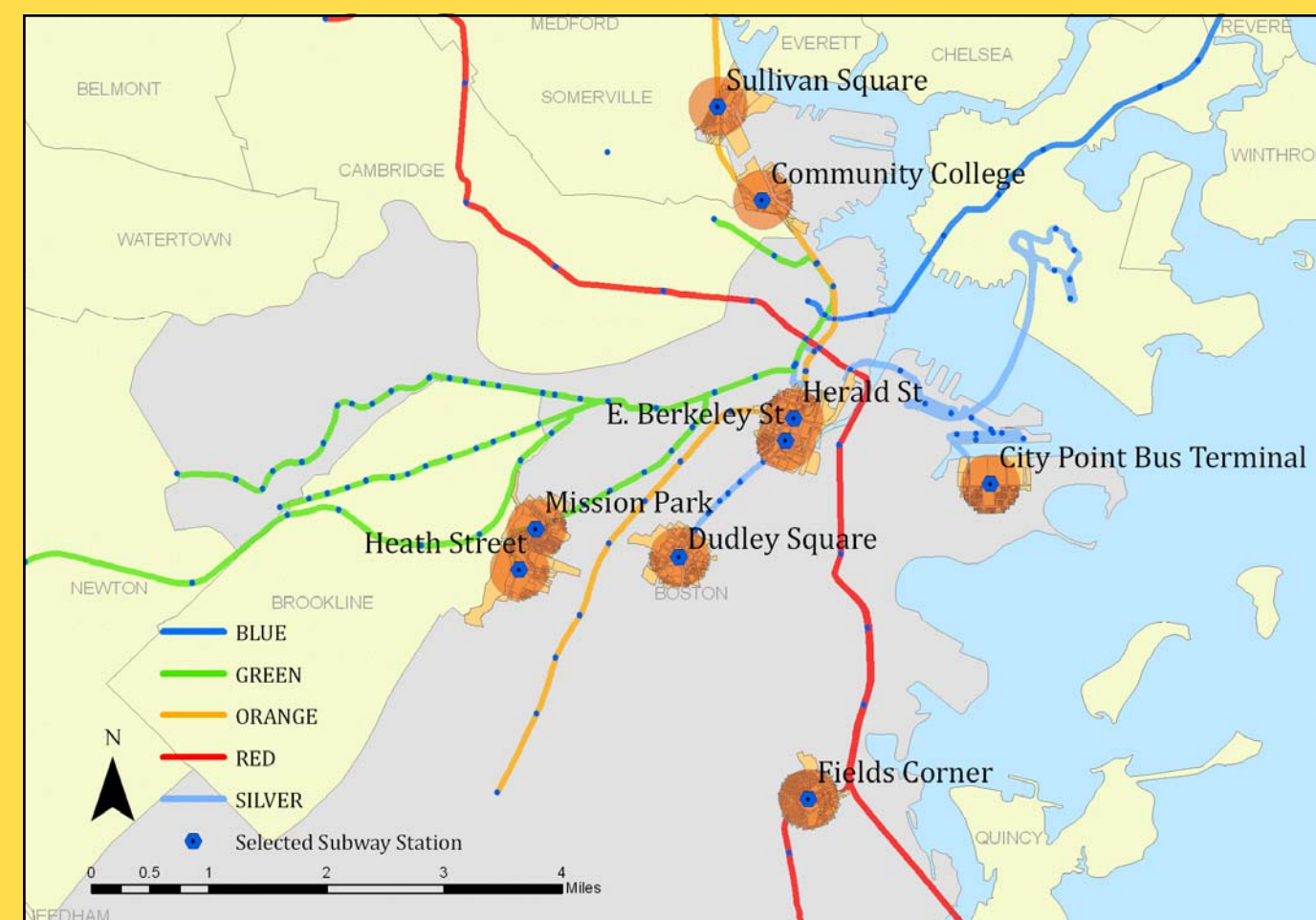


Union Square MBTA Subway Station Implications

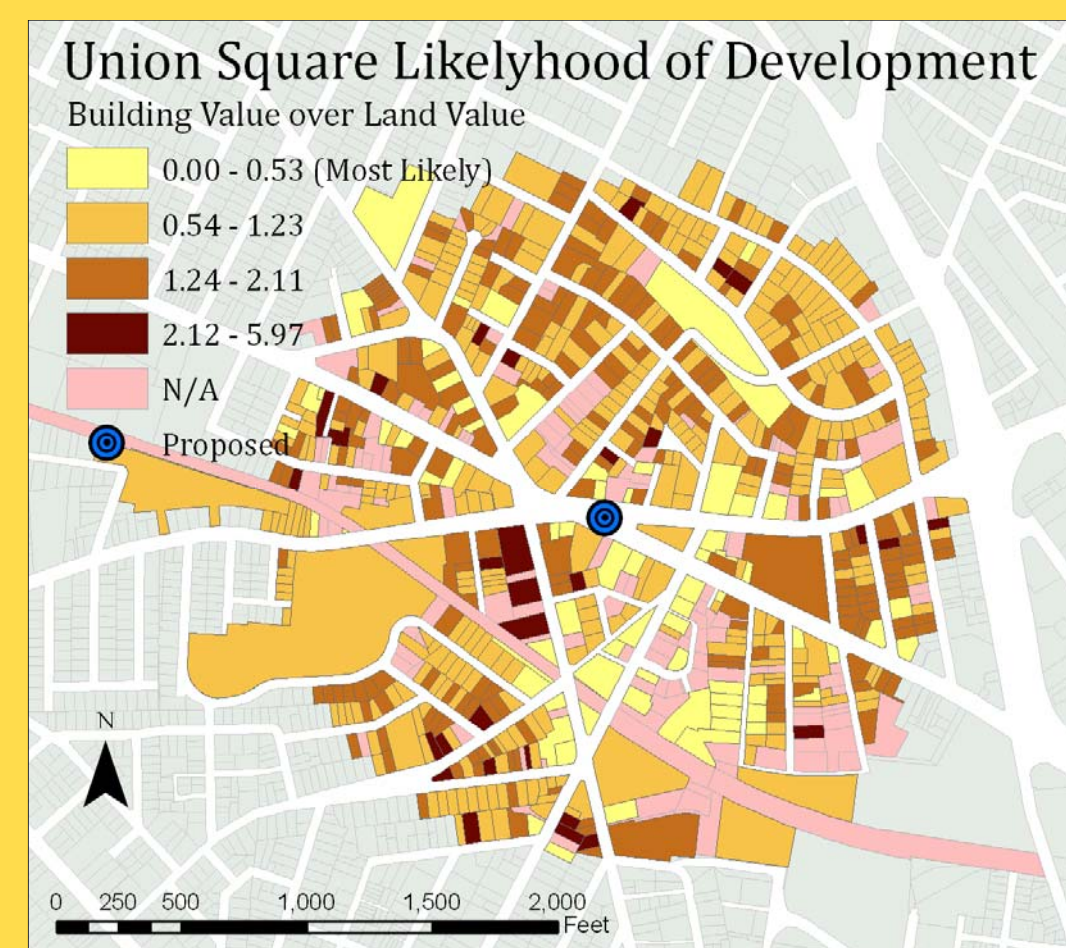
Comparisons for the Proposed Union Square Subway Station

Boston Comparison Methods



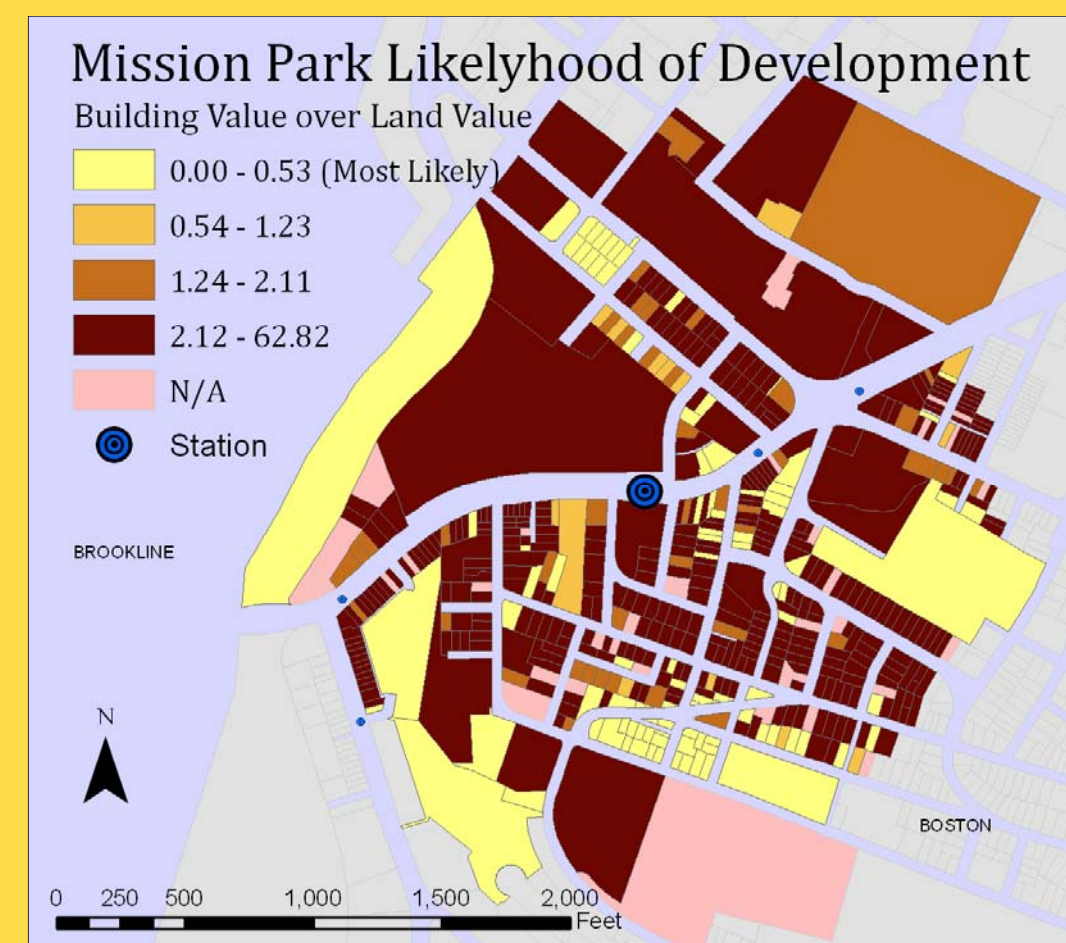
Boston Subway Stations with Commercial Land Usage Similar to Union Square's Usage

To predict the likeliness of development in Union Square if a subway stop is added to the area,



other areas with existing access to subway stops and similar commercial property ratios were found. The ratio of Union Square has about 11% commercial property within a quarter

mile of the proposed station. Nine Boston neighborhoods had similar statistics, within 8%-

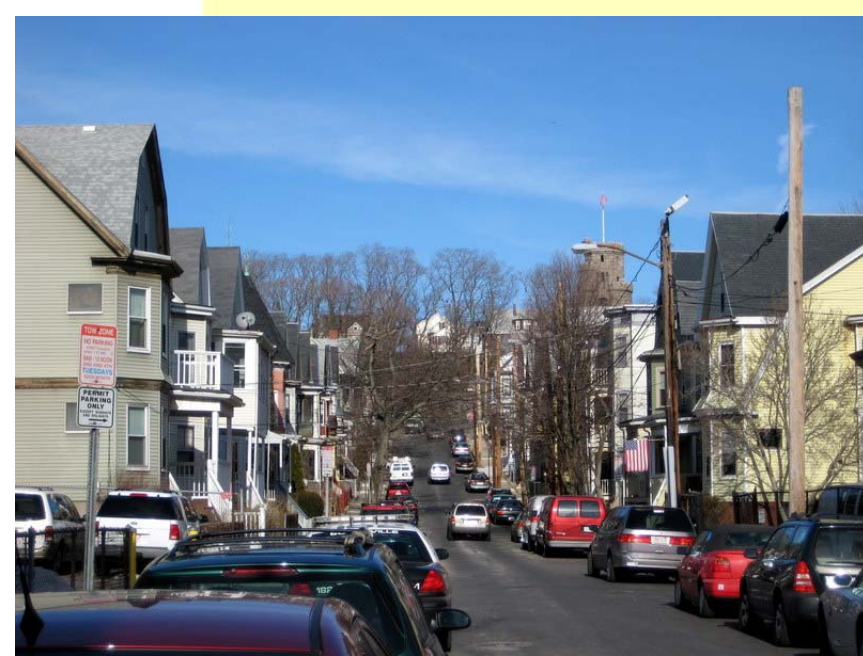
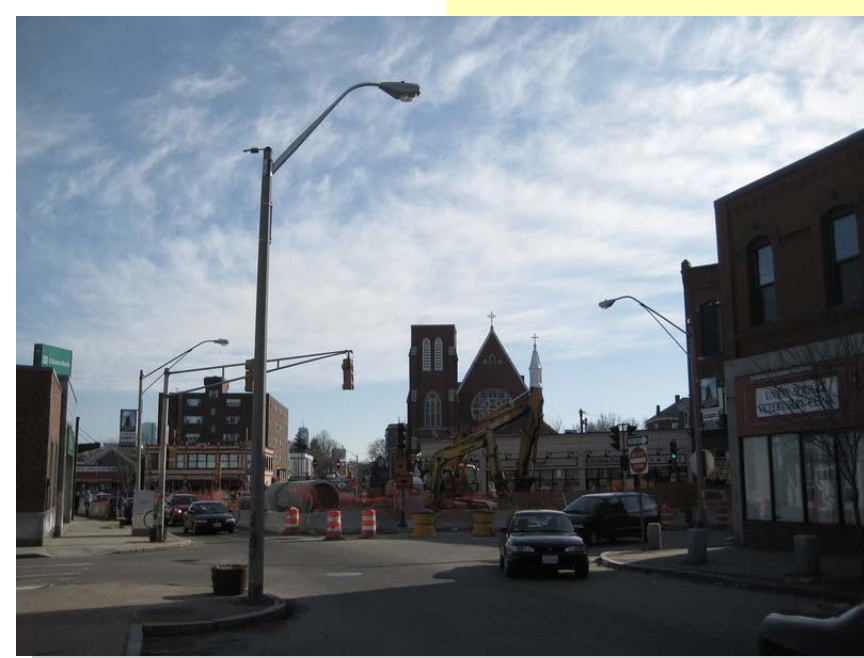


14% Commercial Property. Mission Park was focused on because it is in the middle of the green line, the light rail line, much like Union Square would be. Both of these areas were

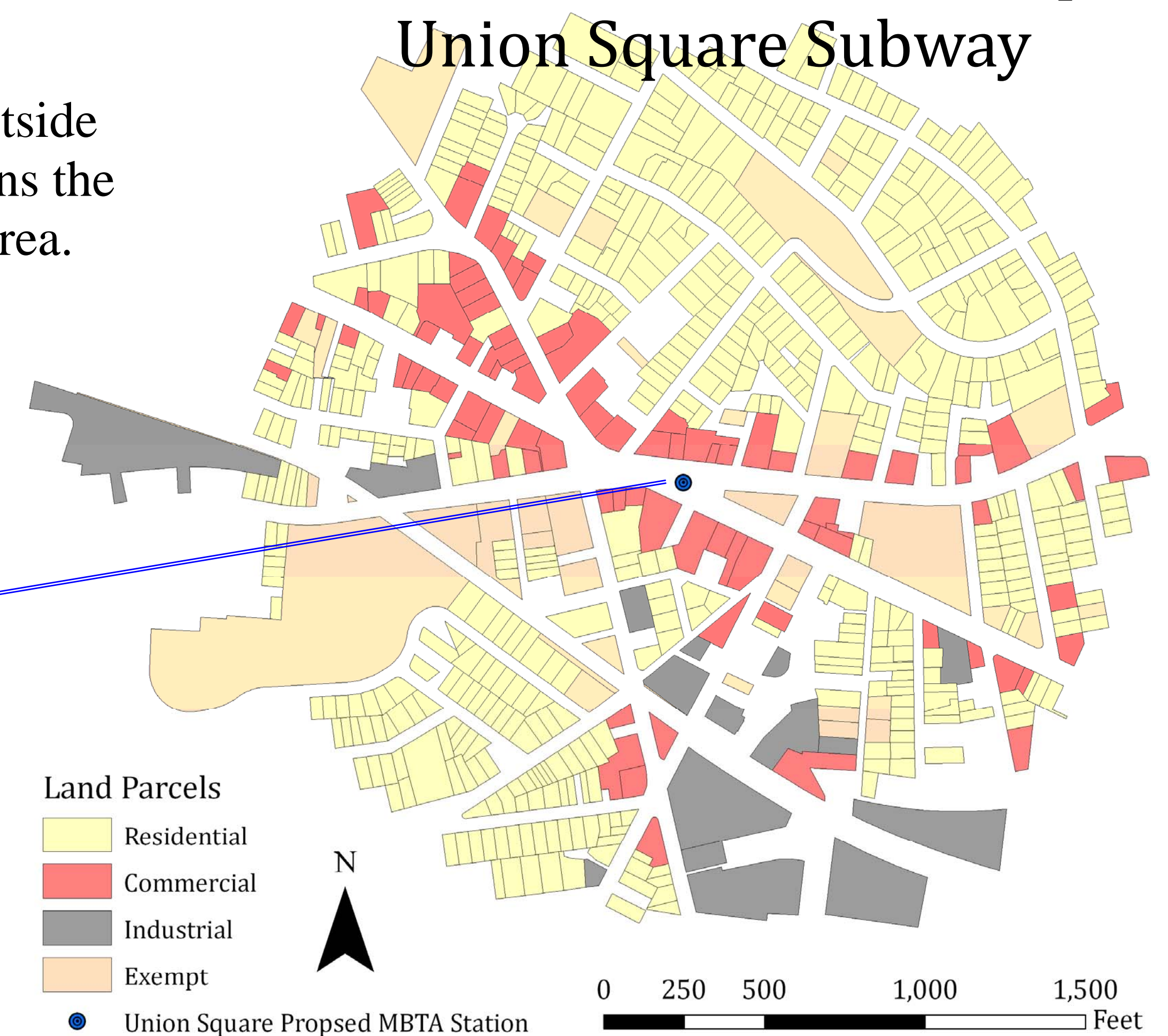
compared by looking at the ration of building value over land value, development potential.

Union Square

Union Square is a neighborhood in Somerville, Massachusetts, just outside of the city of Boston. This project investigates some of the implications the addition of a subway station in the square on the development of the area.



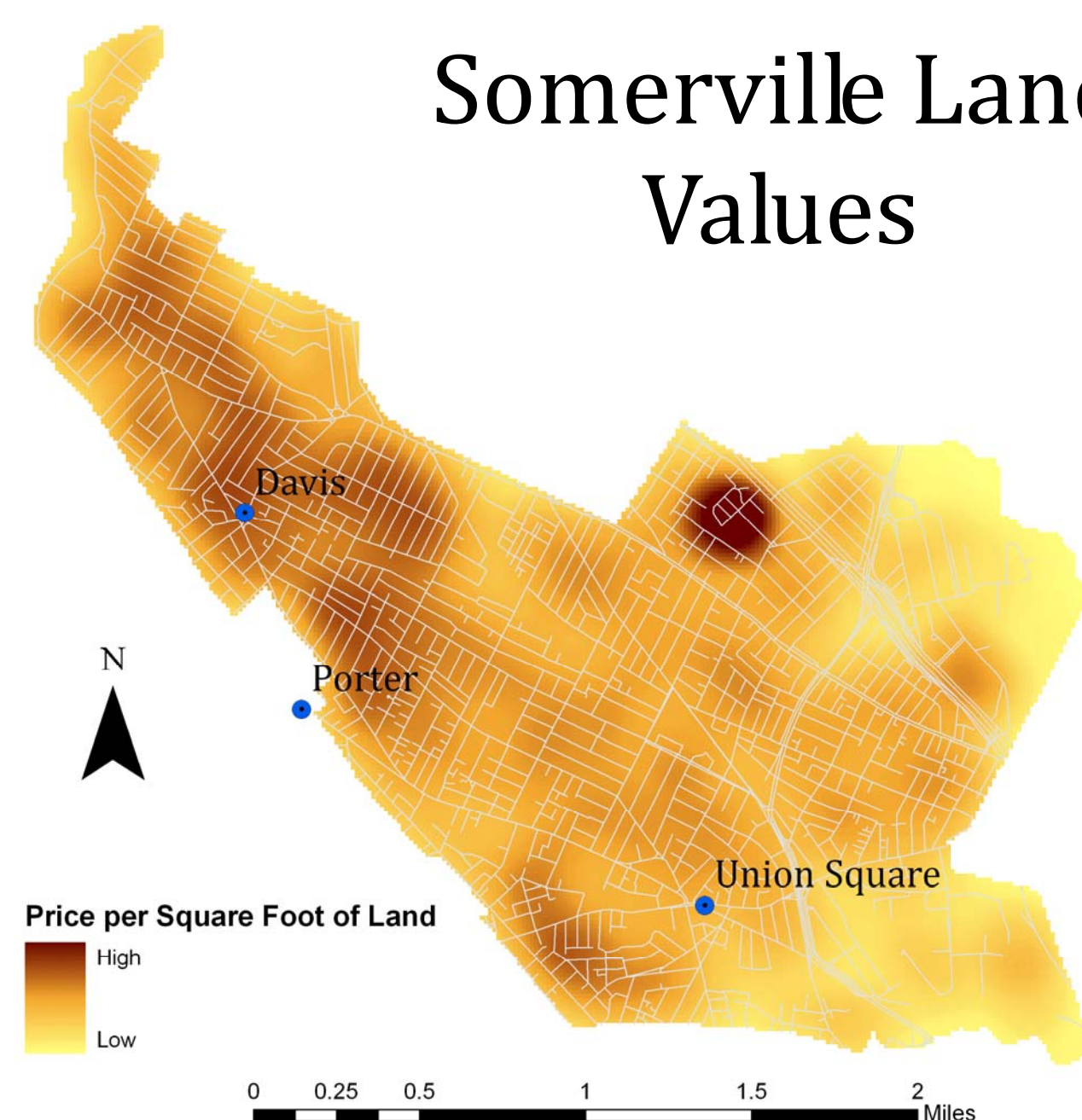
Quarter Mile Perimeter of Proposed Union Square Subway



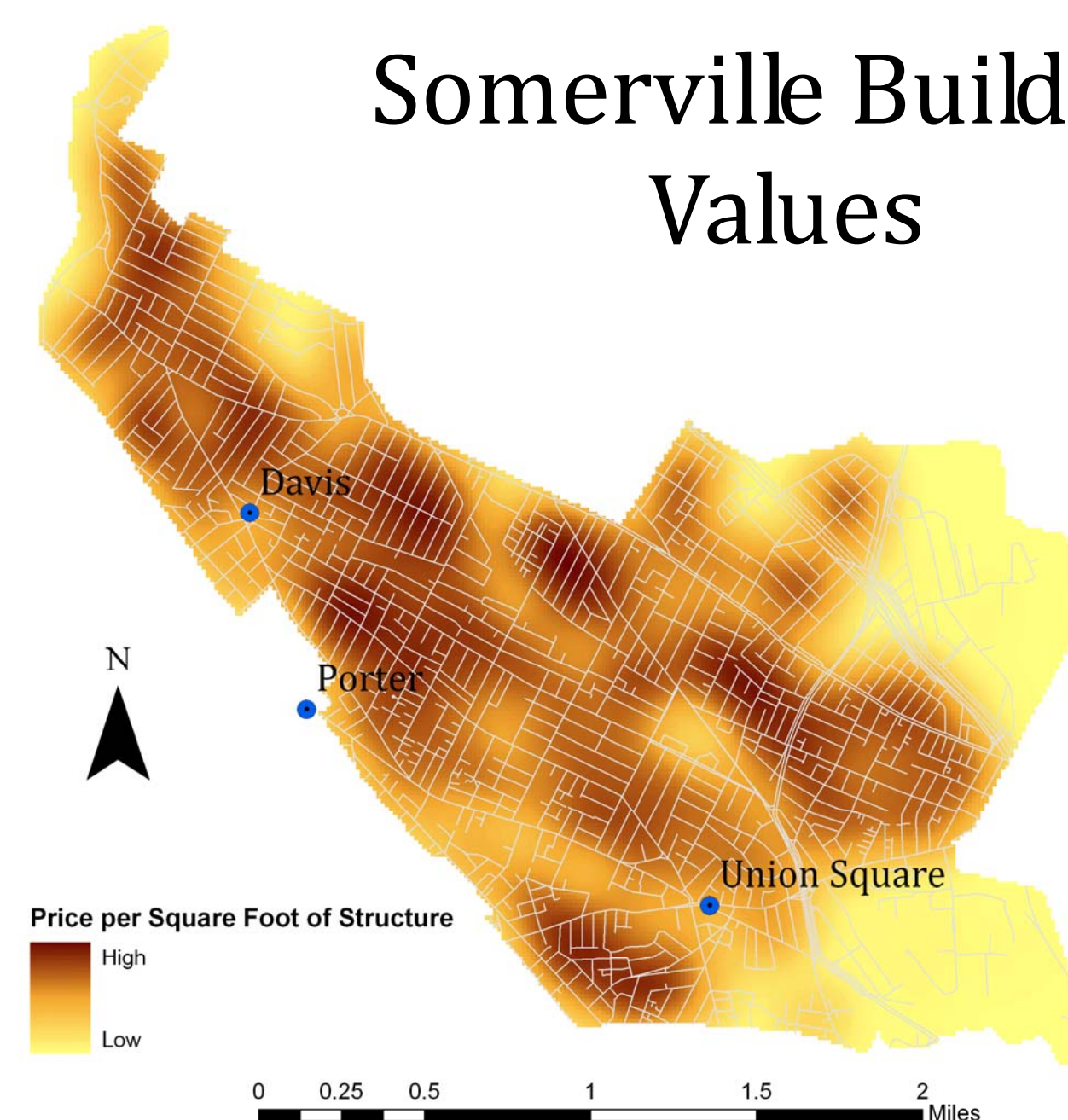
Somerville Comparisons

By looking at an overview of Somerville, it is possible to see how, relative to the rest of Somerville, the Union Square neighborhood has lower assessed land and building values. The high valued land north of Union Square is a housing project. In the building value map, residential property usually has the higher values.

Somerville Land Values



Somerville Building Values



Conclusions

By looking at the makeup of Union Square and comparing the region to other Boston Neighborhoods and other neighborhoods in Somerville, we can begin to visualize the changes a subway station can create. Compared to Somerville, the land value near Union Square is lower. Also, when looking around the commercial centers and subways of Somerville, Union Square does not have as many high valued structures as close to the proposed subway station. Finally, when comparing to Boston neighborhoods of similar land usage with subway access, Union Square has a high potential of development or gentrification if a subway stop is added, and could become like other neighborhoods in Boston.



Cartographer: Adam White
Intro to GIS · May 1 2008

Sources: Mass GIS, Somerville, Boston GIS
Coordinates: NAD 1983 StatePlane Massachusetts Mainland FIPS 2001 Feet