USE OF RECYCLED CONTENT PRODUCTS

All City of Seattle Departments are required to comply with the Seattle Municipal Code 3.38.900, where practicable. The term "practicable" shall mean:

1. The recycled content product is not available with the specified recycled content, or;
2. The recycled content product is 10% more expensive than the equivalent in non-recycled form.

Attached herewith is a compilation of items that were included in the project manual for construction of new community centers. The Consultant shall incorporate these items in an expanded 2004 CSI standard three-part specification as appropriate.

DIVISION 01 - PRE-BID INFORMATION

RECYCLING:

A. All bidders are hereby advised that this project will be requiring a pro-active recycling participation for waste disposal and use of material with recycled content. Upon award, each subcontractor shall be required to complete a disposal questionnaire and make a diligent effort to recycle materials where economically feasible. All Contractors are encouraged to participate in the recycling program. Submit completed "Recycled Product Information Certification Form" at the pre-construction meeting. A copy of the Certification Form (Exhibit A) follows this section.

B. Definitions:

1. The term "Recyclable Product" means a product or package made from a material for which curbside or drop-off collection systems are in place for a majority of City residents and/or businesses, to divert from City solid waste for use as a raw material in the manufacture of another product or the reuse of the same product.
2. The term "Recyclable Product" means a product containing a minimum of 25% * recycled materials, except in those cases where the U.S. Environmental Protection Agency has adopted procurement guidelines under the Resource Conservation and Recovery Act of 1976 (Public Law 94-580, 42 U.S.C. Section 6901 et. seq.). In those cases, the minimum content of recycled material shall not be less than specified in the most current, adopted issue of those guidelines. (* The percentage of recycled material shall be as recommended by the product manufacturer, so as not to alter or compromise the quality and performance of the final product).

3. The term "Recycled Materials" means post-consumer waste and/or secondary waste that has been recovered or diverted from solid waste and that can be utilized in place of a raw or virgin material in manufacturing a product.

DIVISION 03 - CONCRETE WORK

ADMIXTURES - 25% minimum fly ash will be used in all mix designs. Fly Ash: ASTM C 618, Type F.

CONCRETE MIX - Fly ash content shall be a minimum of 25% weight of the total cementitious material. Fly Ash: ASTM C 618, Type F.

DIVISION 07 - INSULATION

MANUFACTURERS INSULATION MATERIALS

A. Manville: Products used must contain a minimum of 25% recycled material.

MATERIALS:

A. Mineral Fiber Batt or Blanket Insulation: ASTM C665; preformed glass fiber batt or roll; friction fit, to the thickness needed to meet the R values shown on the drawings and as required by code.

DIVISION 07 - FLAT ROOFING SYSTEMS

MATERIALS:

A. Insulation: Rigid roof insulation, meeting R-38; provide polyisocyanurate boards of 25% minimum recycled content with perlite cover surface, or as approved by the manufacturer of the roofing material. Provide tapered material for cricket construction.

DIVISION 09 - GYPSUM BOARD SYSTEMS

ACCEPTABLE MANUFACTURERS – GYPSUM BOARD PRODUCTS:

A. Gypsum Board products must contain a minimum of 10% recycled content gypsum in core and 100% recycled content paper backing.

1. U.S. Gypsum
2. Domtar Gypsum Co.
3. Gold Bond Building Products Division, National Gypsum Co.
4. Celotex
5. Substitutions as approved by Architect

CERAMIC TILE:

A. Ceramic Tile: Stoneware Tile Co., "Traffic Tile" or approved - tiles to contain minimum 50% recycled content material

B. Use low toxic adhesive:

1. Use low toxic, low VOC, solvent free tile adhesive, approved by manufacturer of selected tile, from one of the following suppliers: AFM Safecoat, 3-1 Adhesive, Advanced Adhesive Technology, Inc., Chicago Adhesive Products Co., Capitol Adhesives, or approved.

CEILING TILES:

A. Ceiling tiles shall contain a minimum of 50% documented recycled material.

ACOUSTIC UNIT MATERIALS:

A. Acoustic Panels: Conforming to the following:

Composition: Mineral Fiber. All acoustic panels must contain a minimum of 50% recycled material.

SHEET FLOORING:

A. Sheet Goods:

1. Rubber Flooring: NORA Eocplan Vario, Ph. (800) 332-NORA, or approved equal. Minimum 50% recycled content material.

ACOUSTICAL INSULATION MATERIALS:

A. Sound Control Insulation: Unfaced, spun mineral fiber or glass fiber mat; width to suit condition of installation; "R" value of 11; and shall contain a minimum of 25% recycled material.

DIVISION 10 - TOILET COMPARTMENTS & CUBICLES

TOILET PARTITIONS:

A. Santana Products POLY-MAR HD or approved, 1" solid plastic. Colors of compartments and screens shall be selected by Architect from manufacturer's standard colors.

LAVATORY COUNTER TOPS, BACKSPLASH & SKIRT:

A. Santana Products POLY-MAR HF, or approved, 1" solid plastic. Colors as selected by Architect.

LOCKERS ROOM BENCHES:

A. Manufacturer: Santana Products, Inc.
Product: 1-3/8" thick POLY-MAR HD seamless one piece solid plastic.

SECTION 31 - EARTHWORK

FILL MATERIALS

Recycled Portland Cement Concrete rubble may be used as a backfill in some areas with approval 7 days in advance from the Soils Engineer. Fill material shall be 90% recycled Portland cement concrete rubble and 10% glass cullet. The Soils Engineer shall evaluate and/or test proposed imported material for its conformance with specifications prior to delivery to the site. The Contractor shall notify the Soils Engineer 72 hours prior to importing fill to the site. Rocks larger than three inches shall be removed from the site.

SECTION 32 - ASPHALT PAVING

GENERAL:

A. All aggregate based material shall be crushed from reclaimed concrete materials and screened to meet the required specifications. A sample of the material and supplier's certified testing report shall be submitted for the Engineer's review 14 days prior to use.

HOT MIX ASPHALT (HMA) - Top Coarse Aggregate:

A. All asphalt concrete material shall contain a percentage of recycled material. The percentage of recycled material shall be as recommended by the producer of the product, so as not to alter or compromise the quality and performance of the final product. The minimum requirement will be 25% of recycled asphalt concrete material.

PLAY AREA SAFETY SURFACING:

A. General: Play areas indicated to receive play surfacing (engineered wood safety surfacing and synthetic safety surfacing) shall be located to depth as shown on drawings. Do not damage or disturb the side of trenches or permit any existing site soil to mix with the product.

B. Engineered Wood Safety Surfacing:

Recommended Manufacturers:

1. "Fibar System" - as manufactured by Robert Godfrey, Ltd.
2. "Wood Carpet" - as manufactured by Zeager Brothers, Inc. Innovative products form renewable resources.

3. "Sof' Fall" - as manufactured by Sof' Fall, Inc.

Recommended Sources:

1. For "Fibar"
   Site Lines Park & Playground Products
   626 – 128th Street SW, Suite 104A
   Everett, WA 98204, Ph. 425-355-5655, Ext. 24
   or 1-800-235-2440, Fax: 425-347-3056
   E-mail – www.sitelinesonline.com
2. For "Woodcarpet"
   Northwest Recreation
   P.O. Box 608
   Tualatin, OR 97062, Ph. 509-925-4926
   or 1-800-448-4858, Fax: 509-925-4939
   E-mail – ccarlson18@hotmail.com
   or
   Playscapes Northwest
   7414 – 86th Avenue NW
   Gig Harbor, WA 98335, Ph. 253-851-5427
   or 1-800-982-1484, Fax: 253-858-5398
   E-mail – www.playscapesnw.com
3. For "Sof' Fall"
   Recreation Resource
   P.O. Box 4508
   Salem, OR 97302, Ph. 503-585-5777
   or 1-800-635-2525, Fax: 503-581-7863
   E-mail – jack_dalton@funlsi.com
   or
   Playscapes Northwest
   7414 – 86th Avenue NW
   Gig Harbor, WA 98335, Ph. 253-851-5427
   or 1-800-982-1484 Fax: 253-858-5398
   E-mail – www.playscapesnw.com

C. Synthetic Safety Surfacing:

A. The material shall be rubber or rubber like with maximum utilization of recycled material.

Recommended Manufacturers:

1. Poured in place systems:
   a. *"Vitriturf"* as manufactured by: Vitricon, Inc., 65 Davids Drive, Hauppauge, New York 11788. Ph. 1-800-777-6596
2. Tile systems:
   a. *"Playguard"* as manufactured by: Carlisle Tire & Rubber Company, P.O. Box 99, Carlisle, Pennsylvania 17013. Ph. 800-827-1001.
   b. *"Ruff House"* as manufactured by: Connor Aga Sports Flooring Corporation, 251 Industrial Park Road, Amasa, Michigan 99030. Ph. 800-833-7144. Local supplier: Boorkman Associates, 545 108th Avenue NE, Suite 5, Bellevue, WA 98004. Ph. 425-455-1429.

c. *"Safety Tiles"* as manufactured by: Dinoflex Manufacturing, Ltd. Salmon Arm, British Columbia, Canada. Ph. 604-832-7780. Local supplier: Sitelines Park and Playground Products, Lynnwood, WA 98036. Ph. 425-775-6822.

d. *"Security Blanket"* as manufactured by: Playfield Industries, Inc., Williamsville, New York 14231, Ph. 800-263-5750.

e. *"Play Bound"* as manufactured by: Surface American, Inc., P.O. Box 157, Williamsville, New York 14231. Ph. 800-999-0555

D. Wear Mats:

A. All wear mats shall be per manufacturer's specifications and recommendations. They shall also be made from recycled materials to the greatest extent possible.

Recommended Manufacturers:

1. "Dynacushion Play Mats", or approved equal.

LANDSCAPE PLANTING:

A. Fertile Mulch, Arborist's Wood Chip Mulch, Bark Mulch, Playfield Soil, Planting Soil, and Organic Amendments & Fertilizers. (Refer to SPR Standard Specification Section 32 90 00 - Soil Preparation).

END OF SECTION