

SITE SELECTION AND DESIGN ASSESSMENT CRITERIA

Tremont Street Subway - Boston, MA

This thesis is site driven. Inspired by the abandoned MBTA subway tunnels of Boston, Massachusetts, the thesis is defined by the character of the existing site and the nature of the subterranean experience. Of more than 10 abandoned tunnels and stations, the specific location was chosen according to the following parameters.

Exterior Parameters

The location should be directly connected and/or adjacent to a dense urban community, however the interior spaces should remain dislocated from that community.

Within the *macro-site* of the densely urban community there should be several vacant *micro-sites* where points of entry can be located (this will allow occupants to decompress as they enter the space).

Interior Parameters

The nature of the interior is disconnected from the exterior; the opportunity for clarification of the senses is essential.

The need for views to the exterior is minimal.

Access to sunlight is critical.

AVERAGE TEMPERATURE AND PRECIPITATION

ABOVE GROUND

Month	Temp.		Precipitation	Humidity	Climate
	High	Low			
January	36° F	22° F	3.36 IN	62%	W INTERS: COLD AND WET SUMMERS: HOT AND HUMID
February	39° F	25° F	3.38 IN	62%	
March	45° F	31° F	4.32 IN	63%	
April	56° F	41° F	3.74 IN	63%	
May	66° F	50° F	3.49 IN	67%	
June	76° F	60° F	3.68 IN	69%	
July	82° F	65° F	3.43 IN	62%	
August	80° F	65° F	3.35 IN	71%	
September	72° F	57° F	3.44 IN	72%	
October	61° F	47° F	3.94 IN	69%	
November	52° F	38° F	3.99 IN	68%	
December	41° F	28° F	3.78 IN	69%	

BELOW GROUND

Depth	Average Temp.	
	High	Low
0 ft.	85° F	5° F
5 ft.	75° F	15° F
10 ft.	65° F	25° F
15 ft.	55° F	35° F
20 ft.	45° F	45° F

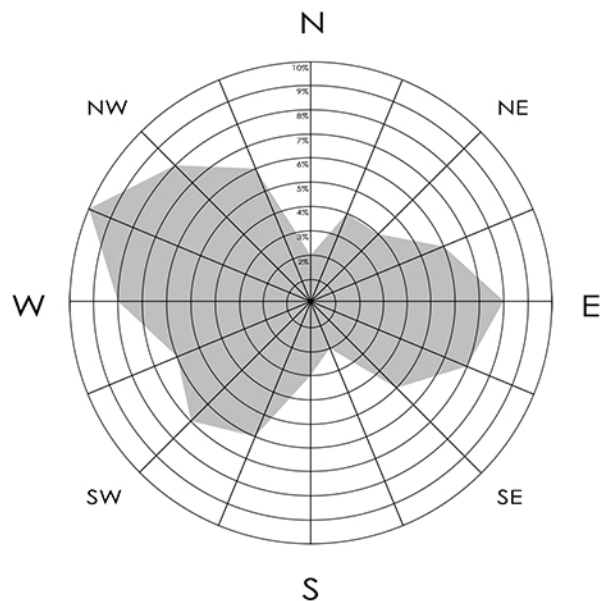


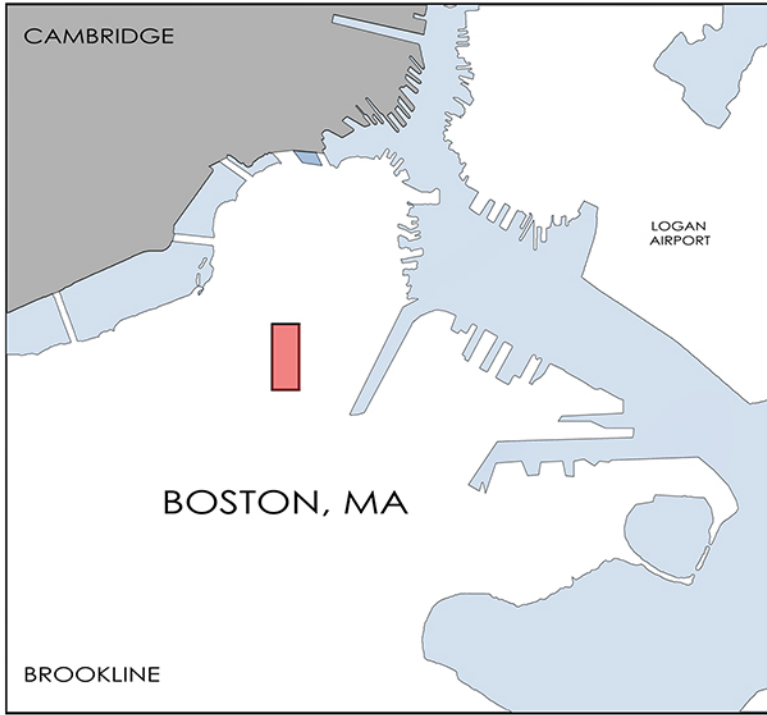
Data collected from: [weather.com](http://www.weather.com)
<http://www.norishouse.com/PAHS/UmbrellaHouse.html>

PREVAILING WIND DIRECTION AND SPEED

<i>Month</i>	<i>Direction</i>	<i>Speed</i>
January	WNW	13 _{MPH}
February	WNW	13 _{MPH}
March	WNW	14 _{MPH}
April	ESE	14 _{MPH}
May	E	12 _{MPH}
June	E	12 _{MPH}
July	ESE	10 _{MPH}
August	ESE	10 _{MPH}
September	E	12 _{MPH}
October	WNW	12 _{MPH}
November	WNW	12 _{MPH}
December	WNW	13 _{MPH}


AVERAGE : 12_{MPH}







SITE MAP

DOWNTOWN 

NORTH END 

SOUTH END 

WEST END 

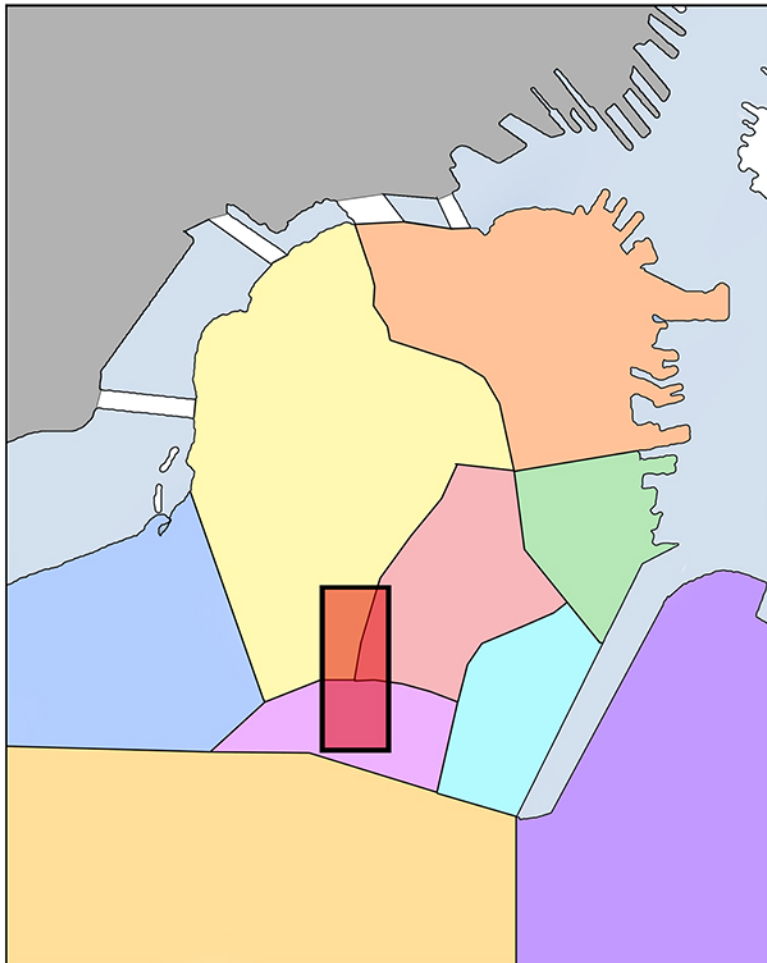
FINANCIAL DISTRICT 

CHINATOWN 

BACK BAY 

SOUTH BOSTON 

BAY VILLAGE 



ACCESS

 WALKING PATHS

 PUBLIC PARKING

 PUBLIC TRANSIT



SHADOW

Dec. 21ST / June 21ST
12PM



LIGHT



NOISE POLLUTION



N
250 FT

CONTEXT

STRESS

OFFICE/
COMMERCIAL

EDUCATIONAL

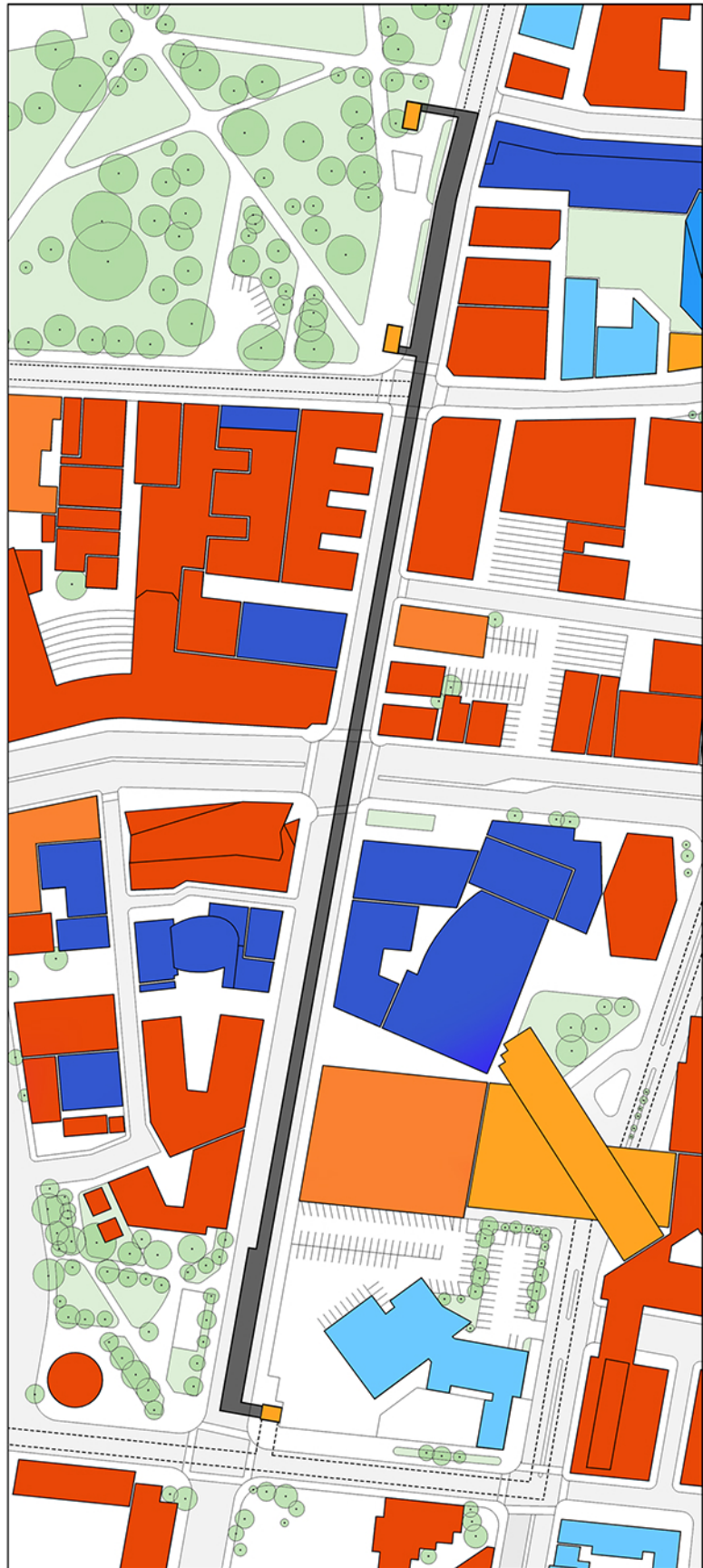
TRANSIT

DECOMPRESS

THEATERS

RELIGIOUS/
SPIRITUAL

RESIDENTIAL



250 FT

N

ENTRY



BOSTON COMMONS

WILBUR THEATER

TUFTS
MEDICAL CENTER

ELIOT NORTON PARK





