

## Project Description

Fence repair Bullet Hill School, Southbury CT

Town of Southbury Historic Buildings Commission

### Objective:

To re-erect and repair section of perimeter fence at southern property boundary.

### Situation

61 foot section of 4 foot high rail (horizontal board) fence damaged by falling branches during May 2018 storm. Posts are broken at ground line and structure has collapsed.

### Guidelines

1. Clear debris from work area with consideration to salvage any whole, re-usable parts.
2. Remove broken post sections below ground level.
3. To re-use the same post holes remove enough ground materials to set new posts at 2 foot depth.
4. Temporarily set new 4x4 pressure-treated posts and mark the placement of cuts for height and those intended to receive the rails. Match former spacing maintaining a reasonably true line-of-sight (design diagram attached).
5. Remove posts from holes and make the joinery and top cuts.
6. Set in place and plumb posts using stone/gravel back-fill.
7. Re-attach as many of the salvaged rails as practical using hot-dipped galvanized nails or exterior grade screws.

### Additional considerations

There is an attached perpendicular fence section which shares a corner post. That section is erect but is out of plumb due to the stress and weight of the attached wreckage. At first glance its posts appear to be intact. If so, it might be possible to force it back into place and then adjust the gravel fill once the adjacent stress is eliminated. A supplementary correction might be to employ the use of "sister" supports.

### Attachments

JD. Dec 2018

