

East Side Access Project

CB6

December 2009

Site Use & Remaining Work

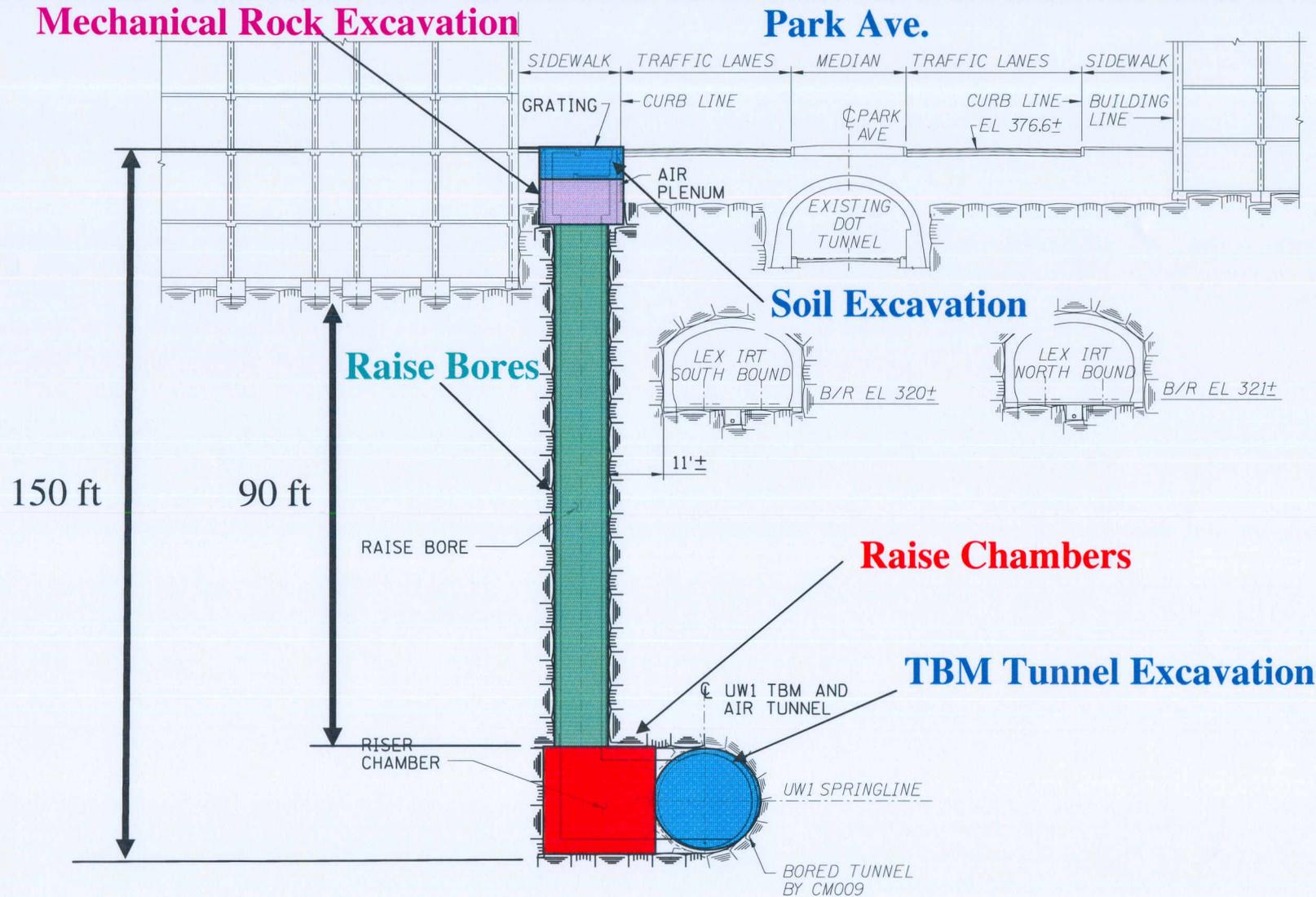
- **New Temporary Construction Access**
 - Personnel Access
 - Deliveries
 - Concrete Delivery
- **Remaining Utility Work**
- **Final Concrete of Plenum & Raise Shafts**
- **Site Restoration**

Current Condition of Work Site



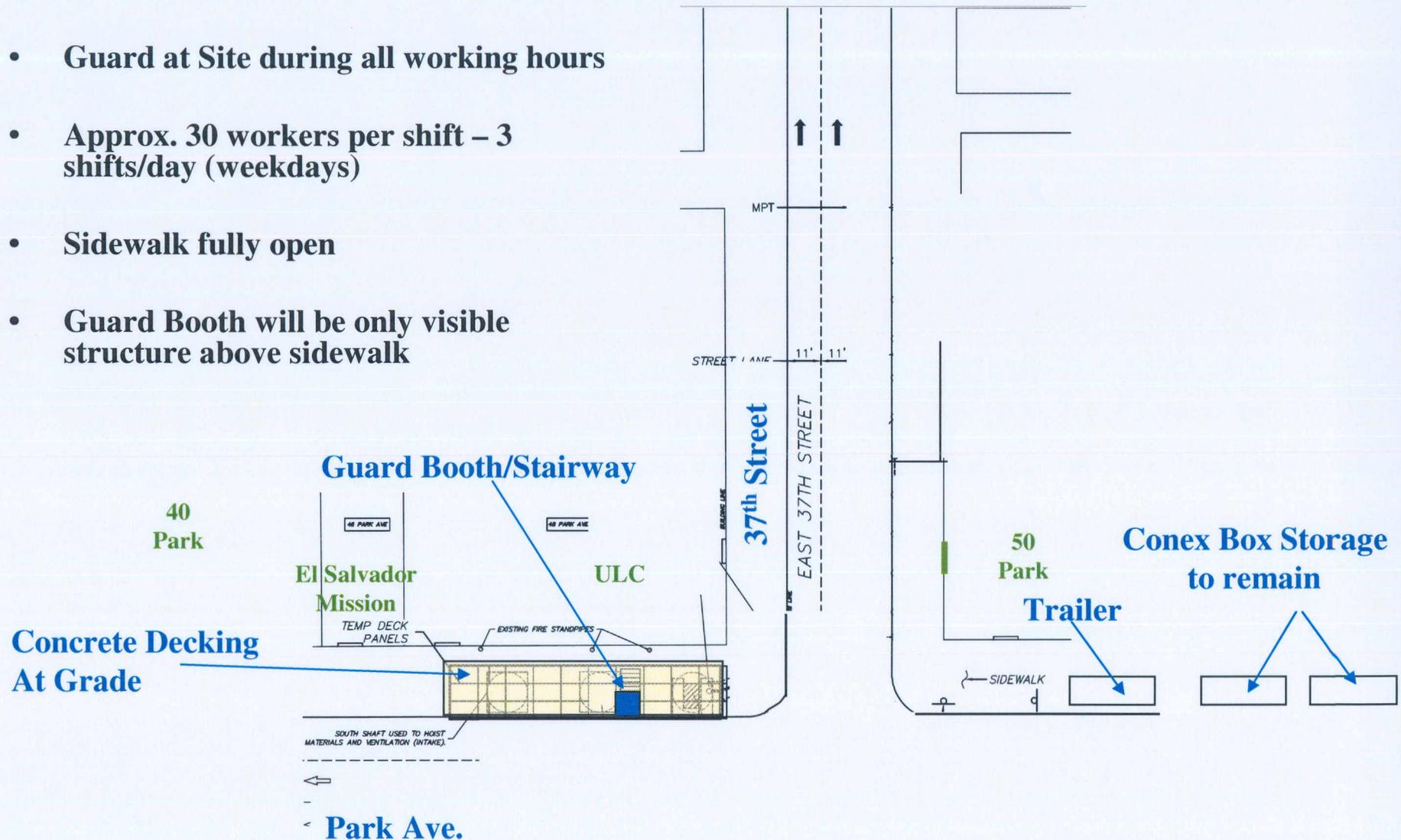
Looking South on Park Avenue

Cross Section Through Tunnels (Excavation Complete)



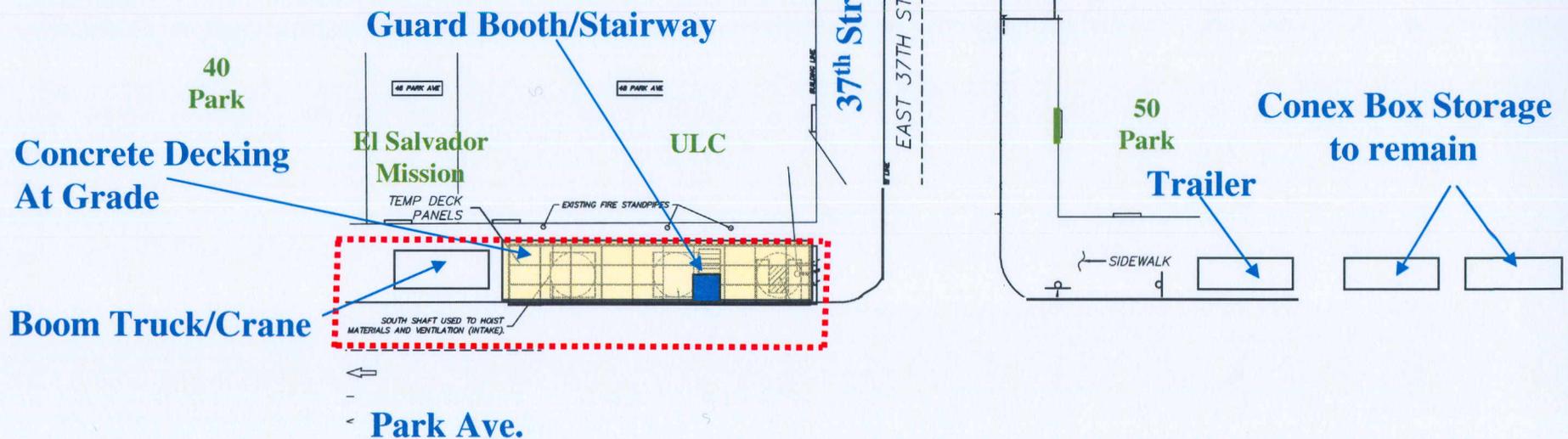
Contractor's Proposed Site Layout – Personnel Access

- Guard at Site during all working hours
- Approx. 30 workers per shift – 3 shifts/day (weekdays)
- Sidewalk fully open
- Guard Booth will be only visible structure above sidewalk



Contractor's Proposed Site Layout – Deliveries

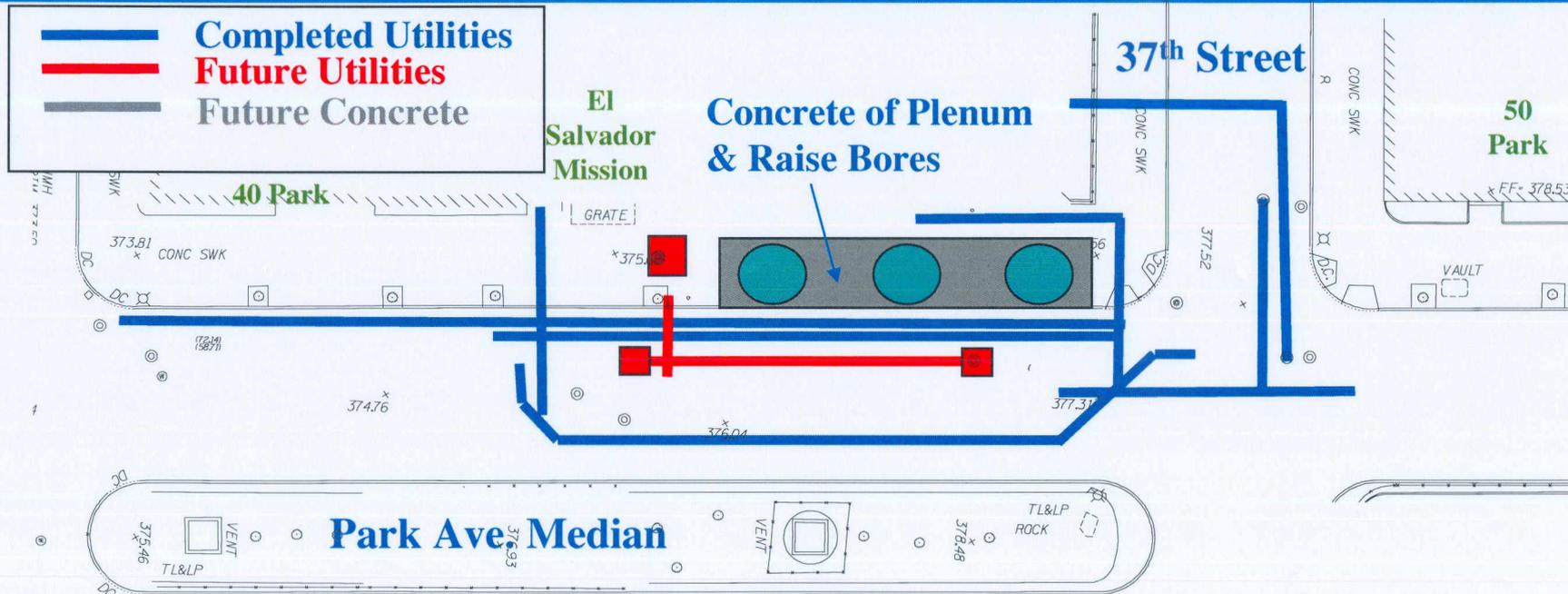
- Crane expected daily during initial 6-8 week mobilization period
- Crane expected 2-3 times per week following Mobilization
- Deliveries – 8am to 7pm (weekdays only)
- Crane will be demobilized when not needed on consecutive days
- Minimum 5' sidewalk maintained adjacent to Work Area
- No Material to be stored on sidewalk during non-working hours



Potential Alternatives for Concrete Delivery Developed by MTA

- **37th Street (Btwn Park & Madison)**
 - Traffic Concerns; Impacts to Residential Buildings
- **Pershing Square**
 - Not technical feasible due to NYCT Facilities
 - Major Utility Conflicts
 - Difficult to drill to 150' at steep angle
- **38th Street**
 - Performing Feasibility Study
 - Discussing impacts with NYCDOT & Contractor
- **Park Avenue (Preferred Alternative)**
 - Subject to NYCDOT approval
 - See Next Slide

Remaining Utility & Concrete Work



REMAINING WORK

- Realigning Existing Utilities & Potential Sewer Relocation
- Concreting of Air Plenum and Raise Bores
- Final Street Restoration

Timeline for Surface Work & Access

Description	Duration (Months)	2010				2011				2012
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
SURFACE WORKS										
Set-up for Personnel & Material Access										
Remob and Setup MPT	0.25	■								
Install Alimak (Personnel Hoist)	2.0	■	■							
Remaining Utility Work										
Water/Sewer/Telecom Replacement	2.0	■	■							
Concrete Linings of Shafts and Plenum	5.0						■	■	■	
Site Restoration	2.0									■
ACCESS & SUPPORT FOR UNDERGROUND OPERATIONS										
Access for Underground Operations	25.0	■								
38th Street Ventilation Plant - Excavation	6.0	■					■			
Concrete Operations										
Tail Tunnel Concrete	6.0		■	■	■		■	■	■	■
Miscellaneous Structures (Shotcrete)	4.0			■						
38th Street Ventilation Plant / Raise Chamb	5.5				■			■		
37th Street Raise Chambers	3.0								■	

- Street Work / Major Deliveries (Formwork) (weekdays, 8am-7pm)
- Personnel Access, Small Tools & Supplies wkdays, 24 hrs (Deliveries req crane: 2-3 times per wk, 8am-7pm)
- Concrete Supply (weekdays, 8am - 7pm)
- Concrete/Shotcrete Supply (2-3 times per week 8am - 7pm)