



Playground Plan Review Submittal Instructions

The State Board of Health Primary and Secondary School Regulations Washington Administrative Code 246-366-040, requires the Spokane Regional Health District (SRHD) to complete a plan review of proposed changes or modifications to any portion of a school playground. The following list of materials must be submitted for plan review to the SRHD School Program. It is recommended that proposed equipment cut-sheets be submitted for review prior to ordering the equipment.

The Environmental Health Specialist responsible for your school will review the submitted materials. A site visit may be required as part of the review process. After plan review is completed and the equipment has been installed, a final pre-occupancy inspection will be required prior to commissioning the playground. The fee for plan review, site visits and pre-occupancy inspections will be billed at the hourly rate listed in SRHD's fee schedule. Contact the SRHD School Program at 324-1560, ext. 4 for further information.

The Playground Plan Review Packet includes:

- Playground Plan Review Submittal Instructions (this sheet)
- Playground Plan Review Information Form
- Playground Plan Review Example School Playground Layout Plan

To initiate the plan review process, please submit the following information:

1. Completed "SRHD Playground Plan Review Information Form".
2. An overhead drawing or footprint plan showing the proposed playground equipment layout with the following information (refer to Example School Playground Layout Plan):
 - Show the containment border for all surfacing material under the playground equipment.
 - Show the location of fences, trees, buildings, concrete, asphalt, and septic system drain fields.
 - Provide a directional arrow to show true north.
 - Show the locations of all existing playground equipment.
 - Show all the equipment to be installed. Note activities that will be attached to composite (multi-activity) structures.
 - Show the use zone around each piece of equipment. Show the distances between each piece of equipment (existing and new) and from equipment to the containment border using arrows. If drawn to scale, indicate scale on drawing.
 - Show the distance of the slide use exit zone from the end of the slide and also the length of the flat exit region at the end of the slide bed (11 inches long minimum length, 0 to -4 degree slope). The slide exit use zone is equal to the height of the slide and measured out from the end of the slide bed, but may not be less than 6 feet and does not need to be greater than 8 feet.
 - Show the heights of all decks or platforms for each piece of equipment. Indicate whether platforms have guardrails or barriers.
 - Show the heights of all balance beams, spring toys, seesaws or other equipment less than 30 inches in height. The maximum allowable height for balance beams is 12 inches for 2 to 5 year year-olds and 16 inches for 5 to 12 year olds.
 - Show the heights of all upper body equipment (arch climbers, overhead ladders, etc.). The maximum allowable height is 84 inches for 5 to 12 year olds and 60 inches for 2 to 5 year olds.
 - Show the handle height for track rides. The allowable handle height is 64 to 78 inches.
 - Show the heights of all swing structures. To-and-fro swings are measured from the ground to pivot point; tire swings are measured from the seat to pivot point.

3. Cut sheets from the manufacturer with a picture of each new piece of equipment including design specifications.
4. A letter from the manufacturer or representative stating that the specific equipment being purchased meets or exceeds the standards in the current American Society for Testing and Materials Standard Consumer Safety Performance Specification for Playground Equipment for Public Use (*ASTM F 1487-07aE1*) and U.S. Consumer Product Safety Commission (CPSC) Public Playground Safety Handbook (November 2010).
5. If equipment pieces are located closer than the minimum use zones specified in the CPSC and ASTM standards, provide a letter from the manufacturer stating the equipment is designed to be installed in this configuration (i.e. 'functionally linked').

Mailing address:

Spokane Regional Health District
Environmental Public Health Division
1101 W. College Ave., Ste. 402
Spokane, WA 99201-2095
Phone number: 324-1560, (ext. 4).



Playground Plan Review information Form

Project Information:

School name:			
School address:			
Name of person responsible for project:		Position:	
Address:		Phone number:	
Email:		Fax number:	
<i>Billing information (Standard hourly rate for plan review, site and pre-occupancy inspections)</i>			
Name of person to receive billing:		Phone number:	
Address:			
Equipment manufacturer:		Phone number:	
Manufacturer's representative:		Phone number:	
Equipment installer:		Phone number:	
Estimated start date:		Estimated completion date:	

Surfacing Information:

What type of surfaces will be installed?	<input type="checkbox"/> unitary synthetic materials* <input type="checkbox"/> engineered wood fiber* <input type="checkbox"/> gravel <input type="checkbox"/> sand <input type="checkbox"/> wood chips <input type="checkbox"/> shredded tires <input type="checkbox"/> shredded bark <i>*ADA accessible surfacing materials</i>
What size of materials will be used?	<input type="checkbox"/> fine <input type="checkbox"/> medium <input type="checkbox"/> coarse <input type="checkbox"/> not applicable
How deep will the materials be?	_____ inches

If installing unitary material, provide a copy of the test data from the manufacturer identifying the Critical Height of the material. Refer to U.S. Consumer Product Safety Commission Handbook for Public Playground Safety section 4, Table 1 (page 5) for information on recommended depths and Appendix C (page 38) for summary characteristics of various types of surfacing materials.

Site Design Information:

What is the intended user age group for the playground?	<input type="checkbox"/> 2–5 years (preschool) <input type="checkbox"/> 5–12 years school age)
If the playground contains equipment for both user age groups, is there a distance separating the two areas?	<input type="checkbox"/> yes <input type="checkbox"/> no
Will signs be posted indicating the appropriate age of the users?	<input type="checkbox"/> yes <input type="checkbox"/> no
Is the playground fenced and separated from traffic?	<input type="checkbox"/> yes <input type="checkbox"/> no
Are the barriers and landscaping designed so they will allow observation of the users by supervisors?	<input type="checkbox"/> yes <input type="checkbox"/> no
Is the sight level and well-drained?	<input type="checkbox"/> yes <input type="checkbox"/> no
Is there a septic system located on the school grounds? <i>(If yes, the playground should not be located over the drainfield. Please show drainfield location on playground footprint plan.)</i>	<input type="checkbox"/> yes <input type="checkbox"/> no

Equipment Design Information:

If installing fulcrum seesaws, will there be padding under the seats to help prevent arms and legs from being crushed between the seat and the ground?	<input type="checkbox"/> yes <input type="checkbox"/> no
What is the seesaw height (distance between the maximum attainable height and the ground)?	_____ inches
Slide bed exit region length (portion parallel to ground)	_____ inches
Does the slide layout meet the minimum CPSC slide exit use zone (minimum 6', maximum 8')?	<input type="checkbox"/> yes <input type="checkbox"/> no
Does the slide layout meet the minimum ASTM slide exit use zone (height of slide, measured from end of slide)?	<input type="checkbox"/> yes <input type="checkbox"/> no

Guy wires, power lines, and tree limbs should be at least 7 feet above the playground surface.

Installed Equipment Heights:

To-and-fro Swings (ground to pivot height):	_____ inches
Tire swings (seat to pivot height):	_____ inches
Upper body equipment (maximum height of equipment):	_____ inches
Spring toys (seat or highest designated play surface height):	_____ inches
Balance beams:	_____ inches
Track rides (handle height above ground):	_____ inches

Equipment not recommended for pre-school children (2–5 years old):

- Chain or cable walks
- Free standing arch climbers
- Free standing climbing events with flexible components
- Fulcrum seesaws, unless they are spring centering
- Log rolls
- Long spiral slides (more than one turn ~ 360°)
- Overhead rings
- Parallel bars
- Track rides
- Vertical sliding poles
- Swinging gates

Equipment not recommended for public playgrounds:

- Animal figure swings
- Climbing ropes not secured at both ends
- Giant strides
- Multiple occupancy swings
- Rope swings
- Swinging dual exercise rings and trapeze bars
- Swinging gates
- Trampolines

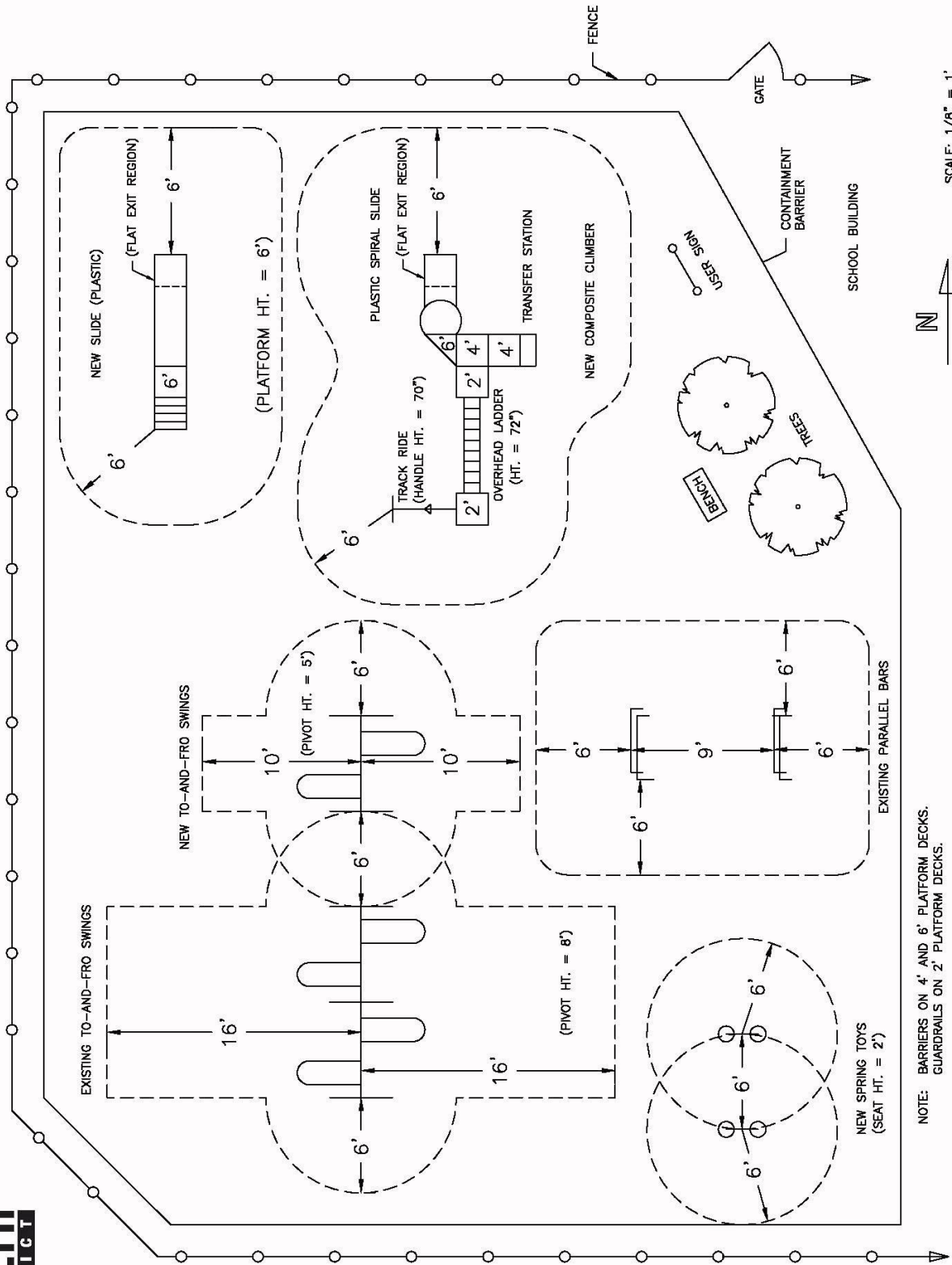
Equipment Layout:

Refer to CPSC Section 2.2, page 5 for guidance in the layout and design of playgrounds. Consider the following recommendations when designing the layout:

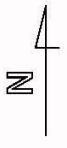
- Locate ADA transfer stations near school entrances to minimize travel distance.
- Add extra circulation zones to the minimum required use zones to reduce congestion.
- Locate active, physical activities in a separate area from more passive or quiet activities. Popular, heavy use equipment should be dispersed to avoid crowding in any one area.
- Locate slide exits and moving equipment such as swings and merry-go-rounds at the edge or corners of the playground.
- Locate composite structures such that the play and traffic patterns around adjacent components are complementary.



EXAMPLE SCHOOL PLAYGROUND LAYOUT PLAN
 (INTENDED ONLY TO DEMONSTRATE TYPE OF INFORMATION REQUIRED ON PLAN)



SCALE: 1/8" = 1'



NOTE: BARRIERS ON 4' AND 6' PLATFORM DECKS.
 GUARDRAILS ON 2' PLATFORM DECKS.