

**City Park Playground  
List of Materials We Still Need**

Updated: 3/16/2009

**Roofing Supplies**

Item	Quantity	Ea	Notes	Unit price	Cost
Felt paper	240	SF	for tree house roof		
Cedar shake shingles	240	SF	for tree house roof		
Cedar ridge cap shingles	60	LF	for tree house roof		
Roofing nails	1	Lbs	1-1/2" Galvanized roofing nail		

**NON PRESSURE-TREATED LOCAL LUMBER:**

# 2 grade framing lumber from local sources. Get donated from local lumberyard.

Item	Quantity		Notes	Unit price	Cost
2x6x14'	40	Ea			
2x4x14'	40	Ea			
Plywood	3	Ea	1/4" or 1/2" x 4' x 8'		

**TIRES:**

Be sure none are steel-belted or studded! All should have strong sidewalls and no rips or tears. Sources: tire

Truck Tires: get 20", 22", or 24" tires. Preferable to get all the same size. No steel-belted tires, snow tires, or tires

Light-Truck Tire: need only 16". Should be in good condition. No rough/sharp edges and no steel belted.

Item	Quantity		Notes	Unit price	Cost
Truck	6	Ea			
16" light truck	3	Ea	Tire swing		

**GALVANIZED WATER PIPE:**

Must be galvanized. It is the type used in residential construction water systems.

Item	Quantity		Notes	Unit price	Cost
3/4x22-1/2" pipe	7		Rungs for ladders		
1-1/4"x7'	1	Ea	Chin-up and parallel bars		
1-1/4" x 15'	1	Ea	Firepole		
3/4"x46-1/2"	6	Ea	For slides		

**POWDER COATED PIPE:**

Schedule 40 bare (non-coated) steel ( or Aluminum) pipe. Pipes should be coated with a polyester powder coated finish. Color should be light grey.

Item	Quantity		Notes	Unit price	Cost
3/4" x 24-1/2"	89	Ea			
3/4" x 32-1/2"	380	Ea			

**STEEL PLATE**

Item	Quantity		Notes	Unit price	Cost
1/4" Steel Plate	9	Sq Ft			

**1 1/2" PVC PIPE (for phone system):**

Item	Quantity		Notes	Unit price	Cost
1-1/2"	132	LF	PVC pipe		
1-1/2"	12	Ea	Coupling		
1-1/2"	24	Ea	90-degree street elbow		
1-1/2"	8	Ea	45-degree elbow		
1-1/2"	4	Ea	Cap		

Glue and cleaner	1	PT			
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**RUBBER HOSE (to cover chains):**

Reinforced flexible hose that slides easily over 3/16" and 1/4" chain, must be rubber, no clear vinyl. Bright-colored hose is preferred. Sources: washer hose/auto parts store.

Item	Quantity		Notes	Unit price	Cost
1-1/4"	13	LF	Rubber hose (inside diameter)		
1"	130	LF	Rubber hose (inside diameter)		

**TOOLS SUPPLIES:**

**DRILL BITS:**

Check specifications under notes!

Item	Quantity		Notes	Unit price	Cost
1/8"	55	Ea	High speed steel twist bit (4-1/2" long, cut down longer bit if needed)		
1/8"	50	Ea	High speed steel twist bit (3" long)		
3/16"	3	Ea	High speed steel twist bit (3" long)		
3/16"	5	Ea	High speed steel twist bit (6" long). It's possible to use longer bits and cut them down to 6". May need to special order. Check lead times.		
1/4"	3	Ea	High speed steel twist bit (3" long)		
3/8"	3	Ea	High speed steel twist bit		
1/4"	6	Ea	Speed bore (spade) wood		
5/16"	8	Ea	Speed bore (spade) wood		
3/8"	6	Ea	Speed bore (spade) wood		
5/8"	10	Ea	Speed bore (spade) wood		
1"	8	Ea	Speed bore (spade) wood		
1-1/8"	8	Ea	Speed bore wood		
1-1/8"	2	Ea	Speed bore wood (grind down to exactly 1-1/16")		
1-1/4"	2	Ea	Speed bore (spade) wood		
1-1/2"	1	Ea	Speed bore (spade) wood		
1-3/4"	1	Ea	Forstner bit		
2"	1	Ea	Forstner bit		

**ROUTER BITS (CARBIDE TIP):**

Sources: lumberyards, hardware stores.

Item	Quantity		Notes	Unit price	Cost
3/8"	7	Ea	Corner round (carbide tip, be sure to have bit, arbor and bearing)		
1/2"	2	Ea	Straight face or dado (carbide tip)		
1/4"	1	Ea	Straight face or dado (carbide tip)		
1/4"	1	Ea	"V" groove (carbide tip)		

**SAWZALL BLADES (check with Tools Coordinator):**

Item	Quantity		Notes	Unit price	Cost
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Sawzall blade	6	Ea	<b>For wood.</b> 3" to 6" long, heavy duty, medium coarse for framing lumber.		
Sawzall blade	10	Ea	<b>For metal.</b> 2" to 3" long for cutting through sheet metal.		

**JIGSAW BLADES:**

For wood: 3" to 4" long, heavy duty, fast/rough/coarse, 6 teeth per inch. Check with Tools Coordinator; jigsaws

Item	Quantity		Notes	Unit price	Cost
Jigsaw blades	19	Ea			

**SCREWDRIVER BITS:**

For electric drills and screw guns.

Item	Quantity		Notes	Unit price	Cost
Screwdriver bits	100	Ea	#2 phillips head		

**CIRCULAR SAW BLADES:**

7-1/4" carbide-tipped combination blades to fit standard saws. If 20 - 30 tooth are available, get those.

Item	Quantity		Notes	Unit price	Cost
7-1/4"	30	Ea	Carbide-tipped circular saw blades		

**MISCELLANEOUS SAW BLADES:**

All power saws should have new carbide-tipped blades with at least 1 back-up in the tools trailer. Check with Tools Coordinator as to which sizes are needed.

Item	Quantity		Notes	Unit price	Cost
24 - 40 tooth	2	Ea	Carbide-tipped blades (for compound mitre saws)		
40 - 60 tooth	1	Ea	Carbide-tipped blades (for table saw)		
40 - 60 tooth	2	Ea	Carbide-tipped blades (for mitre boxes)		

**UTILITY KNIFE BLADES:**

Check with Tools Coordinator for type.

Item	Quantity		Notes	Unit price	Cost
Utility knife blades	15	Ea			

**MATERIALS SUPPLIES:**

**THREADLOCKERS**

Must be either **LOCTITE** (#271, #272, #277) or **ND Industries** (140500, 137000, 146500)

Item	Quantity		Notes	Unit price	Cost
Loctite	8	Ea	0.34 oz. Bottle		

**SANDPAPER**

Do not obtain until just before construction, as it is impossible to get sandpaper belts until you know what size sanders you will use. The sheets are standard size. Sources: lumberyards, hardware stores, woodworking shops, floor finishers.

Item	Quantity		Notes	Unit price	Cost
50 grit	10	Ea	Belts		
50 grit	170	Ea	Sheets		
Emery cloth	4	Ea	Fine		
Flap discs	5	Ea	Heavy duty 40 -60 grit		
4" cutting disc/wheel	4	Ea	For grinder		

### **LUMBER MARKING CRAYONS**

Special crayons: red, blue, or some other color that is highly visible on pressure-treated wood. Sources:

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Lumber marking crayons	15	Ea			

### **NYLON STRING (for stake-out)**

Brown twine, string, or rope is not acceptable. Must be on site and accessible for stake-out

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Nylon string	2,000	LF	1/16" to 1/8" in diameter, approximately 100 - 300 lb. test. Can be stretched very tight.		

### **DUCT TAPE**

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Duct tape	2	Ea	Silver or grey, 2" wide, coated cloth.		

### **FLAGGING TAPE**

Red, orange, or yellow. Sources: surveyors, utility companies.

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Flagging tape	2	Ea			

### **VINYL ELECTRICAL TAPE**

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Vinyl electrical tape	2	Ea	3/4" wide, for miscellaneous repairs		

### **STAPLES**

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
1/4" staples	2	Ea	To match staple gun in tools list		

### **MARKING PAINT (UPSIDE-DOWN SPRAY PAINT)**

Trig A Cap in any color except green or white, for lining grass. Have on site for stake-out. Sources: utility

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Marking paint	6	Can(s)			

### **SPRAY PAINT**

Must be on site and accessible for stake-out. Will be used to mark stakes and posts. Primary colors.

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Red spray paint	5	Can(s)			
Blue spray paint	5	Can(s)			
Yellow spray paint	4	Can(s)			

### **PAINT**

These should be top-quality 100% acrylic paints. They must meet the current CPSC regulation for lead in paint, Latex Urethane Acrylic Sealer is a water-based varnish that will be used to coat the tires. Gloss finish preferred.

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
Water-based Polyurethane	1	GAL			
Paint thinner	1	GAL			

<b>Item</b>	<b>Quantity</b>		<b>Notes</b>	<b>Unit price</b>	<b>Cost</b>
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Paint pads 7"	10	Ea	Foam pad applicators with pads (i.e., "red devil")		
Paint refill pads 7"	3	Ea	Refill pads for applicators above		
Extension pole	6	Ea	For foam pad applicators above		

### **LATEX GLOVES**

Item	Quantity		Notes	Unit price	Cost
Latex gloves	200	Pair	To be used by people sealing lumber.		

### **GARBAGE BAGS**

Item	Quantity		Notes	Unit price	Cost
Garbage bags	50	Ea	Lawn-and-garden size.		

### **CLEAR PLASTIC (POLYETHYLENE)**

For emergency rain cover. 6 mm. thickness, at least 25'x100' spread out. Trade names: Visqueen, Polytarp.

Item	Quantity		Notes	Unit price	Cost
Clear plastic (polyethylene)	2	Ea			

### **WD-40 LUBRICANT**

Item	Quantity		Notes	Unit price	Cost
WD-40 lubricant	1	Ea	10 oz. or larger spray can		

### **BAR SOAP**

100% pure bar soap. For soaping screws.

Item	Quantity		Notes	Unit price	Cost
Bar soap	15	Ea			

### **MARKING PENS**

1/8" to 1/4" nibs, waterproof, at least two different colors, on site for stake-out.

Item	Quantity		Notes	Unit price	Cost
Marking pens	8	Ea			

### **3"x5" INDEX CARDS**

Item	Quantity		Notes	Unit price	Cost
3"x5" index cards	200	Ea			

### **DUST MASKS**

Sources: lumberyards, hardware stores.

Item	Quantity		Notes	Unit price	Cost
Dust masks	300	Ea	Disposable paper masks.		

### **WOODEN STAKES (must be ready for stake-out)**

1"x2"x8" or 2"x2"x8" with one pointed end. Points should have two sloped sides, not just one. Stakes should be

Item	Quantity		Notes	Unit price	Cost
Wooden stakes	270	Ea	Used for stake-out the day before construction		