

MBTA QUINCY CENTER GARAGE

Demolition

April 6, 2017



Agenda

- Introductions
- Project Overview
- Safety
- Temporary Busway
- Restore Accessibility to Burgin Pkwy.
- Demolition Methods
- Phasing
- Site Restoration After Completion of Demo

Quincy Center Garage Demolition

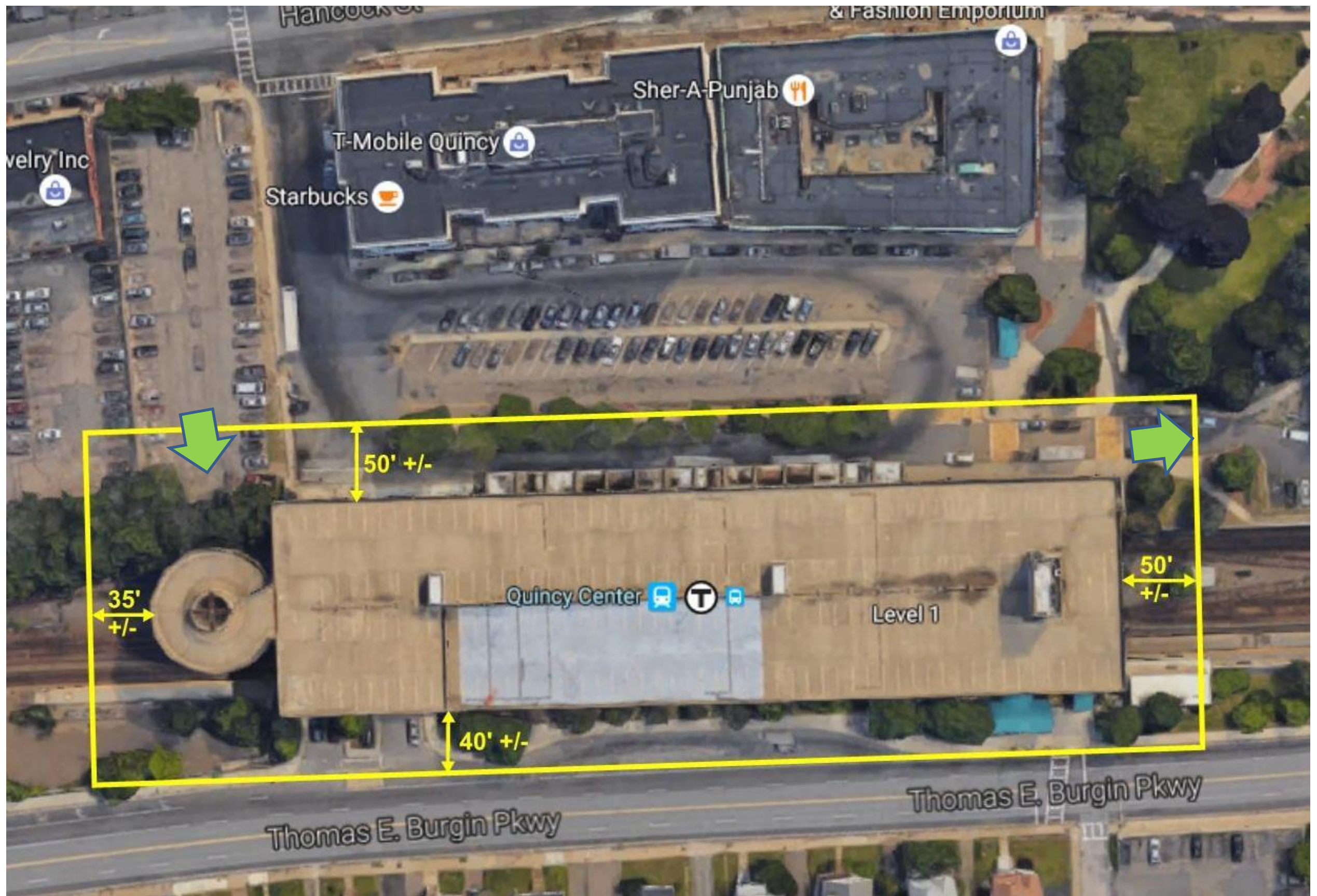
- **Purpose:**
Advance Phase I of Quincy Center Station Air Rights Redevelopment
- **Scope:**
Remove garage above Level 2, Replace existing elevator, Add accessible entrance at Burgin Parkway
- **Notice to Proceed:**
Summer 2017
- **Construction Duration** – 18 months (July 2017 – December 2018)
- **Construction Value** - \$25M



DEMOLISH LEVELS 3, 4 AND 5

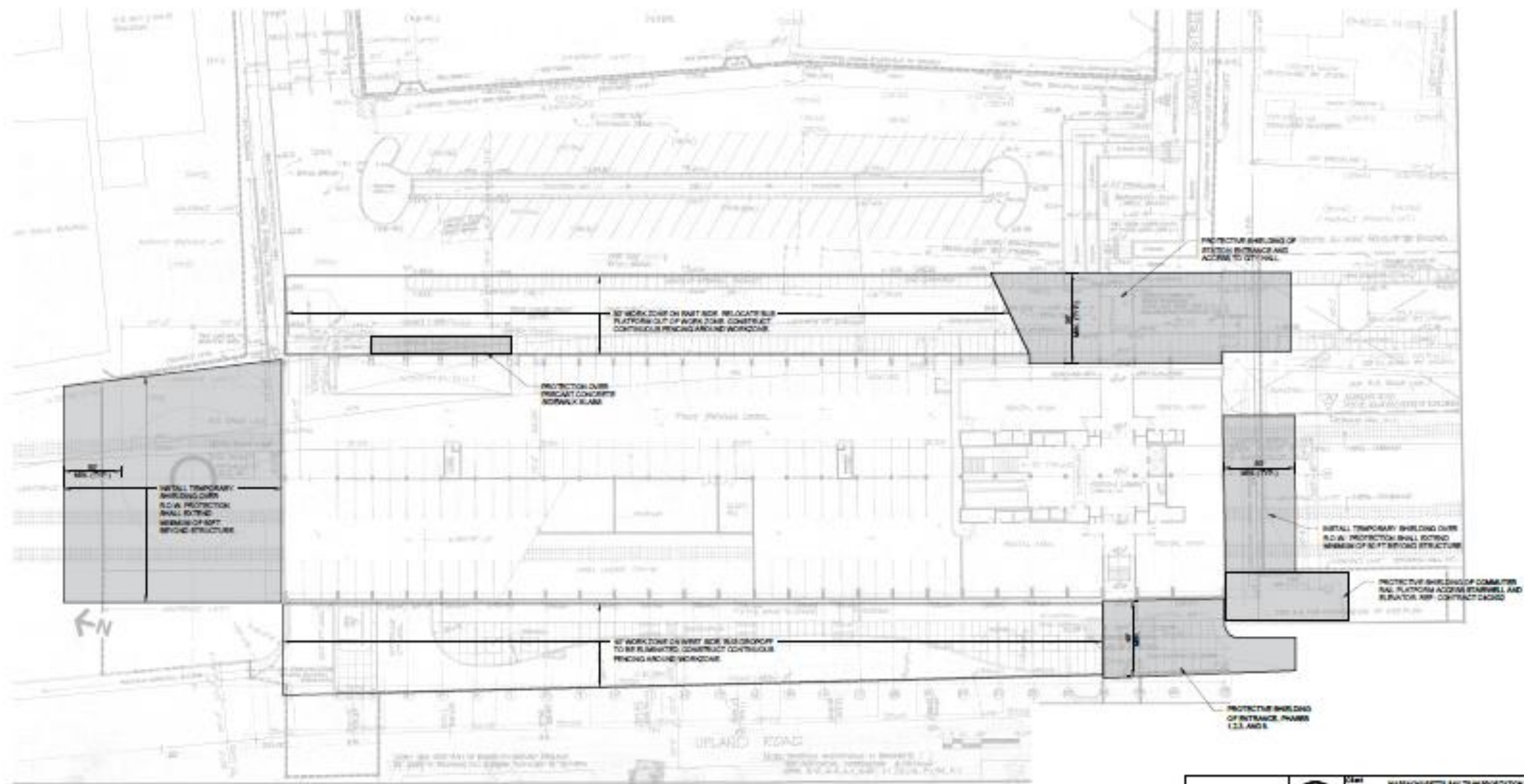


MBTA Quincy Center Garage Demolition



Safety

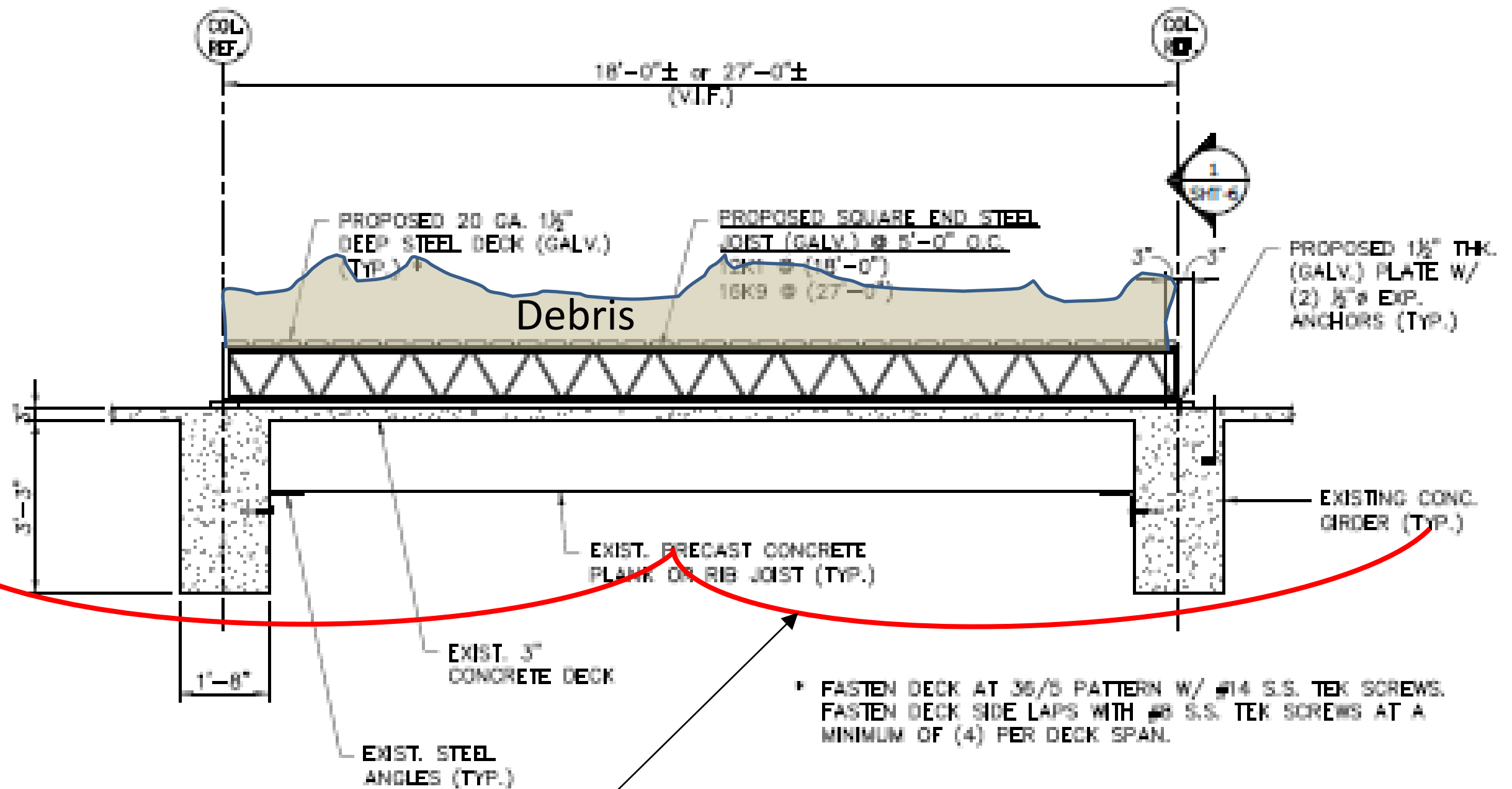
Proposed Temporary Overhead Shielding



DRAFT SUBMISSION
NOT FOR
CONSTRUCTION

		Title QUINCY CENTER GARAGE DEMOLITION LIMITS OF SITE TEMPORARY SHIELDING	
Drawing QUINCY CENTER GARAGE DEMOLITION LIMITS OF SITE TEMPORARY SHIELDING		Massachusetts Bay Transportation Authority	
Approved by [Signature]		Approved by [Signature]	
Scale: AS SHOWN Date: 1/1/18		Sheet: D-003 1 OF 1	

MBTA Quincy Center Garage Demolition



Net above occupied spaces to catch minor beam spalls

Safety





The site layout plan illustrates the temporary construction details for the Quincy Center Garage Demolition. Key features include:

- Section A:** A cross-section view at the top of the plan showing the vertical alignment of the road, including the 12' TEMP SIDEWALK, 10' TEMP BUS LOADING ZONE, 8' TEMP TAXI PARKING ZONE, and existing bus loop and curb details.
- Temporary Bus Stop:** Located in the center of the plan, showing temporary bus shelters, a temporary bus stop sign, and a temporary bus stop island.
- Parking Areas:** Includes City Employees Parking, Temporary Bus Drop-Off, and Temporary Bus Pick-Up areas.
- Infrastructure:** Shows the location of the Elevator, New Feeting Ramp, and Temporary Crosswalk.
- Construction Details:** Includes notes on removing and installing curbs, sidewalks, and bus loop areas, as well as installing temporary bus stop signs and shelters.
- Scale and Orientation:** A scale bar indicates 0, 40, and 80 feet. A north arrow points towards the top of the plan.
- Legend:** A legend box in the bottom right corner contains the text "NOT FOR CONSTRUCTION".

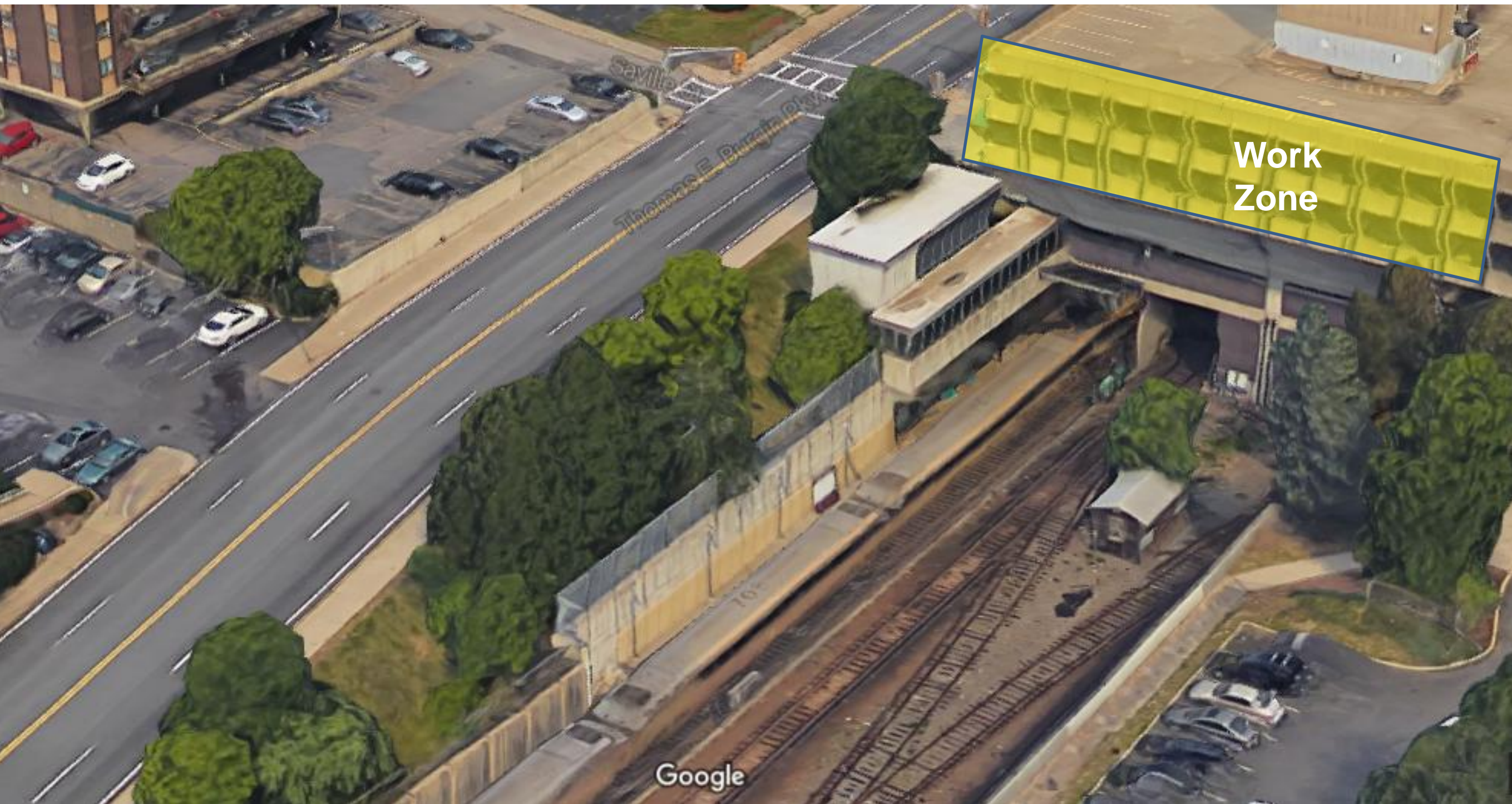
No.	Description	Cost
100% SUBMISSION		

	Client MASSACHUSETTS BAY TRANSPORTATION AUTHORITY					
	Project WOLLASTON STATION IMPROVEMENTS MBTA CONTRACT NO. A706201					
Drawing QUINCY CENTER GARAGE DEMOLITION - SITE PREPARATION PLAN						
	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY					
	APPROVED BY: Project Manager					
APPROVED BY: Project Manager		DATE				
SCALE: AS NOTED	DATE: 05/05/07	<table border="1"> <tr> <td>DATE: 05/05/07</td> <td>BY: CJD</td> <td>DATE: 05/05/07</td> <td>BY: NPM</td> </tr> </table>	DATE: 05/05/07	BY: CJD	DATE: 05/05/07	BY: NPM
DATE: 05/05/07	BY: CJD	DATE: 05/05/07	BY: NPM			
PLAN NO. _____ SHEET QC-C-02 OF 7		(SEAL) 				

Existing Burgin Parkway Station Entrance





Burgin Parkway South Approach

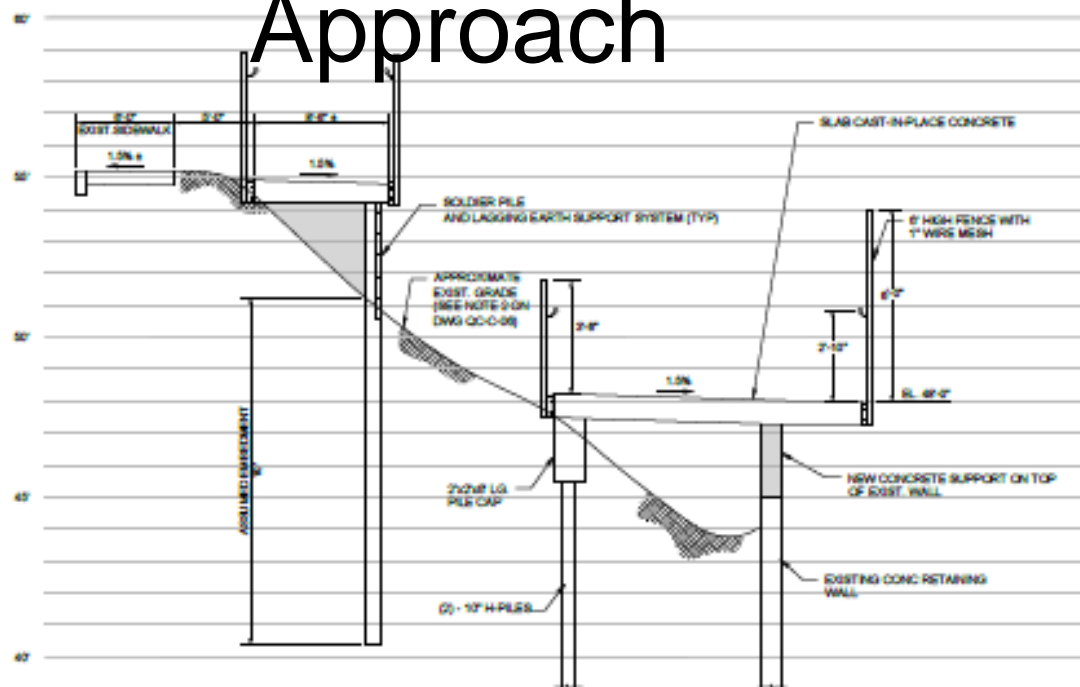


1. INFORMATION SHOWN ON THE DRAWING FOR GENERAL REFERENCE ONLY. CONTRACTOR WILL PROVIDE FINAL CONTRACT DRAWINGS AND SPECIFICATIONS SHOWING CONSTRUCTION DETAILS OF PROPOSED ACCESSIBLE WALKWAY, WHICH WILL BE PAID FOR AS AN ALLOWANCE UNDER PAYMENT ITEM SUBSET - ALLOWANCE.
2. ELEVATIONS SHOWN ARE APPROXIMATE BASED ON AN ASSUMED LEVEL ELEVATION OF 48.00 FT AT THE STAIRWELL SLAB WHERE THE NEW WALKWAY CONNECTS TO THE EXISTING STRUCTURE. THE CONTRACTOR SHALL PERFORM A DETAILED TOPOGRAPHIC SURVEY OF THE AREA TO ESTABLISH EXACT ELEVATIONS AND GROUND CONTOURS.
3. CUT AN 8" X 8" OPENING IN EXISTING 12" THICK CONCRETE PARAPET WALL CENTERED IN EXISTING HALLWAY. REMOVE EXISTING GLASS WALL AND FRAMING BACK TO EXISTING CORNER COLUMNS.
4. WALKWAY SHALL HAVE CLEAR WIDTH OF 8' 0".
5. MAXIMUM WALKWAY SLOPE SHALL NOT EXCEED 4.5%. MAXIMUM CROSS SLOPE SHALL NOT EXCEED 1.5%.
6. REMOVE ALL TREES AND VEGETATION WHICH INTERFERES WITH PROPOSED WALKWAY CONSTRUCTION.

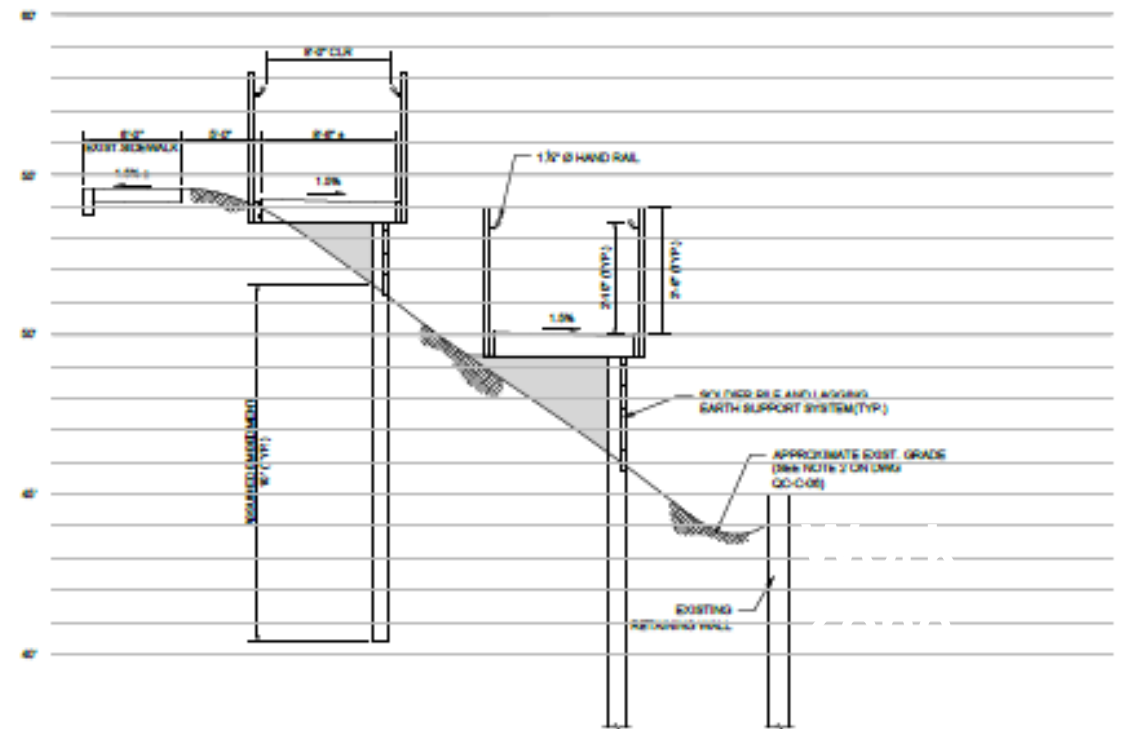
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CONSTRUCTION

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			Project: BOSTON STATION IMPROVEMENTS MBTA CONTRACT NO. A20201					
Drawing: QUINCY CENTER GARAGE DEMOLITION TEMPORARY ACCESSIBLE WALKWAY PLAN VIEW								
<div style="border: 1px solid black; padding: 5px;">  </div>		MASSACHUSETTS BAY TRANSPORTATION AUTHORITY						
APPROVED BY:		APPROVED BY:						
Project Manager:		Project Manager:						
No.	Description	Date	REV. BY	REV. DT	REV. BY	REV. DT	PLAN NO.	ISSUED
100% SUBMISSION			SCALE: AS NOTED	APR	CJD	APR	ISSUED: QC-C-06	1 OF 1

Approach



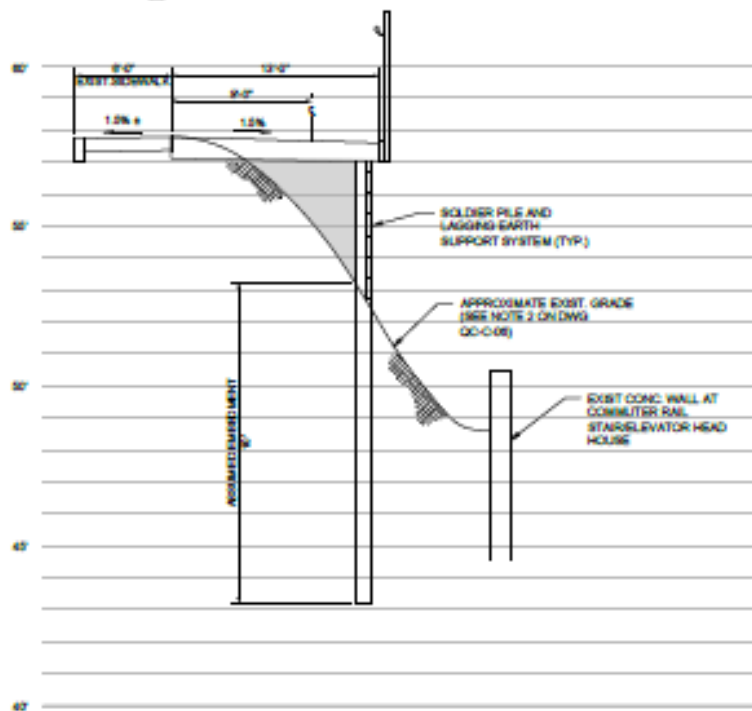
A SECTION



B **SECTION**
C-06

SCALE: VERT 3/8" = 1'-0"
HORIZ 3/16"=1'-0"

NOTES:
1. FOR ACCESSIBLE WALKWAY NOTES SEE DRAWING QO-C-08.



SECTION

UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON
THIS DRAWING WILL BE PAID FOR AS AN ALLOWANCE
UNDER PAYMENT ITEM 0160.007 - ALLOWANCE

NOT FOR
CONSTRUCTION

<div>NOT FOR CONSTRUCTION</div>		<div>T</div>	Client: MASSACHUSETTS BAY TRANSPORTATION AUTHORITY			
			Project: BOLLARDON STATION IMPROVEMENTS			
			MBTA CONTRACT NO. A70C801			
			Drawing: QUINCY CENTER GARAGE DEMOLITION TEMPORARY ACCESSIBLE WALKWAY SECTIONS AND DETAILS			
		<div>KLEINFELDER ASSOCIATES</div>	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY			
			APPROVED BY:			
			PROJECT MANAGER:			
			DATE:			
No.	Description	Date	DATE BY	DATE BY	DATE BY	PLAN NO.
			SCALE: AS NOTED	NPS	CJD	APM
			100% SUBMISSION			
						SHEET QC-C-07 OF 7

Demolition Methods

- • Cut and pick
- ~~Implosion~~
- ~~Wrecking ball~~
- • Long-boom excavators with rotating wide mouth pulverizers
- • Small equipment hammers/pulverizers



MBTA Quincy Center Garage Demolition

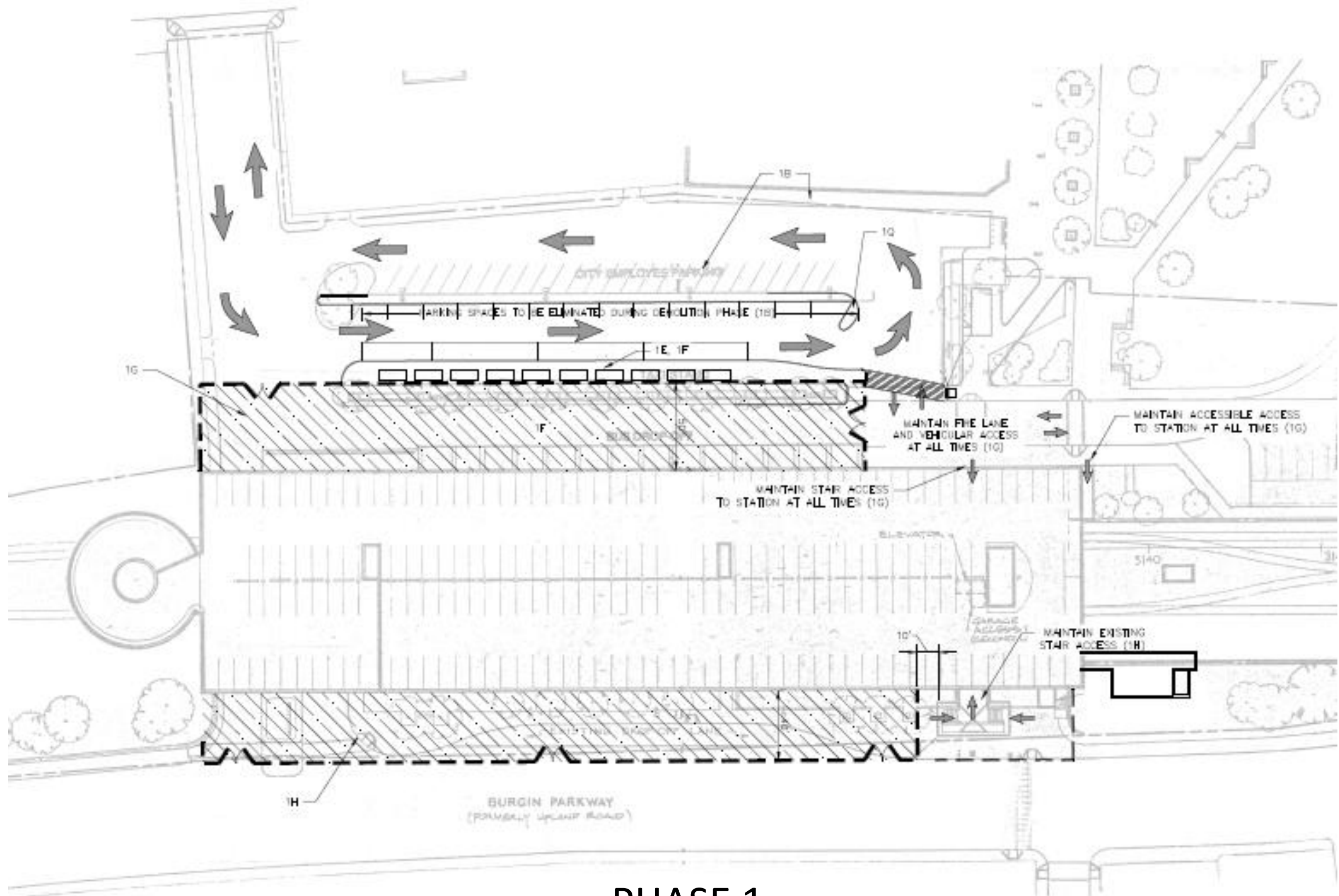


Example of Long-Boom Excavator Demolishing Building

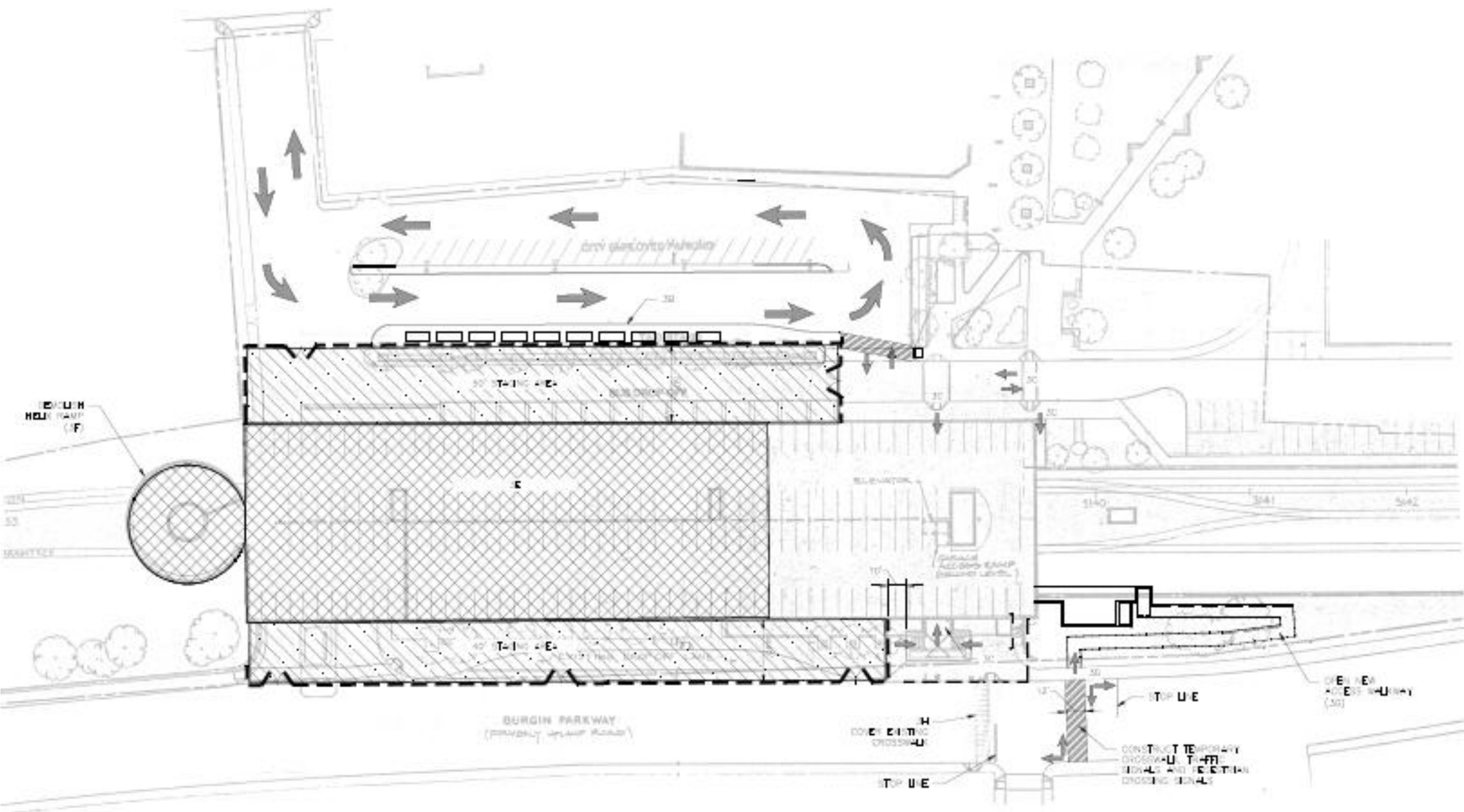
MBTA Quincy Center Garage Demolition



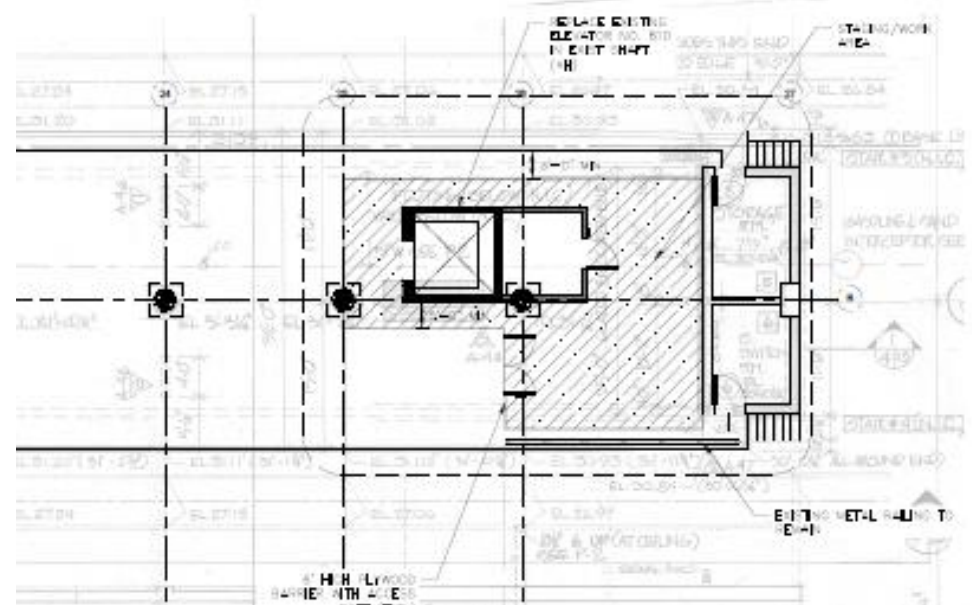
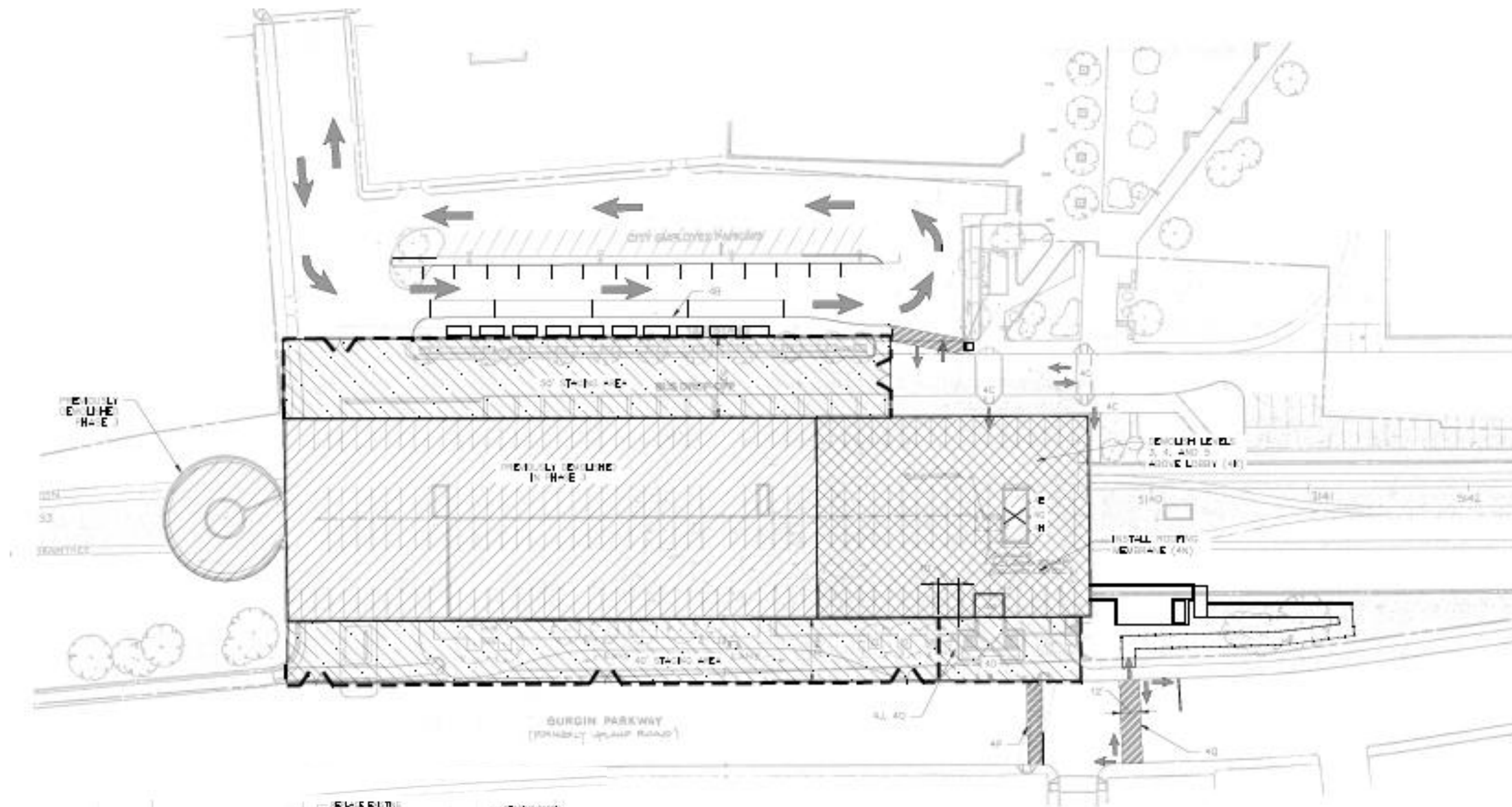
Example of Concrete Beam Being Pulverized



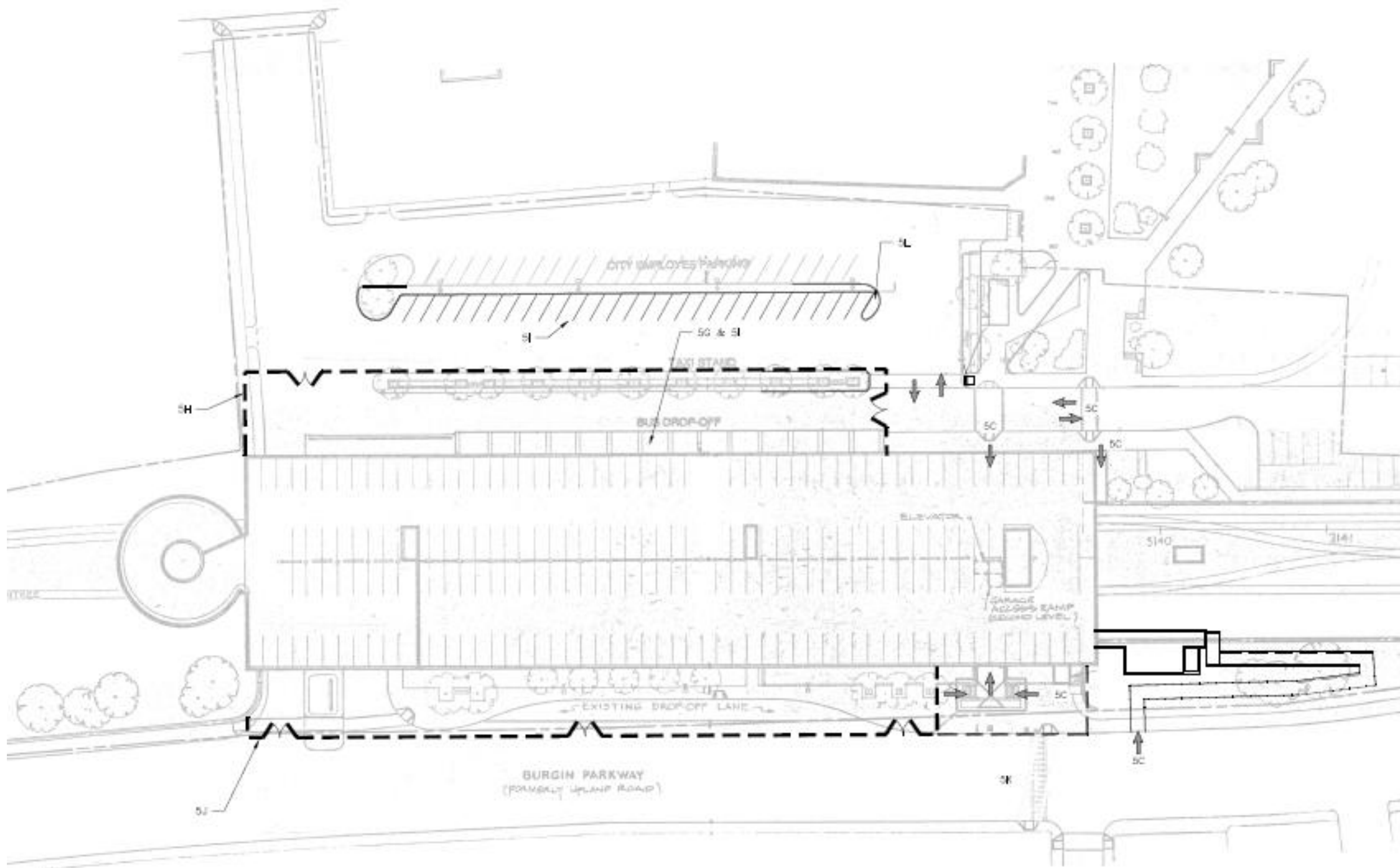
PHASE 1



PHASE 3



PHASE 4



PHASE 5

MBTA Quincy Center Garage Demolition

THANK YOU

