



CITY OF NEW BEDFORD
JONATHAN F. MITCHELL, MAYOR

November 21, 2016

To: Conservation Commission

From: Sarah Porter, Conservation Agent *SP*

cc: Amanda Atwell – Epsilon Associates

Re: SE49-0746 Notice of Intent

New Bedford Regional Airport Reconstruction of Runway 14/32

I have reviewed the Notice of Intent dated November 3, 2016 and the Wetland Replication Plan dated November 2, 2016 prepared by Epsilon Associates, Inc. and the NOI Permit drawings dated November 2016 prepared by Airport Solutions Group. I offer the following comments on this application:

1. Please move all erosion controls outside of the 25' No Disturb Zone on sheet C 1.2.
2. I contacted MA DEP about the culvert extension and they agreed with Epsilon's approach to extending the culvert with the same size pipe. They did not think the stream crossing standards were applicable.
3. On Sheet C1.1 Erosion controls need to be shown in the wetland at the base of the 2:1 slope and an erosion control matting should be proposed for the 2:1 slope. In addition, to prevent erosion in the wetland, rip rap should be provided at the outlet to the 18" pipe.
4. The silt fence detail and the silt fence and hay bale detail on Sheet C2.2 show a compacted earth mound on the side to be protected. I am concerned that if these erosion controls are used in the wetland area that the compacted material will wash into the wetland.
5. On Sheet G1.4 the contractor staging area is at the 100' Buffer Zone. The Commission requested that this be moved so that it is completely outside the 100' Buffer Zone.

The following are a draft of Special Conditions for this project

1. Prior to work commencing all wetland flags in and within 100' of the work area and the replication area shall be staked in the field and marked with the corresponding flag numbers. This shall occur prior to placement of the erosion controls. The Conservation Agent shall review the flagging prior to work commencing.
2. All erosion controls shall be installed and inspected by the Conservation Agent prior to work commencing
3. The Conservation Agent shall meet in the field with the Wetland Specialist and the Resident Engineer and/or the Contractor to stake out the location for the swamp mats to access the Wetland Replication Area.

4. Dewatering locations and methods shall be approved by the Conservation Agent prior to the commencement of dewatering.
5. In as much as practicable, this Order of Conditions requires that the construction of the wetland replication area be completed prior to the filling of the Bordering Vegetated Wetland. Complete is defined as all activities leading up to and including, the wetland plantings, the submission of the certification of the final elevations of the wetland replication area and the verification of the seasonal high groundwater elevation.
6. The resume of the Applicant's Wetland Professional who shall oversee the construction of the wetland replication area, is to be submitted to the Conservation Commission, or its designated agent, for acceptance two weeks prior to initiation of replication activities
7. The final elevations of the wetland replication area shall be shown on an as-built plan (1' contours) and Stamped by a Massachusetts Professional Land Surveyor. A copy of the stamped as-built shall be provided to the New Bedford Conservation Commission for acceptance prior to the planting of the wetland replication area.
8. The seasonal high groundwater table in the wetland replication area shall be verified by a Certified Soil Scientist or Professional Civil Engineer prior to planting. A stamped plan showing the elevation of the seasonal high groundwater table shall be provided along with verification that it will support the proposed wetland plantings.
9. In compliance with 310 CMR 10.55 (4), the wetland scientist shall submit monitoring reports documenting the success of the wetland replication areas. These reports will document the establishment of at least 75% coverage of indigenous wetland plants within the replication areas. These reports will be provided at the end of construction and once a year for two years. The Conservation Commission reserves the right to request additional seeding or planting to guarantee the success of the replication areas. Proposed shrub & tree plantings that die during this time period shall be replaced. The reports shall also document the presence of invasive species within the replication area and recommend control methods.