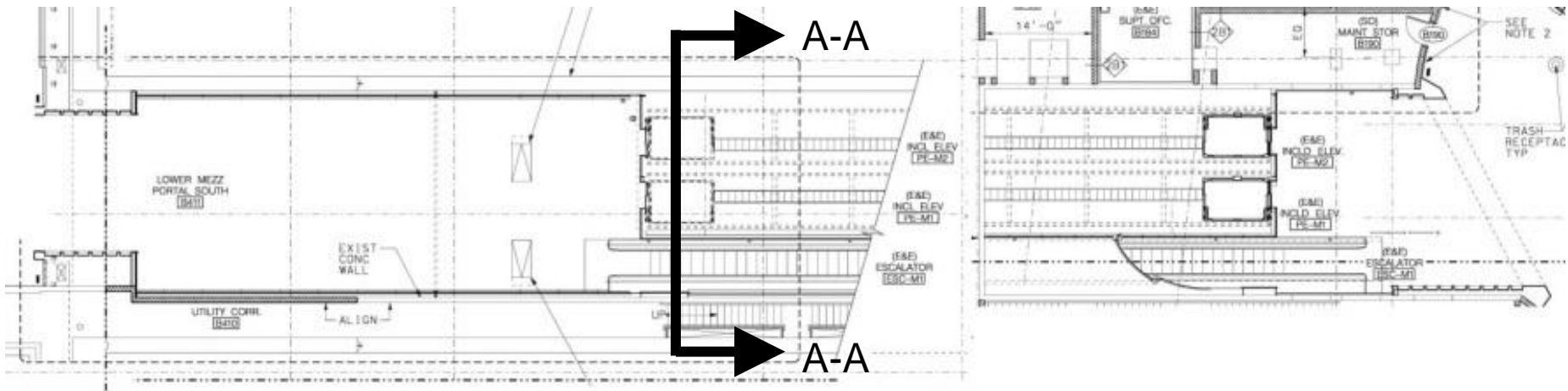
**SITE J – B1 LEVEL, CEILING MOSAIC ART
INSTALLATION - JUNE 2014**



E1 Tunnel High Rise Escalators



E1 Inclined Elevator Trusses



Section A-A



↑ Exit

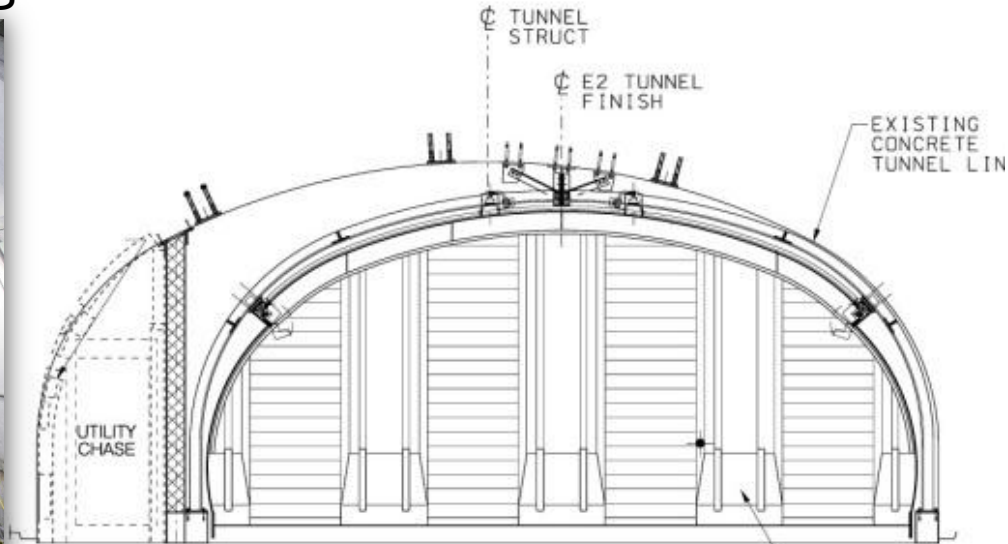
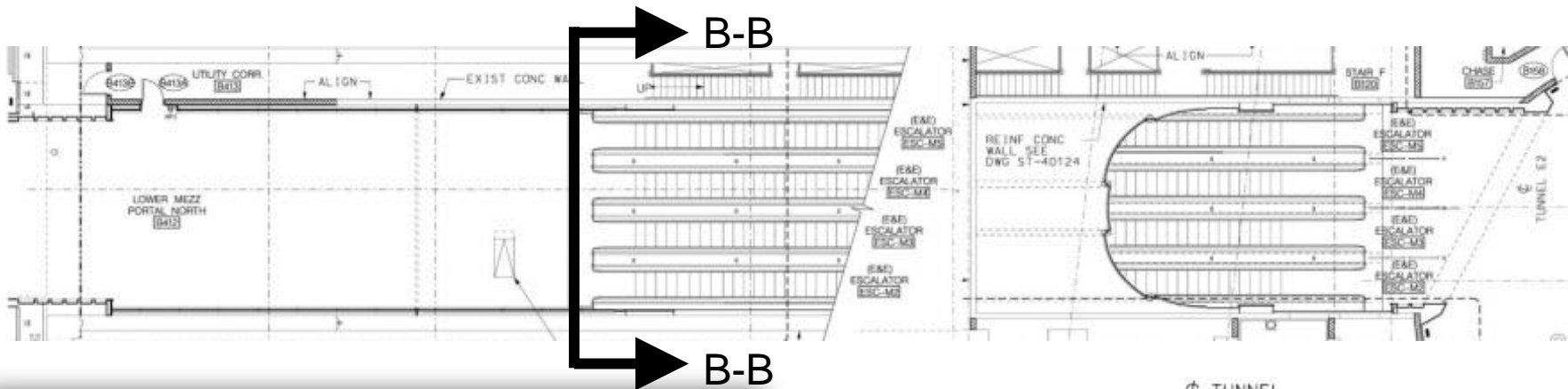
1.00 Platform Mezz. St. 20th
2.00 Platform Mezz. St. 20th
Hudson Blvd East M11 M34

SITE J E2 TUNNEL



**SITE J – E2 TUNNEL – ARCHITECTURAL FINISHES
JUNE 2014**





Section B-B



Exit → 1.0 Hudson Blvd East 2.0 Hudson Blvd East

1.0 Hudson Blvd East 2.0 Hudson Blvd East

Exit ↑ Fulton Blvd East

34TH STREET STATION- LOWER MEZZANINE



34TH STREET STATION- LOWER MEZZANINE
APRIL 2014



34TH STREET STATION- LOWER MEZZANINE
JUNE 2014



Next train min. ← Area of Refuge

↑ Exit

1. Flushing-Main St 2min
2. Flushing-Main St 2min

Hudson Blvd East

Mezzanine
Next Train
2 min
To Hudson Blvd East
To Flushing-Main St
To Flushing-Main St

2074



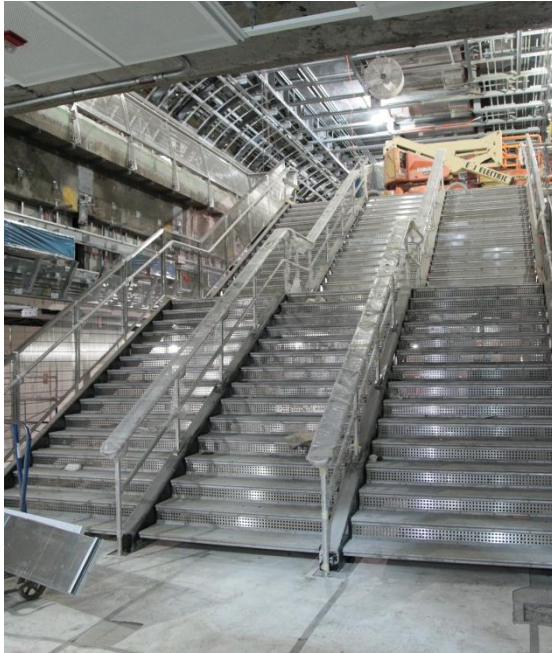
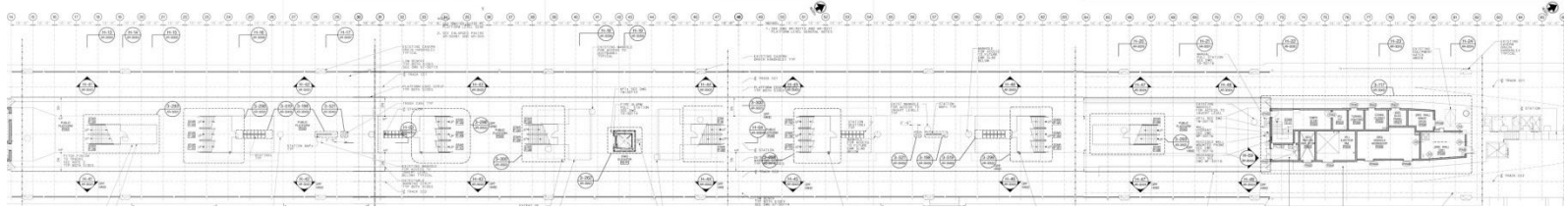
34TH STREET STATION – PLATFORM LEVEL



34TH STREET STATION - PLATFORM LEVEL
APRIL 2014



34TH STREET STATION - PLATFORM LEVEL
JUNE 2014



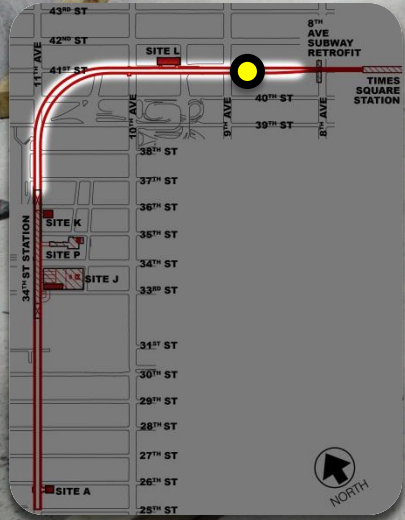
Handrails for stairs at P-4



Installing GFRG Sub-Framing and Panels on track wall

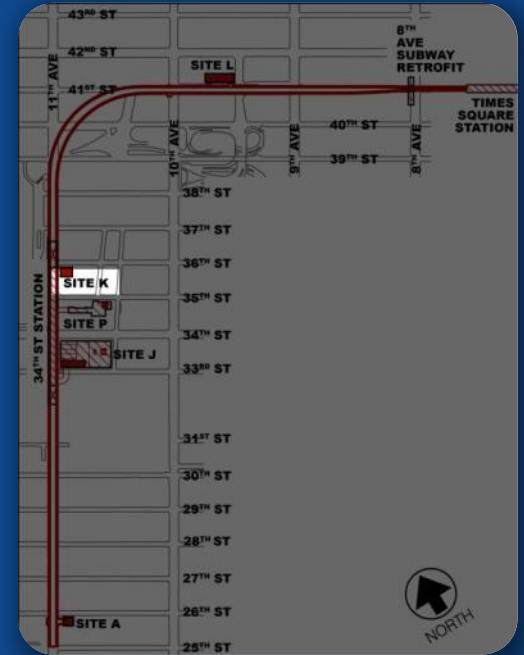


Ceiling Panels

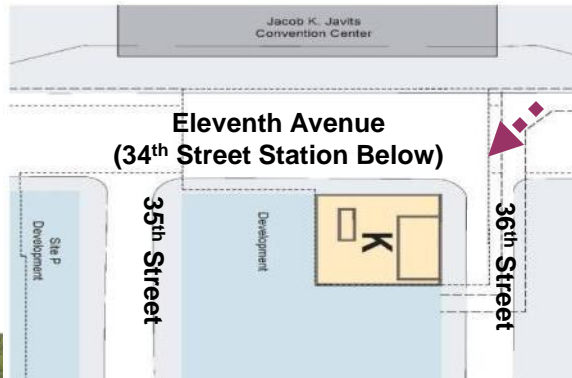


**RUNNING TUNNELS – TRACK REMEDIATION
CC2 LOOKING WEST – JUNE 2014**

SITE K



SITE K SHAFT, ADIT & VENTILATION BUILDING



Major Program Elements

- 1 Tunnel and Station Ventilation
- 2 Air Conditioning & Building Management Systems (BMS)
- 3 Tunnel, Station and Building fire standpipe system
- 4 13.2kv electrical service for Station and Vent Bldg power
- 5 UPS and Battery Rooms
- 6 Secondary Communications Room



34TH STREET

11TH AVENUE

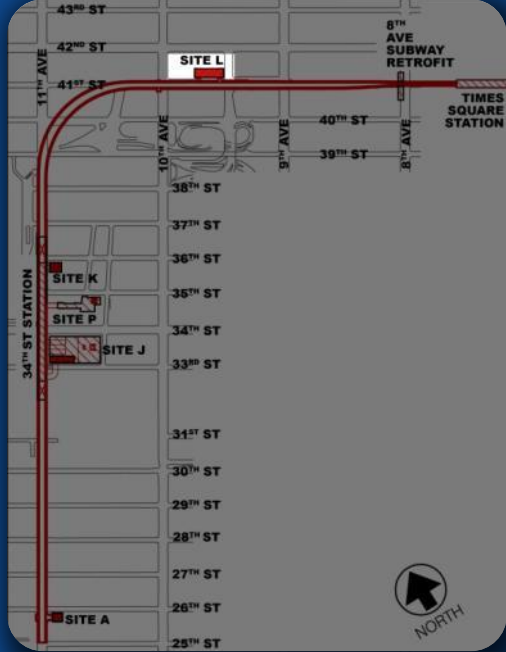
35TH STREET

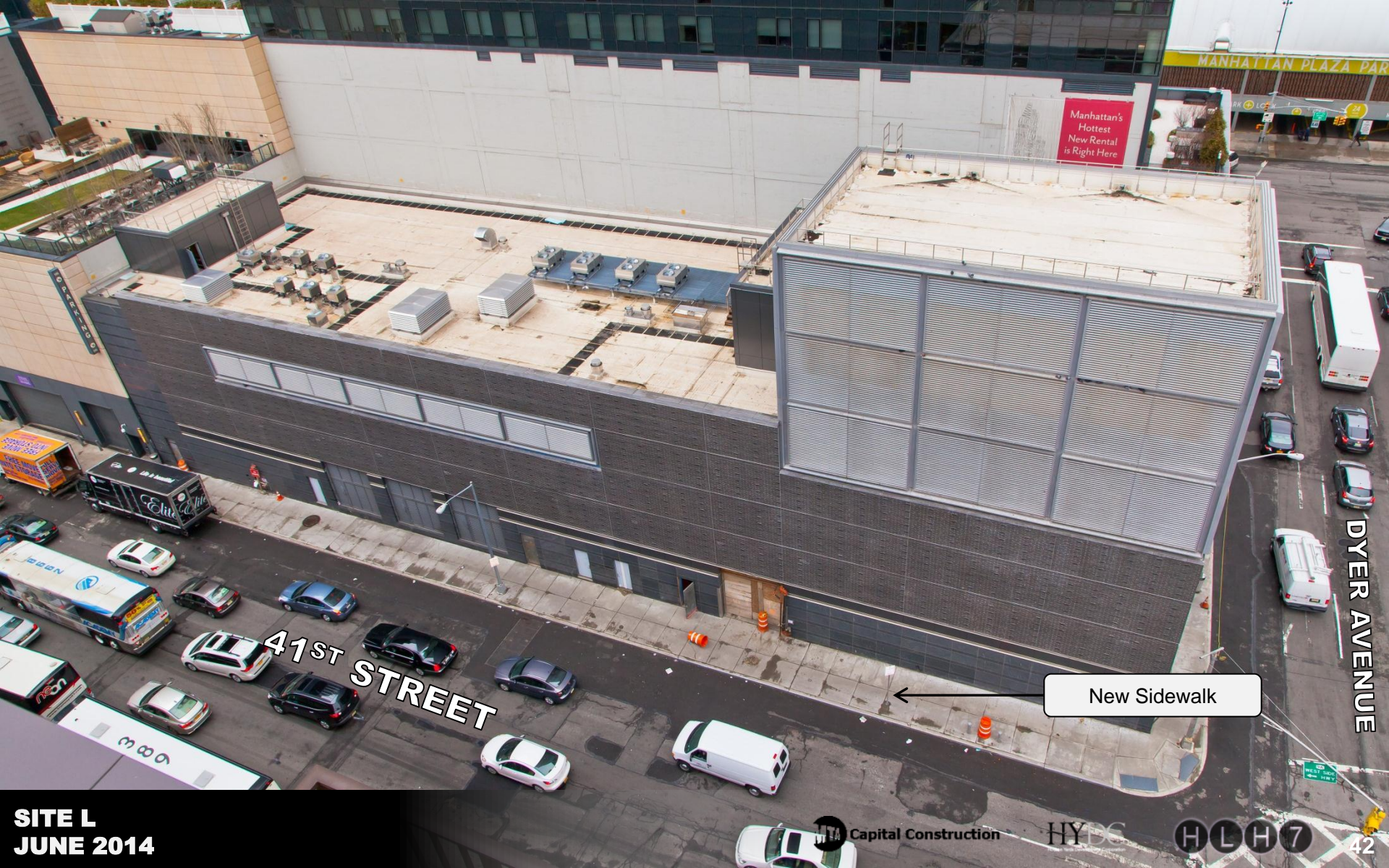
Vent Building Complete

36TH STREET

SITE K - LOOKING SOUTHWEST
JUNE - 2014

SITE L





Manhattan's
Hottest
New Rental
is Right Here

MANHATTAN PLAZA PARK

GOLETTA ZOO

DYER AVENUE

41ST STREET

New Sidewalk

SITE L
JUNE 2014

Capital Construction

HYDC

HLH7

SITE P

Contract C-26512

Awarded: 9/14/2012

Projected Substantial Completion: 4/13/2016



33RD STREET

34TH STREET

35TH STREET

35th Street

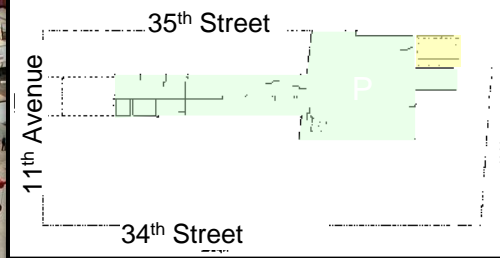
34th Street

11th Avenue

11TH AVENUE

Phase I (C-26512)

Phase II (C-26512)



**SITE P – LOOKING SOUTHWEST
JUNE 2014**

Capital Construction

HYDO

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SITE P - E3 TUNNEL

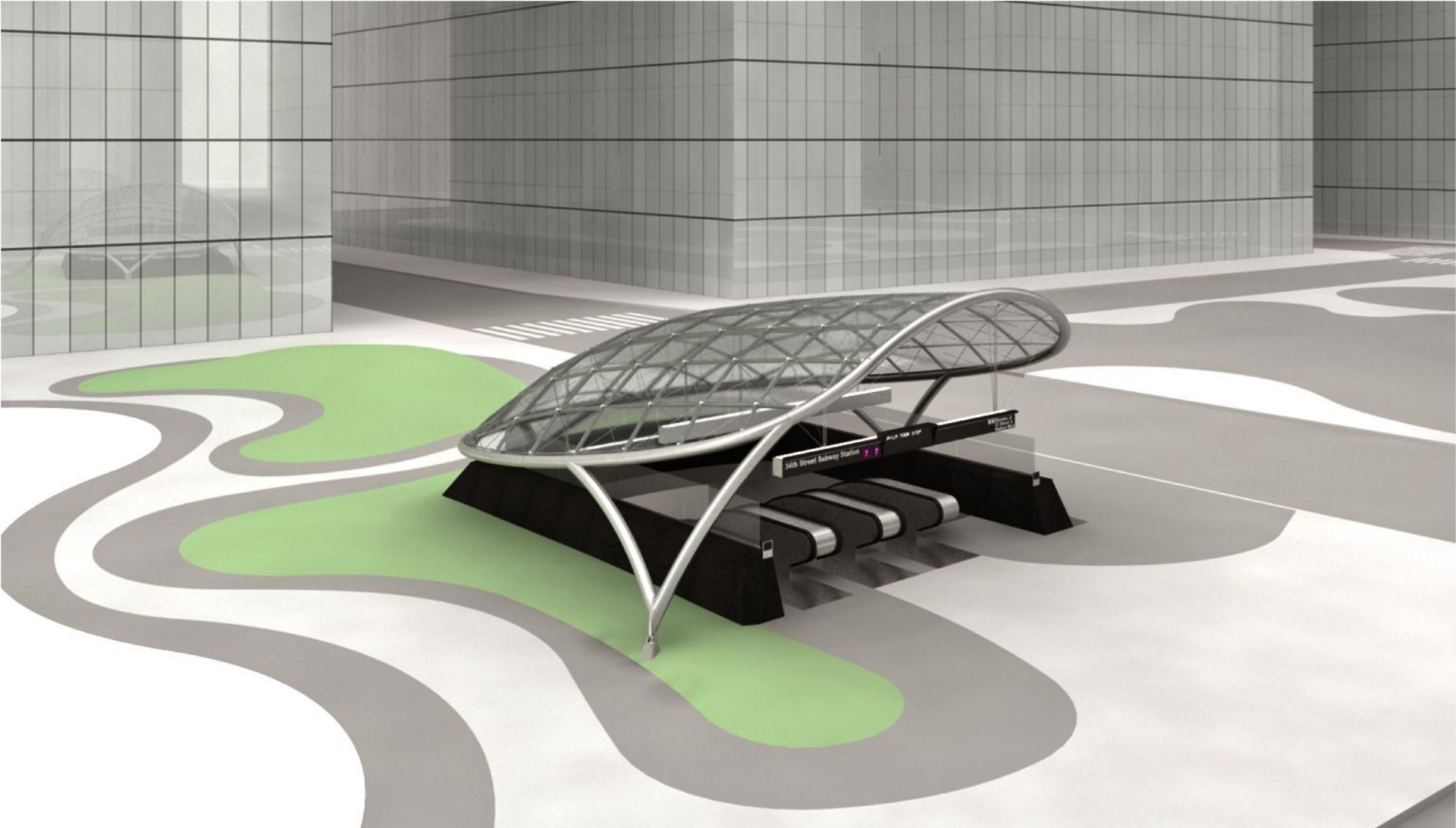
 Capital Construction

HYDC





**SITE P - UPPER MEZZANINE
PAID ZONE LOOKING WEST**



THANK YOU

