

1. General Comments

- a. Plans need to show full length of culvert in road being connected into and other connections in the same line up to 90 Waverly Street
- b. Roof Drain detail is not provided. Only Foundation Drain detail is provided.
- c. Snow Storage areas are not shown on plan. Snow storage areas should be provided.
- d. Dewatering plan has not been provided. Dewatering plan should be provided.

2. Sheet C-111 comments

- a. Some presumed temporary drainage swales are missing labels.
- b. Inconsistencies between “haybale” and “strawbale”. Should be strawbale only.
- c. CBs should be numbered, including those in roadway, for differentiation in discussions.
- d. CB in Waverly Street proposed to connect into is shown at 12” PVC. Field observations by Conservation and DPW staff have found only 12” RCP.
 - i. CB inverts should also be confirmed. Field observation does not support a 3-foot depth.
- e. CBs on Union Street are not shown with sediment/ silt bags. Silt bags should be added to all CBs within 100 feet of construction entrances.
- f. Soil stockpiles are shown without erosion control barriers. Erosion control should be shown in a perimeter around all stockpiles.
- g. Drain pipe in the middle of the wetland is shown as PVC. While the northern pipe exiting the wetlands is known to be PVC, the pipe in the middle of the wetlands was observed by Conservation Staff and Commissioners during the MassHousing site visit to consist of stone or granite.
- h. Several CBs are shown from the proposed drainage plan with call-outs for silt bags. This sheet is site preparation and the CBs in these areas do not exist yet. If the proposal is to install CBS before the rest of site work, then all CB’s shown should have silt bags called out.

3. Sheet C-121 comments

- a. Differences in curb symbology is not clear on the plan due to small size, please differentiate with either larger or differing (such as dashed lines) symbology.
 - i. Curbing on the edge of pavement closest to the wetlands should be confirmed.
- b. Single wetland area sign proposed in middle of BVW length at toe of slope. It would be more effective to have multiple markers adhered to the proposed 4-foot fence at the top of slope. Suggested sign to read “Protected Wetland Area. No Dumping.”.
 - i. No dumping signs should be added on the fence line near the trash receptacle in this area regardless.
- c. See also comment 2-d

4. Sheet C-131 comments

- a. Foundation and Roof Drain symbology is identical and overlapping. These should be differentiated more clearly.
- b. Drain from either foundation or roof on the easterly corner has an outlet with an FES pointed towards the wetland part way on the slope, with no riprap or other mitigation. No treatment is provided. This should be corrected on the plans.
- c. Emergency Spillway for surface basin is pointed towards wetland with no riprap or other mitigation called out on plan. Riprap or other form of protection should be added to mitigate erosion.
- d. See also comment 2-d

5. Sheet C-141 comments

- a. See previous comments

6. Sheet C-151 comments

- a. Not ConCom related- Pinus Strobus proposed in ROW for Union Street should be changed. Species is self pruning and presents substantial hazard to the roadway as trees mature.
 - i. Additionally trees are under powerlines. All trees under or near powerlines should be less than 35-feet (optimal), 40-feet (acceptable) in height to prevent interference with powerlines as trees mature (this also applies to proposed maples and oaks). Recommended substitution for dwarf species, or alternative short species (e.g., redbus, crabapples, serviceberry, dwarf maples, striped maples, etc. || or alternatives, spire or columnar cultivars with minimal spread, set back from the powerlines.
- b. Lawn area/ lawn mix proposed for slopes facing wetland in buffer zone. Recommended native wildlife seed mix (optimal), native erosion control mix (acceptable) to minimize spread of non-native and invasive fescues and grasses, and to mitigate impact to wildlife habitat cause by the development.
- c. Surface basin is called out to have New England Wet Mix, but symbology is for New England Restoration Seed Mix- Dry. Symbology for New England Wet Mix does not appear on the plans.
- d. Two honey locust species are proposed on the rop of bank for the surface basin. Honey locust species drop their leaves all at once in the fall and frequently can cause clogging for CBs and drain pipes. Consider alternative species that will have less impact on long-term stormwater maintenance.

7. Sheet C-161 comments

- a. Detail E5 calls for haybales. This should be strawbales. Hay spreads invasive seed which can negatively impact the wetlands.
- b. Detail C3 for construction fence should include a 4-inch minimum gap at the bottom of the fence from the ground to allow passage of amphibious or semi-aquatic species during migration periods from the vernal pool.

- c. Detail A1 for rock construction entrance lists a 6" minimum depth. ConCom standard conditions are for 8-inch minimum depth. This should be corrected on the plan.

8. Sheet C-171 comments

No comments at current time.

9. Sheet C-181 Comments

- a. Detail E5 - see comment 7-a

10. Sheet C-504 Comments

No comments at current time.

11. Sheet C-505 Comments

No comments at current time.

12. Sheet C-506 Comments

No comments at current time.

13. Sheet C-507 Comments

No comments at current time.

14. Sheet ES100 Comments

No comments at current time.