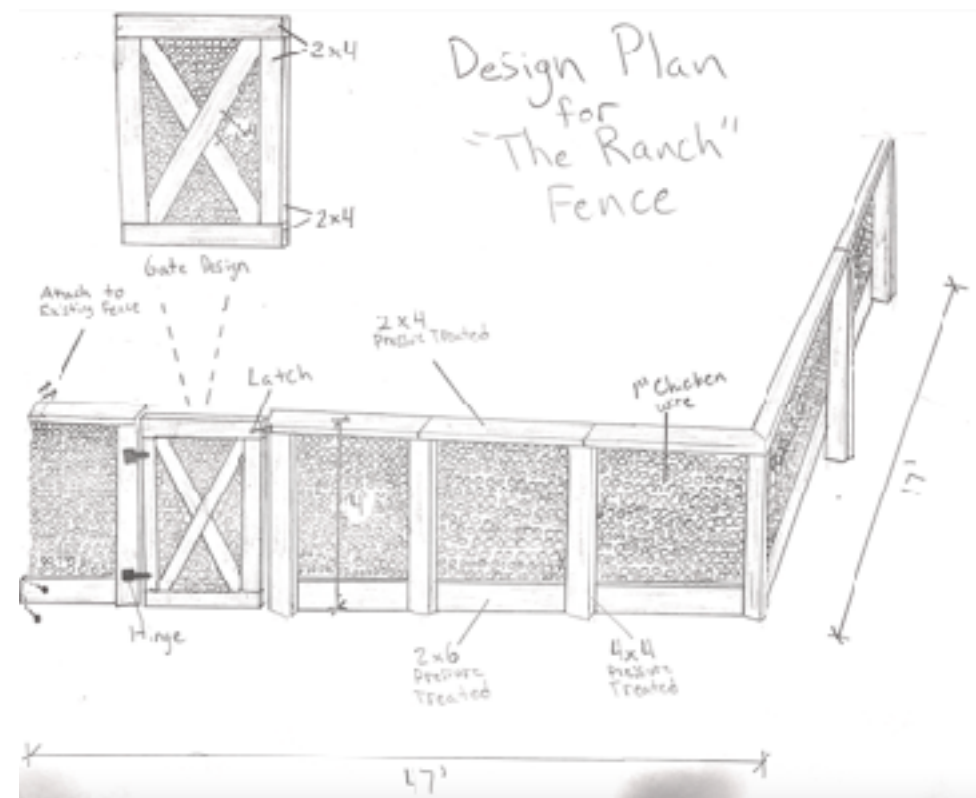


# Garden Improvements for The Ranch

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The Ranch spans over ten-and-a-half acres and provides employment opportunities for individuals with disabilities. The core focus of The Ranch is cultivating small crops and raising livestock, which are tended to and harvested by individuals with disabilities. The ultimate aim is to provide them with hands-on experience of working on a farm and how to take care of livestock and grow food. However, the existing property of The Ranch was not exactly what they wanted for their students' learning environment. The existing area where the crops were being grown was not fenced in so critters were getting into the garden and eating the fruits and vegetables. Hence, it became necessary to make some improvements on the premises to enhance the productivity of the farm-like property. When talking to the owner it was clear a fence was the top priority for what needs to be done at The Ranch. The design of the fence ended up being a 4 ft high by 64 ft long fence made out of pressure treated wood and chicken wire with an accessible gate. The construction of the fence was all done by one person as well as the design drawings, estimate and schedule.

| "The Ranch" Senior Project |          |      |            |               |
|----------------------------|----------|------|------------|---------------|
| Material                   | Quantity | Unit | Unit Price | Cost          |
| 8' Pressure Treated 2x4    | 9        | EA   | 6.18       | 55.62         |
| 8' Pressure Treated 4x4    | 10       | EA   | 18.48      | 184.8         |
| 8' Pressure Treated 2x6    | 7        | EA   | 9.28       | 64.96         |
| 4' Pressure Treated 2x4    | 3        | EA   | 4.98       | 14.94         |
| 4' Pressure Treated 2x6    | 1        | EA   | 7.58       | 7.58          |
| 1" Chicken Wire            | 2        | EA   | 49.91      | 99.82         |
| Ready Mix Concrete         | 3        | EA   | 4.23       | 12.69         |
| Gate Hinge                 | 2        | EA   | 7.71       | 15.42         |
| Gate Latch                 | 1        | EA   | 5.8        | 5.8           |
| Box of Screws              | 1        | EA   | 11.47      | 11.47         |
| Post Digger                | 1        | EA   | 39.98      | 39.98         |
| Shovel                     | 1        | EA   | 37.98      | 37.98         |
| Staple Gun                 | 1        | EA   | 19.98      | 19.98         |
| Staples                    | 1        | EA   | 12.97      | 12.97         |
| 50' String                 | 1        | EA   | 6.03       | 6.03          |
| <b>Total</b>               |          |      |            | <b>590.04</b> |



**Key Words:** Fencing, Post Digging, Owner Relations, Lessons Learned

