



Pine Mountain Backcountry Ladder Bridge Construction 4 August 2011



Purpose

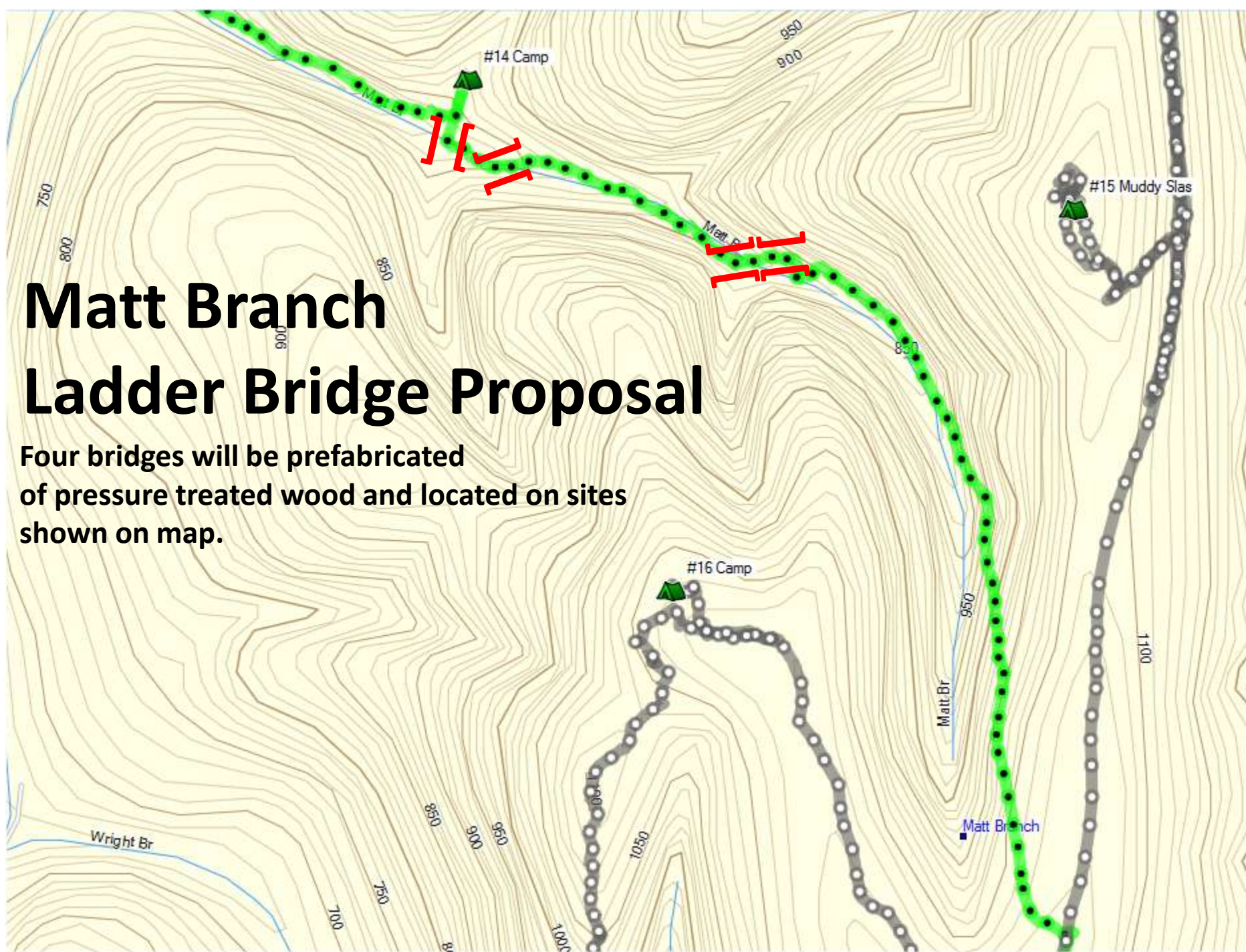
To coordinate construction of ladder bridges by the T.R.A.I.L. Boss volunteers and the Ini-To Lodge PMBC Committee with the Flint River Council Property Committee.

Background

Matt Branch Creek crosses the Matt Branch Loop Trail several times, and there are two crosses made of Double Branch Creek by the Deer Run Trail. Several swampy sections also make hiking and biking difficult. Existing timber & log bridges are now unsafe and must be replaced. Ladder bridges are now the standard used by the NPS, USFS and IMBA for single track trails.

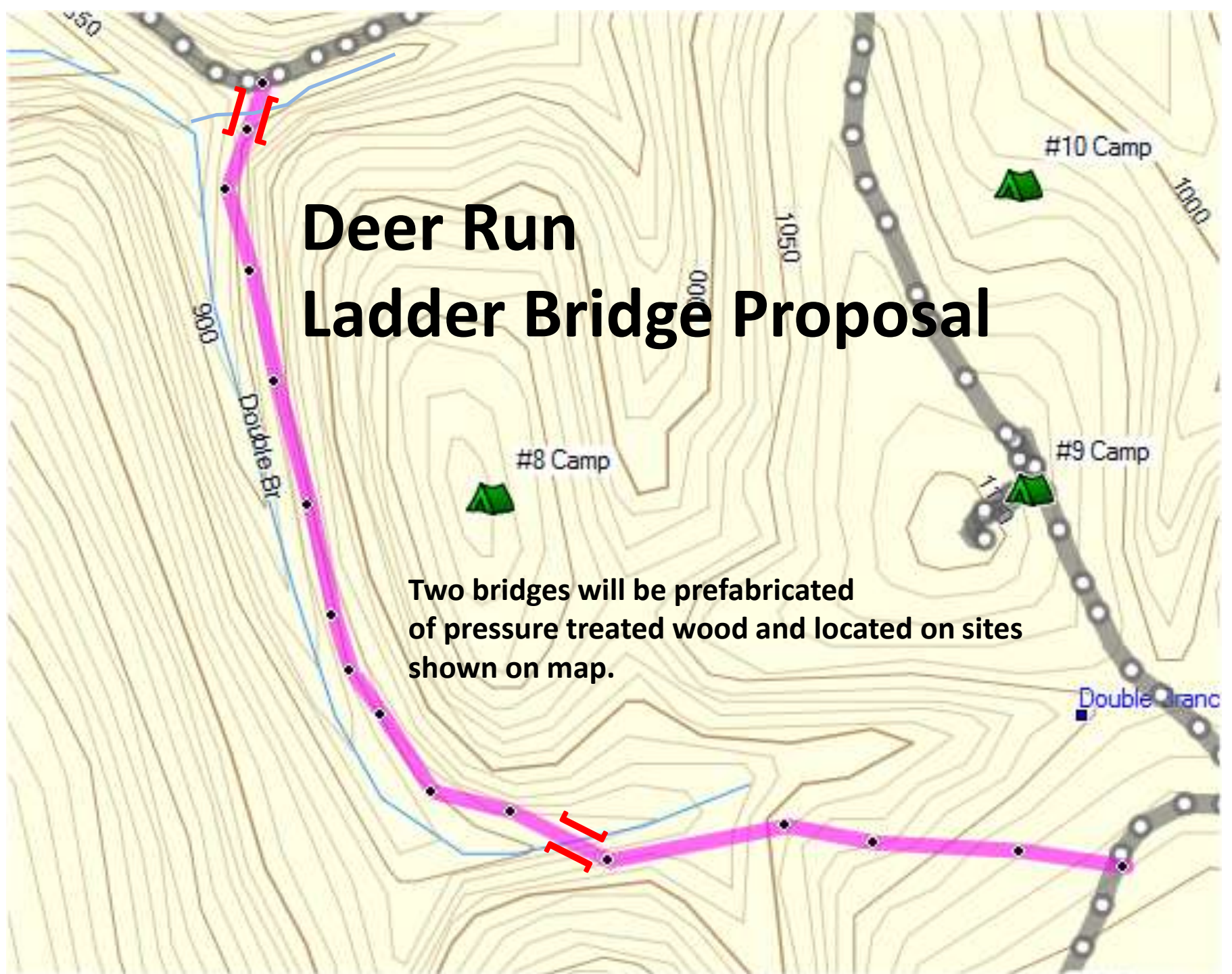
Matt Branch Ladder Bridge Proposal

Four bridges will be prefabricated of pressure treated wood and located on sites shown on map.



Deer Run Ladder Bridge Proposal

Two bridges will be prefabricated of pressure treated wood and located on sites shown on map.



General Construction Features



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DWG SIZE:
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All timber pressure treated

Deck 2"x6"x24"
Spacing 2"

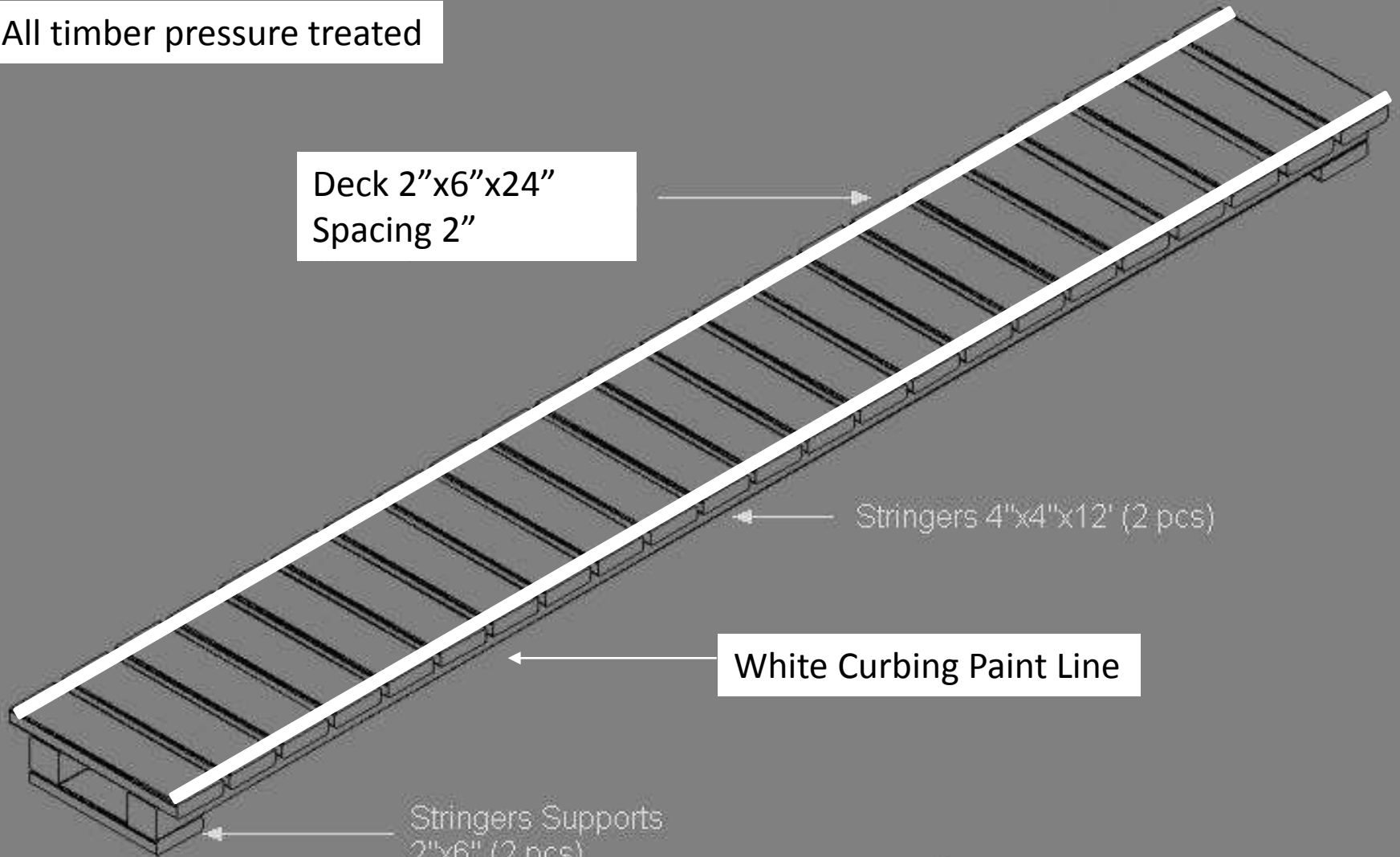
Stringers 4"x4"x12' (2 pcs)

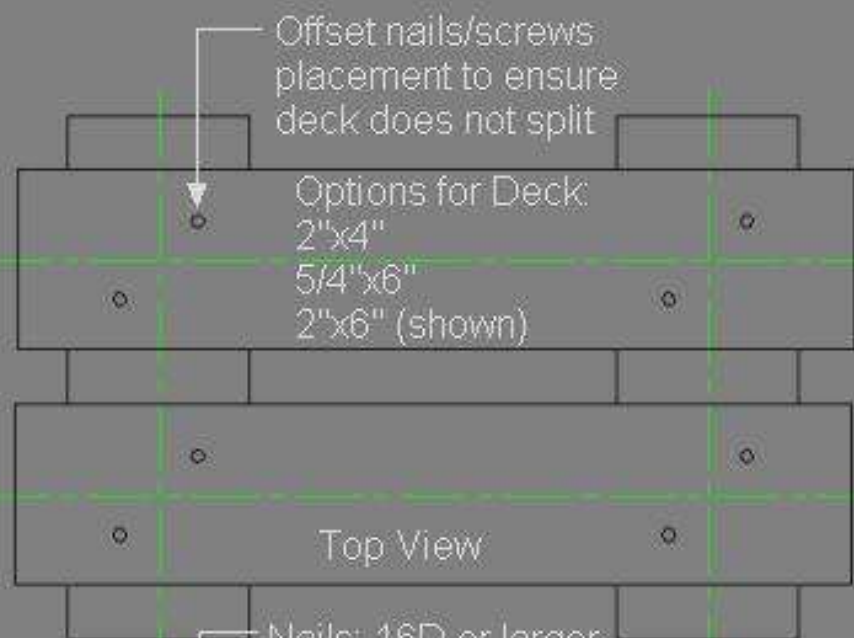
White Curbing Paint Line

Stringers Supports
2"x6" (2 pcs)

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BRIDGE SECTION



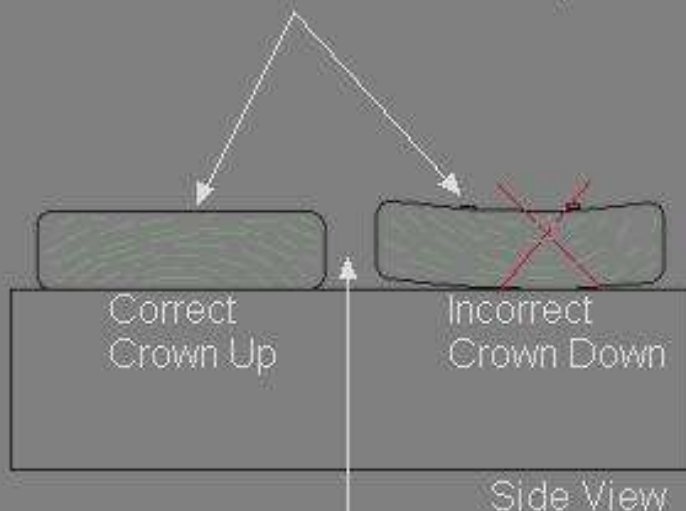


Options for Stringers
4"x4" (shown)
2"x4" Triple Pcs (Lagged)

Ensure nail/screw head are counter-sunk below top of deck

Deck overhang should not exceed 6"

Ensure crown of deck is secured face up to reduce the effect of the wood curling causing the deck to become loose and/or stick up



Deck spacing should not exceed 4"

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BRIDGE X-SECTION