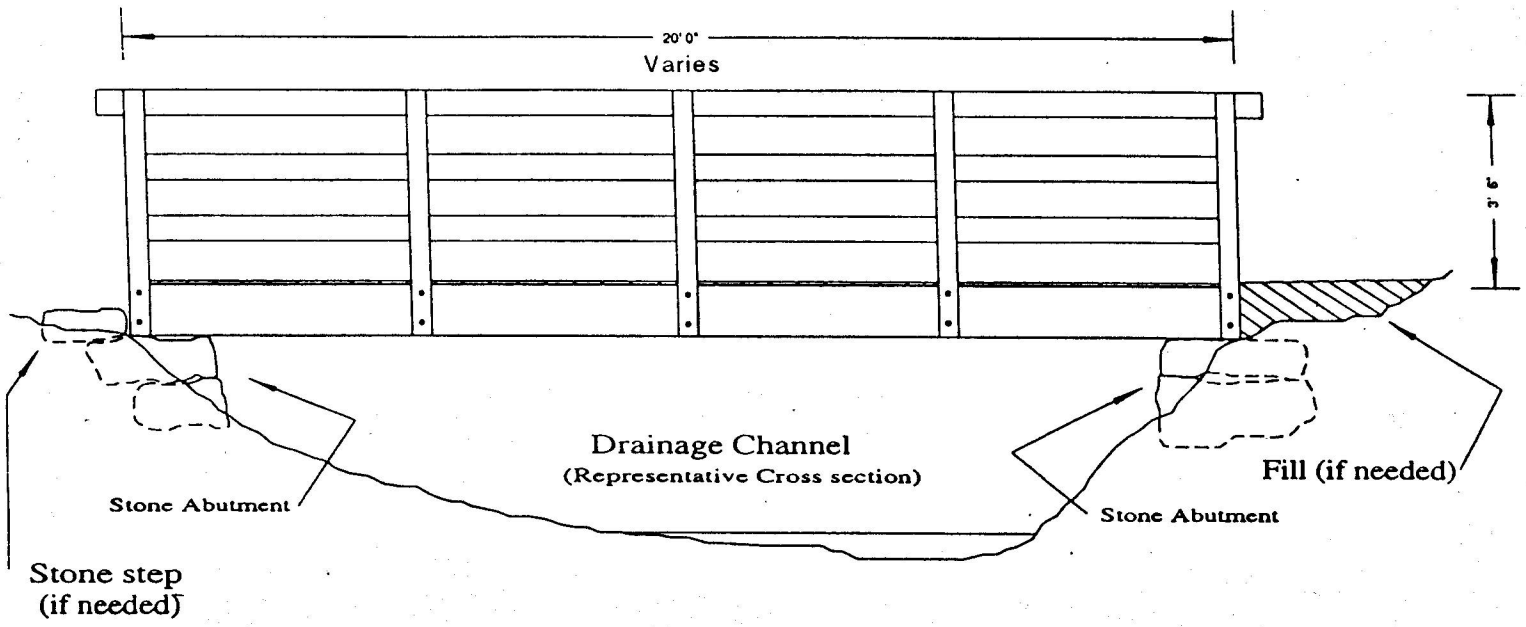
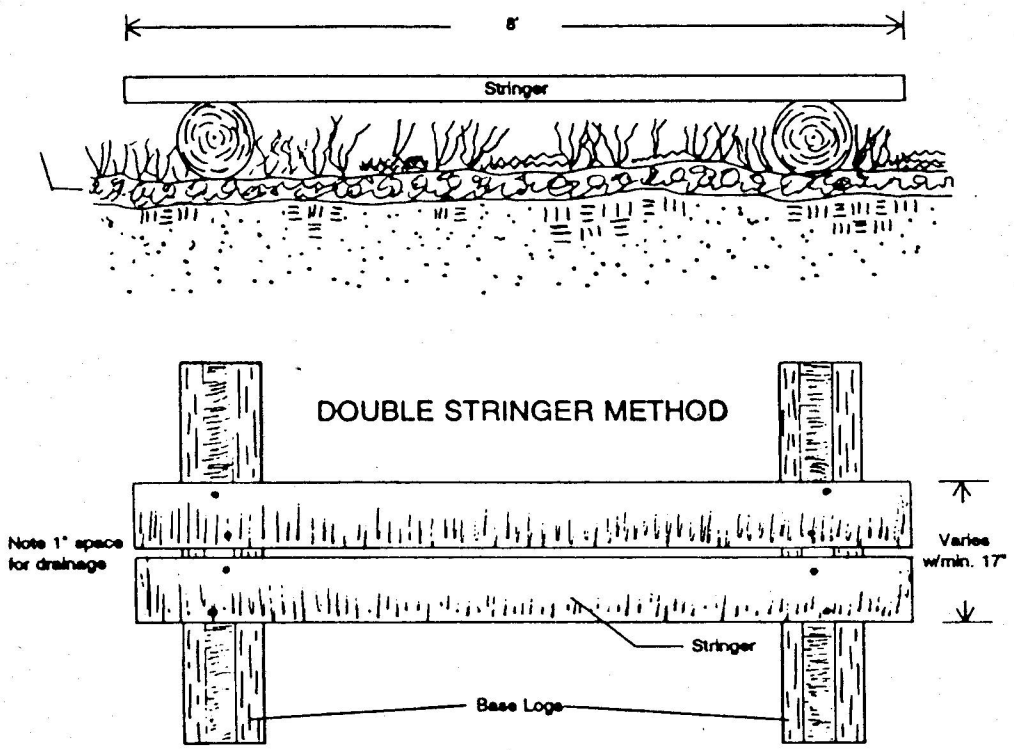


NOTES:

1. Cedar or pressure treated Southern Yellow Pine shall be used for structural members, decking and handrails with galvanized metal hardware. Replacement structural members, decking and handrails shall match existing materials and dimensions.
2. Deck width is 5 feet with handrails on both sides. Extend decking to meet existing grade. No fill shall be used without prior written approval from Landscape Architect.
3. Erosion control measures shall be used during construction of all stream bridges following the *Vermont Handbook for Soil Erosion and Sediment Control of Construction Sites.*

Typical Stream Bridge and Bog Bridge Details
Charlotte Park and Wildlife Refuge



NOTES - BOG BRIDGES

1. If native materials are to be used only sound tamarack or cedar should be used because of its rot resistance.
2. All materials must be pealed (debarked) to minimize insect damage.
3. Base logs must be a minimum of 10" in diameter (small end) and 4' to 5' in length. Base logs used on wider bridges must be wider as well. Base logs must be installed with a minimum of ground disturbance.
4. Stringers may be milled to a thickness of 3" and a length of 8 feet. Stringers must be 12" or greater in width for single stringer bog bridges and 8" or greater in width for double stringer bog bridges. An alternative method would be the use of round stringers which are topped (minimum diameter of 8") or cut in half lengthwise (minimum diameter of 14"). The base logs would then be saddle-notched to accept the stringers.
5. The 3" thick stringers must be fastened to base logs using 6" spikes. Larger stringers, if used, must be fastened with spikes which are 4" longer than the thickness of the stringer.
6. All bridge construction debris must be cleaned up upon completion of bog bridge installation.
7. Leave 3" space between bridges.

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