

SALEM INTERMODAL STATION

FEBRUARY 16, 2012 PUBLIC MEETING



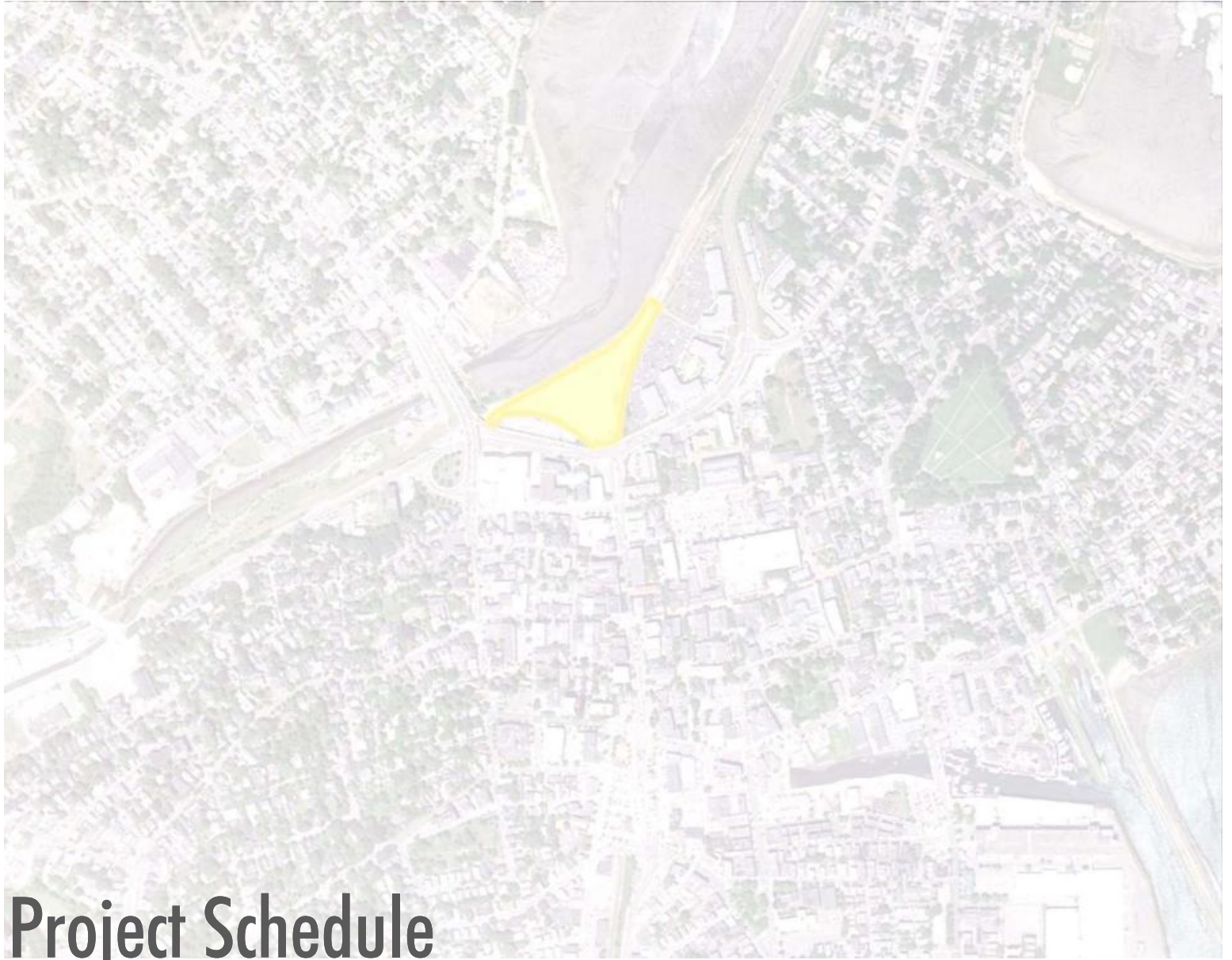
DESIGN PRESENTATION

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

February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts



FENNICK | McCREIDIE
architecture ltd

PRE-DESIGN:

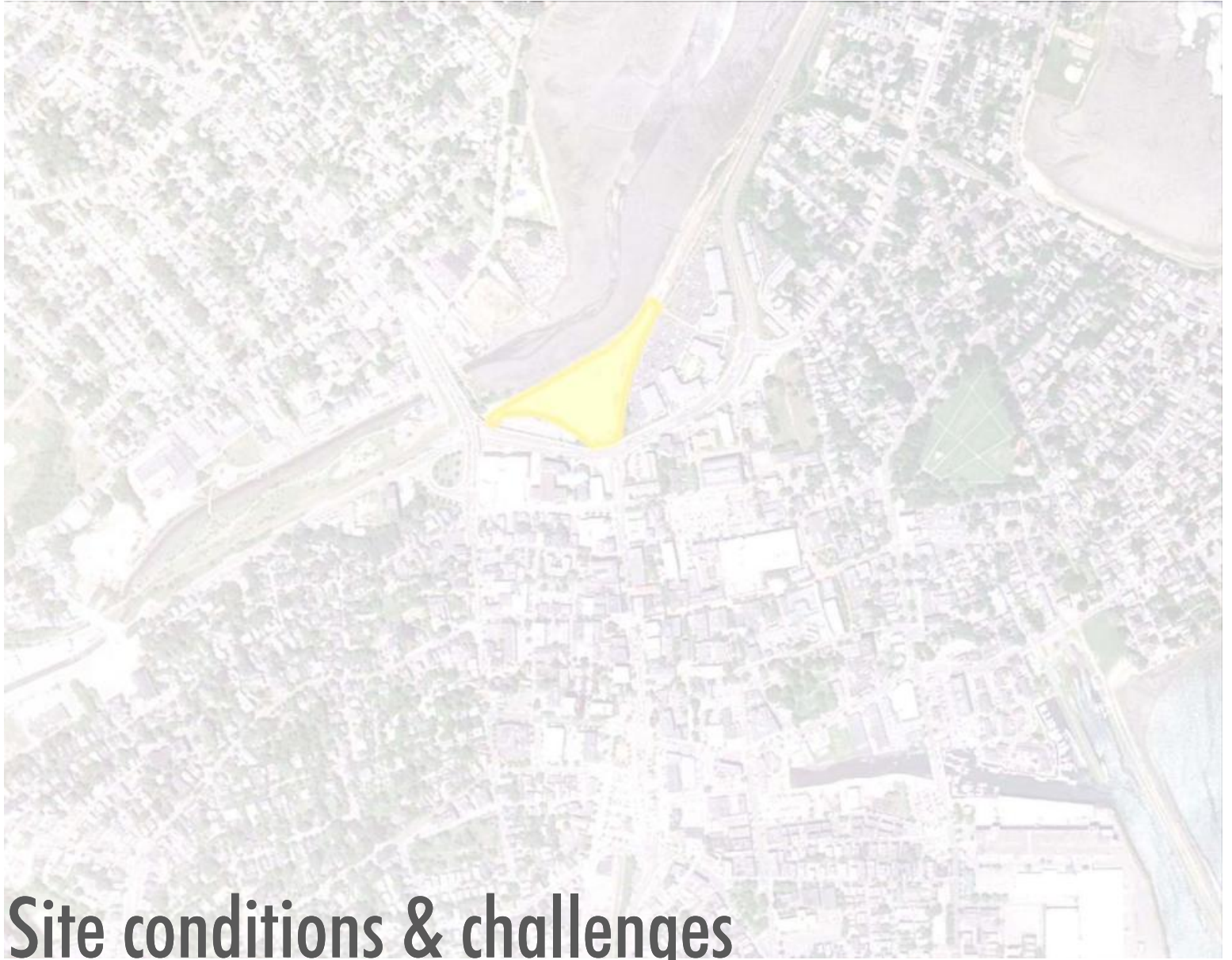
- ✓ Summer 2011: Project budget and scope re-established
- ✓ Fall 2011: Subsurface investigations and testing
- ✓ Winter 2011: Initial functional planning

DESIGN:

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

CONSTRUCTION:

- Spring 2013 Primary construction start
- September 2014: Substantial completion, garage/station open
- November 2014: Final completion, project complete



Site conditions & challenges



February 16, 2012

Limits of Work

MBTA Station Improvements and Parking Garage
Salem, Massachusetts



FENNICK | McCREDIE
architecture ltd

SALEM, MASS. ROUNDHOUSE



SALEM ROUNDHOUSE IN THE EARLY 1920'S. 12 STALLS.

SPRUIS

SALEM BRIDGE ST. OLD TUNNEL



MAY 30, 1941 FINDS MOGUL #1388 INBOUND AT TUNNEL AS ENGINEHOUSE SHOWS AT REAR. INTERLOCKING TOWER AT CENTER, COAL TOWER AT LEFT. BRIDGE STREET CROSSING AT GRADE. TODAY (1987) THIS IS SITE OF NEW M.B.T.A. STATION.

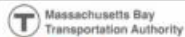
DHS

Images source: "Railroad past lies beneath Salem train station" by Tom Dalton, published in The Salem News website on Feb. 16th 2012.

February 16, 2012

Subsurface conditions – historic structures

MBTA Station Improvements and Parking Garage
Salem, Massachusetts



FENNICK | McCREIDIE
architecture ltd

LEGEND

- Survey Perimeter
- GPR - Potential Utility/Linear Anomaly
- GPR - Drainage
- GPR - Water
- GPR - Anomaly
- EM - Former Train Structures
- EM - Linear Anomalies
- - - PUL - Utility - Electric
- Drain Manhole
- Light Pole
- Water Valve

Notes:

- 1) The site base map was created from HGI field notes and GPS data and overlaid on a Google Maps image.
- 2) HGI's geophysical grid and related markings were site-referenced using field measurements and GPS.
- 3) The "x" symbol indicates the termination of a potential utility/linear anomaly.
- 4) An arrow ending a potential utility/linear anomaly indicates the possible continuation of that feature beyond the surveyed limits.
- 5) Dashed lines indicate lower confidence in the interpretation of a feature.
- 6) Values listed with GPR-identified features are depths in feet based on GPR two way travel time velocity conversions and are approximate.
- 7) Anomalies are identified as changes from the background due to increased signal amplitude, changes in signal frequency, signal polarity reversals, or a combination of two or more.
- 8) PUL-identified utilities were marked in the field using industry-standard color coding with approximate depths in feet.

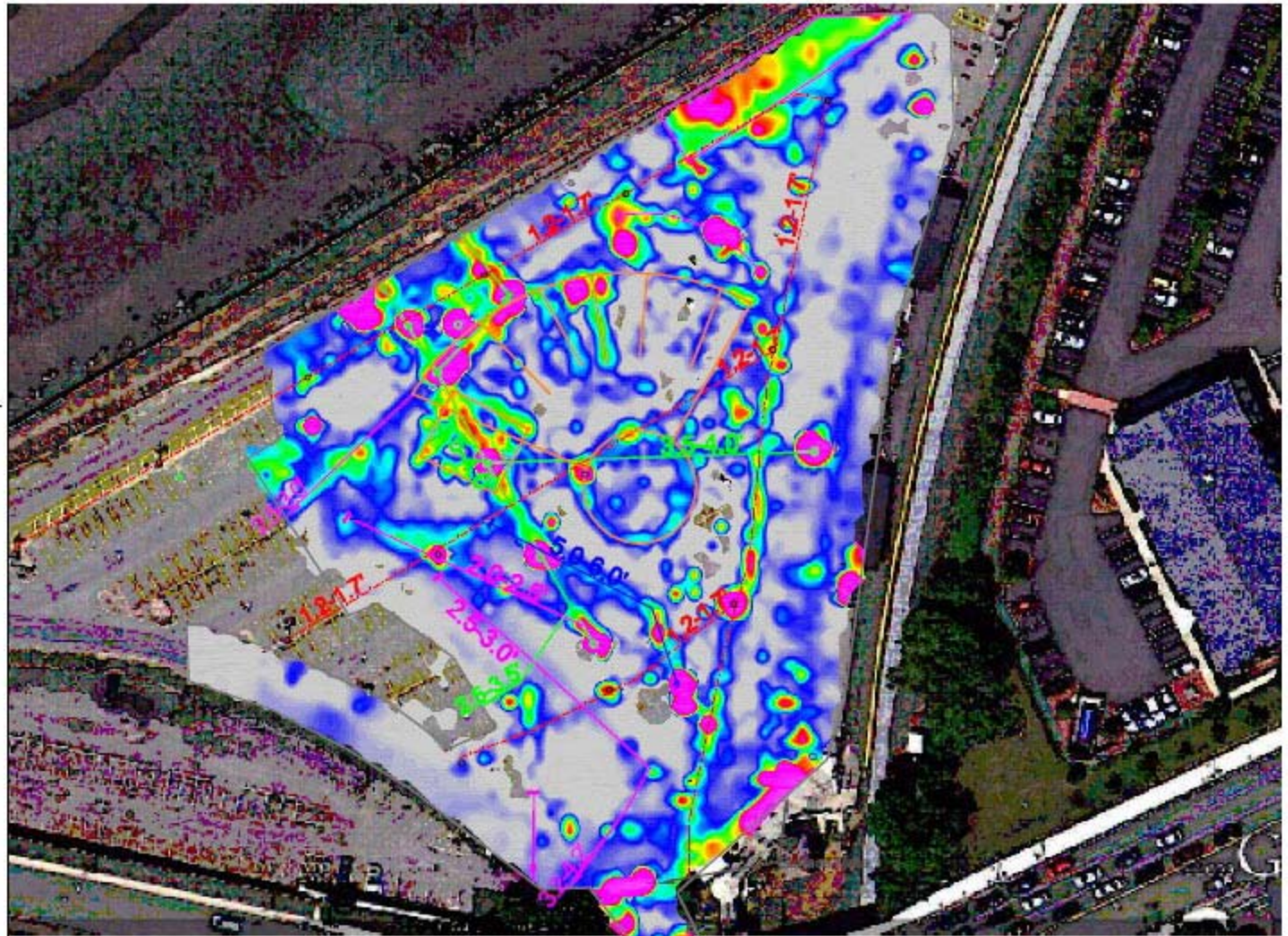
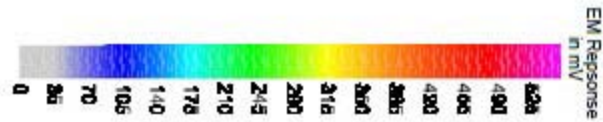
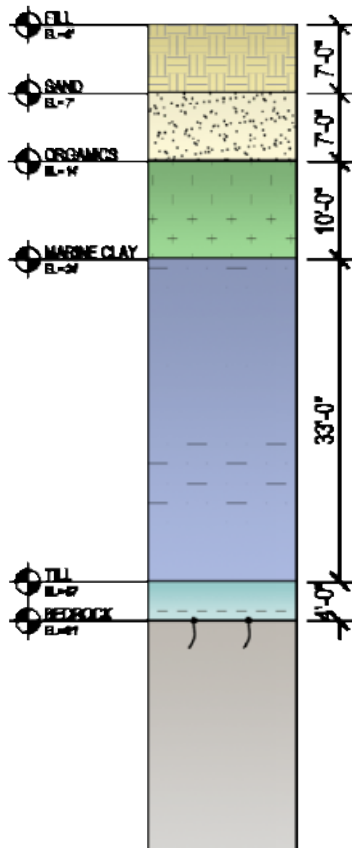


Plate 3

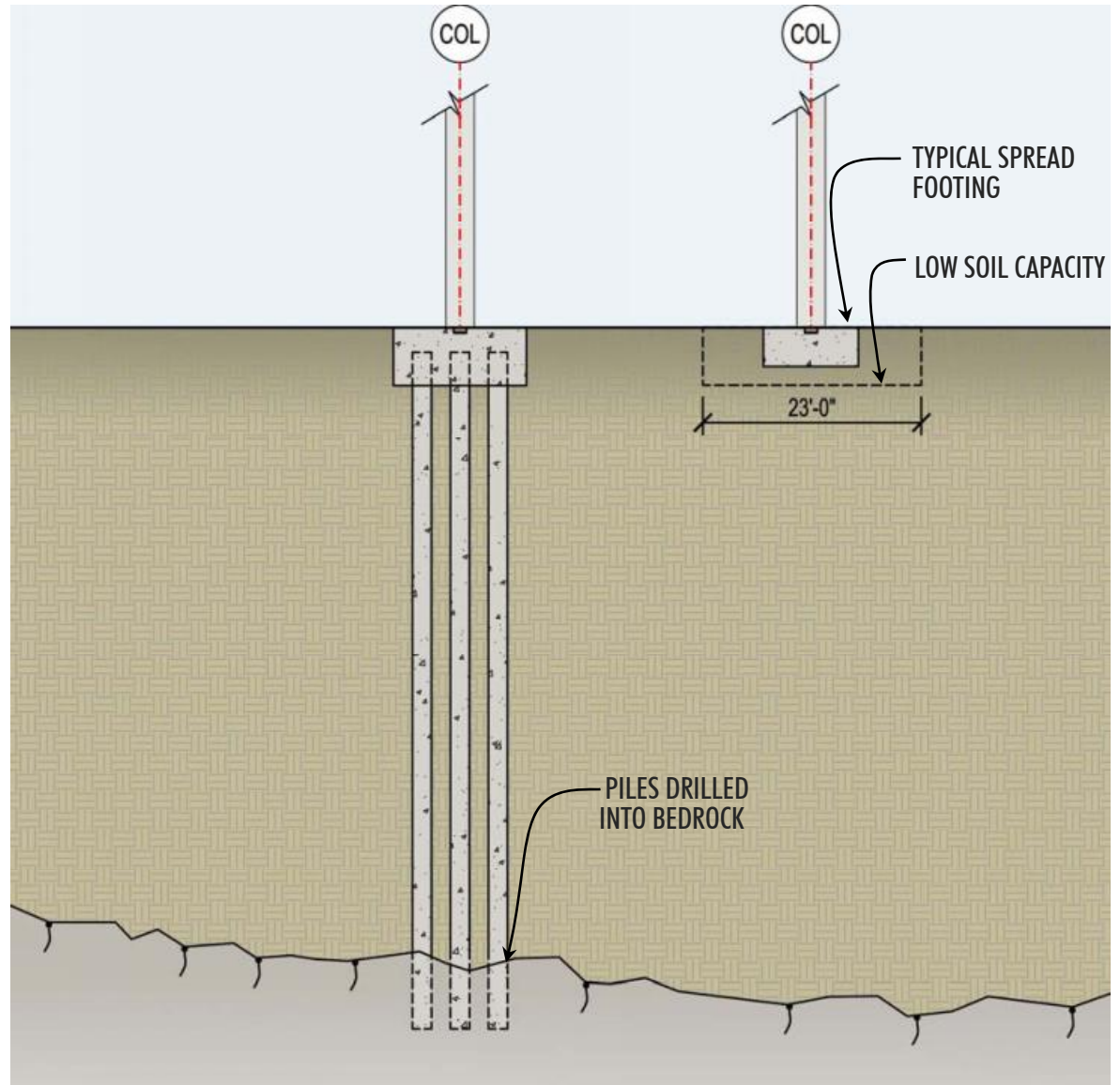


BORING LOG



DRILLED PILE FOUNDATION SYSTEM

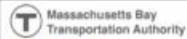
SPREAD FOOTING FOUNDATION SYSTEM



February 16, 2012

Foundation system diagrams

MBTA Station Improvements and Parking Garage
Salem, Massachusetts



FENNICK | McCREIDIE
architecture ltd



Project function, size & features

February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

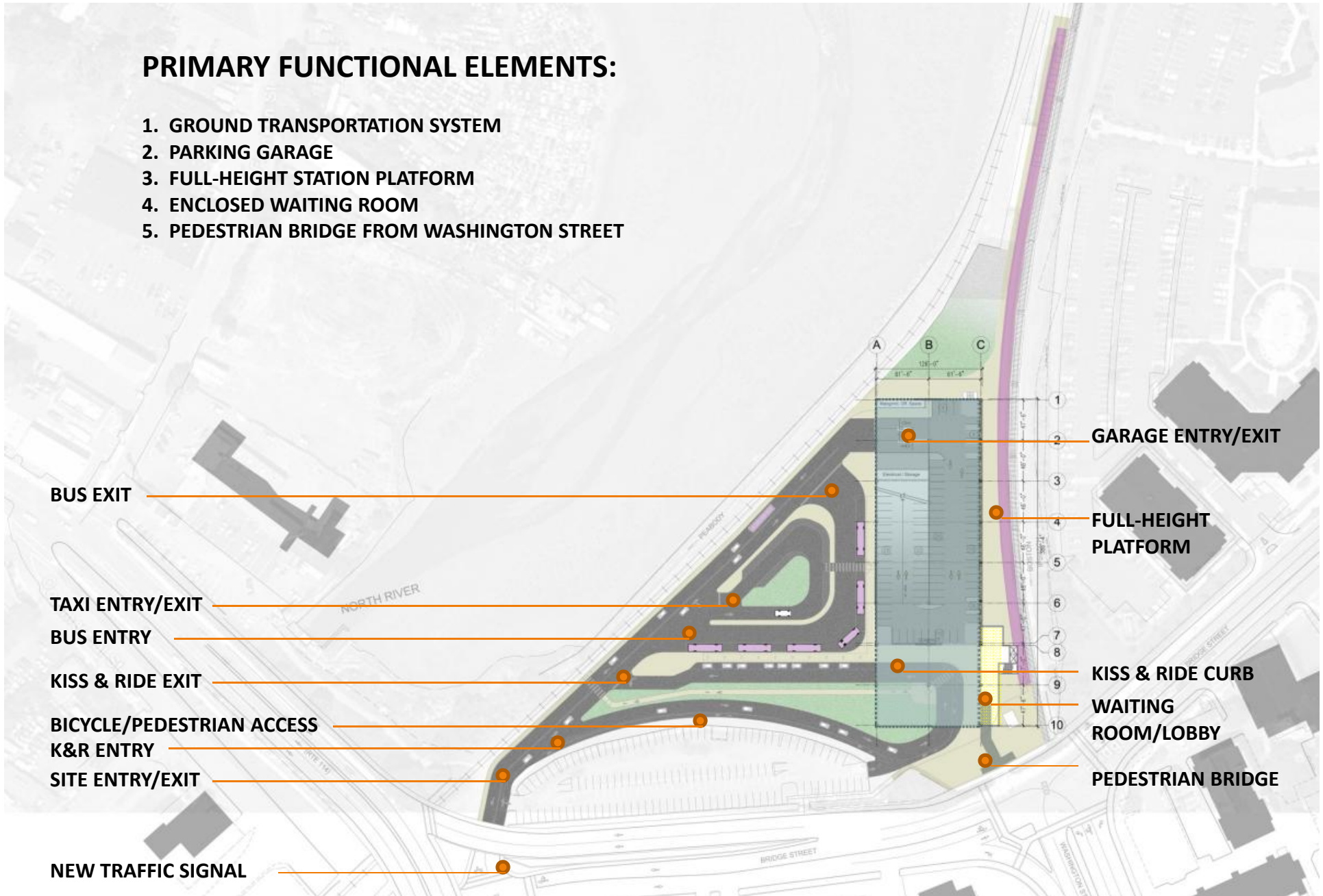


Massachusetts Bay
Transportation Authority

FENNICK | McCRENIE
architecture ltd

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



BUS EXIT

TAXI ENTRY/EXIT

BUS ENTRY

KISS & RIDE EXIT

BICYCLE/PEDESTRIAN ACCESS

K&R ENTRY

SITE ENTRY/EXIT

NEW TRAFFIC SIGNAL

GARAGE ENTRY/EXIT

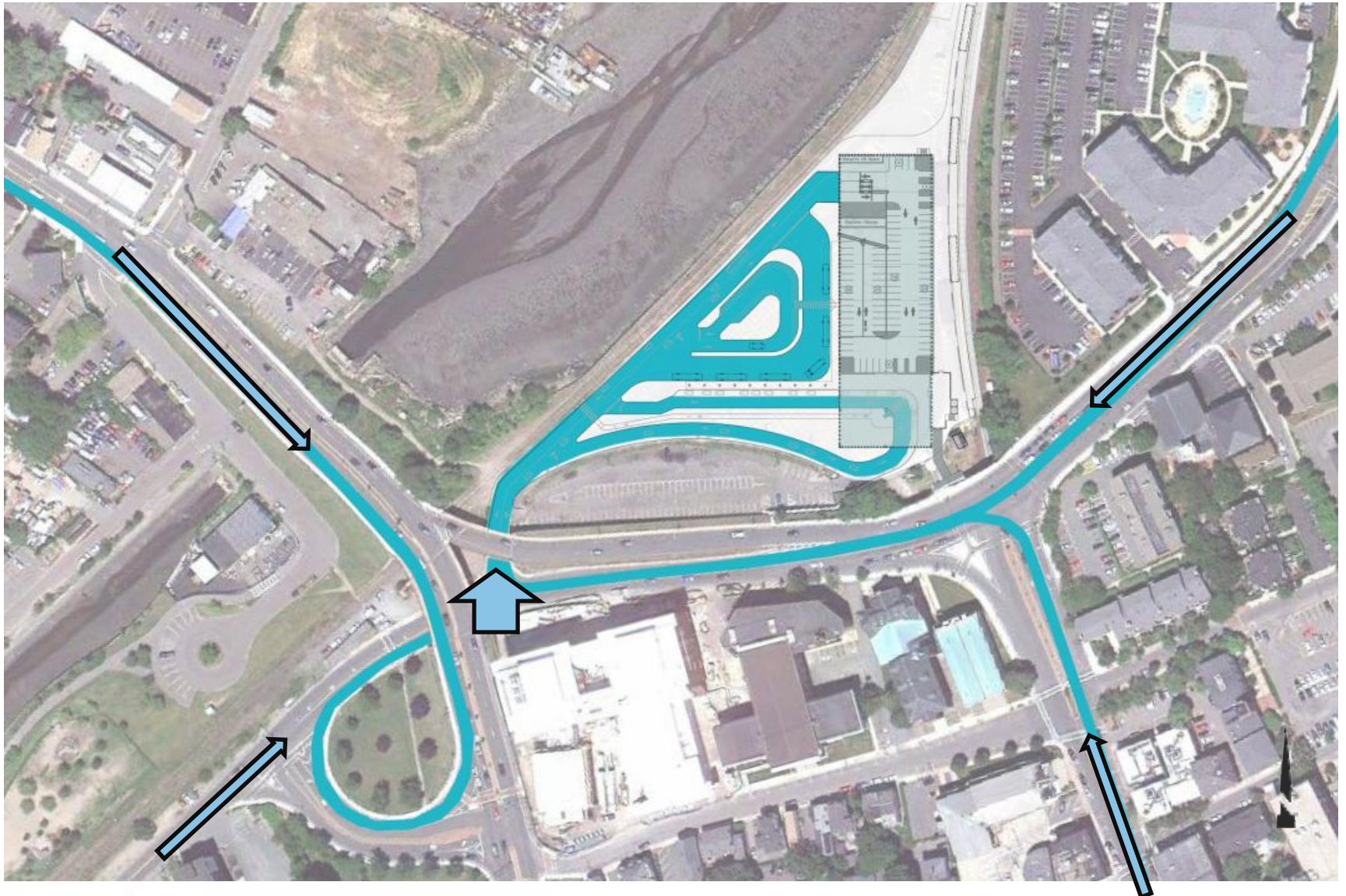
FULL-HEIGHT PLATFORM

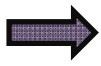
KISS & RIDE CURB

WAITING ROOM/LOBBY

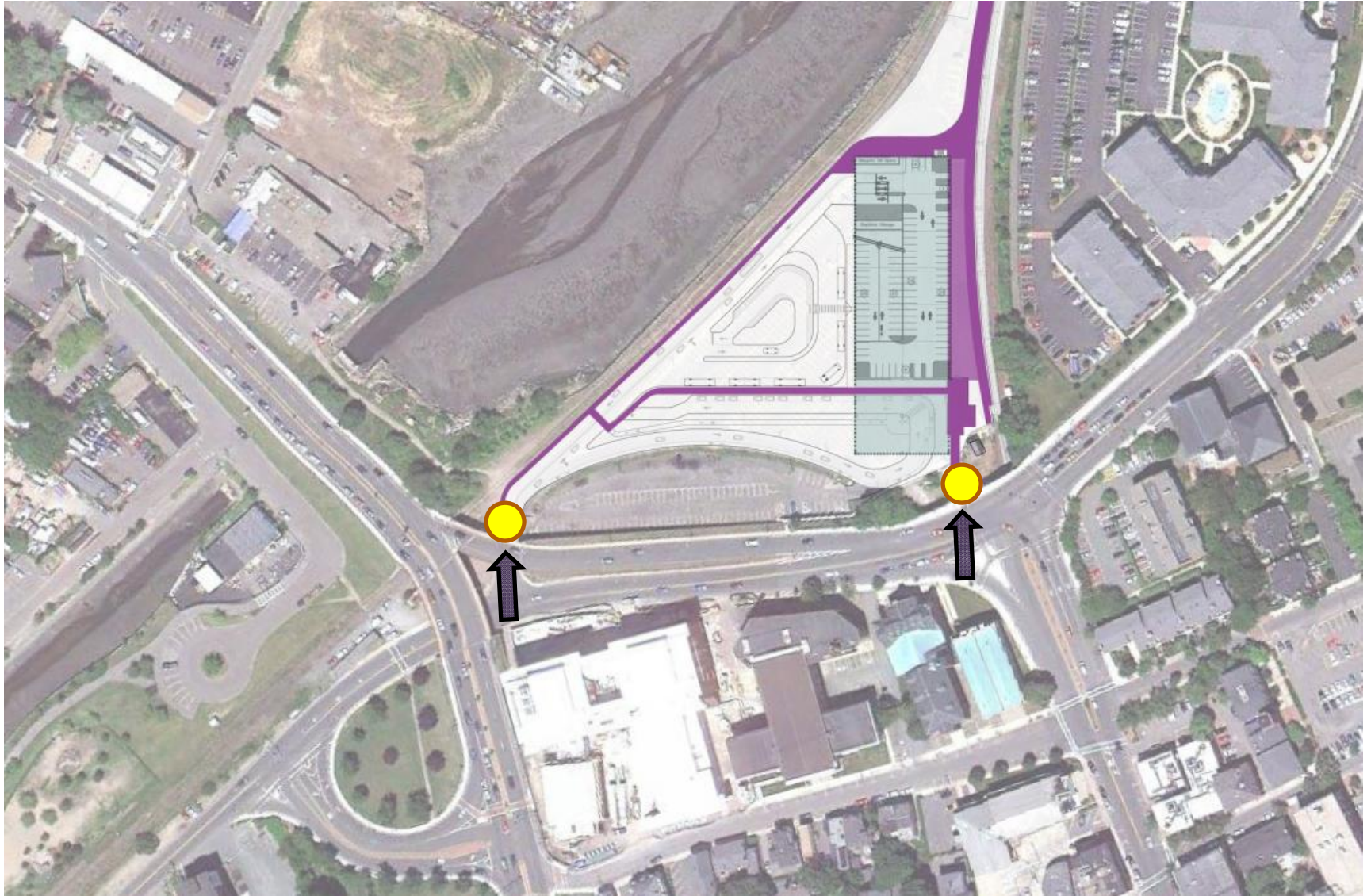
PEDESTRIAN BRIDGE

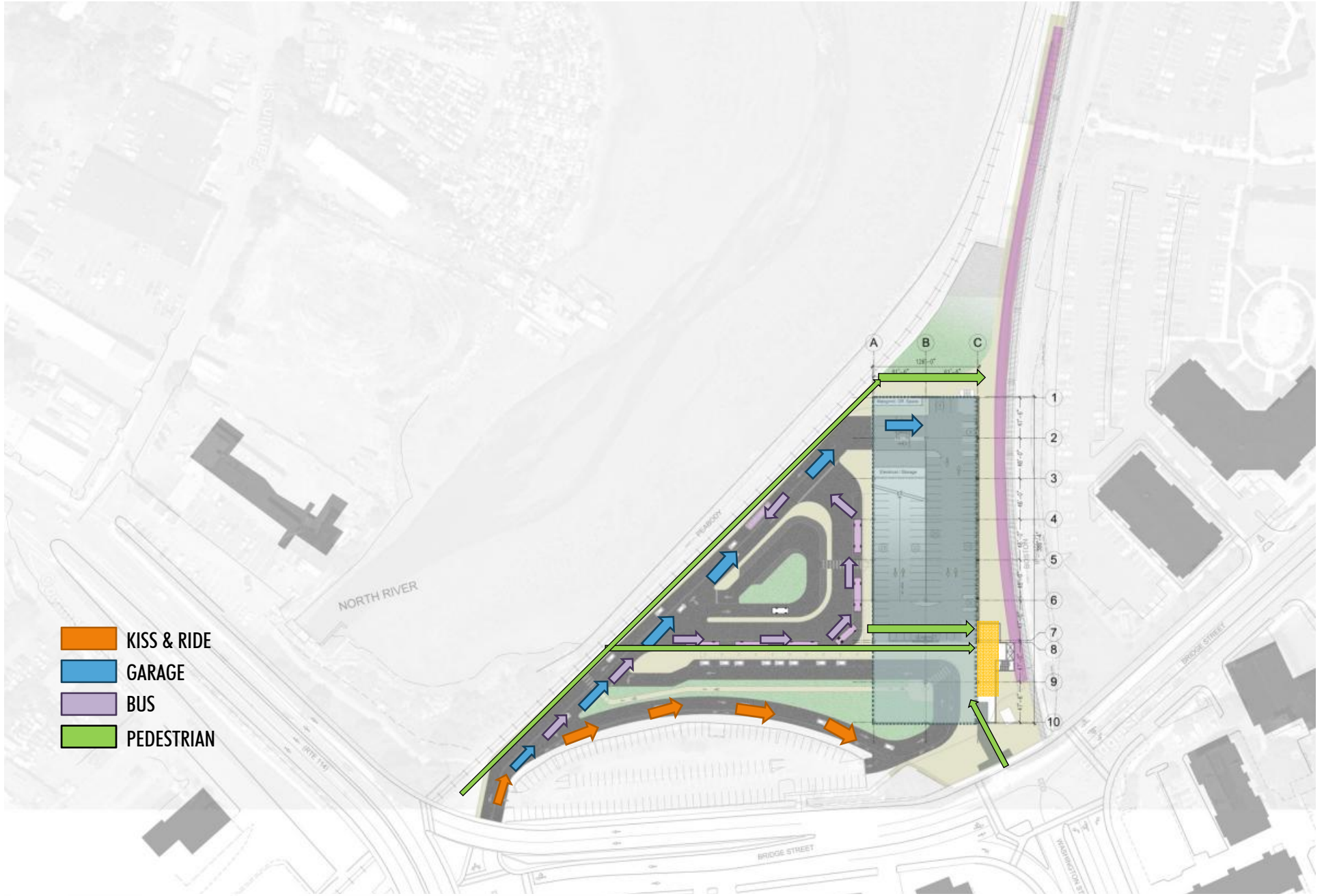
➡ VEHICLE AND
BUS ACCESS





PEDESTRIAN AND
BICYCLE ACCESS





- KISS & RIDE
- GARAGE
- BUS
- PEDESTRIAN

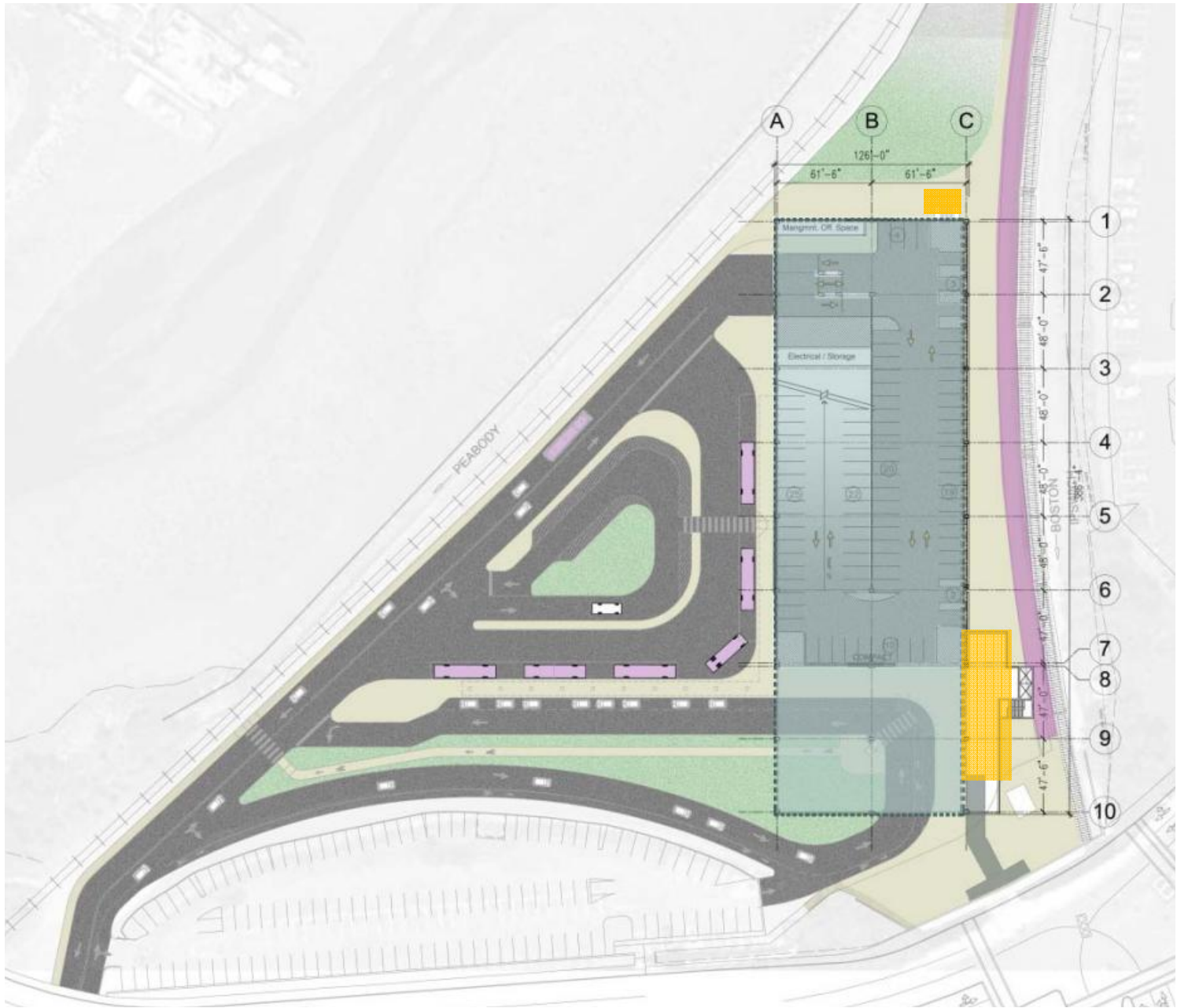
February 16, 2012

Site Plan

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

Massachusetts Bay
Transportation Authority


FENNICK | McCREDIE
architecture ltd



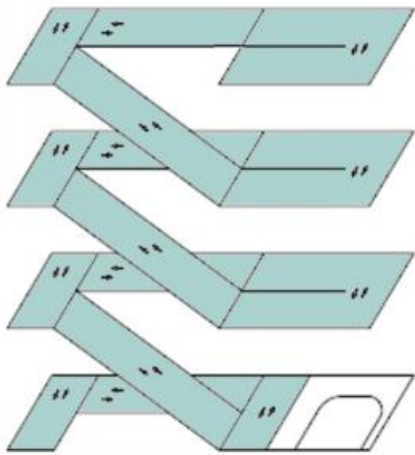
February 16, 2012

Ground level plan

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

 Massachusetts Bay
Transportation Authority

FENNICK | McCREDIE
architecture ltd

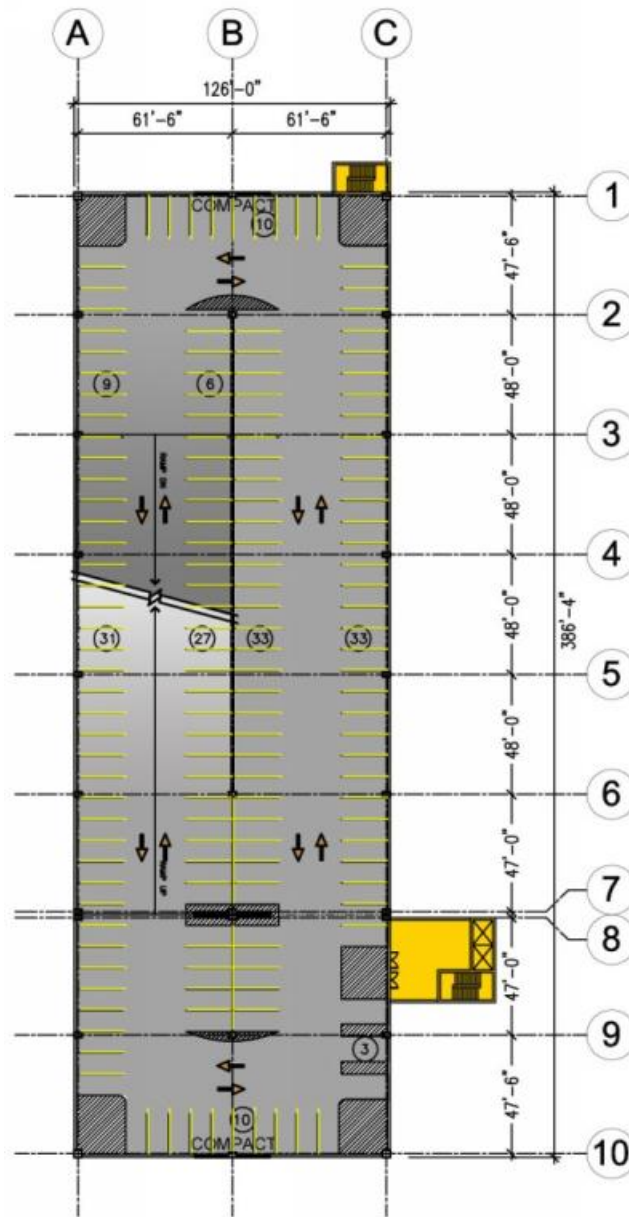


CIRCULATION DIAGRAM

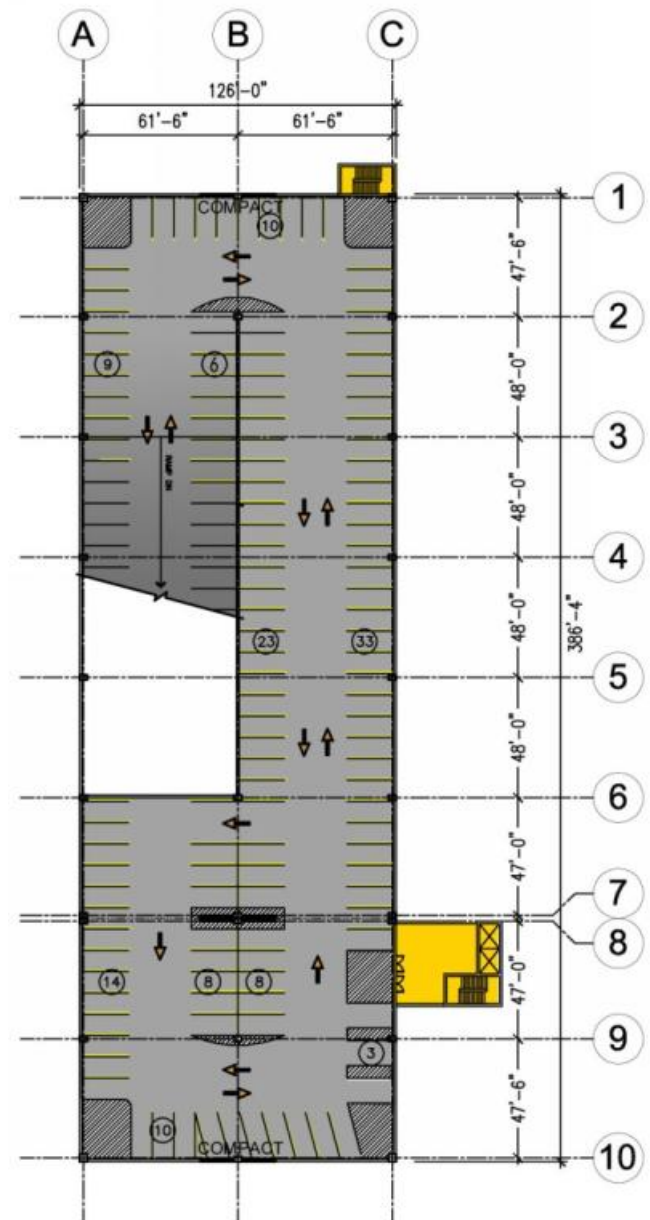
CAR COUNT TABLE

LEVEL	CARS	TOTAL
G	105	105
2ND	162	267
3RD	162	429
4TH	124	553

Total number of parking spaces: 500 – 553.



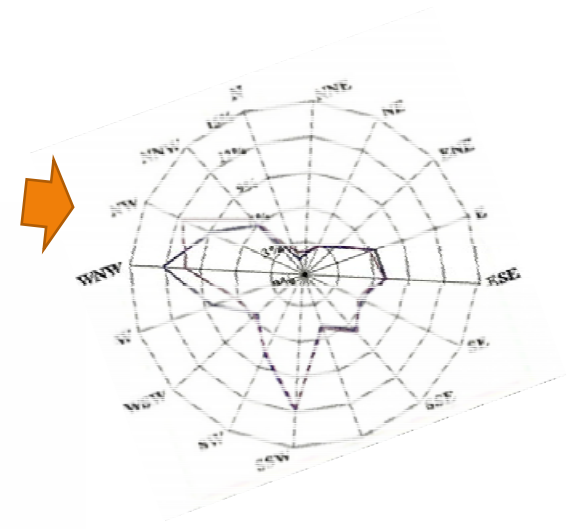
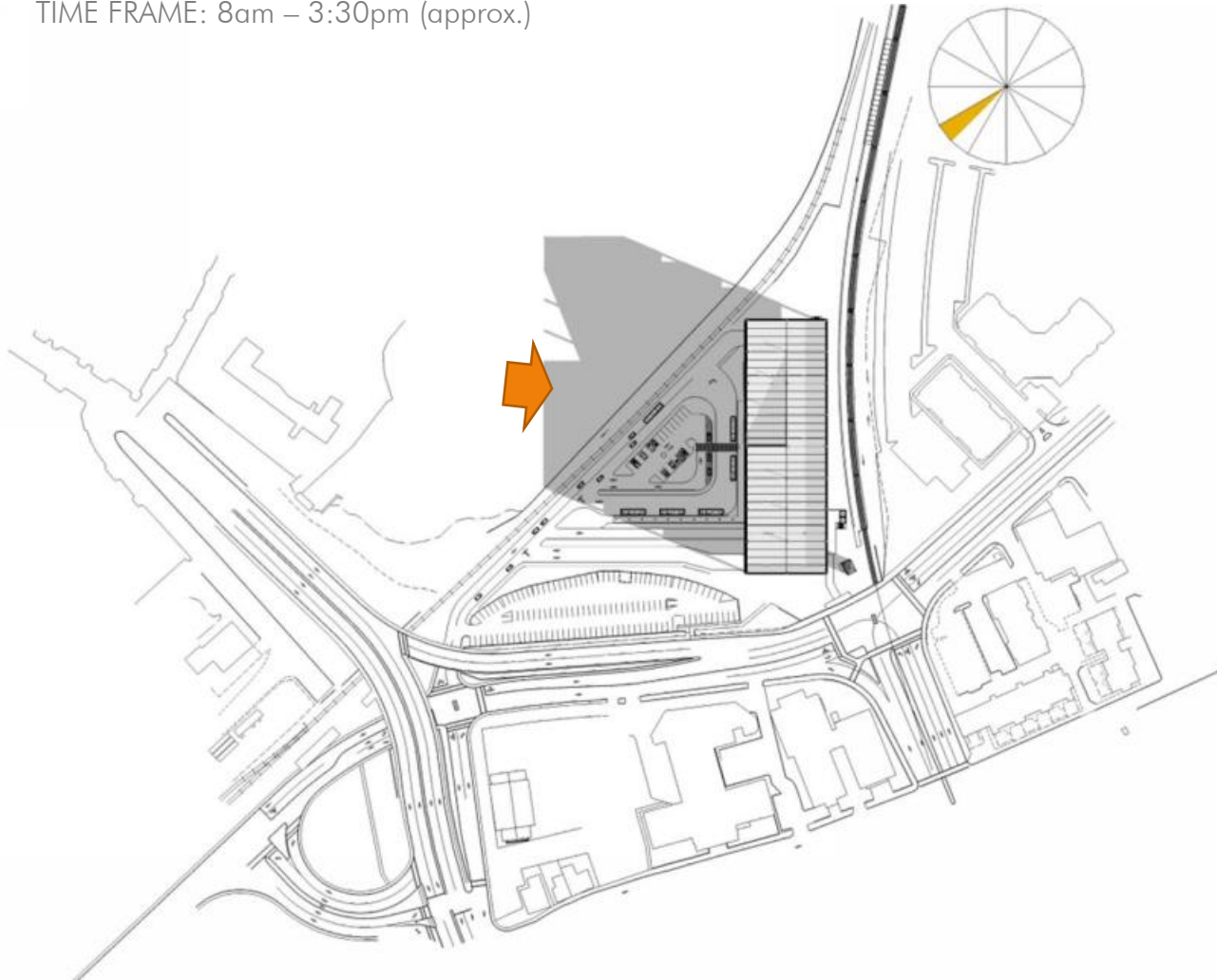
TYPICAL FLOOR PLAN



ROOF PLAN

SHADOW & WIND ACTIVITY STUDY

TIME FRAME: 8am – 3:30pm (approx.)



APPROACH FROM WASHINGTON STREET



February 16, 2012

Existing view

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

 Massachusetts Bay
Transportation Authority

FENNICK | **McCREIDIE**
architecture ltd

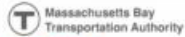
APPROACH FROM WASHINGTON STREET



February 16, 2012

Proposed 4-level garage size/height

MBTA Station Improvements and Parking Garage
Salem, Massachusetts



FENNICK | **McCREDIE**
architecture ltd

APPROACH FROM ROUTE 114 RAMP



APPROACH FROM ROUTE 114 RAMP



VIEW FROM JEFFERSON AT SALEM STATION RESIDENCES



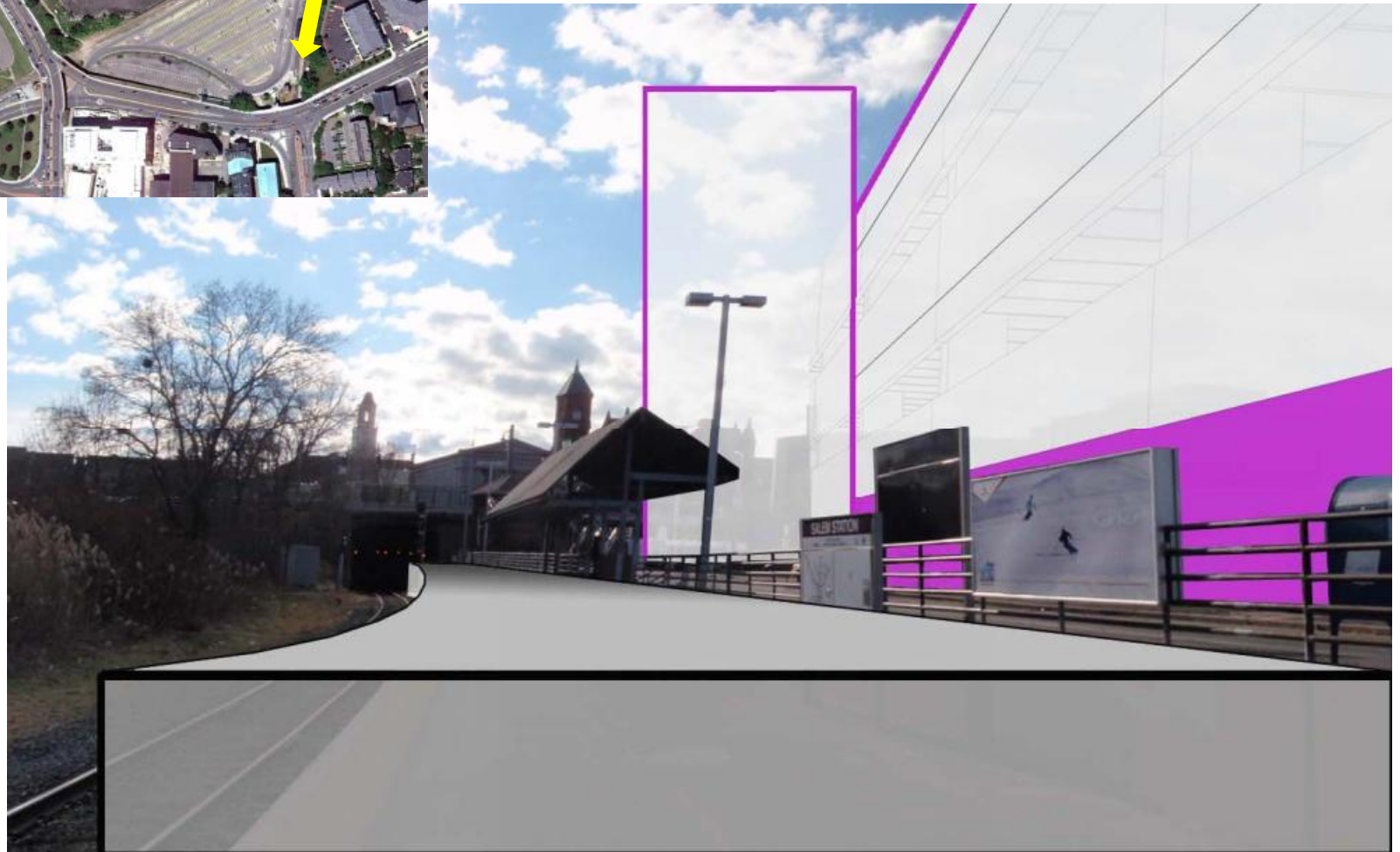
VIEW FROM JEFFERSON AT SALEM STATION RESIDENCES



APPROACH FROM PLATFORM



APPROACH FROM PLATFORM





UNDERSTANDING:

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

Approach to design

February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

 Massachusetts Bay
Transportation Authority

FENNICK | McCREIDIE
architecture ltd



February 16, 2012

Analysis of nearby 'character-defining' building materials

MBTA Station Improvements and Parking Garage
 Salem, Massachusetts



FENNICK | McCREDIE
 architecture ltd

BUILDINGS ADJACENT TO THE PROJECT SITE



JEFFERSON APARTMENTS



SUPERIOR COURT



COUNTY OF ESSEX – ADMINISTRATIVE OFFICES



JUDICIAL CENTER

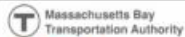
EXISTING BRICK
STRUCTURES
AND PATTERNING



February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

Urban character — use of brick material



FENNICK | McCREDIE
architecture ltd

EXISTING STONE
STRUCTURES
AND PATTERNING



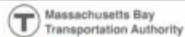
EXISTING
CONCRETE
STRUCTURES
AND PATTERNING



February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

Urban character — use of concrete materials



FENNICK | McCREIDIE
architecture ltd

EXISTING MIXED
MATERIAL
STRUCTURES
AND PATTERNING



DESIGN CONSIDERATIONS:

- Scale
- Experience
- Appropriateness
- Creativity

Approach to design

February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

 Massachusetts Bay
Transportation Authority

FENNICK | McCREIDIE
architecture ltd



HAVERHILL INTERMODAL CENTER



LOWELL GARAGE + RETAIL

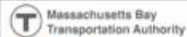
EXPLORED DESIGN
DETAILS AND
CONDITIONS



February 16, 2012

Creativity in design materials and details

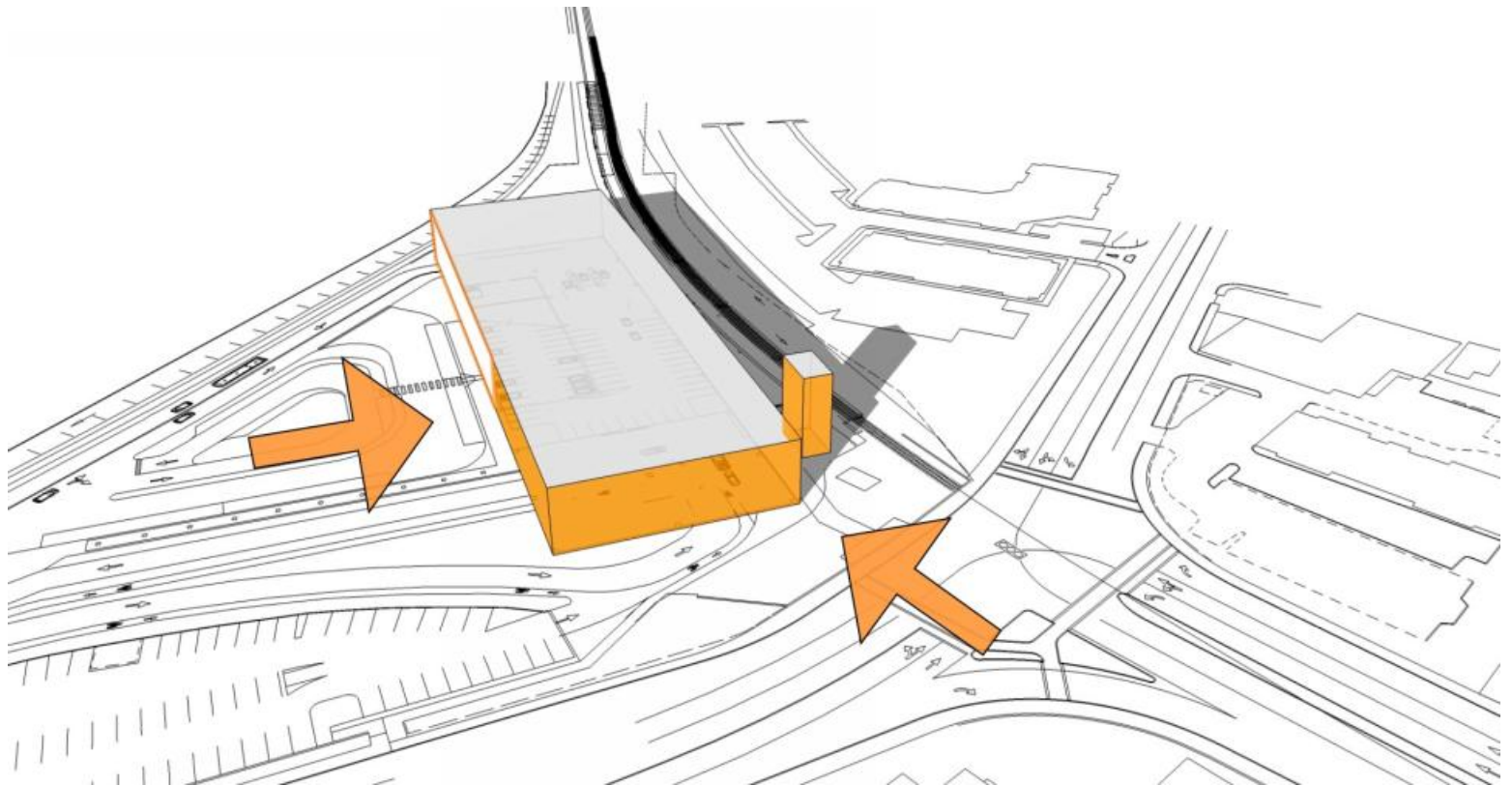
MBTA Station Improvements and Parking Garage
Salem, Massachusetts



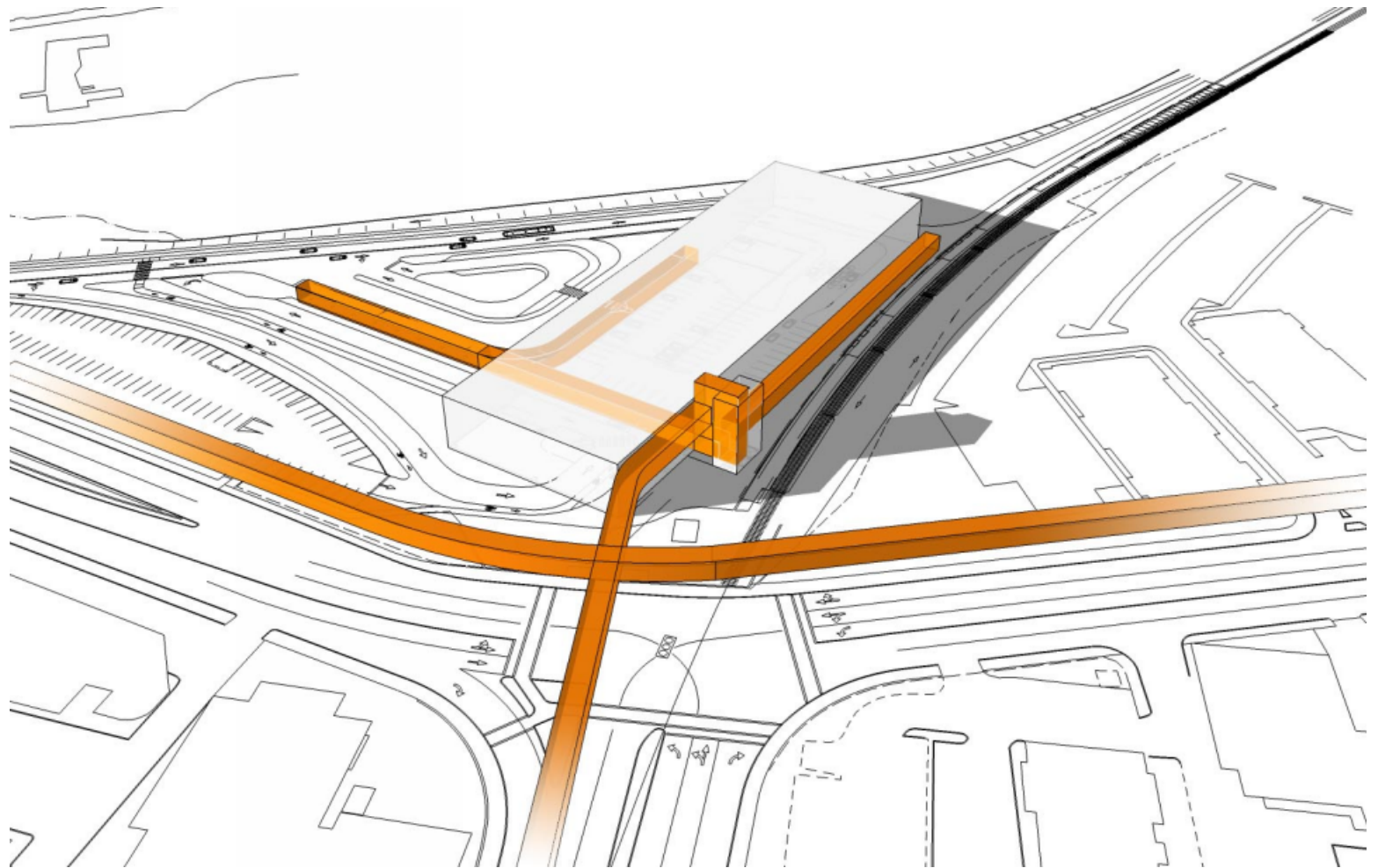
FENNICK | McCRENIE
architecture ltd



Visually predominant facades



 Main traveling/circulation paths



SALEM INTERMODAL STATION


NEXT PUBLIC MEETING: APRIL 9, 2012

DESIGN AND APPEARANCE PROPOSALS



February 16, 2012

MBTA Station Improvements and Parking Garage
Salem, Massachusetts

 Massachusetts Bay
Transportation Authority

FENNICK | **McCREIDIE**
architecture ltd