

Project Description

Describe the project you plan to do:

My project will be at a local park. It will consist of putting in two barbecue stands and one picnic table. For the table I am putting in I will have to put down twenty-seven cubic feet of concrete. I will also have to put in concrete for both barbecue stands.

What group will benefit from the project?

Sunrise Recreation and Parks District
Foothill Community Center
5510 Diablo dr.
Sacramento, CA 95842
(916) 729-3958

My project will be of benefit to the park because:

The park has been in need of new barbecues and tables for a number of months now, due to the increased popularity of the park. The park hasn't had the manpower or the money to put them in.

This concept was discussed with my unit leader on

June 18, 2003 Mr. Greg Taggert

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

Noe Villa, Supervisor, On June 16, 2003, phone # (916) 257-8882

Project details

Present condition:

Schematics updated

The park is lacking in proper facilities to host picnics for members of the community.

What I will do to improve the park:

I will be putting in one barbecue stand in a grass area next to a picnic bench. I will also be putting in a picnic table and a second barbecue stand by it. The picnic table I am putting in will go next to a tree that way there will be shade for people who use it.

Drawings and dimensions of pads:

Drawings are behind this paper. The pad for the table will be 8' x 10' x 3-4'' The pad for the barbecue will vary depending on dimensions of barbecue.

Aaron Klapheck's Eagle Scout project.

List of materials and tools

finishing tools for the concrete

A pick, posthole digger, pike, and shovels

A level to make sure the ground and concrete are even

(36) 12' in. wooden stakes to support the forms to be placed 18' in. apart

(two) 2''x 4''x 8' lumber for the forms

(two) 2''x 4''x 10' lumber for the forms

Wheel barrels, hoe, and shovel to pour concrete in.

An extra piece of 8' lumber to screed off excess concrete

A tape measure to find the dimensions of the dug in area

250 ft. of garden hose and pliers for water

Rake, broom, forming nails.

Home Depot has allowed me to get any supplies I will need (concrete for now) for free.

The bench will need 80 square feet or one yard of concrete, 4 inches thick.

For the barbecue stands I will need two bags of cement each.

Helpers

Troop 144 members

Time line

Day One

Install pad for Picnic table

Dig out dirt for 8'x10' pad 3-4'' deep haul dirt away by wheel barrel save some to backfill after forms are put in.

Level and place forms with supports 18'' apart, backfill dirt around forms.

Pour concrete into the form and into barbeque hole.

Screed excess concrete off with a board.

Finish the concrete; the pad should have a broom finish.

Install base for Barbecues

Use posthole digger and pike to dig hole for post.

Place post 18''- 24'' below grade.

Use 1 wheel barrel of concrete per grill.

Install post without grill.

When installing post use dimensions of existing grills for proper height.

2. Detailed installation of table pad

Dimensions of pad should be 8' x 10' with a 3-4" depth.

Pad will be ½" - 1" above soil level/grade.

Pad should be level and soil will need to be feathered away from pad (after curing) to accommodate imperfections in grade level.

Supervisor will mark location in white paint.

Grass will be removed by pick and shovel.

Forms should be made of 2"x 4" lumber and 12" wooden stakes for support.

Excavated area should be larger than form and then back filled against form for support.

Concrete will be poured from a wheel barrel.

1 yard of concrete is equal to 80 square feet 4" thick.

One and a half weeks later we will put in the barbeques

Safety

The people working with shoveling and concrete will be wearing gloves.

We also have to be concerned with the safety of the people who will be using the equipment. We can't install the table or barbeques too close to the drip line of the trees, due to park safety regulations.