

Union Square: Terrain and Access to Proposed T Stops

Union Square is overlooked by Prospect Hill Park, which has an elevation of approximately 25 meters above sea level. The one-meter contours on this map indicate the steepest slope between Union Square and the proposed Green Line stops lies along Prospect and Webster Streets, on either side of the Union Square Spur Stop.

These contours were created from the U.S. Geological Survey National Elevation Dataset, a raster with a cell size of approximately 9 meters. This cell size smooths over terrain features that are smaller than 30 meters in extent. Therefore, the railroad cut at the union square spur and the elevated rail bed at Washington Street and the associated bridges are not well represented by these contours. Stairways will be necessary to connect these stations with the pedestrian approaches.

Map: Paul Cote, October 30, 2016
Fundamentals of GIS
Elevation: U.S. Geological Survey National Elevation Dataset, 1/3 Arc Second
Roads, Massachusetts Department of Transportation, 2014
Airphoto, Accessed from ArcGIS On-Line
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