



**Atlantic Avenue Reconstruction, Hull, MA
Request for Amendment of Order of Conditions (SE 35-1584)
Design Modifications since Issuance of Order of Conditions
August 10, 2021**

Multiple design changes have been made to the project since the issuance of the Order of Conditions (OoC SE 35-1584) by the Hull Conservation Commission on 12/14/2020. These modifications have been made as a result of correspondence with various other environmental permitting agencies including MassDEP and Coastal Zone Management (CZM), private abutters during the right of way acquisition process, and MassDOT reviewers. Therefore, CHA Consulting, Inc. is requesting an Amendment to the OoC (SE 35-1584) for the Atlantic Avenue Reconstruction Project in Hull, MA and has prepared the following list to summarize the major modifications to the design:

- Revise Saltmarsh and BVW Replication/Restoration Area design – STA 33+25 RT per coordination with MassDEP & CZM. The revised design shifts the replication/ restoration area to the east, further away from the stormwater discharge channel and reflects a smaller overall footprint to the adjacent coastal dune/ overwash area. This resulted in a reduced footprint of 305 SF (21 s.f. of salt marsh replication, 70 s.f. of BVW restoration, and 214 s.f. of BVW replication – See Table 1). The area is also proposed to have invasive species (phragmites) eradication to allow for the planting of native coastal dune vegetation.

Table 1 - Wetland Resource Area Impacts/Restoration/Replication			
<u>Resource Area</u>	<u>Original Impacts</u> ¹	<u>New Impacts</u> ¹	<u>Comments</u>
Salt Marsh Impacts	264 s.f. ¹	21 s.f. ¹	Removed the stone dissipator pad at for outfall at STA 32+60 RT. Modify Salt Marsh Replication Plan
BVW Impacts	617 s.f. ¹	284 s.f. ¹	Modify Replication/Restoration Plan Area
Coastal Dune Impacts – BVW replication	319 s.f.	214 s.f.	Convert Disturbed Coastal Dune to BVW

¹Includes proposed impacts associated with wetland restoration/replication

- Remove stone dissipator pad at 32+60 RT to reduce impacts and Land Under Salt Ponds (85 s.f.).
- Add hydrodynamic separator unit at STA 19+87 RT per coordination with environmental agencies
- Add five combined catch basin and tree box filters (STA 9+09 to STA 19+02 RT) per coordination with MassDEP & CZM
- Removed the reconstruction of the stone/cement concrete retaining wall at Gunrock Beach (STA 26+00 LT) from the project.
- Reduce shoulder width to 4 ft. STA 16+30 +/- RT – STA 18+50 +/- RT due to abutter concerns
- Reduce shoulder width STA 64+80 +/- LT to STA 66+00 +/- LT in order to reduce impervious area and impacts near the coastal dune.

- Minor adjustments to catch basin and drainage manhole locations to improve constructability.
- Revise alignment STA 48+25.54 – STA 55+07.33 based on abutter concerns that private parking for #78 Atlantic Avenue would be removed due to the roadway widening at the driveway. The revised alignment shifts the roadway to the south to avoid roadway widening near the driveway for #78 Atlantic Avenue.
- Narrow sidewalk to 4.5' from STA 48+25 – STA 50+63 to reduce abutter impacts and impervious area.
- Extend 7 ft. shoulder for parking to STA 50+35 +/- RT (previously ended about STA 48+75 RT) due to abutter concerns regarding a lack of on-street parking in the area.
- Minor modifications to utility pole and overhead wire locations per coordination with abutters and utility companies.