

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

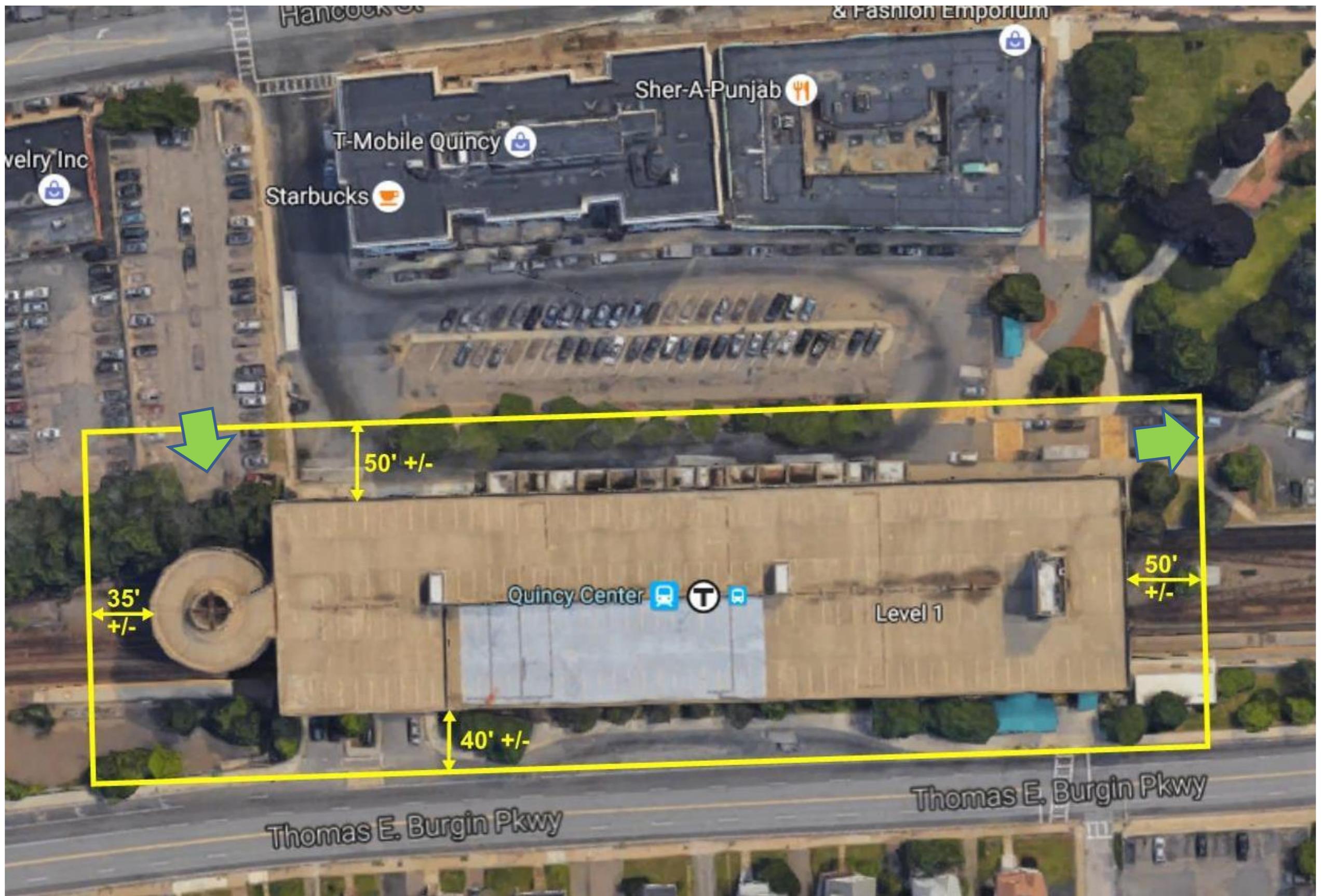
- **Purpose:**
Advance Phase I of Quincy Center Station Air Rights Redevelopment
- **Scope:**
Remove garage above Level 2, Replace existing elevator, Add accessible entrance at Burgin Parkway
- **Notice to Proceed:**
Summer 2017
- **Construction Duration** – 18 months (July 2017 – December 2018)
- **Construction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



DEMOLISH LEVELS 3, 4 AND 5

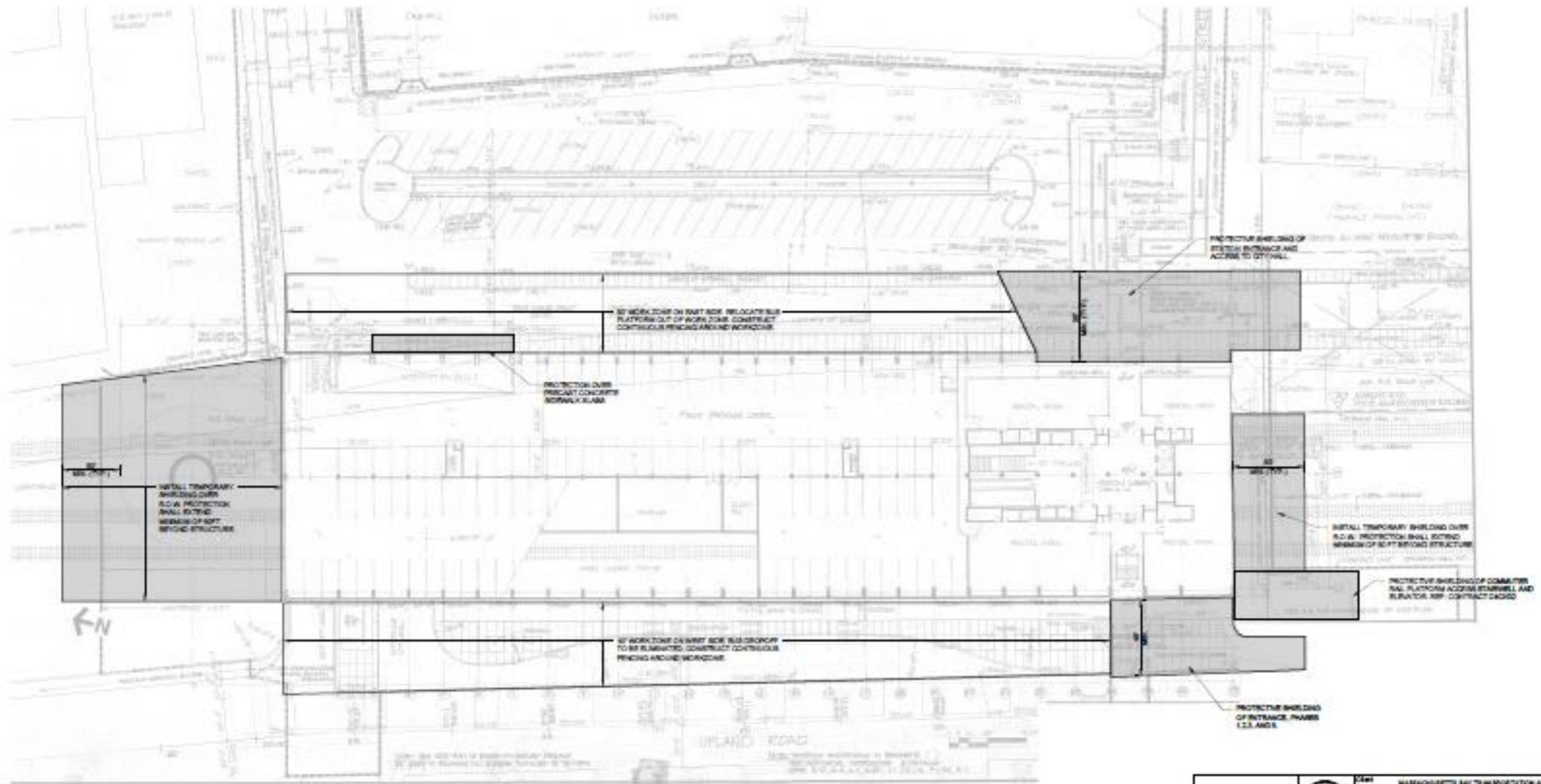


MBTA Quincy Center Garage Demolition



Safety

Proposed Temporary Overhead Shielding

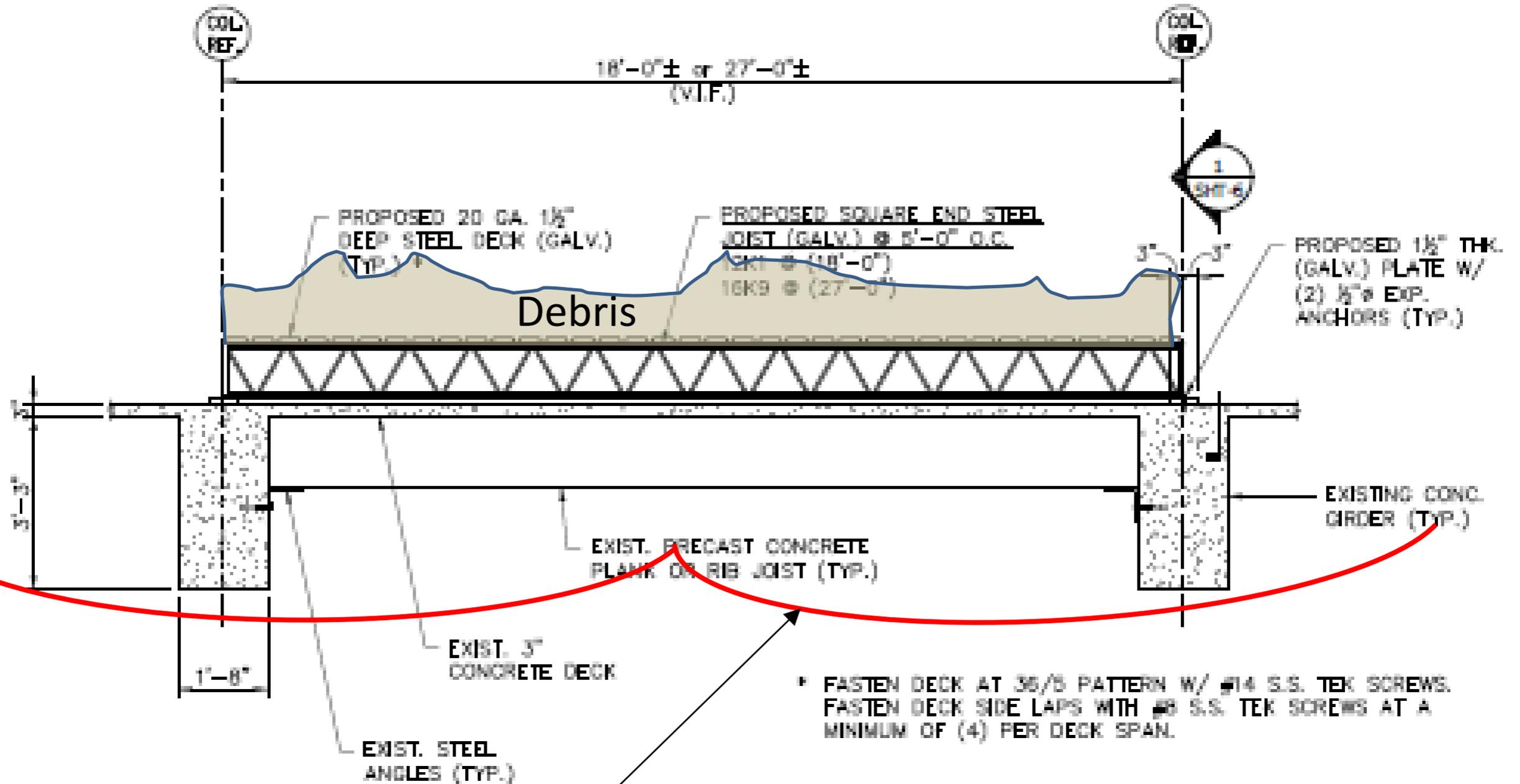


LIMITS OF SITE TEMPORARY SHIELDING
 SEE TEXT FOR DETAILS

DRAFT SUBMISSION
 NOT FOR
 CONSTRUCTION

T	Client	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
	Project	ROLAND STATION IMPROVEMENTS METS CONTRACT NO. 400681
Phase	QUINCY CENTER GARAGE DEMOLITION LIMITS OF SITE TEMPORARY SHIELDING	
KLINGSTUBBINS	Approved By	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
	Drawn By	DATE
Scale	AS SHOWN	DATE: 1/11/18
Sheet No.	D-003	1 OF 1

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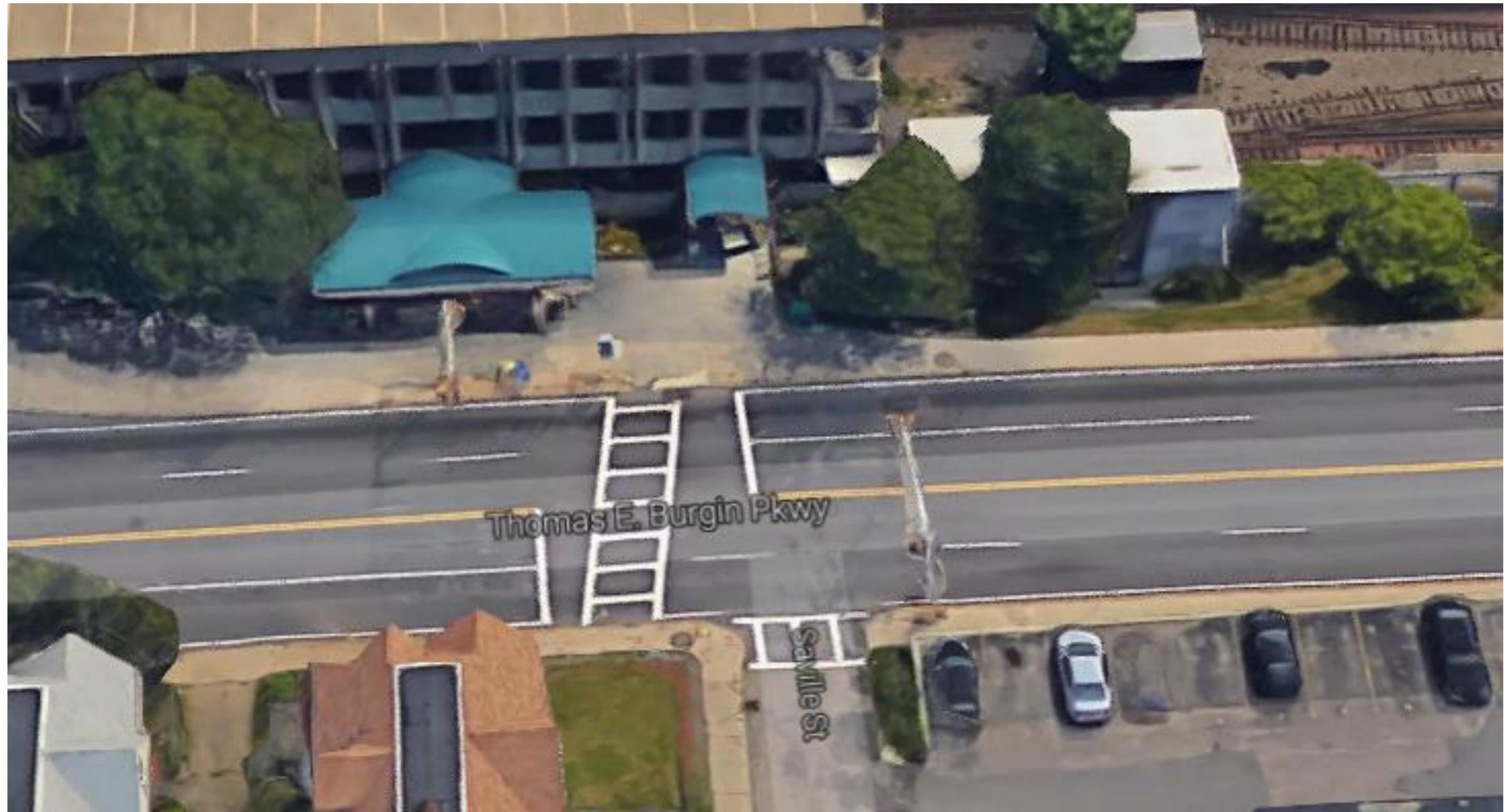
Net above occupied spaces to catch minor beam spalls

Safety

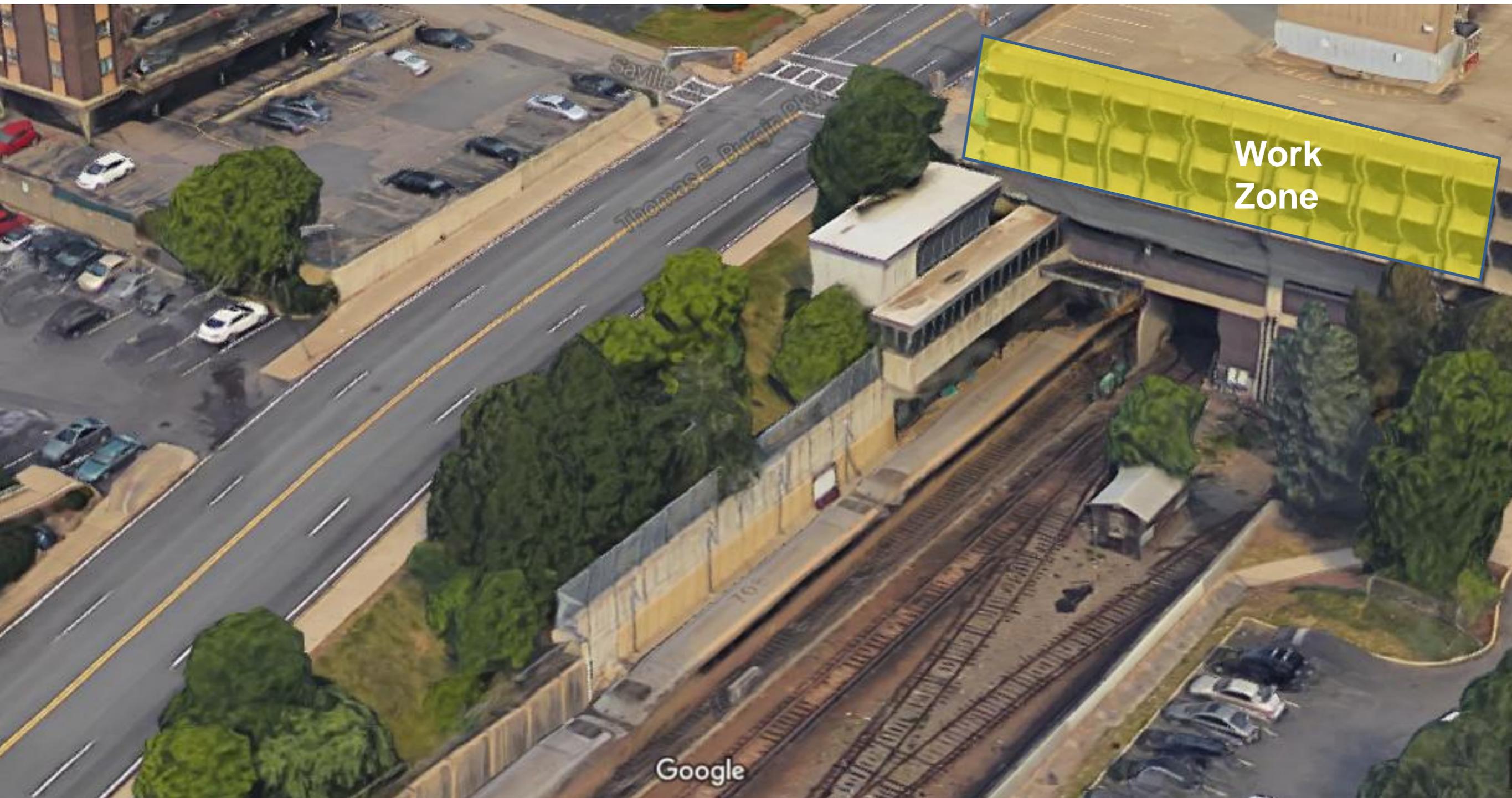




Existing Burgin Parkway Station Entrance



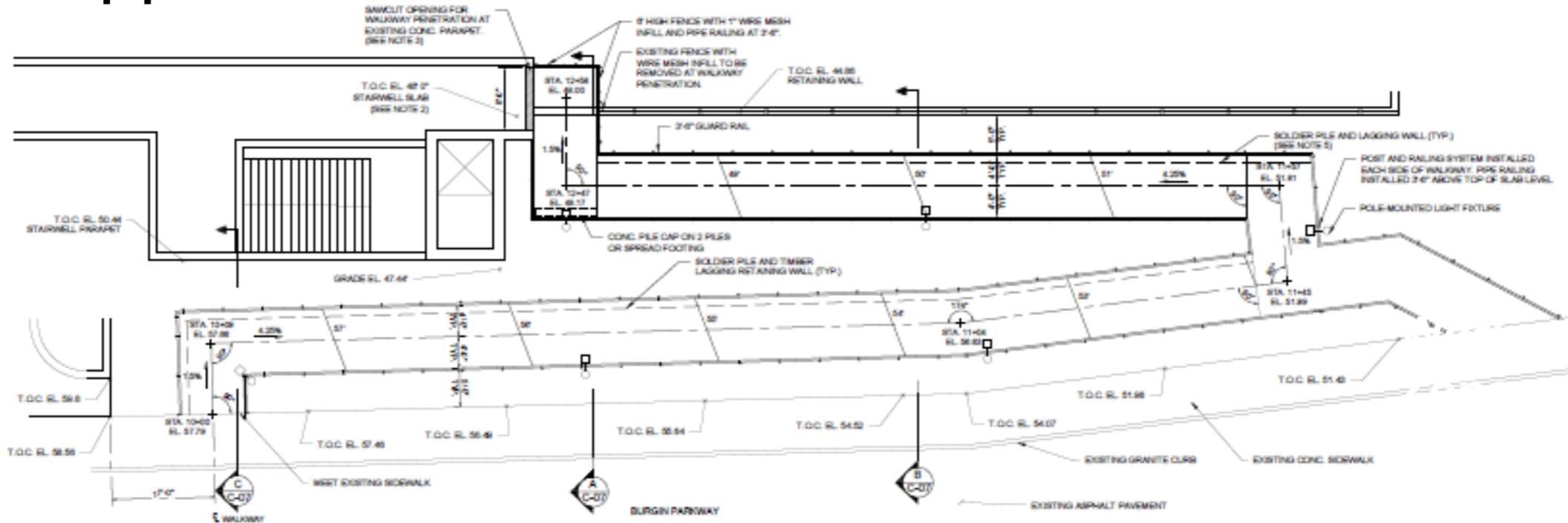
Burgin Parkway South Approach



Work
Zone

Google

Burgin Parkway Proposed South Approach



BURGIN PARKWAY ENTRANCE TEMPORARY WALKWAY
SCALE 1/8" = 1'-0"

- NOTES**
1. INFORMATION SHOWN ON THIS DRAWING FOR GENERAL REFERENCE ONLY. ENGINEER SHALL PROVIDE FINAL CONTRACT DRAWINGS AND SPECIFICATIONS SHOWING CONSTRUCTION DETAILS OF PROPOSED ACCESSIBLE WALKWAY, WHICH WILL BE PAID FOR AS AN ALLOWANCE UNDER PAYMENT ITEM 0160.007 - ALLOWANCE.
 2. ELEVATIONS SHOWN ARE APPROXIMATE BASED ON AN ASSUMED LEVEL. ELEVATION OF GROUND 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'-0" OPENING IN EXISTING 12" THICK CONCRETE PARAPET WALL CENTERED IN EXISTING HALLWAY. REMOVE EXISTING GLASS WALL AND FRAMING BACK TO EXISTING CORNER COLUMN.
 4. WALKWAY SHALL HAVE CLEAR WIDTH OF 8'-0".
 5. MAXIMUM WALKWAY SLOPE SHALL NOT EXCEED 4.25%. MAXIMUM CROSS SLOPE SHALL NOT EXCEED 1.5%.
 6. REMOVE ALL TREES AND VEGETATION WHICH INTERFERES WITH PROPOSED WALKWAY CONSTRUCTION.

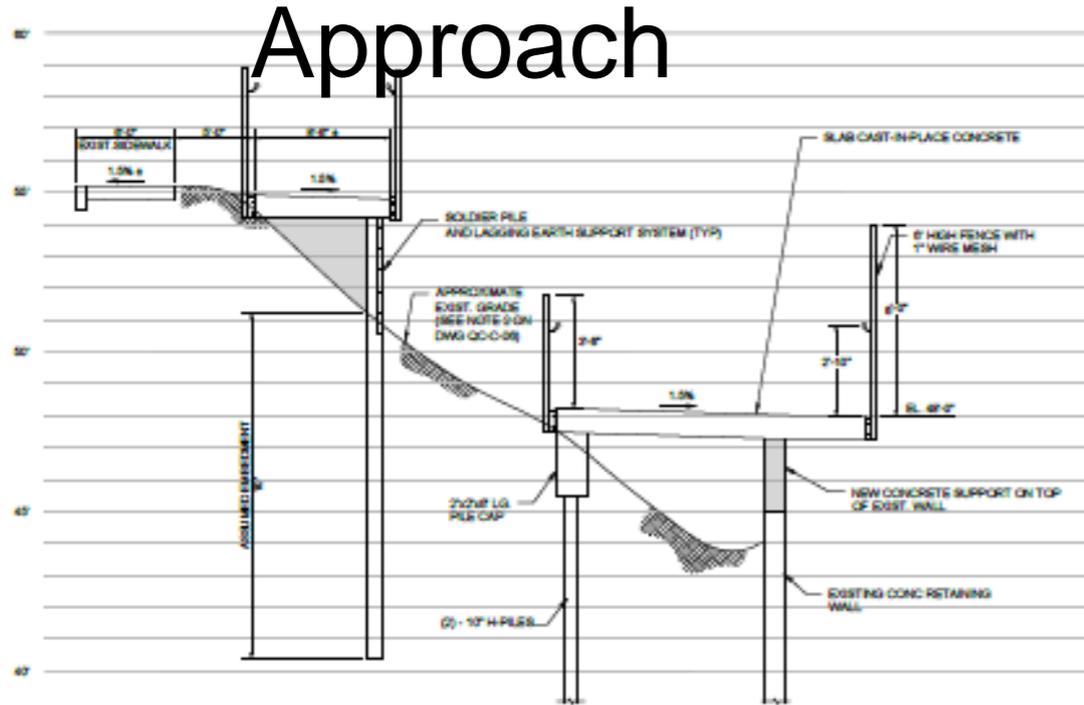
UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON THIS DRAWING WILL BE PAID FOR AS AN ALLOWANCE UNDER PAYMENT ITEM 0160.007 - ALLOWANCE

NOT FOR CONSTRUCTION

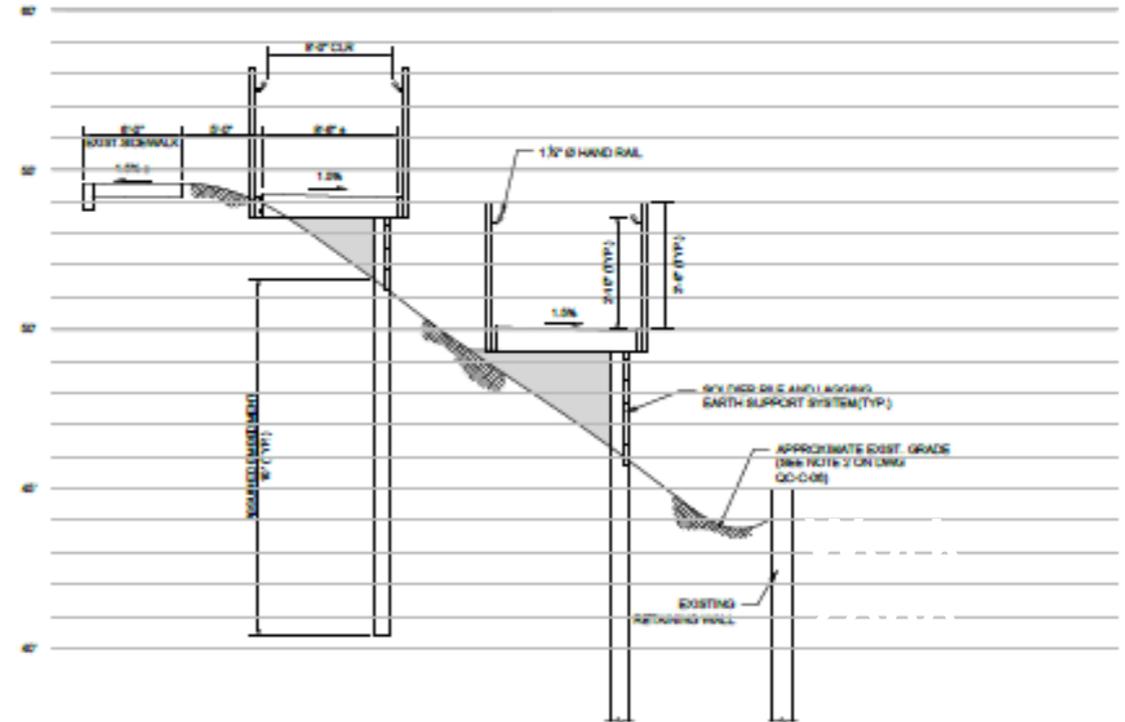
T	Client	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
	Project	BOLLARDTON STATION IMPROVEMENTS MBTA CONTRACT NO. A170201
Drawing	QUINCY CENTER GARAGE DEMOLITION TEMPORARY ACCESSIBLE WALKWAY PLAN VIEW	
Author	MARCUS & MARTIN	
Checked	MARCUS & MARTIN	
Approved	MARCUS & MARTIN	
Scale	AS NOTED	DATE: 02/22/17
Revision	100% SUBMISSION	DATE: 02/22/17
PLAN NO.	QC-C-06	1 OF 7



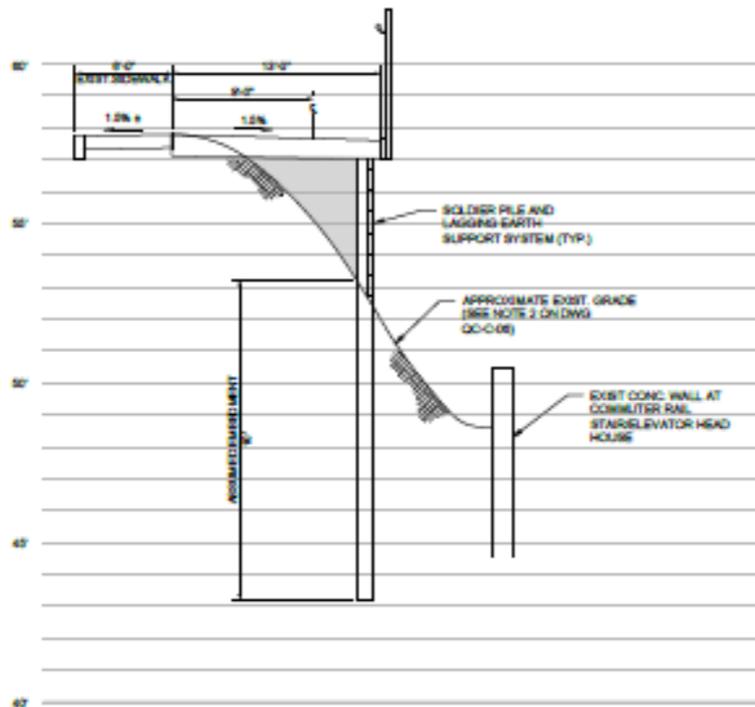
Burgin Parkway Proposed South Approach



A SECTION
C-06



B SECTION
C-06



C SECTION
C-06

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

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

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

	<p>100% SUBMISSION</p>	<p>DATE: 02/28/17</p>	<p>SCALE: AS NOTED</p>	<p>APP'D BY: [Signature]</p>	<p>DATE: 02/28/17</p>	<p>PROJECT: QUINCY CENTER GARAGE DEMOLITION TEMPORARY ACCESSIBLE WALKWAY SECTIONS AND DETAILS</p>	<p>CLIENT: MASSACHUSETTS BAY TRANSPORTATION AUTHORITY</p>	<p>PROJECT: WOLLASTON STATION IMPROVEMENTS</p>	<p>CONTRACT: MFTA CONTRACT NO. A107001</p>	<p>DESIGNER: [Logo]</p>	<p>APPROVED BY: [Signature]</p>	<p>DATE: 02/28/17</p>	<p>PLAN NO.: QC-C-07</p>	<p>1 OF 1</p>

Demolition Methods

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



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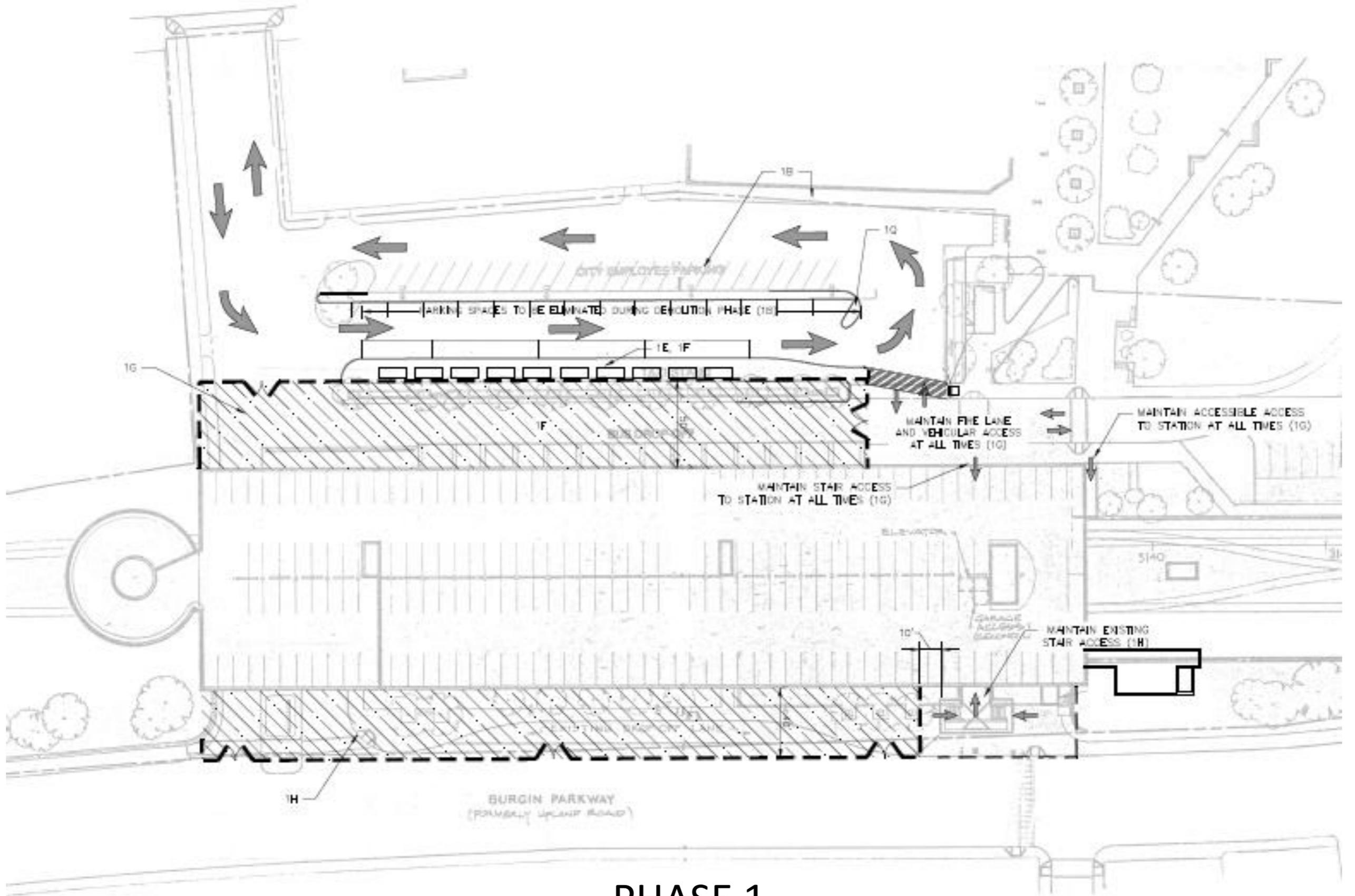


Example of Long-Boom Excavator Demolishing Building

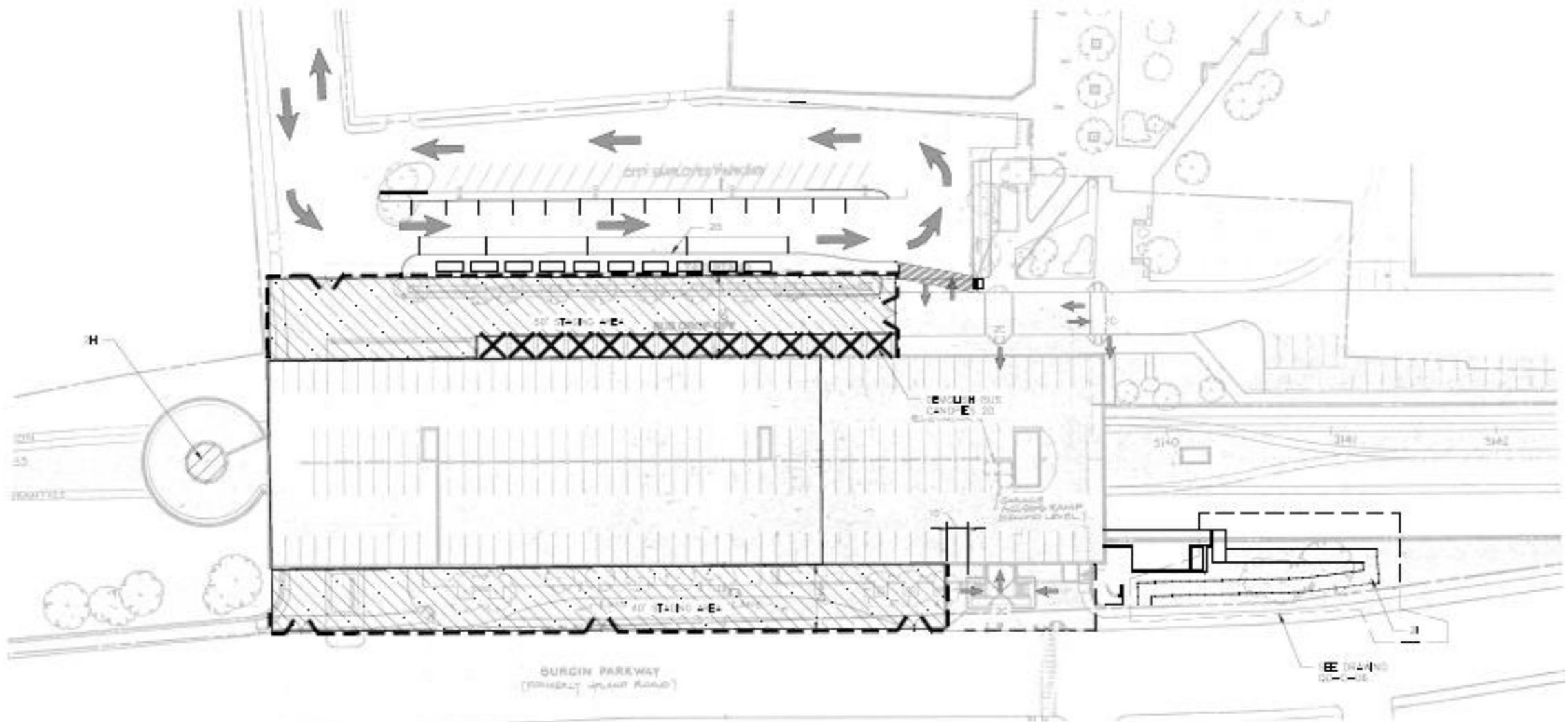
MBTA Quincy Center Garage Demolition



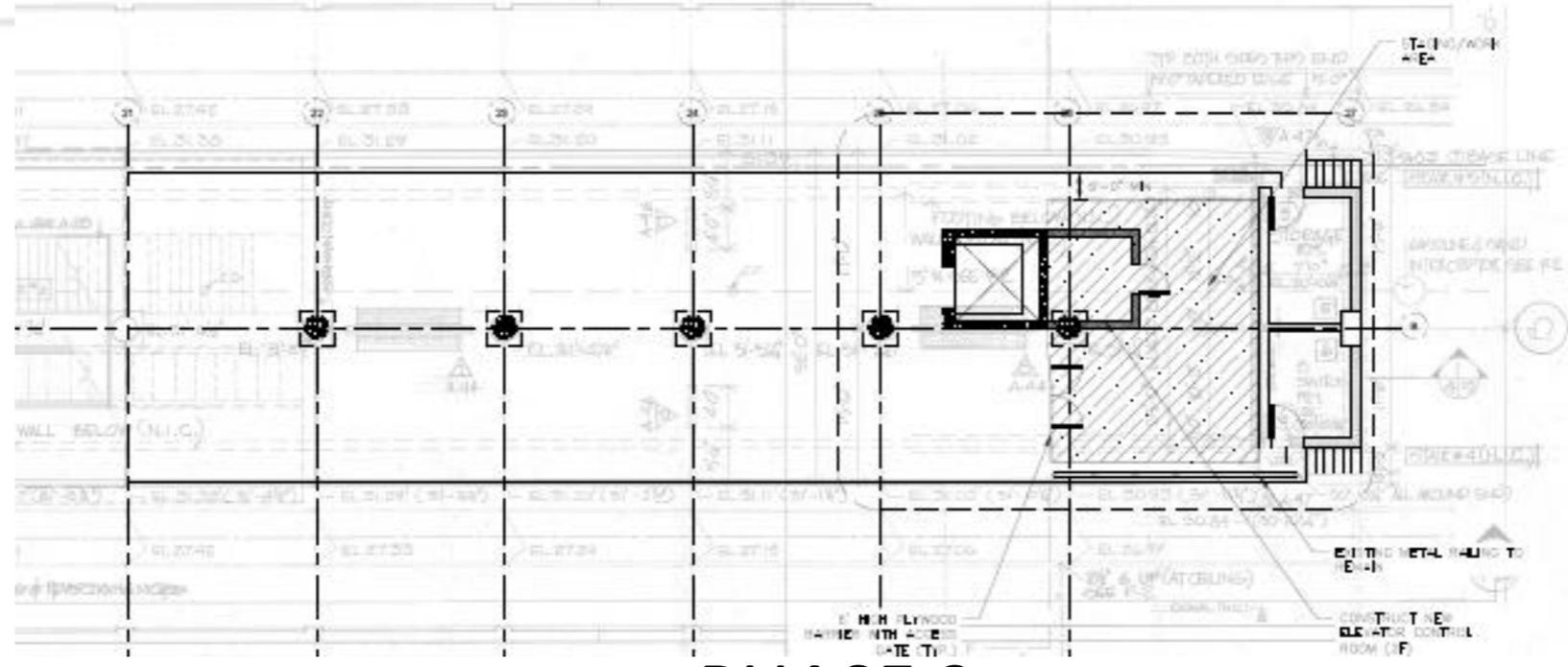
Example of Concrete Beam Being Pulverized

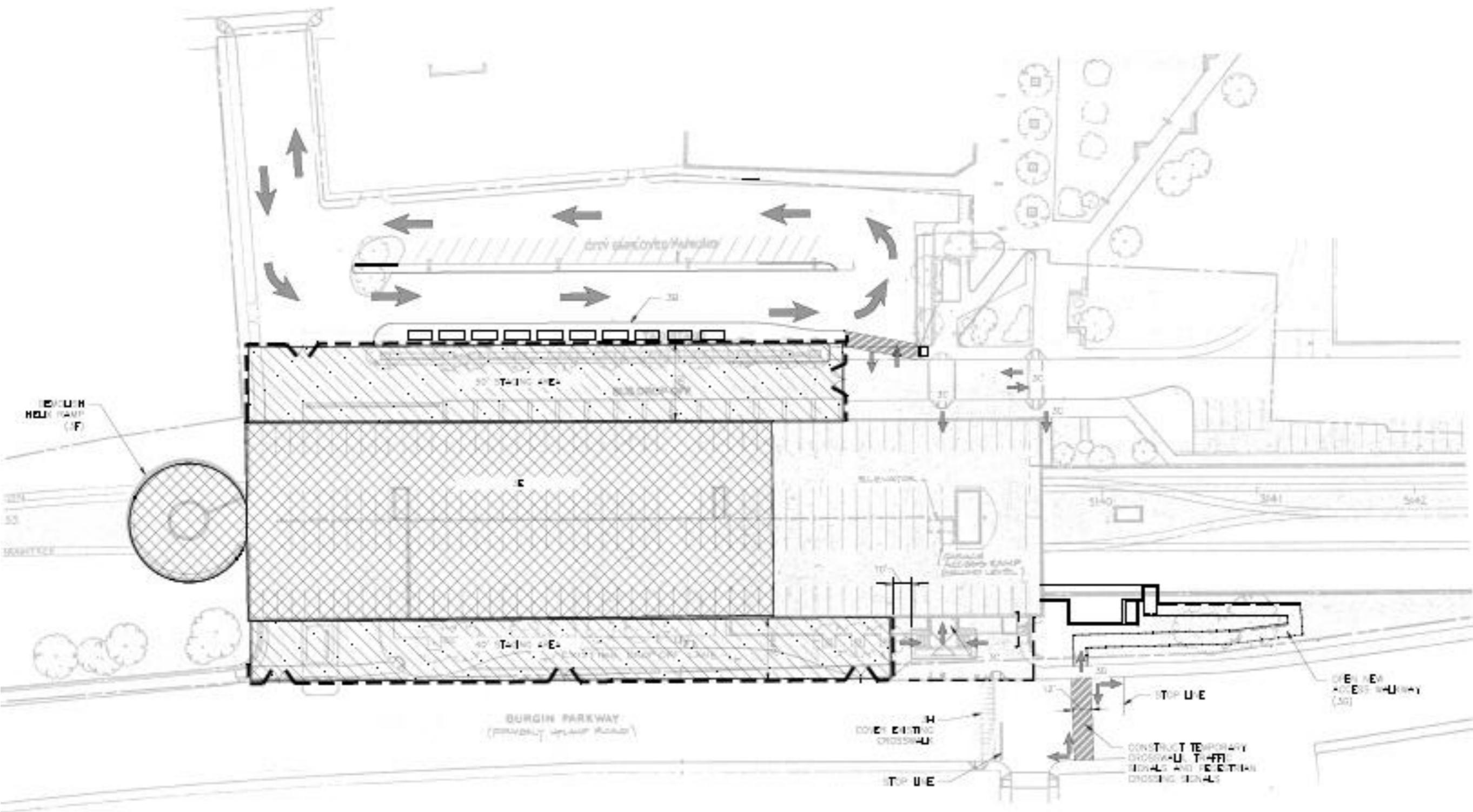


PHASE 1

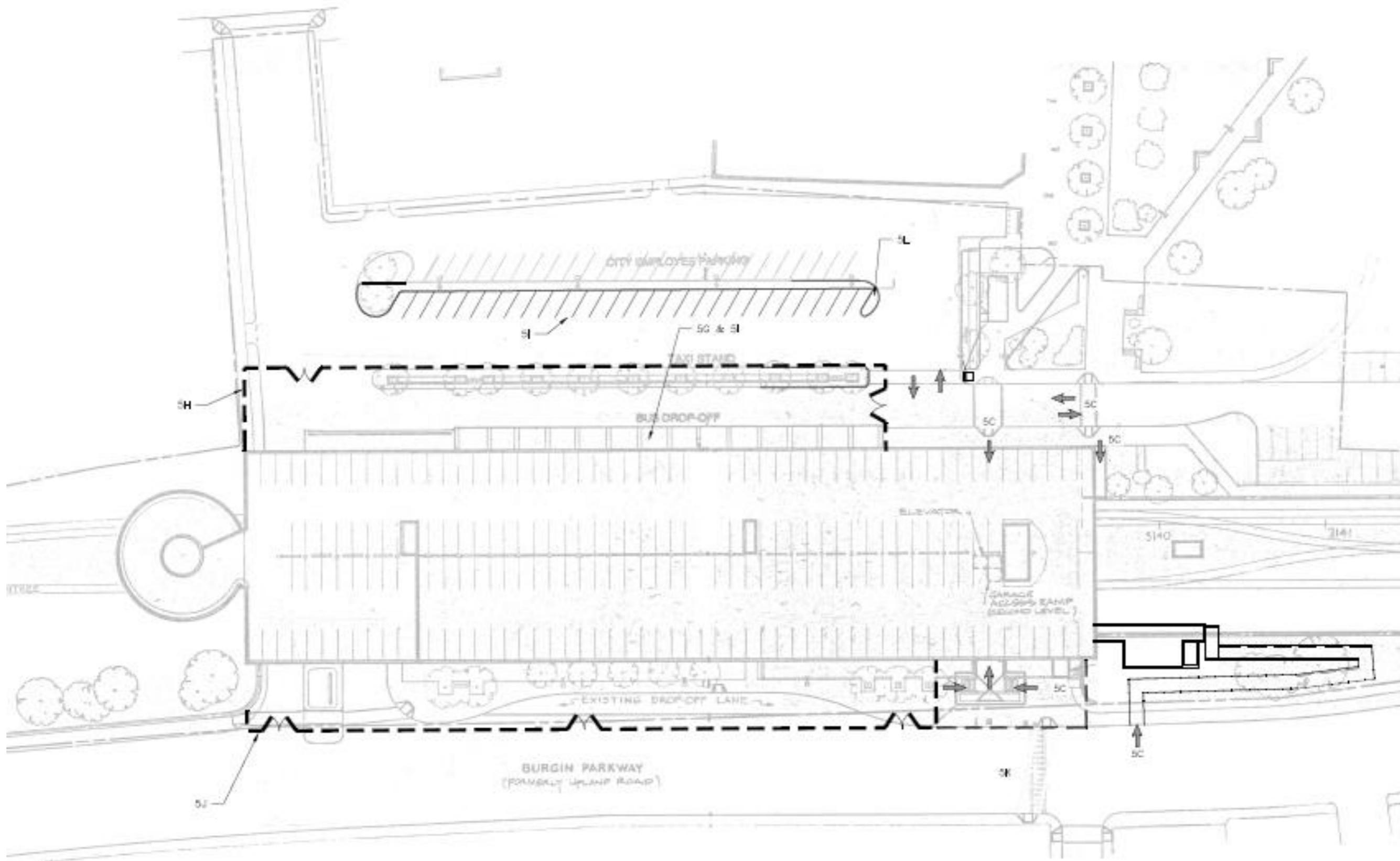


PHASE 2 - PLAN





PHASE 3



PHASE 5

MBTA Quincy Center Garage Demolition

THANK YOU

