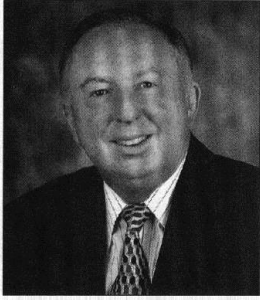


Eagle Scout Leadership Service Project Workbook

BOY SCOUTS



OF AMERICA



BOY SCOUTS OF AMERICA

National Office
1325 West Walnut Hill Lane
P.O. Box 152079, Irving, Texas 75015-2079
972-580-2000

Message from the Chief Scout Executive

Congratulations, Life Scout.

In attaining the rank of Life Scout, you have had the opportunity to learn and master many skills. You've hiked and camped in good and not-so-good weather, You've learned to take care of yourself and others in the out-of-doors, as well as in your home community.

Before you now is the opportunity to master yet another set of skills. These skills are encompassed in the requirements for the rank of Eagle Scout. One of these requirements is your demonstration of leadership skills. You do so by planning and carrying out an Eagle Scout Leadership Service Project.

This Eagle Scout Leadership Service Project Workbook will help you meet this requirement. You will use this workbook to plan, receive the necessary approvals, carry out, and then report on the completion of your project.

After completing your project and all the other requirements for the rank of Eagle Scout, complete the following steps:

1. Review the enclosed Eagle Scout Rank Application. Note that you will need to list references of people who will speak on your behalf. You will also need to prepare a statement about yourself.
2. Fill out the enclosed Eagle Scout Rank Application. Ask your unit leader and/or unit advancement committee person to assist you.
3. Secure the signatures of your unit leader and unit committee chairman. Their signatures indicate approval and recommendation by your unit.
4. Submit your Eagle Scout Rank Application and the statement about yourself with your Leadership Service Project Workbook to your local council service center.

The contents of your application will be certified and the references you have listed will be contacted. After certification and reference verification, you will be contacted by the Eagle Scout board of review chairman, who will set your board of review date.

Eagle Scouts are recognized as a group of men who are outstanding in all that Scouting represents. I encourage you to become a member of this elite group.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jere B. Ratcliff".

Jere B. Ratcliff
Chief Scout Executive

**Eagle Scout
Leadership Service
Project Workbook**



Zachary William McIlvoy

Scout's name
2107 Sunnyside
Address
210-314-8632
Telephone No.

Troop 360

Unit No.
Diamondback
District
Alamo Area
Local council

Robert (Bob) Skogman, Scoutmaster

Unit leader's name
3727 Green Breeze, San Antonio, TX
Address
210-490-1263
Telephone No.

Maria Durkee

Unit advancement committee person's name
19727 Encino Glenn Street, San Antonio, TX 78259
Address
210-239-6470

Telephone No.

Your Eagle Scout Leadership Service Project

How to Start

You have earned the Life Scout rank and are ready to begin your Eagle Scout leadership service project. This workbook will help you plan and record your progress and complete and submit a final report.

The Requirement

As stated in the *Boy Scout Handbook*: While a Life Scout, plan, develop, and give leadership to others in a service project helpful to your religious institution, school, or your community. (The project should benefit an organization other than the BSA. The project idea must be approved by the organization benefiting from the effort, your unit leader (Scoutmaster, Varsity Scout Coach, Venturing crew Advisor), unit committee, and by the council or district advancement committee before you start. You must use this Eagle Scout Leadership Service Project Workbook, No. 18-927A, (this booklet) in meeting this requirement.

Originality

Does the leadership service project for Eagle have to be original, perhaps something you dream up that has never been done before? The answer: No, but it certainly could be. You may pick a project that has been done before, but you must accept responsibility for planning, directing, and following through to its successful completion.

Limitations

Routine labor (a job or service normally rendered) should not be considered. Work involving council property or other BSA activity is not permitted. The project also may not be performed for a business or an individual, be of a commercial nature, or be a fund-raiser. (Fund-raising is permitted only for securing materials or supplies needed to carry out your project.)

Size

How big a project is required? There are no specific requirements, as long as the project is helpful to a religious institution, school, or community. The amount of time spent by you in planning your project and the actual working time spent in carrying out the project should be as much as is necessary for you to demonstrate your leadership of others.

Examples

A look at some projects other Scouts have done for their Eagle Scout Award illustrates that your project can be to construct something or can be to render a service. Scouts have

- Made trays to fasten to wheelchairs for veterans with disabilities at a Veterans Administration hospital.
- Collected used books and distributed them to people in the community who wanted and needed, but could not afford, books.
- Built a sturdy footbridge across a brook to make a safe shortcut for children between their homes and school.
- Collected and repaired used toys and gave them to a home for children with disabilities.
- Organized and operated a bicycle safety campaign. This involved a written safety test, equipment safety check, and a skills contest in a bike rodeo.
- Surveyed the remains of an old Spanish mission and prepared an accurate map relating it to the present church.
- Built a "tot lot" in a big city neighborhood and set up a schedule for Boy Scouts to help run it.
- Set up a community study center for children who needed a place to do schoolwork.
- Trained fellow students as audiovisual aides for their school. Arranged for more than 200 hours of audiovisual work.
- Prepared plans for a footbridge on a trail in a national forest. Worked with rangers to learn the skills necessary to build the structure, gathered materials and tools, and then directed a Scout work group to do the construction.

Approvals

Before You Start

Your project idea must be approved by your unit leader, unit committee, and council or district advancement committee before the project is started. The following questions must be answered before giving this approval:

- Who will benefit from the project?
- How will they benefit?
- What official from the group benefiting from the project will be contacted for guidance in planning the project?
- How many people will be recruited to help carry out the project?

After Completion

Although your project was approved by your unit leader, unit committee, and council or district advancement committee before it was begun, the Eagle Scout board of review must approve the manner in which it was carried out. The following must be answered:

- In what ways did you demonstrate leadership of others?
- Give examples of how you directed the project rather than doing the work yourself.
- In what way did the religious institution, school, or community group benefit from the project?
- Did the project follow the plan?
- If changes to the plan were made, explain why the changes were necessary.

Filling Out the Form

As you plan and carry out your leadership service project, use this workbook to record your plans and progress. Remember that others will be reading these pages. You should print, type, or write legibly using black or blue ink. Complete the form on a computer if you have access to an electronic version. You may add as many pages as needed to thoroughly complete the workbook.

National Eagle Scout Association

The National Eagle Scout Association was created in 1972 with the express purpose of bringing together Eagle Scouts of all ages so that they may be of greater service to themselves, their local councils, and their communities, thereby conserving and developing the human resources potential represented by those who hold Scouting's highest rank.

When you receive your Eagle badge, you will be eligible for membership in this elite association. You should give it serious consideration. Applications are available from your local council service center.

PROJECT DESCRIPTION

Describe the project you plan to do.

Although not necessarily in disrepair, the pool/community area shared by the Village on the Glen and Cactus Bluff subdivisions gets a lot of use, and could therefore use some improvements. After talking with a representative from the board of directors, I was informed that they would appreciate anything, but that one issue was the muddy water that always flowed across the basketball and tennis courts during rain. I went to inspect the area, and proposed that in addition to fixing the erosion problem, some benches would be greatly appreciated, as there are currently none under the awning. This is when I was informed that due to a change in companies picking up the trash, the HOA would love a lattice-work area to hide the trashcans that must remain easily accessible. Therefore I will be building four benches, powerwashing the courts and pouring gravel around the perimeter, constructing a lattice-enclosed area to hide two trashcans, and clearing out brush from the central forested area to increase general appeal.

For the benches, I will be building four benches of my own design, two to go under the awning and two to go next to the courts. They will be bolted to the concrete floor that is already present, and stained with a weather proof, wood colored stain.

With the tennis and basketball courts, I will be powerwashing both of the courts and then pouring gravel around the perimeter to prevent further erosion and mud flow.

The lattice-work will be specifically designed around the size of the two trashcans, allowing them to remain hidden and fit in behind a tree. It will have a gate for easy access as required.

Finally, the forested area that is located in the center of this community area will be

cleared out to increase visibility and aesthetic appeal.

What group will benefit from the project?

| | | | |
|---|---------------------|-----------|--------------|
| <u>Big Springs Homeowners Association/Community</u> | <u>210.416.4774</u> | | |
| Name of religious institution, school, or community | Telephone No. | | |
| <u>21030 Cactus Loop</u> | <u>San Antonio</u> | <u>TX</u> | <u>78258</u> |
| Street address | City | State | Zip code |

1/17/2011

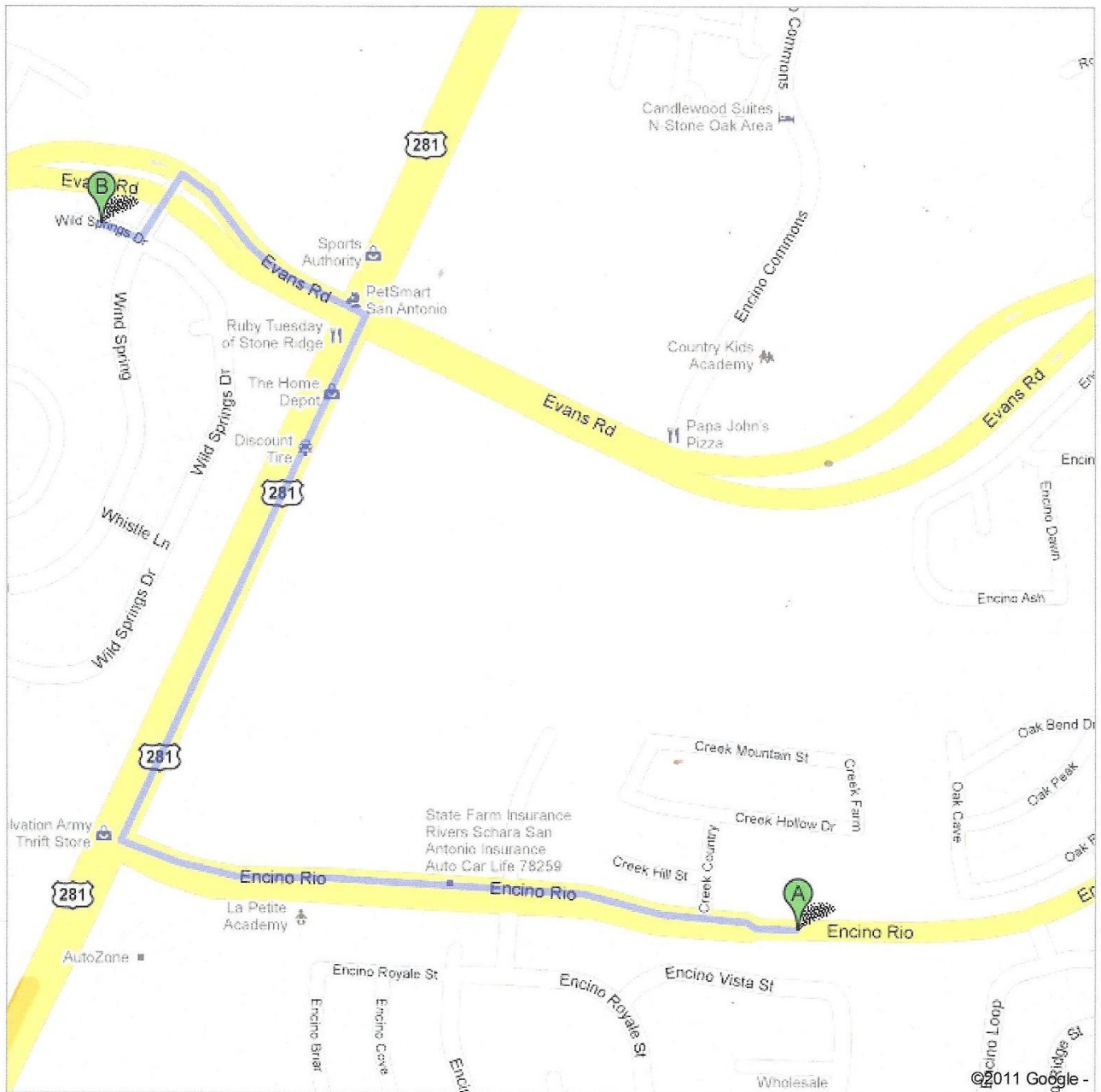


1923 Encino Rio, San Antonio, TX 78259 ...

Directions to Wild Springs Dr

1.3 mi – about 5 mins

At gate, dial #034 to call my house







1/17/2011

1923 Encino Rio, San Antonio, TX 78259 ...



1923 Encino Rio, San Antonio, TX 78259

-
1. Head **west** on **Encino Rio** toward **Creek Country**
About 1 min go 0.6 mi
total 0.6 mi
 -  2. Turn **right** at **US-281 N**
About 1 min go 0.5 mi
total 1.1 mi
 -  3. Take the 1st left onto **Evans Rd**
About 1 min go 0.2 mi
total 1.2 mi
 -  4. Turn **left** at **Wind Spring**
Partial restricted usage road
About 1 min go 341 ft
total 1.3 mi
 -  5. Take the 1st right onto **Wild Springs Dr**
Restricted usage road
Destination will be to your left go 190 ft
total 1.3 mi



Wild Springs Dr

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2011 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

My project will be of benefit to the group because:

My project will be of benefit the Big Springs Homeowners Association and surrounding community by increasing the beauty and usability of the public area. This will save the HOA money on labor cost, and provide them improvements that they may not have been high on their priority list. The community will then be more likely to take advantage of this wonderful location both because it looks nicer, and because hopefully they have assisted in this improvement.

To this end, I will be adding four benches, a trashcan hider, and cleaning up the area via cleaning the tennis and basketball court and clearing out brush. The benches will go under the patio next to the pool and next to the courts. The trashcan hider is to allow the trashcans to remain accessible so the garbage company will pick it up, yet keep them out of sight.

This concept was discussed with my unit leader on 7/20/10
Date

The project concept was discussed with the following representative of the group that will benefit from the project.

| | | |
|--|---------------------------|-----------------------------------|
| <u>Viki Melton</u> Representative's name | <u><i>Viki Melton</i></u> | <u>1/17/11</u> Date of meeting |
| <u>HOA-President</u> Representative's title | | <u>210.416.4774</u> Phone No. |

PROJECT DETAILS

Plan your work by describing the present condition, the method, materials to be used, project helpers, and a time schedule for carrying out the project. Describe any safety hazards you might face, and explain how you will ensure the safety of those carrying out the project.

If appropriate, include photographs of the area before you begin your project. Providing before-and-after photographs of your project area can give a clear example of your effort.

Present Condition

As it is now, there is a great community area that is shared by two subdivisions. It is used by hundreds of people, and has been worn down. While still nice, it needs some help. The patio in front of the pool is dirty from constant use, and while it is the only covered section in the area, it does not have benches or anything really underneath. One of the things it does have, however, is two large trashcans. They must remain out in order for the trash to get picked up, but they are quite an eyesore.

Moving towards the tennis court, there is a wooded area that separates the pool and courts. While not ugly, the low-growing brush makes it a lot less appealing than it could be, as well as decreasing visibility through the area. The tennis and basketball court are in decent condition, but are used quite often. They are dirty, and there is no good place to sit outside the court and watch. Part of the reason that the courts get so dirty is because when it rains, the dirt flows right on to the court, with no gravel or any sort of barrier.

Safety

Emergency

Hospital: North Central Baptist Hospital 520 Madison Oak Drive, San Antonio, TX 78258

In case of a major accident, I will call 911. For minor emergencies, there will be two adults assigned at the beginning of each work day as designated emergency personnel. They will be given the responsibility to drive to the hospital in the case of a minor accident. Multiple first aid kits will be available to all volunteers in the different work areas, placed in visible, publicized locations.

Two Deep Leadership: Two adults will be present each day to remain in compliance with BSA regulations. One adult with adequate prior training will be the designated First Aid authority.

Phone/Contact: I will always carry a cell phone, fully charged on site for emergency contact. In addition, one adult will be designated as a contact number as well, via their cell phone. The address will be included in requests for help as well so that each a location is known in case of emergency. All of this information will be posted in a central location to be given out to emergency personnel if needed.

Briefings: I will give a safety briefing each work day, specific to the kind of work to be done at the time. Each area/part of the project may have additional safety information or requirements. I will ensure that all adhere to the rules by personally checking up on the locations, as well as trusting the older scouts and adults to help set an example for others. Tasks will be assigned to appropriate age levels, with older volunteers being responsible for younger ones. All tools will be demonstrated for

each day.

Weather: If the weather is hot, I will ensure that everyone takes adequate breaks from the heat. In case of unpredicted weather such as rain, thunderstorms, etc, all equipment will be moved under the porch or upstairs into the clubhouse. If there is thunder, no electrical equipment will be used, and workers will be sent home if the weather permits. In case of extreme weather, we can wait it out in the clubhouse. In the event of just rain, benches can continue to be worked on under the awning. Some volunteers may need to be sent home, or we can wait in the clubhouse to see if the weather clears. Weather forecasts from my phone will be used to help determine the next course of action.

Bathrooms: There are bathrooms available at the pool facility for everyone to use. In the event of them being closed or unusable, bathrooms will be available at 2107 Sunnyside, San Antonio, TC 78258. This is my house and is within five minutes walking distance.

Food/Water: Food will be provided for full work days that would include lunch. Miscellaneous snacks to be provided during certain breaks. Water will always be available at each area in large water coolers. More water is available from the clubhouse, and a car will be designated to return to my house in the event that we cannot use that or we need more ice.

Age: Saws and other large, heavy equipment will require the volunteer to be at least 14 years old. Smaller power tools such as drills will require an age of 12. Specific exceptions may/have to be made based on size, weight, strength and maturity of a particular person.

Miscellaneous: Each volunteer will be asked to bring goggles, hats, work gloves, sunscreen, closed toe shoes, and a water bottle. Each will be asked to bring what they can, with some people asked to

share. One scout will be designated along with the adult to be a first aid leader.

1/17/2011



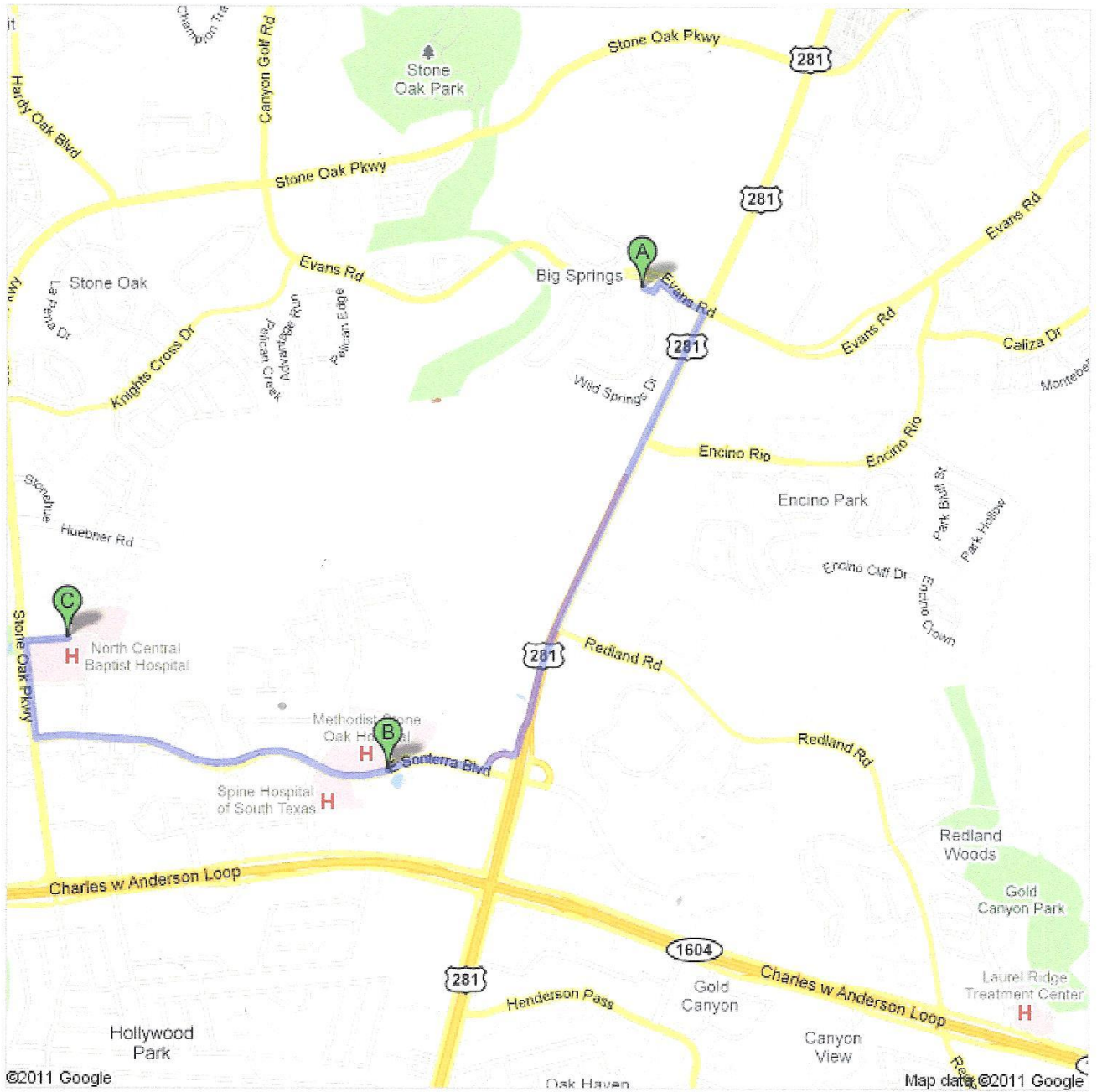
Wild Springs Dr to North Central Baptist...

Directions to North Central Baptist Hospital

520 Madison Oak Drive, San Antonio, TX 78258 - (210) 297-4000

4.0 mi – about 8 mins







Save trees. Go green!
Download Google Maps on your phone at google.com/gmm




1/17/2011

Wild Springs Dr to North Central Baptist...



 Wild Springs Dr

-
- | | | |
|---|---|--------------|
| | 1. Head east on Wild Springs Dr toward Wind Spring | go 184 ft |
| | <i>Restricted usage road</i> | total 184 ft |
|  | 2. Take the 1st left onto Wind Spring | go 213 ft |
| | <i>Restricted usage road</i> | total 397 ft |
|  | 3. Take the 1st right onto Evans Rd | go 0.2 mi |
| | About 1 min | total 0.3 mi |
|  | 4. Take the 1st right onto US-281 S | go 1.5 mi |
| | About 2 mins | total 1.7 mi |
|  | 5. Take the exit toward TX-1604 Loop/Anderson Loop | go 0.1 mi |
| | | total 1.9 mi |
|  | 6. Keep right at the fork to continue toward E Sonterra Blvd | go 0.1 mi |
| | | total 2.0 mi |
|  | 7. Turn right at E Sonterra Blvd | go 0.3 mi |
| | <i>Destination will be on the right</i> | total 2.3 mi |

Total: **2.3 mi** – about **4 mins**

 1139 E Sonterra Blvd, San Antonio, TX 78258

total 0.0 mi

-
- | | | |
|---|--|--------------|
| | 8. Head west on E Sonterra Blvd toward Hardy Oak Blvd | go 1.2 mi |
| | About 2 mins | total 1.2 mi |
|  | 9. Turn right at Stone Oak Pkwy | go 0.3 mi |
| | About 1 min | total 1.5 mi |
|  | 10. Take the 2nd right onto Madison Oak Dr | go 0.1 mi |
| | | total 1.7 mi |

Total: **1.7 mi** – about **4 mins**

 **North Central Baptist Hospital**
520 Madison Oak Drive, San Antonio, TX 78258 - (210) 297-4000

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2011 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

Overview of Days

Day One

Day one will consist of only setting up workstations and sawing boards to the correct size. For day one I will require 10 people for an afternoon.

Day Two

The focus of day two will be staining all of the wood, then power washing the courts, clearing brush, and prepping the trashcan hider area. I will require 20 people for a full day. There will be assigned shifts to switch out people and jobs.

Day Three

Day three will consist of assembling the benches, the trashcan hider, and finish the job of clearing out brush. Also, gravel will be poured in place around the courts. On day three I will need 20 people for an entire day, again with shifts as necessary.

Day Four

The final day will be the day for bolting the benches in place, putting up the trashcan hider and pavers, and finishing anything that may have been bumped from a previous day. This will require 8-10 people for a long afternoon.

Day Five

Day five is an extra day in case of inclement weather or if the project requires more time than anticipated.

| Description | Quantity | Unit Cost | Total Cost | Source | Borrow | Donate | Subsidized |
|---|---------------------|-----------------|------------------|--------------|--------|--------|------------|
| power washer | 3 | \$90 | \$270 | Home Depot | x | | |
| Ryobi Gas Straight Shaft, 18 In. Cut Width, Brush Cutter, Trimmer | 3 | \$149 | \$447 | Home Depot | x | | |
| Black & Decker 18V Cordless Electric String Trimmer, 12 in. | 3 | \$99 | \$297 | Home Depot | x | | |
| Fiskars Bypass Pruner | 5 | \$13.97 | \$69.85 | Home Depot | x | | |
| Coleman Cable 50 Ft. 13 Amp Orange Extension Cord | 4 | \$7.96 | \$31.84 | Home Depot | x | | x |
| MSA Safety Works Safety Glasses | 25 | \$5.96 | \$149 | Home Depot | x | | x |
| Firm Grip General Purpose Gloves, 3 Pack | 3 | \$9.97 | \$29.91 | Home Depot | x | | x |
| Pizza Hut Big Italy Pizza | 8 | \$12 | \$96 | Pizza Hut | | | |
| gatorade | 24 variety pack | \$45 | \$45 | Costco | | | |
| Coleman 48 Qt. Chest Cooler, Blue | 1 | \$39.96 | \$39.96 | Home Depot | | | x |
| Igloo® Water Cooler with Cup Dispenser | 2 | \$40.99 | \$81.98 | Ace Hardware | | | x |
| 12 ft. Chrome Finish Casing Tape Measure | 5 | \$2.94 | \$14.70 | Home Depot | | | x |
| 4x4x30 | 8 or 240" | | | Home Depot | | | x |
| 2x4x43 | 8 or 344" | | | Home Depot | | | x |
| 4x4x15 | 8 or 120" | | | Home Depot | | | x |
| 2x4x18.935 | 16 or 304" | | | Home Depot | | | x |
| 2x4x20 | 4 or 80" | | | Home Depot | | | x |
| 2x4x18 | 8 or 144" | | | Home Depot | | | x |
| 2x4x67 | 28 or 1876" | | | Home Depot | | | x |
| 4x4x60 | 2 or 120" | | | Home Depot | | | x |
| 2x4x60 | 4 or 240" | | | Home Depot | | | x |
| 1.5x4x46 | 5 or 53" | | | Home Depot | | | x |
| 2x4x26.5 | 2 or 53" | | | Home Depot | | | x |
| 2x4x24.75 | 2 or 49.5" | | | Home Depot | | | x |
| | 4x4= 480" | | 6.97x6= \$41.82 | | | | |
| | 2x4= 3320.5" | | 2.29x36= \$82.44 | | | | |
| | | | \$124.26 | | | | |
| lattice 68.8x48 | 1 | | 24.97 | Home Depot | | | x |
| lattice 33x48 | 1 | | 24.97 | Home Depot | | | x |
| L-bracket | 16 | \$1.16 | 18.56 | Home Depot | | | x |
| wood screws | 5lb | \$28.24/5lb | 56.48 | Home Depot | | | x |
| concrete screws | 16 | \$9.98/25 | 9.98 | Home Depot | | | x |
| Ryobi 10 in. Miter Saw With Laser | 2 | \$119 | 238 | Home Depot | x | | |
| Johnson 8 In. x 12 In. Steel Carpenter Square | 4 | \$3.79 | 51.16 | Home Depot | x | | x |
| DEWALT 3/8 In. Pistol Grip Drill Kit | 4 | \$59 | 236 | Home Depot | x | | |
| Bosch Blue Granite 5/16 in. x 6 in. Carbide Industrial Hammer Drill | 3 | \$5.69 | 17.07 | Home Depot | x | | |
| Ryobi SpeedLoad Plus 17-Piece Titanium Drill Bit Set | 4 | \$19.97 | 79.88 | Home Depot | x | | |
| stain | 3 | \$25/gal | 75 | Home Depot | | x | x |
| Economy 3 in. Flat Utility Brush | 10 | \$3.97 | 39.7 | Home Depot | | | |
| Quikrete 50 Lb. Fast Setting Concrete Mix | 3 | \$4.98 | 14.94 | Home Depot | | | x |
| paving | 4.7/square ft. | \$0.84 | 8.4 | Home Depot | | | x |
| Bronco D-Handle Spade Shovel | 1 | \$14.97 | 14.97 | Home Depot | x | | |
| RIDGID Post Hole Digger Fiberglass Handle | 2 | \$39.97 | 79.94 | Home Depot | x | | |
| MSA Safety Works Pack of 5/ TR Dust Mask | 2 | \$2.46 | 4.92 | Home Depot | x | | x |
| Evergreen 0.5 Cu. Ft. Drainage Rock | 1134square in (189) | unable to price | | Lowes | | | |
| 5/8 in. x 150 ft. Medium-Duty Reel Hose | 5 | \$27.97 | 139.85 | Home Depot | x | x | |
| Ridgid D Grip Handle Transfer Shovel | 3 | \$21.97 | 65.91 | Home Depot | x | | |
| Ames True Temper 12-Tine Welded Bow Rake | 5 | \$5.97 | 29.85 | Home Depot | x | | |
| Vigoro Brass Hose Y with Shut-Off | 3 | \$8.97 | 26.91 | Home Depot | x | | |

By using the military discount that Home Depot offers, I was also able to get slightly cheaper prices on the items not subsidized.

Total Original Cost Estimate = \$3,037.11

Actual Final Cost = \$654.15

Savings = \$2,382.96

Pre-Planning

I will be announcing my project at scout meetings and asking for help by passing out fliers and a sign-up sheet. I will also be sending out an email about it. I will ask for help from the neighborhood by posting the information on the community Facebook page, putting up signs, and talking to people. I will also be asking for donations from the community. My youth group will also be recruited to help as volunteers.

Before the work day/s I will send out a reminder email and call people. I will ensure that I have enough people and tools for that day, and ensure I have access to the community area and pool house.

Day 1

| Description | Quantity | Unit Cost | Total Cost | Source |
|---|-----------------|-----------|------------|--------------|
| Coleman Cable 50 Ft. 13 Amp Orange Extension Cord | 4 | \$7.96 | | Home Depot |
| MSA Safety Works Safety Glasses | 25 | \$5.96 | | Home Depot |
| Firm Grip General Purpose Gloves, 3 Pack | 9 | \$9.97 | | Home Depot |
| Ryobi 10 in. Miter Saw With Laser | 2 | \$119 | | Home Depot |
| Johnson 8 In. x 12 In. Steel Carpenter Square | 4 | \$3.79 | | Home Depot |
| MSA Safety Works Pack of 5/ TR Dust Mask | 2 | \$2.46 | | Home Depot |
| Permanent Markers | | | | |
| | | | | |
| 4x4x30 | 8 | | | |
| 2x4x43 | 8 | | | |
| 4x4x15 | 8 | | | |
| 2x4x18.935 | 16 | | | |
| 2x4x20 | 4 | | | |
| 2x4x18 | 8 | | | |
| 2x4x67 | 28 | | | |
| 4x4x60 | 2 | | | |
| 2x4x60 | 4 | | | |
| 1.5x4x46 | 5 | | | |
| 2x4x26.5 | 2 | | | |
| 2x4x24.75 | 2 | | | |
| lattice 68.8x48 | 1 | \$25 | | |
| lattice 33x48 | 1 | \$25 | | |
| | | | | |
| Pizza Hut Big Italy Pizza | 4 | \$12 | | Pizza Hut |
| gatorade | 24 variety pack | \$45 | | TBD |
| Coleman 48 Qt. Chest Cooler, Blue | 2 | \$39.96 | | Home Depot |
| Igloo® Water Cooler with Cup Dispenser | 4 | \$40.99 | | Ace Hardware |
| 12 ft. Chrome Finish Casing Tape Measure | 5 | \$2.94 | | Home Depot |

Day One

The first day will be all about cutting the lumber to the correct size. I will schedule all older scouts on this day for safety reasons. The day will begin with a safety briefing relating to today's work. Ten people for an afternoon will first set up some 'workstations'. We will run extension cords from the available plugs to allow multiple saws to run at once while remaining a safe distance away from each other. There will be teams of two working each saw, and since there will probably not be enough saws for everyone, the remainder will be moving lumber into sorted piles and sanding the cuts. This will take place outside the pool house, some under the deck, some not, spread out as necessary. All personnel in the area will wear safety glasses and those operating the machines will wear dust masks. A thorough safety briefing will be given, especially to those working the saws. During this time, the area will be closed to the community. See following for step-by-step instructions;

Setting Up Work Areas

1. Plug in extension cords and unwind outward
2. Ensure that the ends of the cords, where the saws will be plugged in, are at least six feet away from any obstructions. This includes another saw, a wall, anything that might get in the way of an eight foot plank
3. Set saws next to the end of the extension cord along with eye protection and dust mask x2
4. Divide lumber into piles based upon dimensions (e.g. 2x4, 2x2 etc)

Measuring the Wood

1. Using a straightedge and square as necessary, measure and mark planks as follows:
2. The side of the line to be discarded should be marked with an X, and the good side should have the dimensions written on it
3. 8 4x4 boards at 30in, using square to ensure 90 degree angle
4. 8 2x4 boards at 43in, again, using square
5. 8 4x4 boards at 15in
6. 16 2x4 boards at 18.935in
7. 4 2x4 boards at 20in
8. 8 2x4 boards at 18in
9. 28 2x4 boards at 67in
10. 2 4x4 boards at 60 in
11. 4 2x4 boards at 60in
12. lattice 68.8in by 48in
13. lattice 33in by 48in
14. 5 1.5x4 to 46in
15. 2 2x4 to 26.5in
16. 2 2x4 to 24.75in
17. After first cut;

18. Take 4 previously cut 2x4x20 boards, cut a 9.61 degree depression off the top
19. Take 8 previously cut 2x4x18 boards, cut a 9.61 degree depression off the top
20. Take 4 previously cut 2x4x60 boards and cut a 36.25 degree depression along entire side
21. Round off edges of all five 1.5x4 to 46in boards (see drawing)
22. Cut a 22.3degree depression off of both ends of both 2x4 to 24.75in planks

Cutting the Wood

1. A team of two will work at each station
2. Each person will put on eye protection and face mask, provided, before doing anything
3. Plug in the saws and turn them on
4. Either the second person in that pair, or one of the additional people will hand the cutter the wood
5. That person will then line up the pre-marked location with the cut line of the saw and make the cut
6. The wood will be handed back to an assistant who will pile the extra in one location and the correct piece in another

Pick-Up

1. Nothing will be left out
2. Saws should be put away in the reverse order of above
3. All wood, saws and extension cords will be brought under the awning or into the clubhouse

Day 2

| Description | Quantity | Unit Cost | Total Cost | Source |
|---|-----------------|-----------|------------|--------------|
| power washer | 4 | \$90 | | Home Depot |
| Ryobi Gas Straight Shaft, 18 In. Cut Width, Brush C | 6 | \$149 | | Home Depot |
| Black & Decker 18V Cordless Electric String Trimmer | 3 | \$99 | | Home Depot |
| Fiskars Bypass Pruner | 5 | \$13.97 | | Home Depot |
| Coleman Cable 50 Ft. 13 Amp Orange Extension Co | 4 | \$7.96 | | Home Depot |
| MSA Safety Works Safety Glasses | 25 | \$5.96 | | Home Depot |
| Firm Grip General Purpose Gloves, 3 Pack | 9 | \$9.97 | | Home Depot |
| Pizza Hut Big Italy Pizza | 4 | \$12 | | Pizza Hut |
| gatorade | 24 variety pack | \$45 | | TBD |
| Coleman 48 Qt. Chest Cooler, Blue | 2 | \$39.96 | | Home Depot |
| Igloo® Water Cooler with Cup Dispenser | 4 | \$40.99 | | Ace Hardware |
| stain | 3 | \$25/gal | | Home Depot |
| Economy 3 in. Flat Utility Brush | 10 | \$3.97 | | Home Depot |
| Bronco D-Handle Spade Shovel | 1 | \$14.97 | | Home Depot |
| RIDGID Post Hole Digger Fiberglass Handle | 2 | \$39.97 | | Home Depot |
| 5/8 in. x 150 ft. Medium-Duty Reel Hose | 5 | \$27.97 | | Home Depot |
| Ridgid D Grip Handle Transfer Shovel | 3 | \$21.97 | | Home Depot |
| Vigoro Brass Hose Y with Shut-Off | 3 | \$8.97 | | Home Depot |
| Painters tarps | | | | |

Day Two

Day two will be mainly about staining the wood, along with beginning to clear out brush, power washing the courts, and prepping the trashcan hider area. The day will begin with a safety briefing relating to today's work. Groups will apply stain in shifts, working on one of the other tasks between coats. A minimum of two coats will be applied. Staining is the first priority above the other tasks. While a coat of stain is drying, volunteers will be spread out between power washing, clearing brush, and prepping the trashcan area. Approximately ten people on brush, five power washing, and five prepping the area for paving/concrete. Day two is acceptable for a younger scout to assist, with the oldest scouts clearing brush with equipment, younger scouts manually moving foliage and helping stain, trashcan area, and some power washing. Step-by-step:

Staining

1. Everyone staining will wear old clothes that are OK to get dirty
2. Lay out painters cloth under the awning
3. Lay planks out on the dropcloth, nothing on top of each other, a few inches apart
4. Read stain directions, if necessary, shake
5. Open can of stain
6. Stir if necessary
7. Place cans of stain around the perimeter of planks
8. Using a brush, apply an even coat to the entire visible surface
9. Allow to dry for a while by participating in other activities
10. Flip the boards over
11. Apply a coat of stain
12. Wait for it to dry
13. Repeat until enough coats are applied (minimum 2)

Power Washing

1. All power washers will have on closed-toe shoes
2. Connect hose to nearest faucet and run it to court
3. Run power cords from nearest outlet
4. Connect power washer
5. Set to low power, and begin washing, using sweeping back and forth motions
6. Move the power up slightly if necessary, ensuring that no damage is done to the surface
7. Multiple people will be power washing at once, starting at one end and moving towards the other
8. Also, in general move outward, pushing the dirt off the court/s

Brush Clearing

1. Clearing brush requires long pants, closed toe shoes, eye protection and gloves

2. Before beginning, each volunteer should ensure they understand how that particular piece of equipment operates
3. Run power cords from nearest outlet if necessary
4. Power on the device
5. Work through the central area police-line style
6. Each should focus on what their device is designed to do such as low brush, thicker branches, weed-wacking
7. This may have to be repeated
8. Younger scouts will be in charge of bagging and removing the loose brush
9. Ensure that people stay a safe distance from each other

Trashcan Hider Area Prep

1. Measure out locations of holes, walls, paving based on plans
2. Mark above locations
3. Use post-hole-digger to dig hole in each of four post locations to correct dimensions (see plans)
4. Dirt should be piled in on location to be removed at the end
5. Dig an inch or so down inside the area where the pavers will go

Day 3

| Description | Quantity | Unit Cost | Total Cost | Source |
|---|---------------------|-----------|------------|--------------|
| Ryobi Gas Straight Shaft, 18 In. Cut Width, Brush Cutter, Trimmer | 6 | \$149 | | Home Depot |
| Black & Decker 18V Cordless Electric String Trimmer, 12 in. | 3 | \$99 | | Home Depot |
| Fiskars Bypass Pruner | 5 | \$13.97 | | Home Depot |
| Coleman Cable 50 Ft. 13 Amp Orange Extension Cord | 4 | \$7.96 | | Home Depot |
| MSA Safety Works Safety Glasses | 25 | \$5.96 | | Home Depot |
| Firm Grip General Purpose Gloves, 3 Pack | 9 | \$9.97 | | Home Depot |
| Pizza Hut Big Italy Pizza | 4 | \$12 | | Pizza Hut |
| gatorade | 24 variety pack | \$45 | | TBD |
| Coleman 48 Qt. Chest Cooler, Blue | 2 | \$39.96 | | Home Depot |
| Igloo® Water Cooler with Cup Dispenser | 4 | \$40.99 | | Ace Hardware |
| wood screws | 2x2=12 | | | |
| DEWALT 3/8 In. Pistol Grip Drill Kit | 4 | \$59 | | Home Depot |
| Ryobi SpeedLoad Plus 17-Piece Titanium Drill Bit Set | 4 | \$19.97 | | Home Depot |
| Evergreen 0.5 Cu. Ft. Drainage Rock | 1134square in (189) | ?????? | | Lowe's |

Day Three

Day three's focus is assembling the benches and trashcan hider, along with finishing clearing any remaining brush from the forested area. The day will begin with a safety briefing relating to today's work. Today, gravel will be poured around the court perimeter. Each bench will require two to three people, and the trashcan hider will require two people to assemble, and three to put in the ground. Day three is open to younger volunteers as well. The benches will have pilot holes drilled, wood screws and bolts put into place. The trashcan hider will be screwed together, and then mounted in place with concrete the next day. Brush clearing will be finished from previous days; cutting out any more growth, and bagging and removing it all. Step-by-step:

Assembling Benches

1. Using the plans provided, benches will be assembled
2. Use all measurements included on the sheet
3. The seat/back slats should be added last
4. Drill pilot holes before using a wood screw
5. Use large bolts for the marked joints
6. Last, the L-brackets should be added to the legs

Trashcan Hider Assembly

1. The trashcan hider will be assembled as shown on the plans
2. The modified 2x4s would be connected first
3. Then the lattice attached to the 2x4s and 4x4s
4. Once the entire thing is assembled, it should be put into the concrete (See Below)

Pouring Gravel

1. Gravel will be either in bags or in a pile
2. Bags will be carried by one to two people to the courts
3. If it is a pile, it will be right next to the courts
4. Gravel will be poured around the perimeter, starting on the innermost circle and moving outwards until all the gravel is gone.

Day 4

| Description | Quantity | Unit Cost | Total Cost | Source |
|---|-----------------|-----------|------------|--------------|
| MSA Safety Works Safety Glasses | 25 | \$5.96 | | Home Depot |
| Firm Grip General Purpose Gloves, 3 Pack | 9 | \$9.97 | | Home Depot |
| gatorade | 24 variety pack | \$45 | | TBD |
| Coleman 48 Qt. Chest Cooler, Blue | 2 | \$39.96 | | Home Depot |
| Igloo® Water Cooler with Cup Dispenser | 4 | \$40.99 | | Ace Hardware |
| 12 ft. Chrome Finish Casing Tape Measure | 5 | \$2.94 | | Home Depot |
| L-bracket | 2x2=11 | \$1.16 | | Home Depot |
| concrete screws | 2x2=13 | | | |
| DEWALT 3/8 In. Pistol Grip Drill Kit | 4 | \$59 | | Home Depot |
| Bosch Blue Granite 5/16 in. x 6 in. Carbide Industrial Hammer Drill Bit | 3 | \$5.69 | | Home Depot |
| Quikrete 50 Lb. Fast Setting Concrete Mix | 3 | \$4.98 | | Home Depot |
| paving | 4.7/square ft. | \$0.84 | | |
| Bronco D-Handle Spade Shovel | 1 | \$14.97 | | Home Depot |
| MSA Safety Works Pack of 5/ TR Dust Mask | 2 | \$2.46 | | Home Depot |

Day Four

The last day will be for mounting benches in place, mounting the trashcan hider and pavers, and finishing anything as yet incomplete. The day will begin with a safety briefing relating to today's work. The pavers should be placed before the lattice. The complete benches will be set into place, the location of holes marked, and holes drilled. Then the benches will be put back, and screwed down. Two of the benches will simply be set near the courts.

Placing Pavers

1. Indentation should already be dug
2. Place pavers in hole, working from the back to the front

Concrete the Trashcan Hider

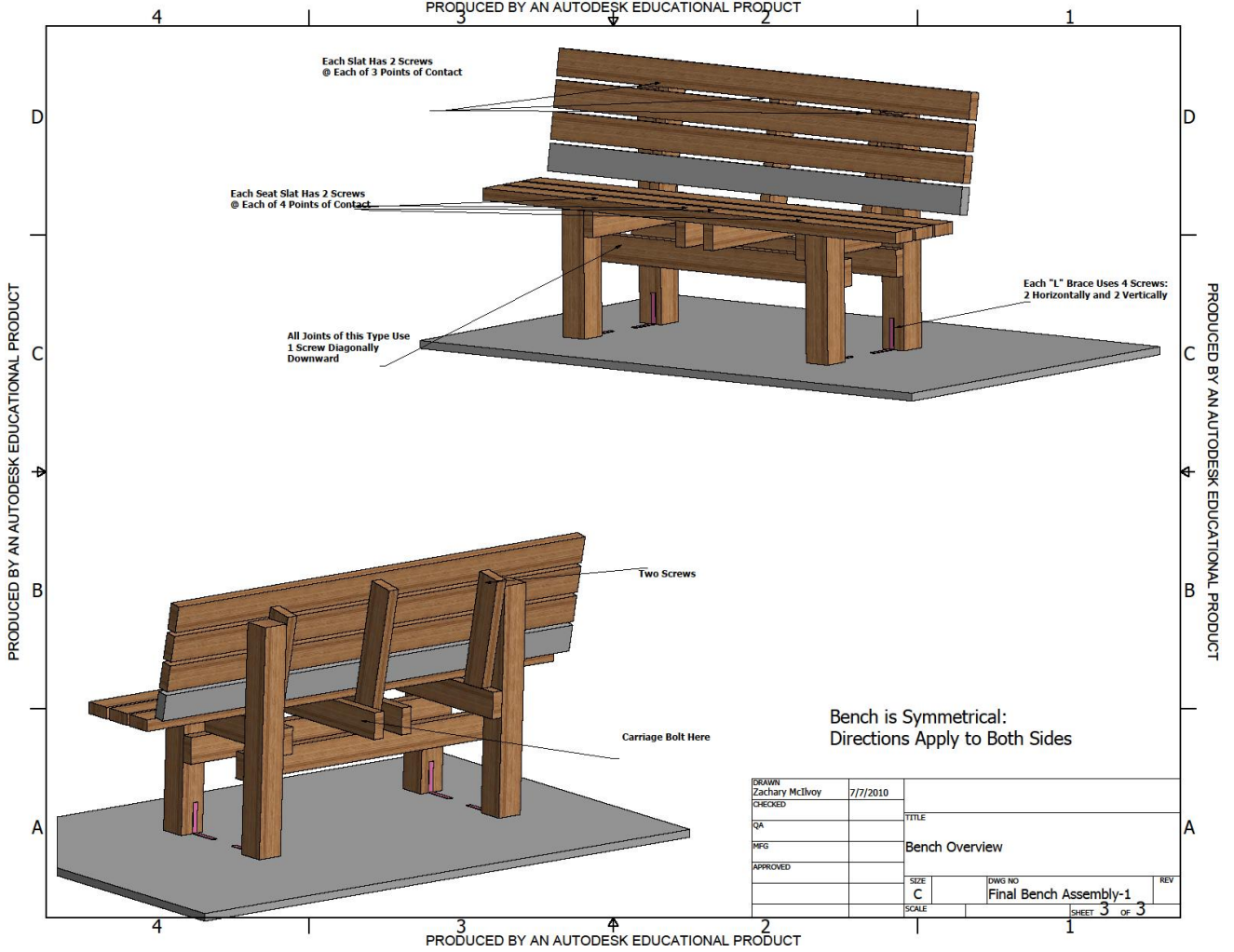
1. Pour Quikrete into holes
2. Add water until the viscosity resembles fudge; still a liquid but very thick
3. Insert the posts into correct holes
4. Use a level to ensure its level
5. Prop up with basic methods, should stay standing alone

Mounting Benches

1. Place benches in place
2. Mark holes on ground through holes in L-Bracket
3. Remove benches
4. Use rock bits to drill holes in concrete
5. Replace the benches
6. Screw down benches
7. Place other two benches near the courts

Day Five

Day five is an extra day, this day will be used for anything that could not be finished, or if one day has to be cancelled.



Bench is Symmetrical:
Directions Apply to Both Sides

| | | | | |
|----------|-----------------|----------|----------------|------------------------|
| DRAWN | Zachary McIlvoy | 7/7/2010 | | |
| CHECKED | | | TITLE | |
| QA | | | Bench Overview | |
| MEG | | | SIZE | DWG NO |
| APPROVED | | | C | Final Bench Assembly-1 |
| | | | SCALE | REV |
| | | | | |
| | | | | SHEET 3 OF 3 |

4 3 2 1

D

C

B

A

4 3 4 2 1

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

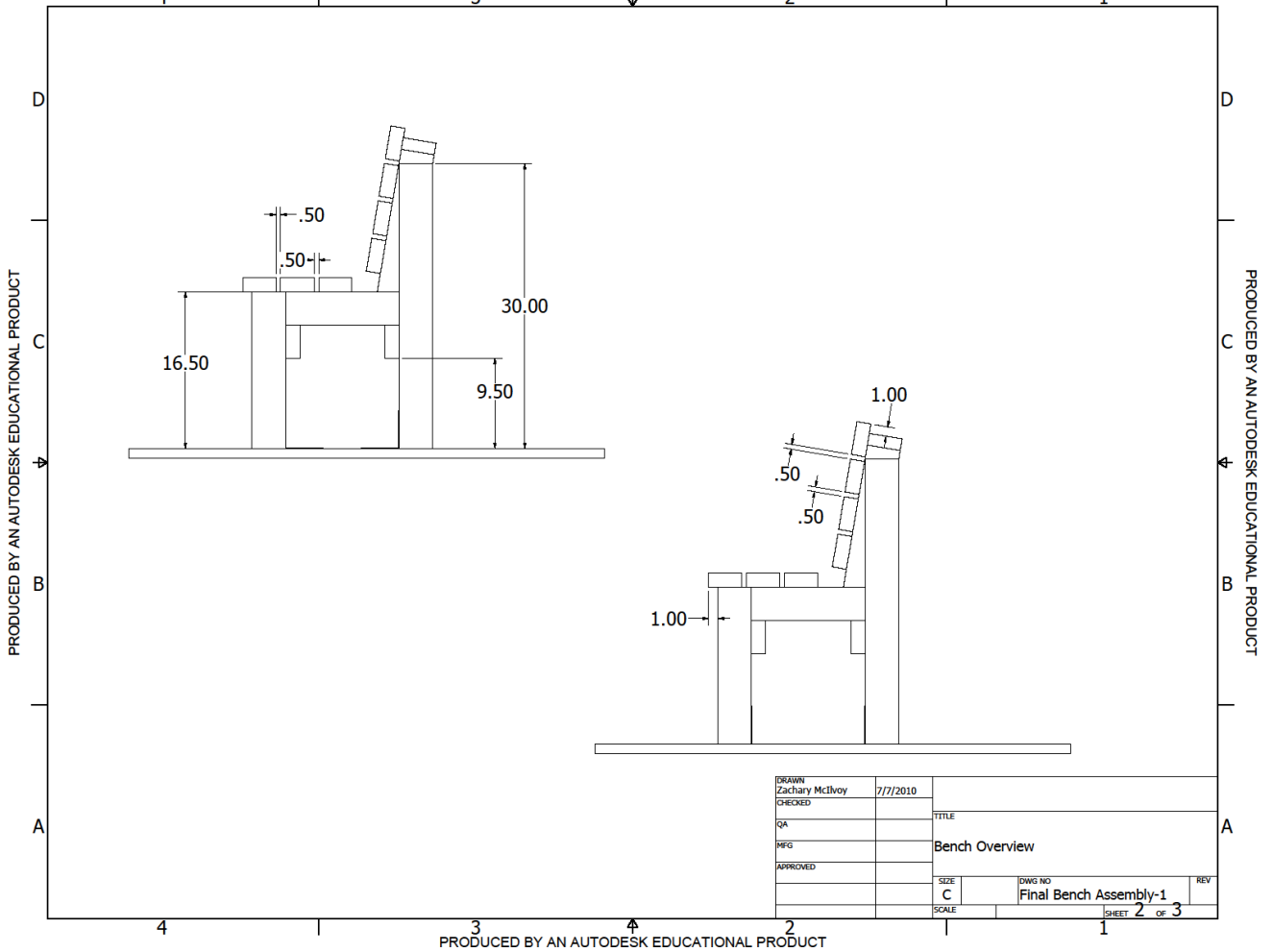
DETAIL B
SCALE 1 / 4

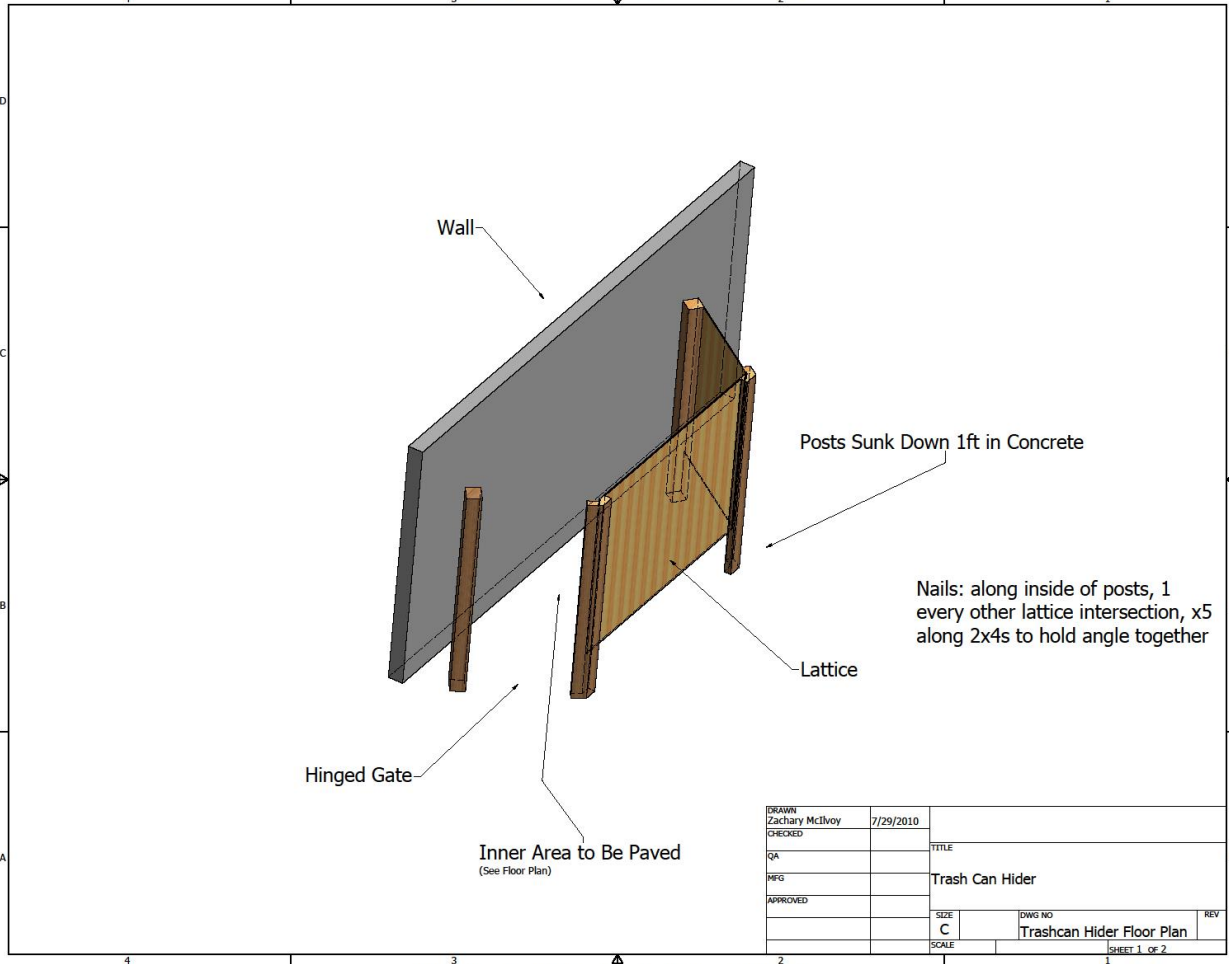
DETAIL D
SCALE 1 / 4

DETAIL E
SCALE 1 / 4

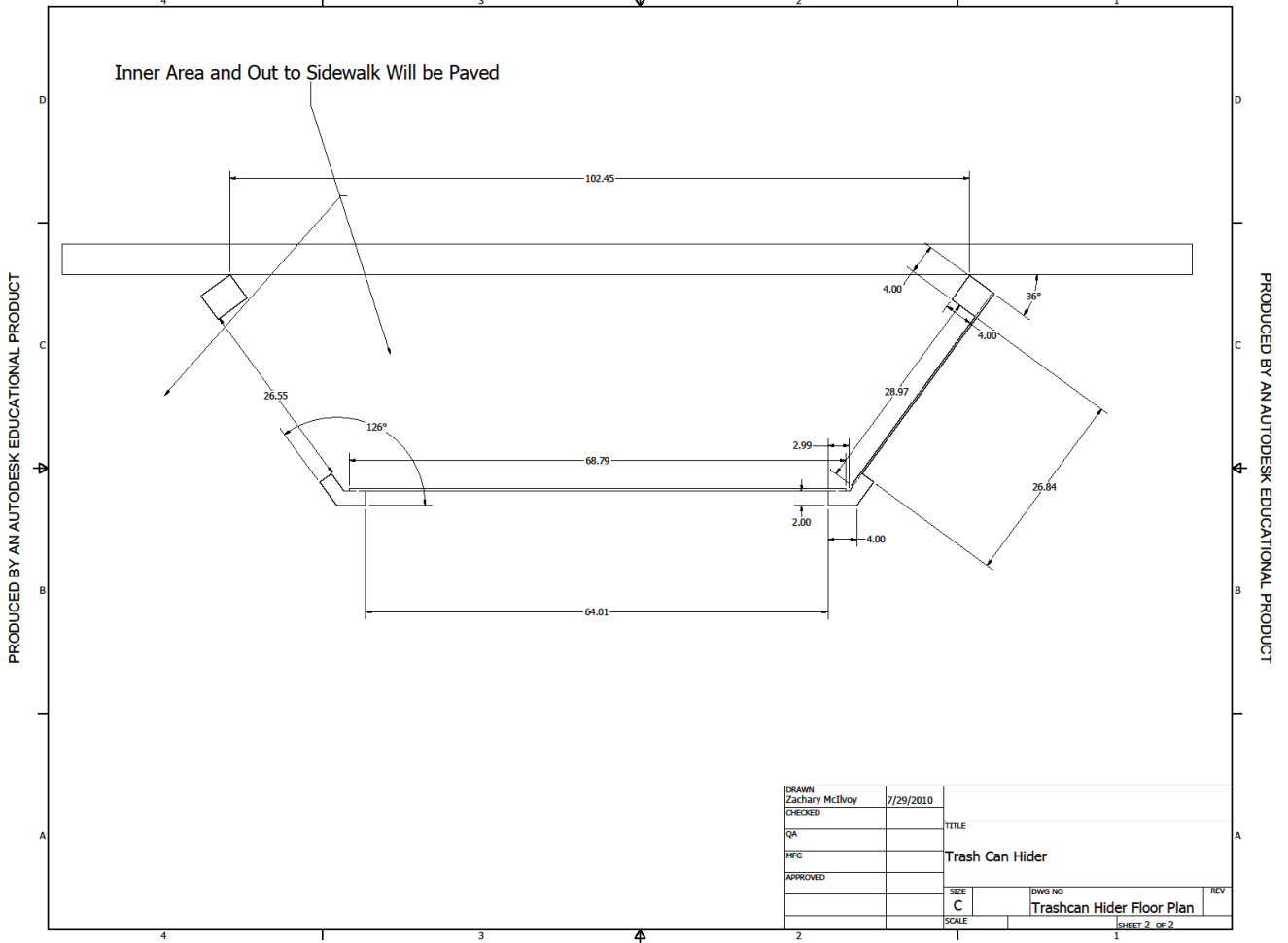
DETAIL C
SCALE 1 / 4

| | | | | |
|--------------------------|----------|----------------|------------------------|--------------|
| DRAWN Zachary McIlvoy | 7/7/2010 | | | |
| CHECKED | | TITLE | | |
| QA | | Bench Overview | | |
| MFG | | | | |
| APPROVED | | SIZE | DWG NO | REV |
| | | C | Final Bench Assembly-1 | |
| | | SCALE | | SHEET 1 of 3 |

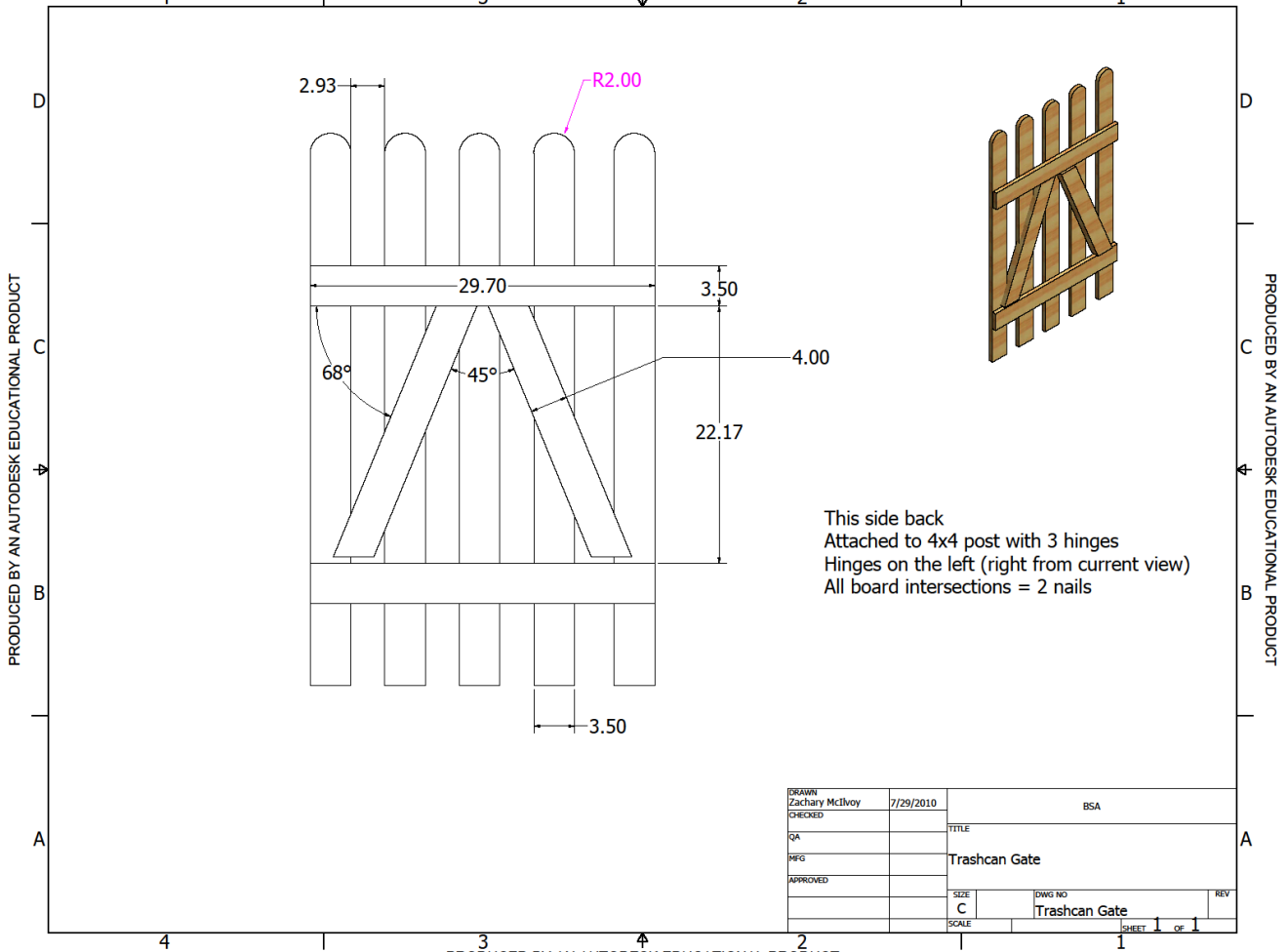




| | | | | |
|----------|-----------------|-----------|-----------------|---------------------------|
| DRAWN | Zachary McIlvoy | 7/29/2010 | | |
| CHECKED | | | TITLE | |
| QA | | | Trash Can Hider | |
| MFG | | | | |
| APPROVED | | | SIZE | DWG NO |
| | | | C | Trashcan Hider Floor Plan |
| | | | SCALE | REV |
| | | | | 1 |
| | | | | SHEET 1 OF 2 |



| | | | | |
|----------|-----------------|-----------|---------------------------|--------------|
| DRAWN | Zachary McIlvoy | 7/29/2010 | | |
| CHECKED | | | TITLE | |
| QA | | | Trash Can Hider | |
| MFG | | | | |
| APPROVED | | | | |
| | | SIZE | DWG NO | REV |
| | | C | Trashcan Hider Floor Plan | |
| | | SCALE | | |
| | | | | SHEET 2 OF 2 |



This side back
Attached to 4x4 post with 3 hinges
Hinges on the left (right from current view)
All board intersections = 2 nails

| | | | |
|--------------------------|-----------|---------------|-------------------------|
| DRAWN Zachary McIlvoy | 7/29/2010 | BSA | |
| CHECKED | | TITLE | |
| QA | | Trashcan Gate | |
| MFG | | SIZE C | DWG NO Trashcan Gate |
| APPROVED | | SCALE | REV |
| | | | SHEET 1 OF 1 |

Before Photos

(power point)

Approval Signatures for Project Plan

Project plans were reviewed and approved by

| | | | |
|--|---------------------|--|------------------|
| <u>Uki Malone</u> PRESIDENT | <u>2/13/2011</u> | <u>Paul W. Scott</u> | <u>2-13-11</u> |
| Religious Institution, School, or Community Representative | Date | Scoutmaster / Coach/Advisor | Date |
| <u>Maria E.T. Durkee</u> | <u>Feb 13, 2011</u> | <u>Phillip T. Durkee</u> | <u>2/14/2011</u> |
| Unit Committee Member | Date | Council or District Advancement Committee Member | Date |

- Important Note:** You may proceed with your leadership service project only when you have:
- Completed all the above mentioned planning details
 - Shared the project plans with the appropriate persons
 - Obtained approval from the appropriate persons

CARRYING OUT THE PROJECT

Record the progress of your project. Keep a record of how much time you spend planning and carrying out the project. List who besides yourself worked on the project, the days they worked, the number of hours they worked each day, and the total length of time others assisted on the project.

If appropriate, list the type and cost of any materials required to complete the project. If your original project plan changes at any time, be sure and document what the change was and the reason for the change.

Hours I spent working on the project

The length of time spent should be as adequate as is necessary for you to demonstrate your leadership of two or more individuals in planning and carrying out your project.

Hours I spent:

Planning the project 31 hours & 45min.: Carrying out the project 31 hours & 35min.
 Total hours I spent working on the project: 63 hours & 20min.

| | | | |
|--|----------|-------------------------------|------------|
| Communication with HOA to Secure Project | ----- | | 1hr 30min |
| Begin Service Project Workbook | 6/30/10 | | 30min |
| Service Project Workbook | 7/1/10 | 10am-11; | 1hr |
| Measurements | 7/1/10 | 12:10-12:40; | 30min |
| 3D Modeling | 7/1/10 | 2:10-2:30; | 20min |
| Workbook; Before Pics, | 7/2/10 | 12:15-1; | 45min |
| Bench Design | 7/2/10 | 1:15-1:45; | 30min |
| Bench Design | 7/3/10 | 10:05-11; | 1hour |
| Bench Final Design/Animation | 7/6/10 | 12:-2:30; | 2.5hours |
| Trash Can Hider Research/Design | 7/6/10 | 3:30-4:10; | 40min |
| Bench Screw Count | 7/7/10 | 1:20-1:30; | 10min |
| Bench Final List of Parts/Dimensions | 7/7/10 | 1:30-3; | 1.5hours |
| Trashcan Hider Design/Floor Plan | 7/15/10 | 2-3; | 1hour |
| Trashcan Hider Details | 7/16/10 | 12:30-12:45, 2-45, 3-5; | 3hours |
| Trashcan Hider Area Calculation | 7/17/10 | 8:50-9:20; | 30min |
| Floor Plans | 7/27/10 | 3:30-4; | 30min |
| Safety | 8/27/10 | 9-9:30; | 30min |
| Materials List | 9/6/10 | 8:20-9; | 40min |
| | 9/11/10 | 11:10-12:50, 1:35-2:40; | 2hr, 40min |
| | 10/24/10 | 3:30-3:50; | 20min |
| Step by Step | 11/28/10 | 1:30-3; | 1.5hours |
| Beam Measurement Adjustment | 12/27/10 | 10:45-11:30; | 45min |
| Step by Step | 12/27/10 | 1:15-1:50, 2:30-3; | 1hour |
| Step by Step | 12/28/10 | 11:15-12; | 45min |
| Step by Step | 12/29/10 | 1:05-2:10, 3:05-3:25, 4-4:25; | 2hr 40min |
| Discussion/Edits | 2/8/11 | | 2 hours |
| Home Depot Contact | 3/15/11 | | 2 hours |
| Collecting Donations | 3/28/11 | | 1 hour |
| Final Booklet Edits | 8/10/11 | 11-2; | 3 hours |

| | | |
|---------|-----------|-----------|
| 8/11/11 | 7-9; | 2 hours |
| 8/28/11 | 10-11:30; | 1hr 30min |
| 8/29/11 | 10-11; | 1 hour |

| | |
|-----------|-----------|
| 4/9/2011 | 9:00-2 |
| 4/15/2011 | 12:00-6 |
| 4/22/2011 | 8:30-7 |
| 4/30/2011 | 8:30-1:45 |
| 5/14/2011 | 7:30-4:30 |

5/15/2011 12:50-1:40

Hours Spent by Scouts, Venturers, or Other Individuals Working on the Project

| Name | Date | Time |
|--------------------|-----------|-------------|
| Andrew McIlvoy | 7/1/2011 | 12:10-12:40 |
| Ryan Durkee | 4/6/2011 | 30 min |
| Todd Kveton | 4/6/2011 | 30 min |
| Andrew McIlvoy | 4/6/2011 | 1 hour |
| Ryan Durkee | 4/9/2011 | 10:10-1:50 |
| Todd Kveton | 4/9/2011 | 10:15-1:50 |
| Dylan Smith | 4/9/2011 | 12:15-1:50 |
| Evan Smith | 4/9/2011 | 12:15-1:50 |
| Keith McIlvoy | 4/9/2011 | 10:10-12:30 |
| Michelle McIlvoy | 4/9/2011 | 10:00-2 |
| Maddie McIlvoy | 4/9/2011 | 12:30-1:50 |
| Hannah Finley | 4/9/2011 | 12:30-1:50 |
| Tyler Hermes | 4/15/2011 | 2:15-5 |
| Andrew McIlvoy | 4/15/2011 | 1:20-5:40 |
| Timothy McCutcheon | 4/15/2011 | 1:40-5:40 |
| Ryan Durkee | 4/15/2011 | 1:20-5:30 |
| Maddie McIlvoy | 4/15/2011 | 2:20-4:30 |
| Hannah Finley | 4/15/2011 | 2:20-4 |
| Michelle McIlvoy | 4/15/2011 | 1:20-6 |
| Keith McIlvoy | 4/15/2011 | 5:00-6 |
| Carson Casey | 4/16/2011 | 10:30-5 |
| Anthony Basile | 4/16/2011 | 10:30-5 |
| Keith McIlvoy | 4/16/2011 | 10:30-5 |
| Viki Melton | 4/16/2011 | 10:20-5 |
| Keith McIlvoy | 4/22/2011 | 9:00-1 |
| Ashley McCutcheon | 4/22/2011 | 12:30-6 |
| Andrew McIlvoy | 4/22/2011 | 12-3:30 |
| Ryan Durkee | 4/22/2011 | 12:30-3:30 |

| | | |
|---------------------|-----------|------------|
| Brooks Hurrion | 4/22/2011 | 12:30-5:30 |
| Brandon Arlington | 4/22/2011 | 1:15-5:30 |
| Tom Miller | 4/22/2011 | 1:15-5 |
| Greg Sokol | 4/22/2011 | 1:00-5 |
| Avery Horton | 4/22/2011 | 12:40-5 |
| Dalton Chanek | 4/22/2011 | 1:30-5:30 |
| David Landry | 4/22/2011 | 1:30-5:45 |
| Nik Newman | 4/22/2011 | 1:40-3:30 |
| Michelle McIlvoy | 4/22/2011 | 3:00-6 |
| Ben Castillo | 4/22/2011 | 3-5:30 |
| Chris Castillo | 4/22/2011 | 3-5:30 |
| Maddie McIlvoy | 4/22/2011 | 3:30-6 |
| Hannah Finley | 4/22/2011 | 3:30-6 |
| Jeremiah McCutcheon | 4/22/2011 | 3:15-6 |
| Glenn Kveton | 4/30/2011 | 9:45-1:45 |
| Tyler Hermes | 4/30/2011 | 9:55-1:45 |
| Janis Buck | 4/30/2011 | 10-1:45 |

Total number of hours others worked on the project: 166 hours & 30min.

For a grand total, add the total number of hours you spent on the project to the total number of hours others worked on the project: 229 hours & 50min.

Materials Required to Complete the Project

| Description | Quantity | Unit Cost | Total Cost |
|---|-----------------|-----------|------------|
| power washer | 3 | \$90 | \$270 |
| Ryobi Gas Straight Shaft, 18 In. Cut Width, Brush Cutter, Trimmer | 3 | \$149 | \$447 |
| Black & Decker 18V Cordless Electric String Trimmer, 12 in. | 3 | \$99 | \$297 |
| Fiskars Bypass Pruner | 5 | \$13.97 | \$69.85 |
| Coleman Cable 50 Ft. 13 Amp Orange Extension Cord | 4 | \$7.96 | \$31.84 |
| MSA Safety Works Safety Glasses | 25 | \$5.96 | \$149 |
| Firm Grip General Purpose Gloves, 3 Pack | 3 | \$9.97 | \$29.91 |
| Pizza Hut Big Italy Pizza | 8 | \$12 | \$96 |
| gatorade | 24 variety pack | \$45 | \$45 |
| Coleman 48 Qt. Chest Cooler, Blue | 1 | \$39.96 | \$39.96 |
| Igloo® Water Cooler with Cup Dispenser | 2 | \$40.99 | \$81.98 |
| 12 ft. Chrome Finish Casing Tape Measure | 5 | \$2.94 | \$14.70 |
| 4x4x30 | 8 or 240" | | |
| 2x4x43 | 8 or 344" | | |
| 4x4x15 | 8 or 120" | | |
| 2x4x18.935 | 16 or 304" | | |
| 2x4x20 | 4 or 80" | | |
| 2x4x18 | 8 or 144" | | |
| 2x4x67 | 28 or 1876" | | |
| 4x4x60 | 2 or 120" | | |

| | | | |
|---|---------------------|-----------------|--|
| 2x4x60 | 4 or 240" | | |
| 1.5x4x46 | 5 or 53" | | |
| 2x4x26.5 | 2 or 53" | | |
| 2x4x24.75 | 2 or 49.5" | | |
| | 4x4= 480" | | 6.97x6= \$41.8 |
| | 2x4= 3320.5" | | 2.29x36= \$82.44 \$124.26 |
| lattice 68.8x48 | 1 | | 24.97 |
| lattice 33x48 | 1 | | 24.97 |
| L-bracket | 16 | \$1.16 | 18.56 |
| wood screws | 5lb | \$28.24/5lb | 56.48 |
| concrete screws | 16 | \$9.98/25 | 9.98 |
| Ryobi 10 in. Miter Saw With Laser | 2 | \$119 | 238 |
| Johnson 8 In. x 12 In. Steel Carpenter Square | 4 | \$3.79 | 51.16 |
| DEWALT 3/8 In. Pistol Grip Drill Kit | 4 | \$59 | 236 |
| Bosch Blue Granite 5/16 in. x 6 in. Carbide Industrial Hammer Drill Bit | 3 | \$5.69 | 17.07 |
| Ryobi SpeedLoad Plus 17-Piece Titanium Drill Bit Set | 4 | \$19.97 | 79.88 |
| stain | 3 | \$25/gal | 75 |
| Economy 3 in. Flat Utility Brush | 10 | \$3.97 | 39.7 |
| Quikrete 50 Lb. Fast Setting Concrete Mix | 3 | \$4.98 | 14.94 |
| paving | 4.7/square ft. | \$0.84 | 8.4 |
| Bronco D-Handle Spade Shovel | 1 | \$14.97 | 14.97 |
| RIDGID Post Hole Digger Fiberglass Handle | 2 | \$39.97 | 79.94 |
| MSA Safety Works Pack of 5/ TR Dust Mask | 2 | \$2.46 | 4.92 |
| Evergreen 0.5 Cu. Ft. Drainage Rock | 1134square in (189) | unable to price | |
| 5/8 in. x 150 ft. Medium-Duty Reel Hose | 5 | \$27.97 | 139.85 |
| Ridgid D Grip Handle Transfer Shovel | 3 | \$21.97 | 65.91 |
| Ames True Temper 12-Tine Welded Bow Rake | 5 | \$5.97 | 29.85 |
| Vigoro Brass Hose Y with Shut-Off | 3 | \$8.97 | 26.91 |

| Description | Quantity | Unit Cost | Total Cost | Source |
|---|---------------------|-----------------|------------------|--------------|
| power washer | 3 | \$90 | \$270 | Home Depot |
| Ryobi Gas Straight Shaft, 18 In. Cut Width, Brush Cutter, Trimmer | 3 | \$149 | \$447 | Home Depot |
| Black & Decker 18V Cordless Electric String Trimmer, 12 in. | 3 | \$99 | \$297 | Home Depot |
| Fiskars Bypass Pruner | 5 | \$13.97 | \$69.85 | Home Depot |
| Coleman Cable 50 Ft. 13 Amp Orange Extension Cord | 4 | \$7.96 | \$31.84 | Home Depot |
| MSA Safety Works Safety Glasses | 25 | \$5.96 | \$149 | Home Depot |
| Firm Grip General Purpose Gloves, 3 Pack | 3 | \$9.97 | \$29.91 | Home Depot |
| Pizza Hut Big Italy Pizza | 8 | \$12 | \$96 | Pizza Hut |
| gatorade | 24 variety pack | \$45 | \$45 | Costco |
| Coleman 48 Qt. Chest Cooler, Blue | 1 | \$39.96 | \$39.96 | Home Depot |
| Igloo® Water Cooler with Cup Dispenser | 2 | \$40.99 | \$81.98 | Ace Hardware |
| 12 ft. Chrome Finish Casing Tape Measure | 5 | \$2.94 | \$14.70 | Home Depot |
| 4x4x30 | 8 or 240" | | | Home Depot |
| 2x4x43 | 8 or 344" | | | Home Depot |
| 4x4x15 | 8 or 120" | | | Home Depot |
| 2x4x18.935 | 16 or 304" | | | Home Depot |
| 2x4x20 | 4 or 80" | | | Home Depot |
| 2x4x18 | 8 or 144" | | | Home Depot |
| 2x4x67 | 28 or 1876" | | | Home Depot |
| 4x4x60 | 2 or 120" | | | Home Depot |
| 2x4x60 | 4 or 240" | | | Home Depot |
| 1.5x4x46 | 5 or 53" | | | Home Depot |
| 2x4x26.5 | 2 or 53" | | | Home Depot |
| 2x4x24.75 | 2 or 49.5" | | | Home Depot |
| | 4x4= 480" | | 6.97x6= \$41.82 | |
| | 2x4= 3320.5" | | 2.29x36= \$82.44 | |
| | | | \$124.26 | |
| lattice 68.8x48 | 1 | | 24.97 | Home Depot |
| latice 33x48 | 1 | | 24.97 | Home Depot |
| L-bracket | 16 | \$1.16 | 18.56 | Home Depot |
| wood screws | 5lb | \$28.24/5lb | 56.48 | Home Depot |
| concrete screws | 16 | \$9.98/25 | 9.98 | Home Depot |
| Ryobi 10 in. Miter Saw With Laser | 2 | \$119 | 238 | Home Depot |
| Johnson 8 In. x 12 In. Steel Carpenter Square | 4 | \$3.79 | 51.16 | Home Depot |
| DEWALT 3/8 In. Pistol Grip Drill Kit | 4 | \$59 | 236 | Home Depot |
| Bosch Blue Granite 5/16 in. x 6 in. Carbide Industrial Hammer Drill | 3 | \$5.69 | 17.07 | Home Depot |
| Ryobi SpeedLoad Plus 17-Piece Titanium Drill Bit Set | 4 | \$19.97 | 79.88 | Home Depot |
| stain | 3 | \$25/gal | 75 | Home Depot |
| Economy 3 in. Flat Utility Brush | 10 | \$3.97 | 39.7 | Home Depot |
| Quikrete 50 Lb. Fast Setting Concrete Mix | 3 | \$4.98 | 14.94 | Home Depot |
| paving | 4.7/square ft. | \$0.84 | 8.4 | Home Depot |
| Bronco D-Handle Spade Shovel | 1 | \$14.97 | 14.97 | Home Depot |
| RIDGID Post Hole Digger Fiberglass Handle | 2 | \$39.97 | 79.94 | Home Depot |
| MSA Safety Works Pack of 5/ TR Dust Mask | 2 | \$2.46 | 4.92 | Home Depot |
| Evergreen 0.5 Cu. Ft. Drainage Rock | 1134square in (189) | unable to price | | Lowes |
| 5/8 in. x 150 ft. Medium-Duty Reel Hose | 5 | \$27.97 | 139.85 | Home Depot |
| Ridgid D Grip Handle Transfer Shovel | 3 | \$21.97 | 65.91 | Home Depot |
| Ames True Temper 12-Tine Welded Bow Rake | 5 | \$5.97 | 29.85 | Home Depot |
| Vigoro Brass Hose Y with Shut-Off | 3 | \$8.97 | 26.91 | Home Depot |

How It Happened

Day 1

Preparation: The Tuesday before this work day, I announced my project at a regular scout meeting. I also sent out a reminder email. The whole week prior, I coordinated with the people who were going to lend me equipment and picked it up, collecting it in my garage. Each item was labeled with a number, associated with the person who lent it to me. I also bought Gatorade and ice.

The morning of, I had to get the clubhouse key from the gate guard, bring all the drinks up into the clubhouse, and organize which materials needed to be brought.

Safety:

- Two-Deep leadership at all times
- Safety glasses will be worn at all times by anyone near the saws
- First-Aid kit, cell phone, and designated emergency responder always available
- Map to nearest two hospitals in binder
- Water, Gatorade, and food available
- Both the email and safety briefing, remind volunteers to wear sunscreen
- Make sure to repeat safety briefing for latecomers

When volunteers arrived, I first had everyone load up a large load of wood into the car, and then unload it on site. Then there was immediately a safety briefing. I discussed all aspects of safety for the day, including safety glasses, how to use the saws, water, first aid kit, and hospital location. I also mentioned the location of bathrooms, hydration, and food. I had found out previously that I would not be able to close the whole clubhouse area, so I instructed all volunteers to stop work temporarily if and when any patrons came through. After the briefing, I demonstrated how to correctly square and mark the wood, how to properly use the saws, and where/how to stack the wood after we were done.

The first thing I did was then direct everybody to begin measuring and marking wood. After we had a buffer marked, I then chose four volunteers, in pairs, to begin cutting the wood on the marked lines. The remaining few volunteers continued to finish marking the rest of the lumber. As we neared lunch time, I ordered pizza based on what everybody wanted. After a lunch break, came back and finished the rest of the cutting.

At the end of the day, when I was counting the pieces of lumber, I realized that the numbers didn't match up. After talking it over with some of the volunteers, we realized that I had forgotten to mention that some of the pieces of lumber had to be cut very specifically in order to fit all the cuts. Therefore, we were one 2x4 short.

When we were finished, I made sure that all supplies and tools were picked up and that no mess was left. The lumber was stacked behind a sign, and covered in a tarp. I made sure to thank all my volunteers as they left.

That night I went to Home Depot and purchased another 2x4. I made the cut and I was then back on schedule.

Day 2

Preparation: In preparation for this work day, I first sent out another email and announced it at the meeting. I also brought fliers to school to try to get a few extra volunteers. The night before I made sure that I had enough of the right color stain. I also collected all the supplies needed for the

day and loaded them in the car. Also, in order to remain on a rigorous schedule, I stained some of the bench pieces, that way we could begin bench assembly.

Safety:

- Two-Deep leadership at all times
- Safety glasses will be worn at all times by anyone power washing or drilling
- First-Aid kit, cell phone, and designated emergency responder always available
- Map to nearest two hospitals in binder
- Water, Gatorade, and food available
- Both the email and safety briefing, remind volunteers to wear sunscreen and old clothes to stain in
- Make sure to repeat safety info for latecomers

When everyone arrived, I first informed everybody what we were going to be doing for the day, and divided the volunteers in to two groups. I did not have as many volunteers as I planned for, so both groups would be staining initially. I gave a brief safety briefing regarding the heat, hydration and the location of hospitals, as well as safety glasses and sunscreen. I also talked about and demonstrated the difficulties of staining lattice and how to do it properly.

I then sent each of the two teams to the two areas we had for staining and had them begin staining batches of lumber one side at a time. As expected, the lattice was difficult, especially for some of the younger scouts. A few times I had to help and demonstrate again. Mostly it was about reminding them to slow down. When I was not in the immediate vicinity, I asked one of the older scouts or adults to watch how the staining was going and provide any necessary help. During the day, I rotated two people through as power washers and edgers. It was taking a lot longer than expected, mostly because of how dirty the courts were, so I realized we would have to finish it another day.

Around noon, we gathered in the clubhouse for lunch and a break, then went back out and finished the day.

At the end of the work day, everything was cleaned up and brought back to my house, or stored in the clubhouse.

Day 3

Safety:

- Two-Deep leadership at all times
- Safety glasses will be worn at all times by anyone drilling
- First-Aid kit, cell phone, and designated emergency responder always available
- Map to nearest two hospitals in binder
- Water, Gatorade, and food available
- Both the email and safety briefing, remind volunteers to wear sunscreen and old clothes to stain in
- Make sure to repeat safety info for latecomers

Day three was a more limited and focused group, mainly for finishing the benches and the trashcan hider. After volunteers gathered, I gave a safety briefing, today focusing on the use of power tools and concrete.

Today I divided up people into two groups, benches and trashcan hider. I first joined the group making benches, to demonstrate the easiest way to assemble them. Each bench was assembled by two people working together. After they got things going, I went back to the trashcan hider group,

who was preparing the area. We then dug the holes and concreted the posts as planned. The day ended up being relatively simply, but we accomplished a lot. In the middle of the day, we took a break for food and drink, and when we were done, I made sure that all mess was cleaned up, especially from the concreting.

Day 4

Safety:

- Two-Deep leadership at all times
- Safety glasses will be worn at all times by anyone power washing or drilling
- First-Aid kit, cell phone, and designated emergency responder always available
- Map to nearest two hospitals in binder
- Water, Gatorade, and food available
- Both the email and safety briefing, remind volunteers to wear sunscreen and old clothes to stain in
- Make sure to repeat safety info for latecomers

As usual, I began with a safety briefing. It was short, and mostly about basic safety, the first aid kit, and two-deep leadership. Afterwards, we began installing the pavers, because we finished the post installing the previous day. After the pavers were installed, the lattice and gate were installed. All that was left was then to stain the trashcan hider assembly. When that was done, everything that could be done was done. We could not mount the benches because I could not borrow the hammer drill that day.

Day 5

Safety:

- Safety glasses will be worn at all times by anyone drilling
- First-Aid kit, cell phone, and designated emergency responder always available
- Map to nearest two hospitals in binder
- Water, Gatorade, and food available

This day was planned as an extra day. It was only me; I went up to the clubhouse with a hammer drill, and drilled the benches into the ground as planned.

Changes

List any changes made to the original project plan and explain why those changes were made.

Day 1

Day one went mostly as planned. The initial problem was dates, so this work day was scheduled a little last minute. I was able to get everything together, however, so the preparation for the day was all smooth. The initial hope of ten people was a little high, I only ended up with five people for the day, including myself. While we were therefore perhaps not as efficient as possible, the five guys that were there were hard working and glad to help. Therefore, we were able to cut all except for two pieces of lumber, and this was due a mistake in the way we cut the wood. The original measurements had accounted for cutting multiple pieces out of some of the 8' lengths. Unfortunately, I forgot about that on the few pieces that mattered, and therefore ended up slightly short. I was able to go to Home Depot that night and pick another 2x4. The next day I cut the final piece so I was back on schedule. All safety procedures were in order, except that we could not actually close the clubhouse area. I couldn't cancel, so we continued on. The pool was almost empty, so our work was mostly uninterrupted. Safety in mind, we stopped work as soon as anyone not a volunteer showed up.

Day 2

For day two, I did additional prep by pre-staining some of the pieces of the benches at my house, that way we would be able to start assembling the day of. The only thing that changed for day two was the numbers; due to the number of power washers and hose hookups, we could only have two people power washing. Similarly, we only could run two or three weed eaters for clearing brush from the path perimeter. Because of the extra time available between coats of stain, we began assembling the benches today. The number of older scouts was limited, so trashcan hider area prep was limited to me making some measurements and marking locations.

Day 3

Day three consisted of finishing assembling the benches and installing all the posts, etc for the trashcan hider, as planned. The gravel was not poured around the courts (See below). The final edging of the path was completed.

Day 4

On day four, the trashcan hider was assembled and pavers in place, as planned, but the benches were not mounted due to lack of a hammer drill.

Day 5

Day five was the extra day. It consisted of just me, mounting the benches, and attaching the latch hardware for the trashcan hider gate.

Overall Complications/Changes:

- At the beginning of the project, preparing for my first work day, my HOA contact said that she didn't realize I wanted to ask people from the neighborhood to volunteer. This did decrease the number of volunteers I could expect at each work day. I was worried it would be a big issue, but it ended being manageable.
- Communication with the HOA was done through one lady, whom I could easily contact, which made communication, but a few times she didn't seem to understand what I meant.
- Even though I had submitted my designs to the board and again to my contact, there was apparently a disagreement on the design of the trashcan hider. Soon after my project was completed, I went out of town. When I came back, somebody had made some considerable changes to it.
- About half way through the project, my contact brought up the plan of pouring gravel and wondered if the gravel would just get all over the court and create more problems and safety hazards for players. It was decided to eliminate this part of the project.

Photographs

(Power Point)

"AFTER" PHOTOGRAPHS

Including photographs of your completed project (along with the before photographs on page 6) helps present a clearer overall understanding of your effort.

Approvals for Completed Project

Start date of project: _____

Completion date of project: _____

The project was started and has been completed since I received the Life Scout rank, and is respectfully submitted for consideration.

Applicant's signature

Date

This project was planned, developed, and carried out by the candidate.

Signature of Scoutmaster / Coach /Advisor

Date

Signature of the representative of religious institution, school, or community

Date

The 12 Steps from Life to Eagle

The following 12 steps have been outlined to ensure a smooth procedure for the Scout, the unit leadership, the local council, and the volunteers who are to conduct the board of review. Eagle candidates should share these steps with their unit leader so that they can fully understand the procedures that must be followed.

1. In order to advance to the rank of Eagle, a candidate must complete all requirements of tenure; Scout spirit; merit badges; positions of responsibility; while a Life Scout, plan, develop, and provide leadership to others in a service project; and the Scoutmaster conference.
2. Using the Eagle Scout Leadership Service Project Workbook, the candidate must select his Eagle service project and have the project concept approved by his unit leader, his unit committee, and the benefactor of the project, and reviewed and approved by the council or district advancement committee. This workbook must be used in meeting this requirement.
3. It is imperative that all requirements for the Eagle Scout rank except the board of review be completed prior to the candidate's 18th birthday. When all requirements except the board of review for the rank of Eagle, including the leadership service project, have been completed, the enclosed Eagle Scout Rank Application must be completed and sent to the council service center promptly. (Youth members with disabilities should meet with their unit leader regarding time extensions.)
4. The application should be signed by the unit leader at the proper place. The unit committee reviews and approves the record of the Eagle candidate before the application is submitted to the local council. If a unit leader or unit committee fails to sign or otherwise approve an application, the Eagle candidate may still be granted a board of review. The failure of a unit leader or unit committee to sign an application may be considered by the board of review in determining the qualification of the Eagle candidate.
5. When the completed application is received at the council service center, its contents will be verified and the references contacted. The council advancement committee or its designee contacts the person listed as a reference on the Eagle Scout Rank Application either by letter, form, or telephone checklist. The council determines the method or methods to be used. The candidate should have contacted those individuals listed as references before including their names on the application. The candidates should not be involved personally in transmitting any correspondence between persons listed as references and the council service center
6. The Eagle Scout Leadership Service Project

Workbook, properly filled out, must be submitted with the application.

7. After the contents of an application have been verified and appropriately signed, the application, Eagle Scout Leadership Service Project Workbook, and references will be returned from the council service center to the chairman of the Eagle board of review so that a board of review may be scheduled. Under no circumstances should a board of review be scheduled until the application is returned to the chairman of the Eagle board of review. Reference checks that are forwarded with the application are confidential, and their contents are not to be disclosed to any person who is not a member of the board of review.
8. The board of review for an Eagle candidate is composed of at least three but not more than six members. One member serves as chairman. Unit leaders, assistant unit leaders, relatives, or guardians may not serve as members of a Scout's board of review.

The board of review members should convene at least 30 minutes before the candidate appears in order to review the application, reference checks, and leadership service project report. At least one district or council advancement representative must be a member of the Eagle board of review if the board of review is conducted on a unit level. A council or district may designate more than one person to serve as a member of Eagle boards of review when requested to do so by the unit. It is not required that these persons be members of the advancement committee; however, they must have an understanding of the importance of the Eagle board of review.

9. The candidate's unit leader introduces him to the members of the board of review. The unit leader may remain in the room, but does not participate in the board of review. The unit leader may be called on to clarify a point in question. In no case should a relative or guardian of the candidate attend the review, even as a unit leader. There is no set of questions that an Eagle candidate should be asked. However, the board should be assured of the candidate's participation in the program. This is the highest award that a Scout may achieve and, consequently, a thorough discussion of his successes and experiences in Scouting should be considered. After the review, the candidate and his unit leader leave the room while the board members discuss the acceptability of the candidate as an Eagle Scout.

The decision must be unanimous - If the candidate meets the requirements, he is asked to return and is informed that he will receive the board's recommendation for the Eagle Scout rank. If the candidate does not meet the requirements, he is asked to return and told the reasons for his failure to qualify.

A discussion should be held with him as to how he may meet the requirements within a given period. Should the applicant disagree with the decision, the appeal procedures should be explained to him. A follow-up letter must be sent to the Scout confirming the agreements reached on the action(s) necessary for the advancement. If the Scout chooses to appeal, the board should provide the name and address of the person he is to contact. (See "Appealing a Decision" in the *National BSA Policies and Procedures*, No. 33088A.)

10. Immediately after the board of review and after the application has been appropriately signed, the application, the service project report, references, and a properly completed Advancement Report are returned to the council service center
11. When the application arrives at the council service center, the Scout executive signs it to certify that the proper procedure has been followed and that the board of review has recommended the candidate for the Eagle Scout rank. This workbook and references are retained by the council. The workbook may be returned to the Scout after council approval.

Only the Eagle Scout Rank Application is forwarded to the national Eagle Scout Service

12. The Eagle Scout Service screens the application to ascertain information such as proper signature, positions of responsibility, tenure between ranks, and age of the candidate. Any item not meeting national standards will cause the application to be returned for more information. If the application is in order the Scout is then certified as an Eagle Scout by the Eagle Scout Service on behalf of the National Council. Notice of approval is given by sending the Eagle Scout certificate to the local council. The date used on the certificate will be the date of the board of review. The Eagle Award must not be sold or given to any unit until after the certificate is received by the council service center. The Eagle Scout court of honor should not be scheduled until the local council receives the Eagle Scout rank credentials.