

**MEDICAL CENTER STATION
NEW ENTRANCE
ORDER OF MAGNITUDE**

Presentation to BRAC Implementation Committee

June 19, 2007

**Washington Metropolitan Area Transit Authority
Department of Planning and Joint Development
Office of Business Planning and Project Development**

Medical Center Station

2007 Metrorail Ridership: 5,255 Average Weekday Boardings

- 425 Peak AM Hour Entries, 1,040 Exits
- 920 Peak PM Hour Entries, 270 Exits

Daily Mode of Access

- Walk 66% (3,468)
- Bus 22% (1,156)
- Drop-off 7% (368)
- Parked 5% (263)

Figure 1: Aerial Plan – Existing Conditions

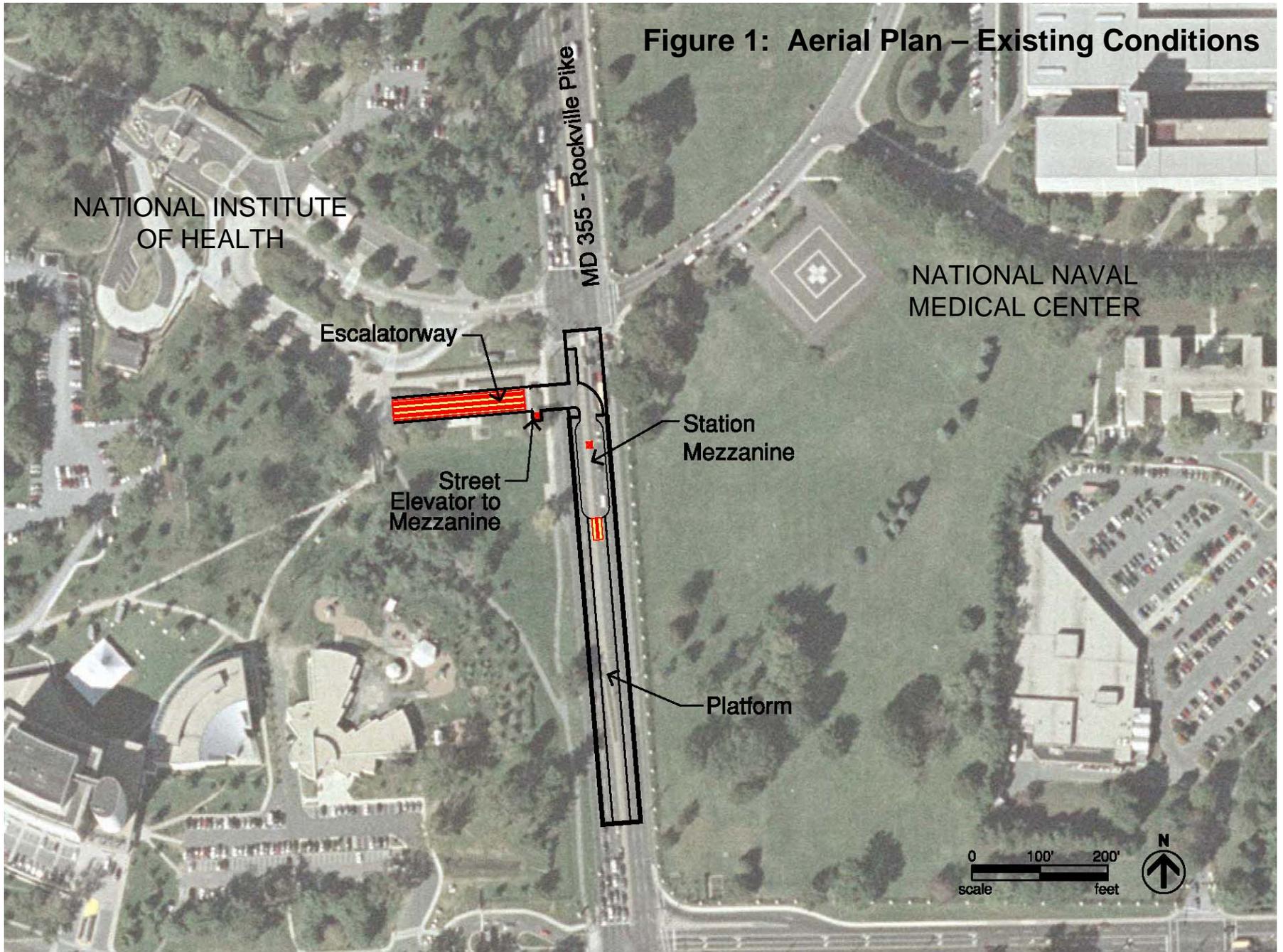


Figure 2: Station Vicinity Plan

Proposed Station Elevator Entrance Pavilion

Train Room Below

Existing Escalator Entrance

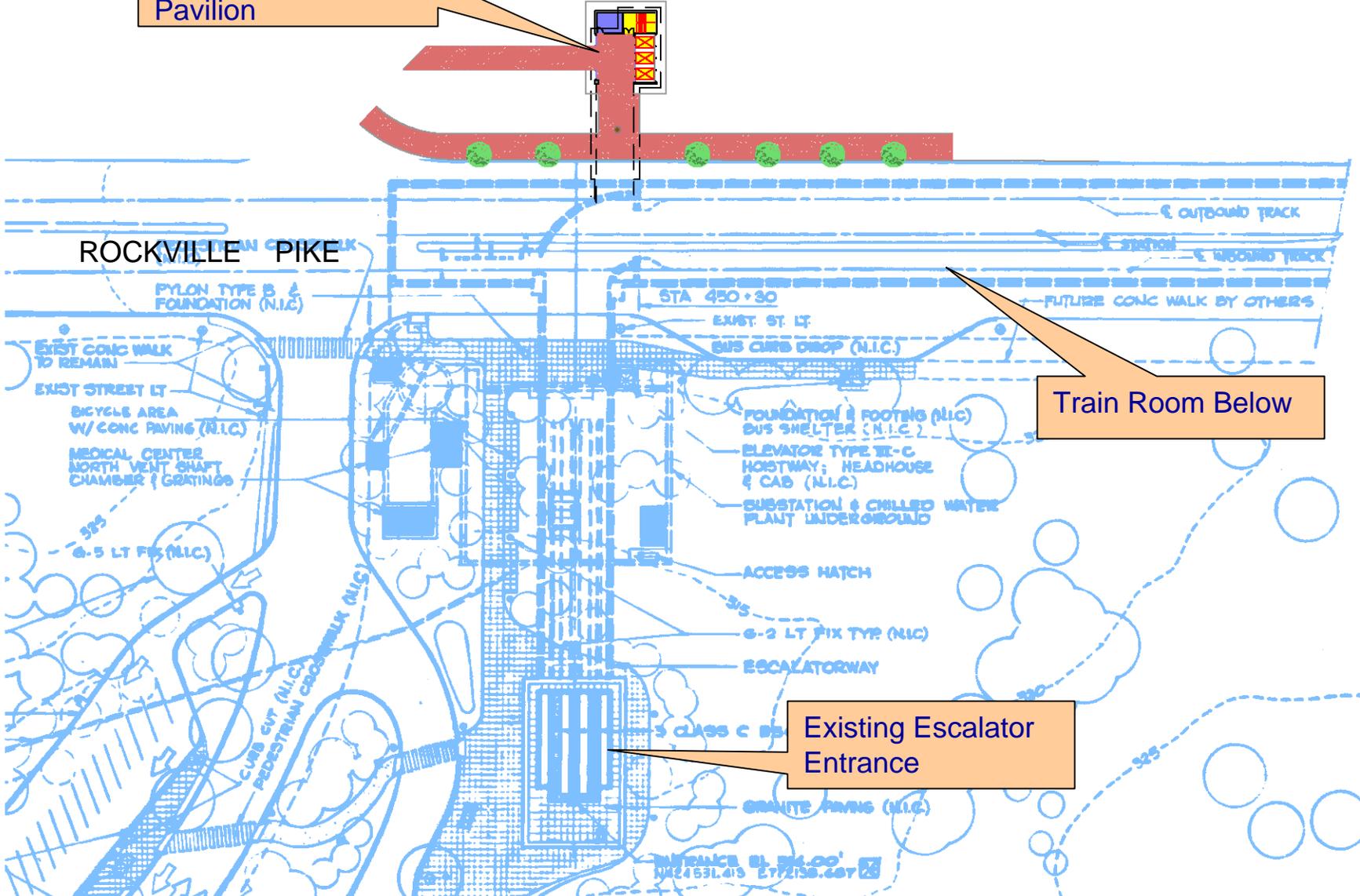


Figure 3: Street Level Plan

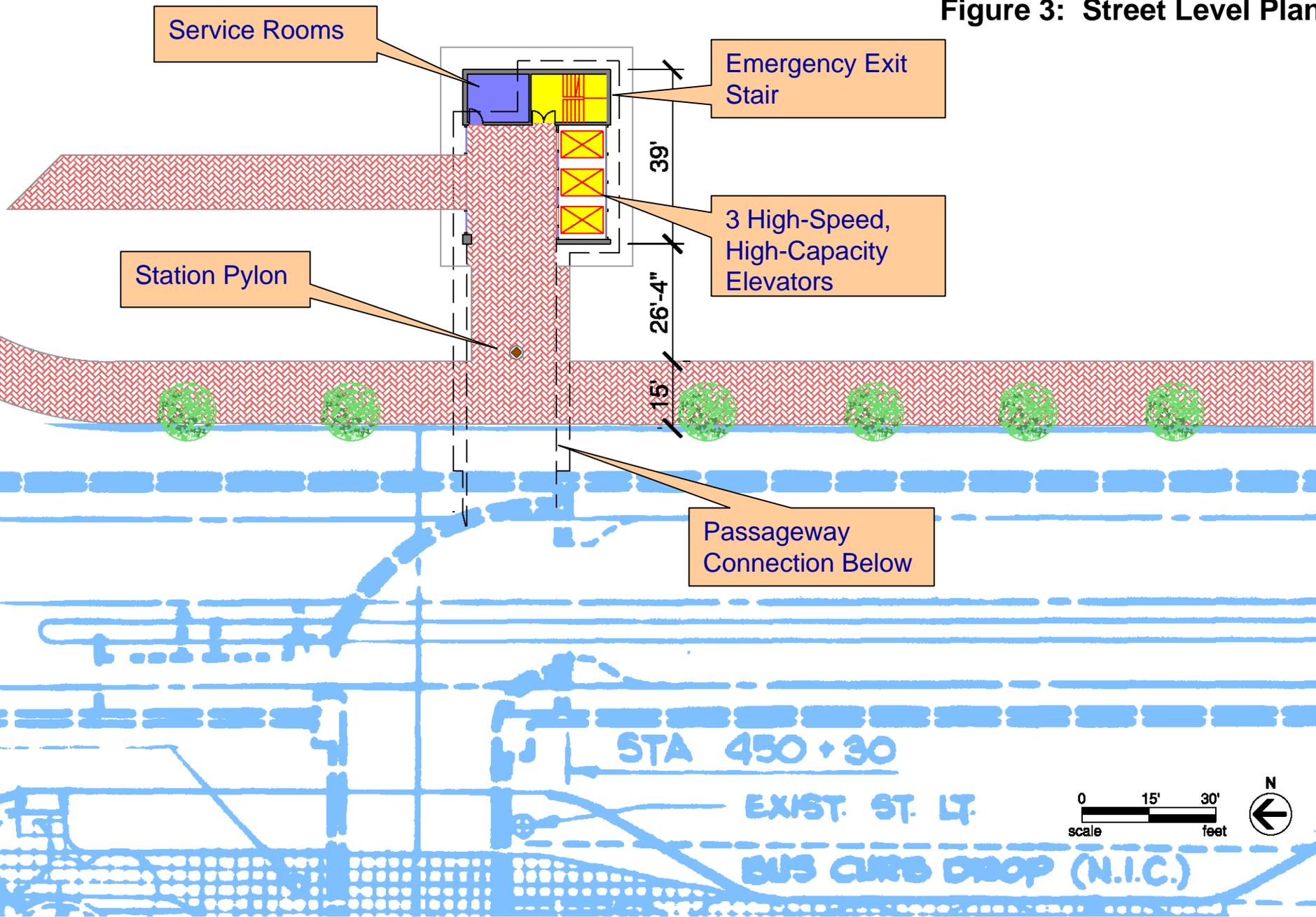


Figure 4: Mezzanine Level Plan

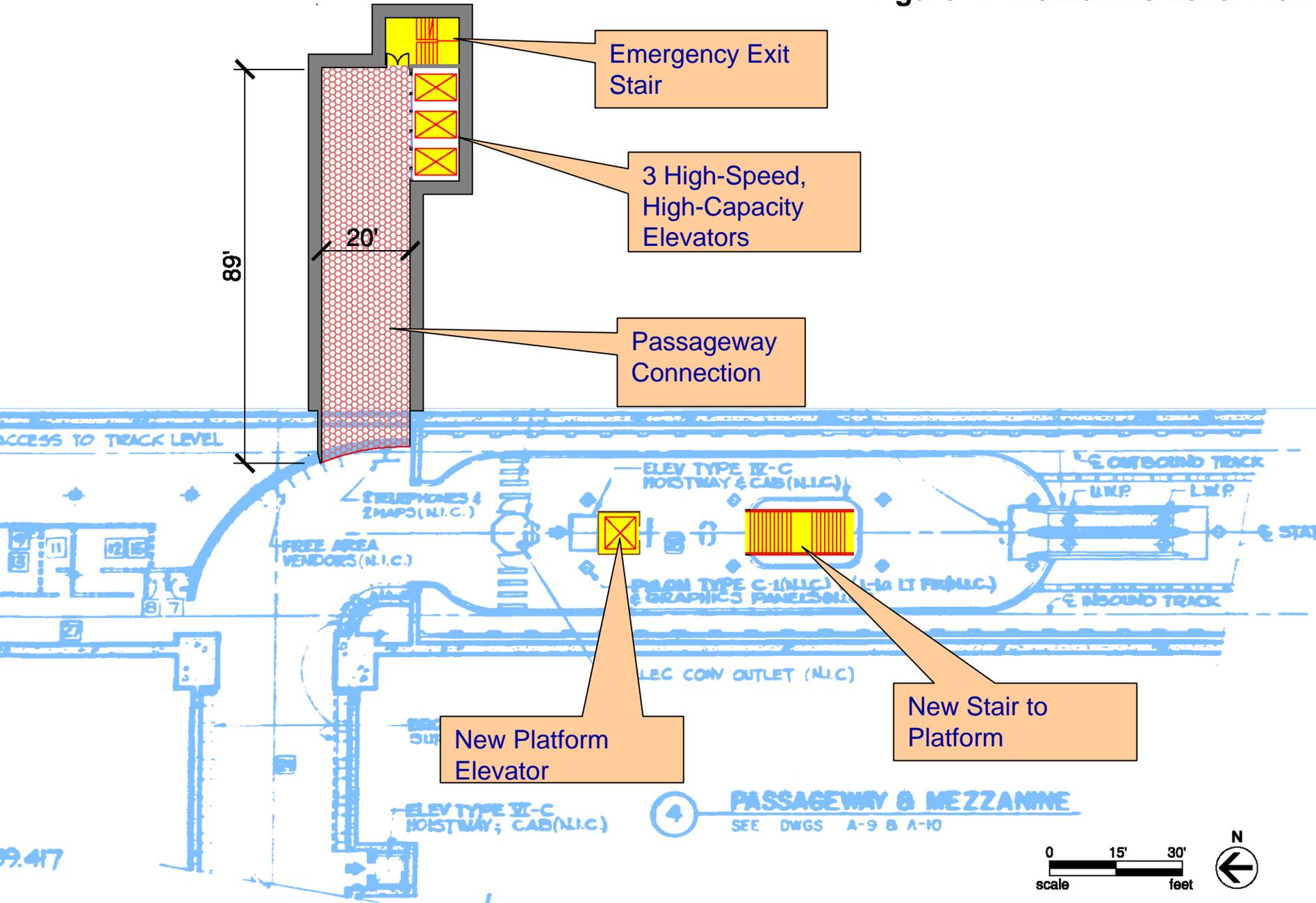


Figure 5: Cross Section Looking South

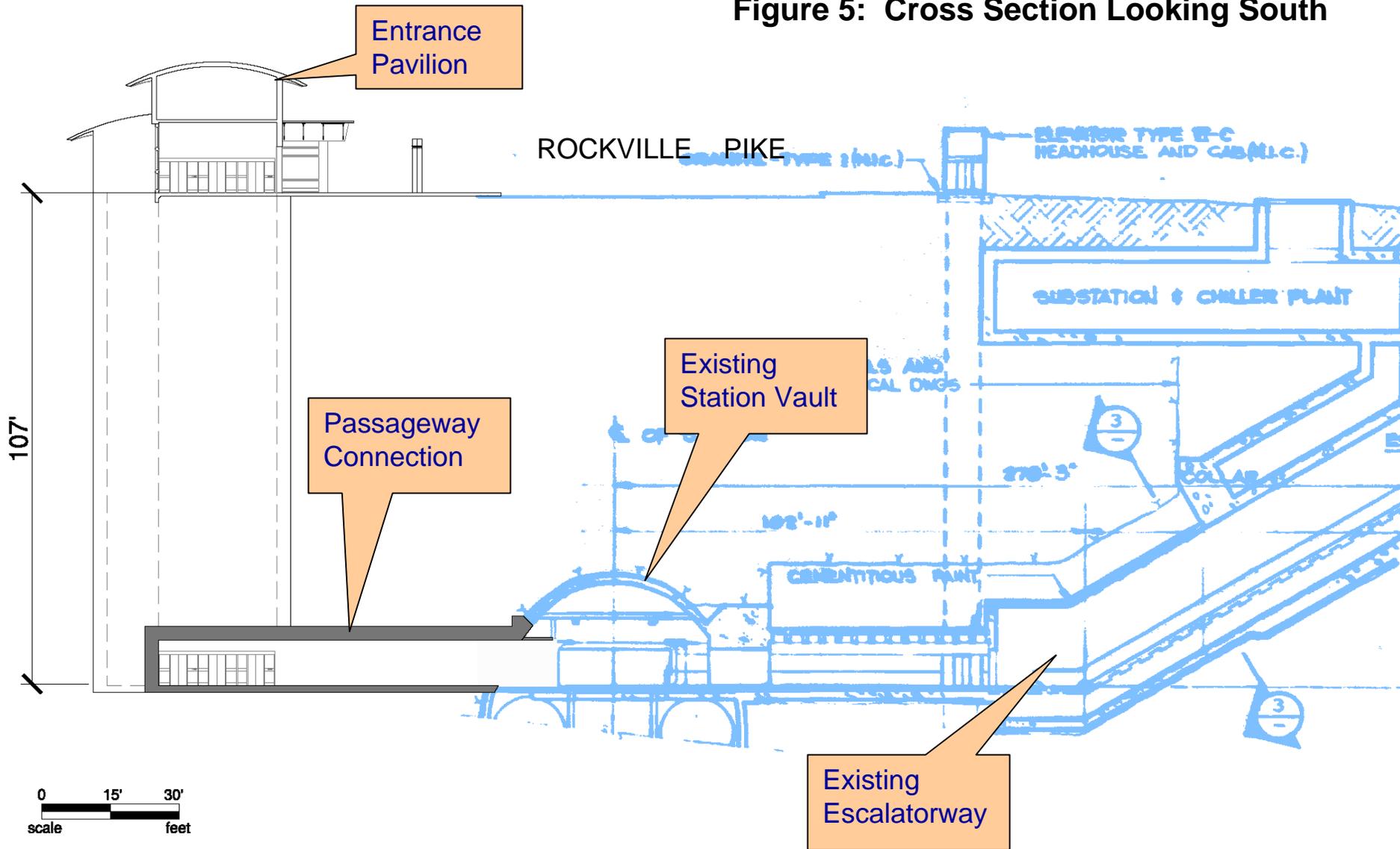


Figure 6: Order of Magnitude Cost Estimate

Description	Unit Cost	Cost Escalation (FY04-07)	SubTotal
Station Entrance Pavillion	\$810,000	\$32,400	\$842,400
Station Entrance Elevators, Systems, Equipment	\$2,580,000	\$309,600	\$2,889,600
Mezzanine Connection, Passageway, Vestibule	\$4,788,000	\$574,560	\$5,362,560
New Platform Stair & Elevator	\$1,385,000	\$166,200	\$1,551,200
Hardscape, Landscape, Furnishing, Lighting, & G	\$440,000	\$52,800	\$492,800
Sub-Total			\$11,138,560
30% Design Contingency			\$3,341,568
Total			\$14,480,128

Total includes Construction Costs only in FY07\$. WMATA historical Soft Cost factor for Design, Engineering, Design Management, and Construction Management: 35% of Construction Cost (\$14,480,000 x 35% = \$5,068,000).

Order of Magnitude for Construction Cost and Soft Costs:

\$14,480,000 + \$ 5,068,000 = \$19.5M ~ **\$20M (low range)**

Next Steps

FY08 Project Development Program includes Medical Center Station Area Planning Study:

- BRAC Plans at National Naval Medical Center
- Analyze Existing Site Conditions, Traffic, Station Access
- Develop Future Ridership Projections
- Alternatives for Access Improvements to Station
- Alternatives for New Station Entrance
- Order of Magnitude
- Final Report