



# SHAKER GLEN EXTENSION ECOLOGICAL RESTORATION



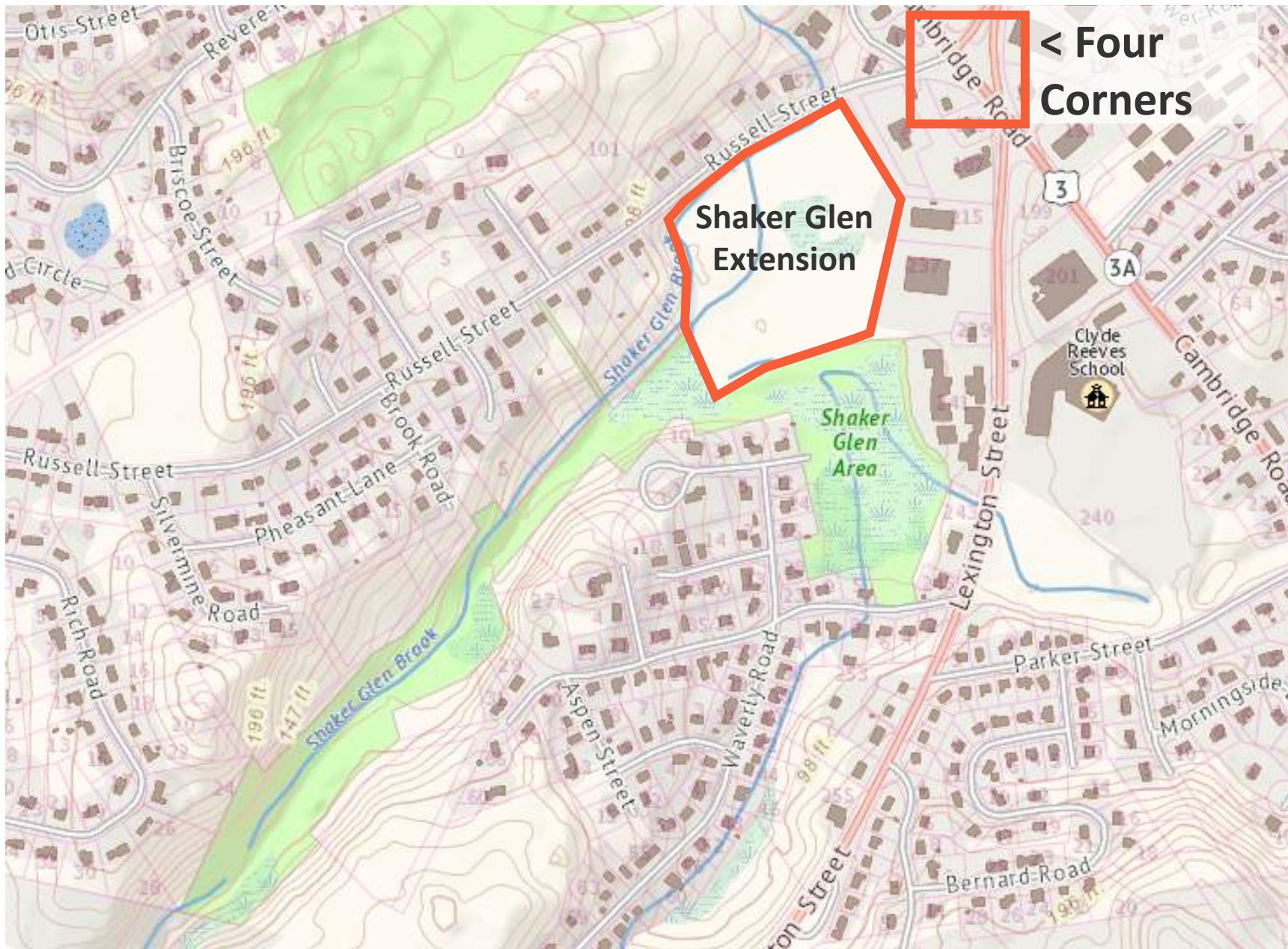


# SHAKER GLEN EXTENSION RESTORATION

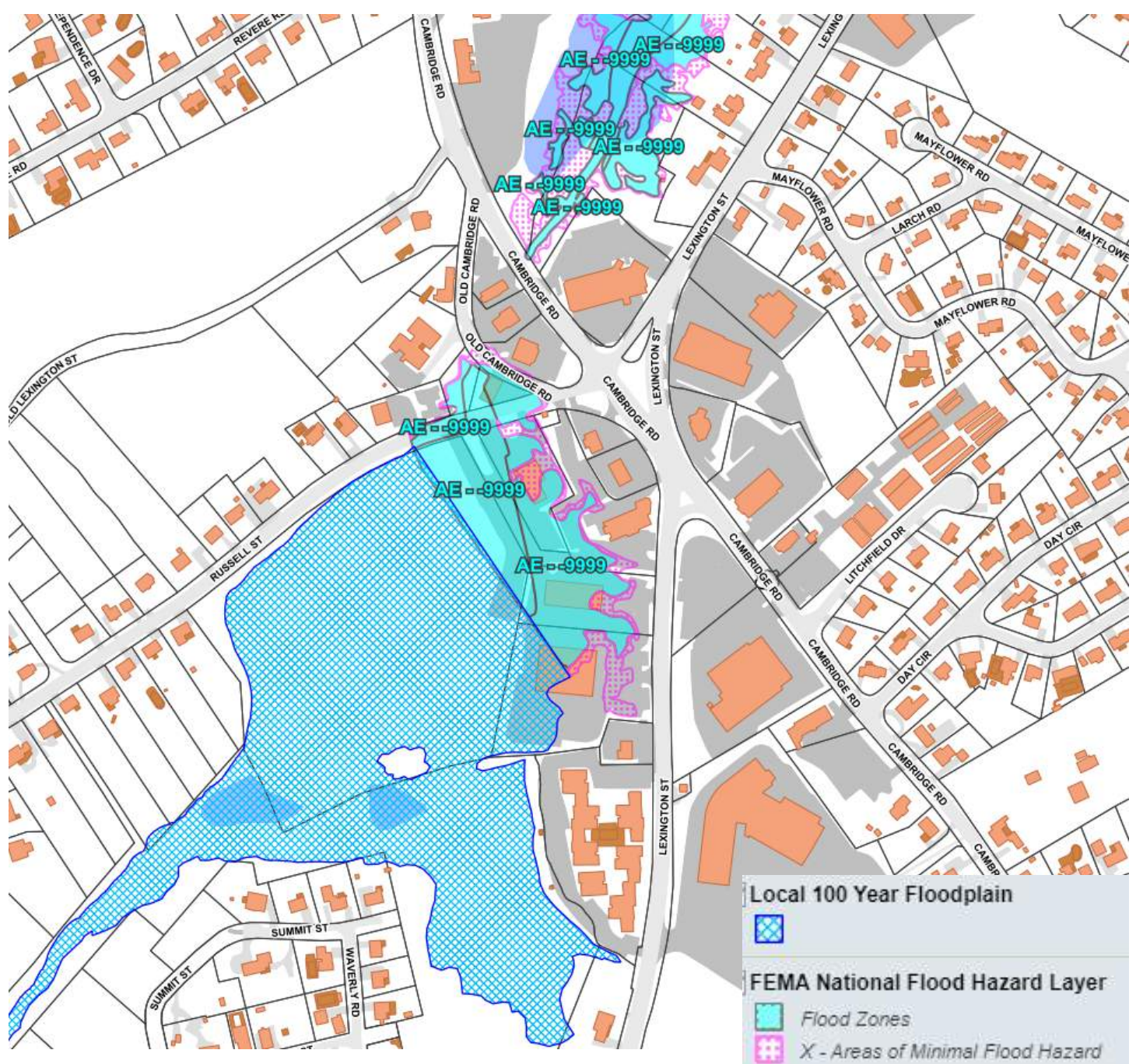
The City of Woburn is restoring a 12-acre parcel, the “Shaker Glen Extension,” adjacent to the Shaker Glen Conservation Area\*. The restoration will **enhance the ecological value of property, clean up decades of debris, increase flood storage, and mitigate flooding** from stormwater during heavy rain in the Four Corners area.



\*WORK IS BEING FUNDED THROUGH NATURAL RESOURCE DAMAGES (NRD) FUNDING



Project Area (MassGIS, Oliver with edits by Weston & Sampson)



Historic Flood Zones (City of Woburn, Maps Online)



Images of Flooding at Four Corners in 2017

<https://patch.com/massachusetts/woburn/power-almost-fully-restored-woburn-other-area-towns>



# EXISTING SITE CONDITIONS





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# DESIGN METRICS



**12 ACRES**

Of restored conservation area with realigned stream, created wetlands and **33,000 CY** of flood storage



**200,000 FT<sup>2</sup>**

Of created wetland habitat



**1500 Linear Feet**

Of improved stream alignment and 3,000 linear feet of enhanced stream bank



**75,000 FT<sup>2</sup>**

Of debris removal and site restoration



**EDUCATIONAL SPACES**

Opportunity for outdoor education space and just under **3,000 linear feet** of accessible walking paths





# PROJECT COMPONENTS



**WETLAND DELINEATION AND  
STREAM  
GEOMORPHOLOGY SURVEY**



**STORMWATER AND  
RESILIENCY FLOODING MODELING**



**SITE RESTORATION  
DESIGN + PERMITTING**



# SITE DESIGN



## Views of the Proposed Design



1 View from the bridge, facing downstream



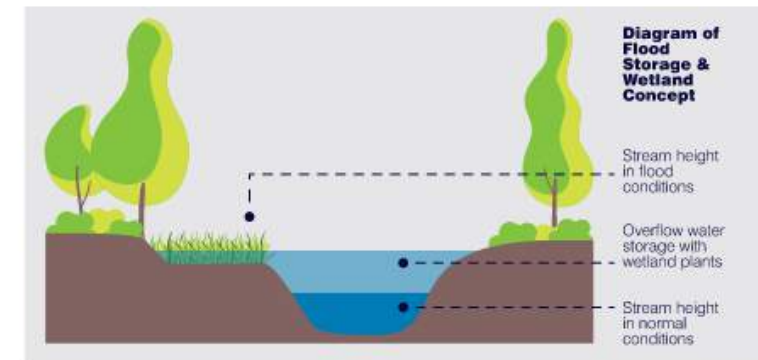
2 View from the bridge, facing the boardwalk



3 View from the outlook, facing the wetland creation and restoration areas

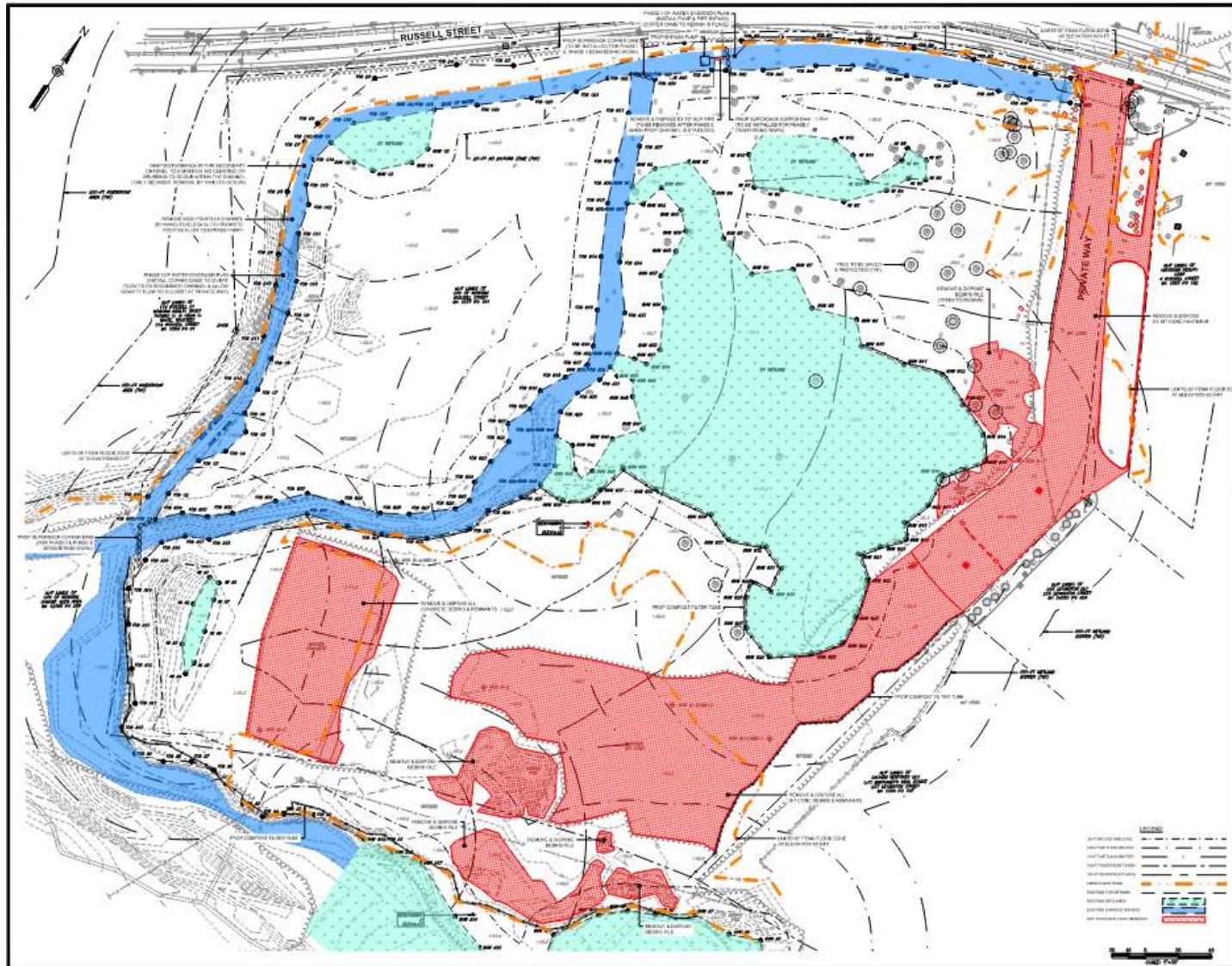


4 View of the boardwalk





# SITE DESIGN

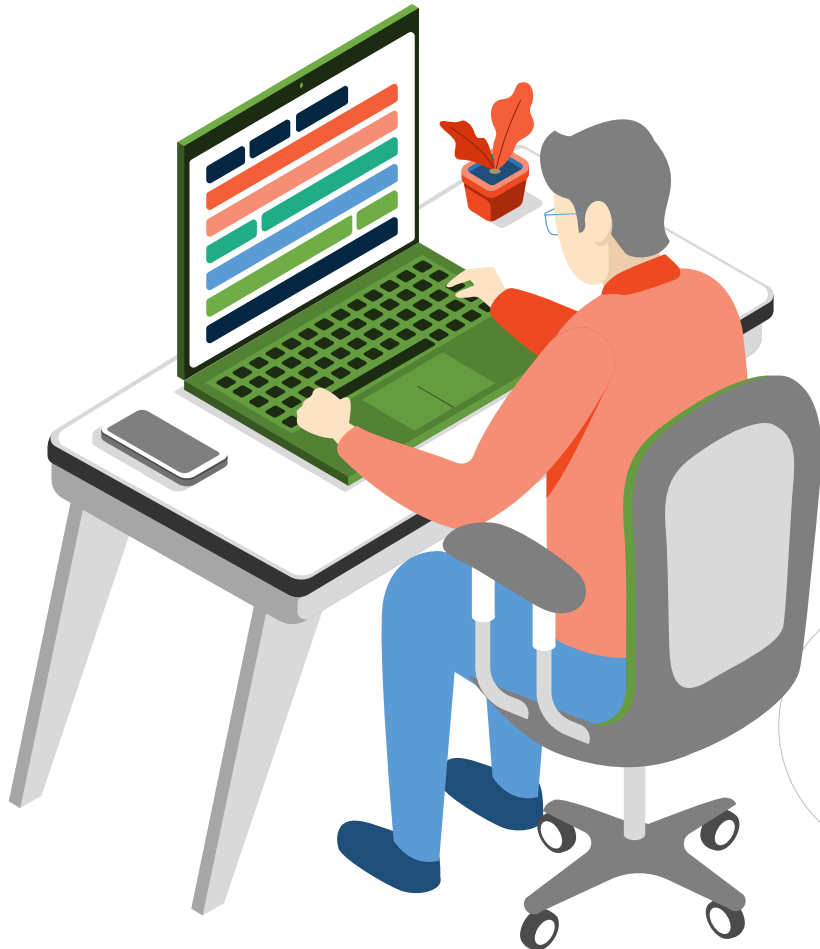






# NEXT STEPS

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**We have submitted the Massachusetts Environmental Policy Act (MEPA) Environmental Notification Form (ENF)**

**Received our ENF certificate with comments**

**Will be submitting our Single Environmental Impact Report (SEIR) to address those comments**

**Then Continue the Permitting Process**



# THANK YOU



Weston & Sampson<sup>SM</sup>

