DESIGN PRESENTATION

Purpose of Feb 16 discussion: input on project function & features

Purpose of April 9 discussion: input on design and appearance

February 16, 2012 discussion topics:

- Project Schedule
- Site conditions and challenges
- Project function, size, and features
- Approach to design
Project Schedule
PRE-DESIGN:
✓ Summer 2011: Project budget and scope re-established
✓ Fall 2011: Subsurface investigations and testing
✓ Winter 2011: Initial functional planning

DESIGN:
✓ Feb 16, 2012: Initial public meeting - planning
  o April 9, 2012: Second public meeting – preliminary design
  o Spring 2012: Limited archeology work on-site
  o Summer 2012: Final design

CONSTRUCTION:
  o Spring 2013 Primary construction start
  o September 2014: Substantial completion, garage/station open
  o November 2014: Final completion, project complete
Site conditions & challenges
February 16, 2012

Limits of Work

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

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architecture ltd
February 16, 2012 Subsurface conditions – historic structures

Foundation system diagrams

DRILLED PILE FOUNDATION SYSTEM

SPREAD FOOTING FOUNDATION SYSTEM

BORING LOG

TYPICAL SPREAD FOOTING

LOW SOIL CAPACITY

PILES DRILLED INTO BEDROCK

February 16, 2012
Project function, size & features
PRIMARY FUNCTIONAL ELEMENTS:

1. GROUND TRANSPORTATION SYSTEM
2. PARKING GARAGE
3. FULL-HEIGHT STATION PLATFORM
4. ENCLOSED WAITING ROOM
5. PEDESTRIAN BRIDGE FROM WASHINGTON STREET
PEDESTRIAN AND BICYCLE ACCESS
CAR COUNT TABLE

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>CARS</th>
<th>TOTAL</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>105</td>
<td>105</td>
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<tr>
<td>2ND</td>
<td>162</td>
<td>267</td>
</tr>
<tr>
<td>3RD</td>
<td>162</td>
<td>429</td>
</tr>
<tr>
<td>4TH</td>
<td>124</td>
<td>553</td>
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</tbody>
</table>

Total number of parking spaces: 500—553.

CIRCULATION DIAGRAM

TYPICAL FLOOR PLAN

ROOF PLAN
SHADOW & WIND ACTIVITY STUDY
TIME FRAME: 8am – 3:30pm (approx.)
APPROACH FROM WASHINGTON STREET
APPROACH FROM WASHINGTON STREET

February 16, 2012

 Proposed 4-level garage size/height

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Massachusetts Bay Transportation Authority
APPROACH FROM ROUTE 114 RAMP
VIEW FROM JEFFERSON AT SALEM STATION RESIDENCES
VIEW FROM JEFFERSON AT SALEM STATION RESIDENCES
APPROACH FROM PLATFORM

[Image of approach from platform]
APPROACH FROM PLATFORM

Proposed 4-level garage size/height
UNDERSTANDING:

- Historical significance
- Urban character – fabric of the City
- Building character – scale, materials
- Experience – visitors, travelers, residents

Approach to design
Analysis of nearby ‘character-defining’ building materials
BUILDINGS ADJACENT TO THE PROJECT SITE

JEFFERSON APARTMENTS

COUNTY OF ESSEX – ADMINISTRATIVE OFFICES

SUPERIOR COURT

JUDICIAL CENTER
Urban character – use of brick material
February 16, 2012

Urban character — use of stone materials

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EXISTING MIXED MATERIAL STRUCTURES AND PATTERNING
DESIGN CONSIDERATIONS:

- Scale
- Experience
- Appropriateness
- Creativity
EXPLORED DESIGN DETAILS AND CONDITIONS
Visually predominant facades
Main traveling/circulation paths