



SPENCER NYITRAY

LEON LEVY TRAIL PROJECT

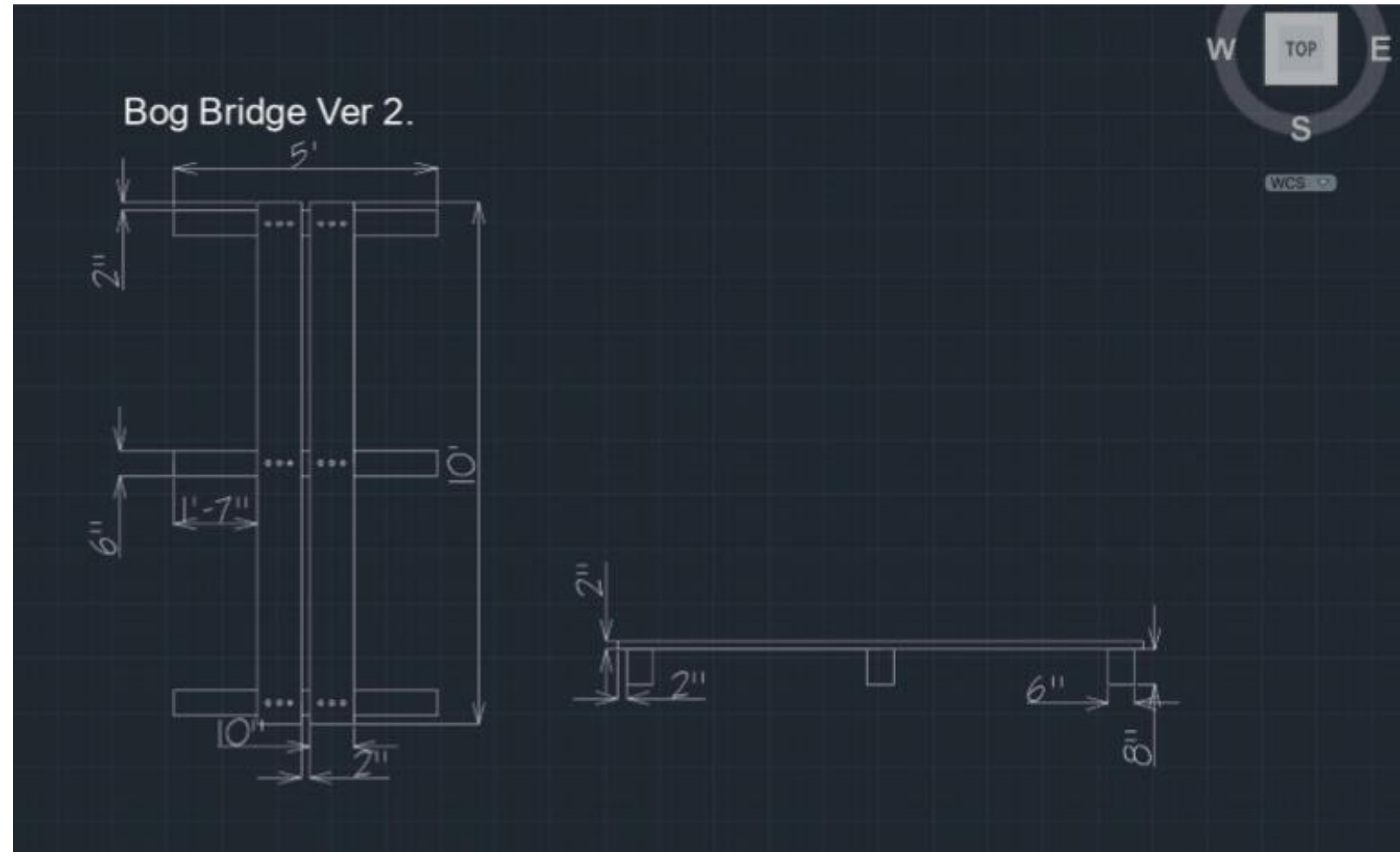


PROJECT OVERVIEW

- I am working with George Scott on the Leon Levy Preserve for my eagle scout project.
- Trail work will be on purple trail extension between trail junction 8 and trail junction 32.
- The area we are working on spans 1,300 feet.
- Project consists of clearing area of bushes, branches, and trees.
- We will be constructing 6 bog bridges and 2 swale/gulley bridges.
- This project will require a wetlands inspector approval.
- Total length of bog bridges is 250ft, with the longest bog bridge being 54ft.
- Both Swale/Gulley bridges are 12 ft long.

BOG BRIDGES

- The main part of this project consists of constructing sustainable, long lasting bog bridges through wetlands.
- The bog bridges will be constructed with pressure treated wood to last up to 20-25 years.
- Most of the bog bridges are going to be built in 10 or 12 ft sections. To the right is my draft of a 12ft bog bridge.
- The bog bridges will consist of pressure treated 2x10s resting on pressure treated 6x8s, held together by 3.5" decking screws



Bog Bridge Ver 2.



TRAIL CLEARING

- Most of the trail clearing involves Japanese Barberry, an invasive species that is very common at Leon Levy.
- Pick Mattocks can be used to pull the Barberry out by the roots when trail clearing, loppers will be used to trim the stems.
- Adults and official trail volunteers would use powered brush cutters and chainsaws for clearing.
- The trail reroute will include going through a small section of stone wall to bypass a large wet area
- A lot of the work will be done with Leon Levy trail volunteers on Tuesdays, and work with scouts on Saturdays.



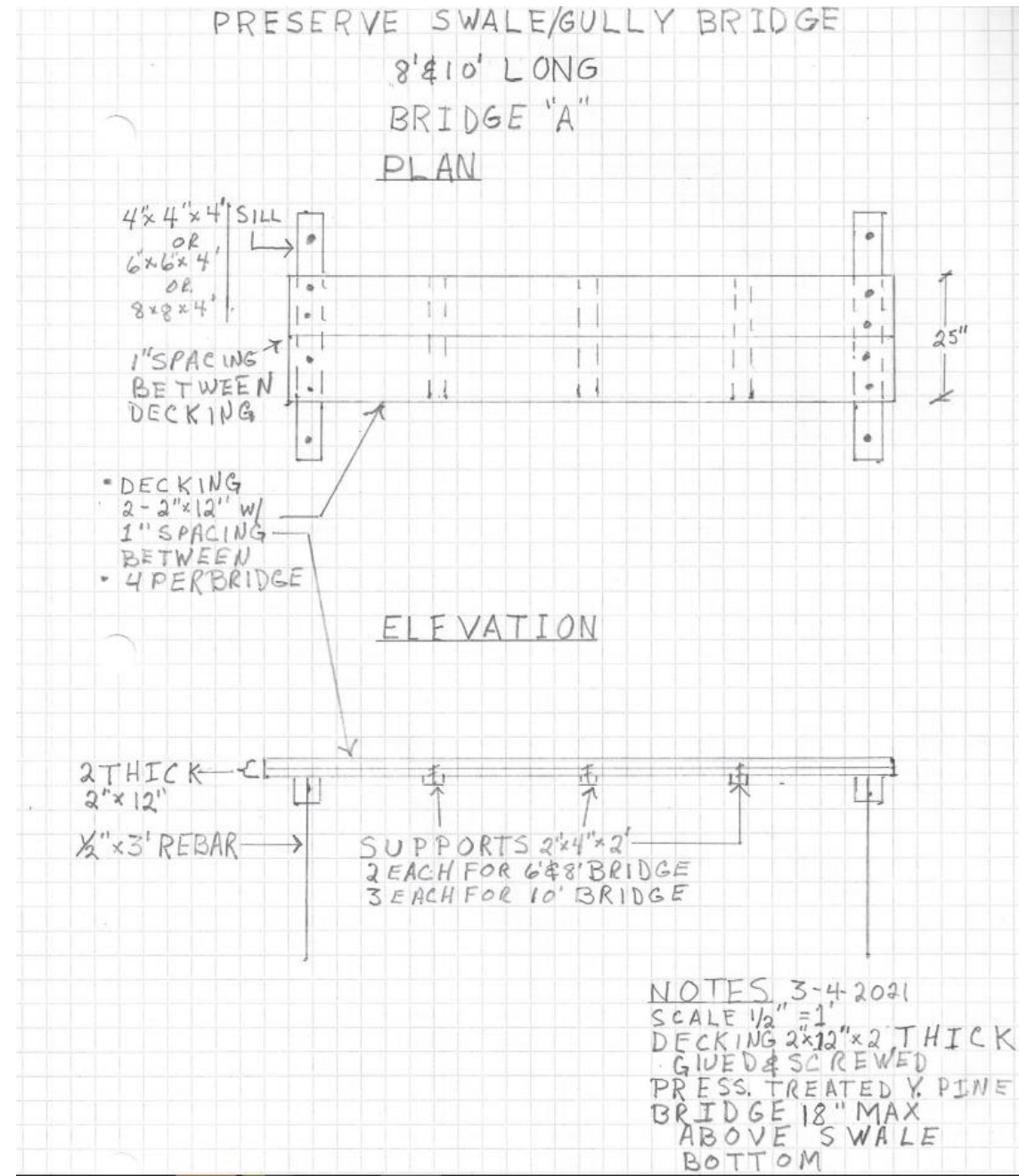
LOGISTICS

- We have permission to park on Lake Kitchawan Drive near the trail entrance so there is a much shorter and flatter route to the site where we will work.
- Multiple scouts will use ropes and carry the lumber standing in a line, similar to how the trails in the back of the high school were constructed.
- OSPAC is willing to provide us with one of the rope devices that we will use to transport the lumber.
- Quote for the materials is approximately \$4,000 including the pressure treated wood.



SWALE/GULLEY BRIDGES

- Swale/Gulley bridges are just like bog bridges, which are held into the ground using rebar.
- For added strength, the 2x12s are going to be placed on top of each other, making the foot path 4 inches thick.
- Shown is the town-approved bridge design.

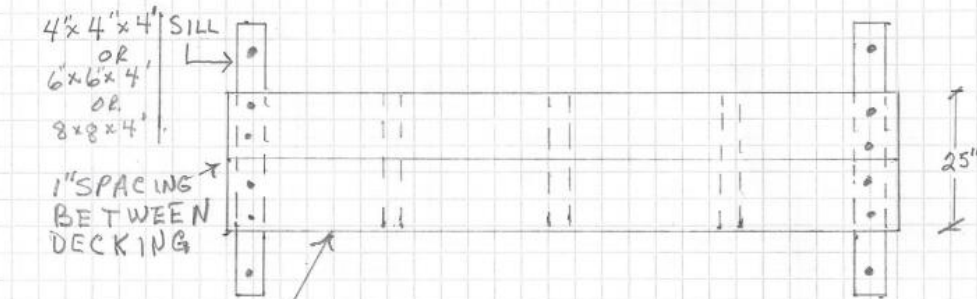


PRESERVE SWALE/GULLY BRIDGE

8'±10' LONG

BRIDGE "A"

PLAN



- DECKING
2- 2" x 12" w/
1" SPACING
• 4 PER BRIDGE

ELEVATION



NOTES 3-4-2021

SCALE 1/2" = 1'

DECKING 2" x 12" x 2" THICK

GIVEN & SCREWED

PRESS. TREATED Y. PINE

BRIDGE 18" MAX

ABOVE SWALE

BOTTOM

