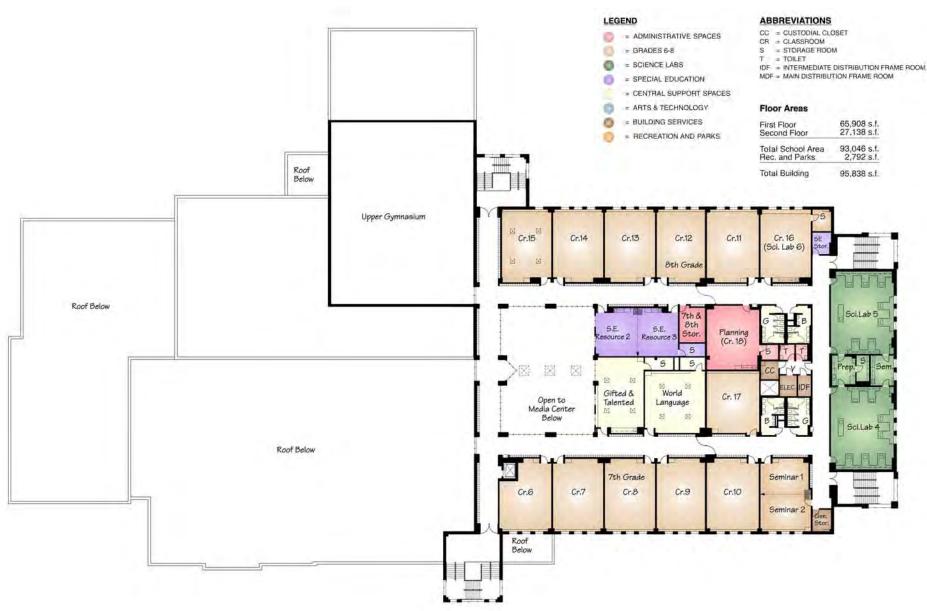
tca | architects -- THOMAS VIADUCT MIDDLE SCHOOL

Thomas Viaduct Middle School





First Floor Plan





Second Floor Plan

THOMAS VIADUCT MIDDLE SCHOOL



SITE NOTES FOR OXFORD SQUARE SITE - PARCEL 'B'

PUBLIC FOREST CONSERVATION EASEMENT: 5.49 ACRES

USABLE AREA FOR SCHOOL SITE: 14.72 ACRES

TOTAL: 20.21 ACRES

ZONING: TOD (TRANSIT ORIENTED DEVELOPMENT)

PARKING TABULATIONS

CAR SPACES = 119 BUS SPACES = 17

100

Site Plan

SS

SUSTAINABLE SITES

- Construction Activity Pollution Prevention
- · Environmental Site Assessment
- Alternative Transportation
 - Public Transportation Access
 - Bicycle Use
 - Low Emitting and Fuel Efficient Vehicles
 - Parking Capacity
- · Site Development, Maximize Open Space
- Stormwater Design, Quantity and Quality Control
- Heat Island Effect, Roof
- $\cdot \ \, \text{Joint Use of Facilities}$

WATER EFFICIENCY

- Water Use Reduction
 - 37% Reduction in Indoor Water Use
- · Water Efficient Landscaping
 - No potable water used for irrigation

EA

ENERGY & ATMOSPHERE

- Fundamental Commissioning of Building Systems
- Minimum Energy Performance
- Fundamental Refrigerant Management
- Optimize Energy Performance
 - 26% Reduction in energy use
- Enhanced Commissioning
- Measurement and Verification

MR Materials and Resources

- · Storage and Collection of Recyclables
- · Construction Waste Management
 - Divert 75% of construction waste from landfill
- Recycled Content
 - Use 10-20% of materials with recycled content.
- · Regional Materials
 - Use 10-20% of materials produced regionally
- · Certified Wood

EQ Indoor Environmental Quality

- Minimum IAQ Performance
- Environmental Tobacco Smoke Control
- Minimum Acoustical Performance
- · Construction IAQ Management Plan
- Low-Emitting Materials
- Indoor Chemical and Pollutant Source Control
- Controllability of Systems, Lighting & Thermal Comfort
- Thermal Comfort Design and Verification
- Daylighting
 - 90% of classroom space is daylit.

INNOVATION AND DESIGN

- Maximize Open Space Exemplary Performance
- · Green Cleaning
- Low Mercury LightingLEED Accredited Professional