NOTE TO CONSULTANTS: Edit with Track Changes turned on, any text in this section that appears in bold and italics then turn off the bold and italics for the final approved version. This specification section also needs to be edited and modified to reflect the specific design of the site and type of site furnishings chosen for your project (Remove this Note).

PART 1 – GENERAL

1.01 Description of Work included shall include but not be limited to the following list.

A. Provide all labor, materials and equipment necessary to supply and install the following Site Furnishings:

1. Basketball Goals
2. Bollards
3. Bike Racks
4. Benches
5 Picnic Tables
6. BBQ Grills
7. Trash Receptacles

1.02 Related Sections:

Section 03 30 00 - Cast-in-Place Concrete
Section 31 00 00 - Earthwork

1.03 Quality Assurance:

A. Manufacturer's Instructions: Adhere to manufacturer's instructions for product handling, assembly, installation, and maintenance.

B. Manufacturer’s original factory finish must be intact for the installation of the furnishing to be considered satisfactory. On-site touch-up will not be accepted.

1.04 Submittals: For each Product Specified, submit the following for approval prior to delivery:

A. Manufacturer's product data.

B. Manufacturer's installation instructions.

PART 2 - PRODUCTS

2.01 General:

A. Comply with SPR Standard Specifications and Manufacturer's recommendations at all times. Where these may be in conflict, the more stringent requirements shall prevail.

B. All products shall be supplied as specified, or approved equal. Refer to Division 1 Specifications for Product Substitution requirements.

2.02 Basketball Standards and Goal Assemblies:

A. ***<u>Regular Heavy Duty (Generic) Basketball Goals</u> shall be one of the following choices:***

1. ***<u>The Gooseneck Single Pole Model OD1a</u>, heavy-duty 4-1/2" O.D. galvanized steel pole with 4' extension arm, with braces, direct buried or set in a galvanized steel sleeve in a 4'-6" deep by 3' wide concrete footing. Model #1302SB, 42"x 72", 12 gauge, white powder-coated steel backboard with orange shooter' square, "Roughneck" Model #SD4-EW rim and Model #NN1 white nylon net. All components are manufactured by BPI (Basketball Products International), Inc., Jefferson, IA.***
2. ***<u>The Mega Duty Model PR77 Gooseneck System</u>, with 5-9/16" galvanized steel pole with 6' extension arm direct buried or set in a galvanized steel sleeve in a 4'-6" deep by 3' wide concrete footing. A rectangular 42"x 60", 12 gauge, white powder-coated steel backboard with orange shooter's square, Model BA39U Double Rim Ultimate Goal and white nylon net. All components are manufactured by Bison, Inc., Lincoln, NE.***
3. ***<u>The Single Gooseneck Post Model #1527-25-45</u>, heavy-duty 5-9/16" O.D. galvanized steel pole with 6' extension arm, with braces, direct buried or set in a galvanized steel sleeve in a 4'-6" deep by3' wide concrete footing. Model 25, 48"x 72", 12 gauge, white powder-coated steel backboard with orange shooter' square, Model 45, heavy-duty double rim with super nylon net. All components are manufactured by PW Athletic Company, Mesa, AZ.***
4. ***Or, approved equal.***

B. ***<u>Extra Heavy Duty (Premium) Basketball Goals</u> shall be one of the following choices:***

1. ***<u>BPI "The Enforcer" Model OD658</u>, heavy duty 6-5/8" O.D. galvanized steel pole standard with 6' extension arm, direct buried or set in a galvanized steel sleeve in a 4'-6" deep by 3' wide concrete footing. Model #1302SB, 12 gauge, white powder-coated steel backboard, 42" x 72", orange markings at target area only, "Roughneck" Model #SD4-EW goal and Model NN1 white nylon net. All components are manufactured by BPI (Basketball Products International), Inc., Jefferson, IA.***
2. ***<u>BPI "The Dominator" Model OD6 System</u>, heavy duty 6" Black powder coated square steel pole standard with 4' extension arm, direct buried or set in a galvanized steel sleeve in a 4'-6" deep by 3' wide concrete footing. Model #1302SB, 42" x 72", white powder-coated 12 gauge, steel backboard with orange shooter' square, "Roughneck" Model #SD4-EW goal and Model NN1 white nylon net. All components are manufactured by BPI (Basketball Products International), Inc., Jefferson, IA.***

3. ***Bison "The Ultimate" System Model BA871-BK, fixed height heavy duty standard with black powder-coated 6" square x 3/16" thick steel pole and 5' extension arm, or Model BA871A-GV Weather-Proof, fixed height standard with galvanized 6" square x 3/16" thick steel pole and 5' extension arm, or Model BA872, Double-Sided, fixed height standard with 6" square x 3/16" thick steel pole and 5' extension arms for back-to-back court configurations, direct buried or set in a galvanized steel sleeve in a 4'-6" deep by 3' wide concrete footing, 42" x 60", 12 gauge, white powder-coated steel backboard with orange shooter's square, Model BA39U Ultimate goal and white nylon net. All components are manufactured by Bison, Inc., Lincoln, NE.***
4. ***Goalsetter "The GS MAX", "GS Double MAX" or "GS MAX Galvanized" Models MX61060S2 & MX62560S2 (double-sided), fixed height heavy duty standard with black powder-coated or galvanized 6" square pole with 5' extension arm(s), direct buried or set in a galvanized steel sleeve in a 4'-6" deep by 3' wide concrete footing, 42" x 60", 12 gauge, white powder-coated steel backboard(s) with orange shooter's square(s), Double Ring Static goal(s) and white nylon net(s). All components are manufactured by Goalsetter Systems, Inc., Pella, IA.***
5. ***Or, approved equal.***

2.02 Bollards:

A. ***Removable Bollards shall be one of the following choices:***

1. ***SPR "Generic" Removable Bollard shall consist of three pieces including a ground-sleeve with chained locking cover, sleeve and removable pipe-bollard with handle. This bollard shall be all-steel construction, fabricated of schedule 40 steel pipe, ¼" steel plate, ½" steel rod, and ¼" galvanized mild steel straight chain. All parts shall be hot-dipped galvanized after fabrication. Manufactured by FairWeather, Inc., Port Orchard, WA.***
1. ***"Historic or Olmsted Removable Bollard" shall be a 'San Francisco' removable bollard, consisting of a 4" diameter x 36" height; cast aluminum bollard with powder-coated finish, sleeve and locking mechanism, as manufactured by Urban Accessories, Inc., Snohomish, WA.***
2. ***Or, approved equal.***

B. ***Fixed Bollards shall be one of the following choices:***

1. ***SPR "Generic" Fixed Bollard (for litter receptacle attachment) shall consist of a one-piece 3-1/2" diameter schedule 40 galvanized steel pipe with cap on one end, 4' in length with a ½" eye bolt welded to the bollard 6" from the capped, top end, set in an 18"x18"x15' depth concrete footing with 2'-6'' above finish grades. All parts shall be hot-dipped galvanized after fabrication. Manufactured by FairWeather, Inc., Port Orchard, WA.***
2. ***SPR "Generic" Fixed Bollard (for use as a vehicle barrier) shall consist of a one-piece 6" diameter schedule 40 galvanized steel pipe with cap on one end, 4' in length, set in an 18"x18"x15' depth concrete footing with 2'-6''***

above finish grades. All parts shall be hot-dipped galvanized after fabrication. Manufactured by FairWeather, Inc., Port Orchard, WA.

3. Or, approved equal.

2.03 Bike Racks:

A. <u>Bicycle Racks</u> shall be one of the following choices:

1. "<u>The Expo Rack" 'W'Series Rack</u>, by Cora Bike Rack, Inc.. This rack comes in various sizes for from between 4 and 10 bicycles, is made of heavy gauge steel pipe, comes in a variety of finishes including; stainless steel, galvanized steel or powder coated steel in various colors (black or dark green are SPR's Standard colors), and bolt down model only shall be used.

2. "<u>The Ribbon Rack" Model BR-1</u>, by Fairweather, Inc., Site Furnishings & Accessories, Port Orchard, WA, Ph. 800-323-1798, or 360-895-2626, and distributed by SiteLines, Park & Playground Products, Everett, WA, Ph. 800-235-2440. This rack comes in various sizes for from 5 to 13 bicycles and is made of 2" schedule 40 steel pipe, comes in a variety of finishes including galvanized or powder coated in various colors (black or dark green are SPR's Standard colors), and can be bolted down or direct burial installed.

3. "<u>The Saddleback Rack" Model SRE or SRP/G3 thru G13</u>, by Pilot Rock Park Equipment,. This rack comes in various sizes for from 3 to 13 bicycles and is made of 2-3/8" O.D. schedule 40 pipe, comes in galvanized steel and can be bolted down or direct burial installed.

4. "<u>The Thunderbolt Rack" Thor-Rax Bicycle Rack, Model TB3 thru TB13</u>, by Creative Pipe, Inc., Portland, OR, Ph. 800-644-8467. This rack comes in various sizes for from 3 to 13 bicycles and is made of 2-3/8" O.D. schedule 40 pipe, comes in a variety of finishes including; galvanized steel or optional powder coated steel in various colors (black or dark green are SPR's standard colors), and can be bolted down or direct burial installed.

5. Or, approved equal.

2.04 Benches:

A. <u>Benches</u> shall be one of the following choices:

1. <u>SPR "Generic" Pipe Frame Bench</u>", is the <u>GameTime Model #338</u> (pipe frame only), shall be constructed of two direct burial 2-3/8" O.D., galvanized, schedule 40 steel pipe leg assemblies supporting 6'-0" lengths of 2x4 clear Douglas Fir (purchased separately), with 3 boards per seat deck and back. All connecting hardware shall be galvanized. Cut off all bolt ends flush with the nuts for those that protrude more than two threads beyond the nut.

2. Or, approved equal.

B. <u>Optional Bench Styles</u> shall be selected from the following list, but all benches shall be consistent within a park:

1. ***Keystone Ridge Pullman Series, Models #P16 (w/o back), #P-26 (with back), or #P26C (with middle armrest). Color choices: black or dark green.***
2. ***DuMor Bench 93 (backless) and Bench 95 (with back). Color choices: black or dark green.***
3. ***Fairweather Plaza Series, Model #PL-1.3 (backless) or #PL-3 (with back). Color choices: black or dark green.***
4. ***Creative Pipe Mirage Series, Model #MRBB-FB. Color choices: black or dark green.***
5. ***Timberform Renaissance Series, Models #2802-6 (backless), #2806-6 (with back) or #2609-7 (7" w/middle armrest). Color choices: black or dark green.***
6. ***Timberform Restoration Series, Models #2118-6 (6' with 2 armrests & back), #2119-8 (8' with 3 armrests & back), or #2123-6 (6' backless). Color choices: powder-coated black, with Alaska yellow cedar or powder-coated metal slats.***
7. ***Victor Stanley Classic Series, Model #C-138 (with back). Color choices: black powder-coated, wood with ductile iron frames.***

C. "Historic" Bench Options shall be selected from the following list, but all benches shall be consistent within a park:

1. ***"Olmsted" Lake Washington Boulevard Wood and Concrete Bench, custom fabricated.***
2. ***1939 New York World's Fair Bench Model #6737. Color choices: black or dark green, Drylak RAL color 6012 (touch up is Benjamin Moore standard color Black Forest Green), supplied by Kenneth Lynch & Sons, Wilton, CT.***
3. ***Central Park Settee Model No. 6735. Color choices: black or dark green, Drylak RAL color 6012 (touch up is Benjamin Moore standard color Black Forest Green), supplied by Kenneth Lynch & Sons, Wilton, CT.***

D. Or, approved equals.

2.05 Picnic Tables (Portable & Fixed):

A. Portable Picnic Tables shall be one of the following choices:

1. ***Pilot Rock Park Equipment WT Series, Model #XT/G-6UP (standard table) and Model #XTH (ADA compliant table).***
2. ***Kay Park Recreation, J2 Series, Model #6J2GW (standard table) and Model #8J2G-EWG (ADA compliant table).***
3. ***Or, approved equal.***

Note: Portable table frames shall be constructed of a minimum of 2 3/8" O.D., schedule 40 steel pipe and are hot-dipped galvanized after fabrication. All wood members shall be of untreated 2x10 dimensional stock, S4S, kiln dried Douglas Fir, select-structural or better grade. Provide 3/8" radius/chamfer on all outer

edges. All metal parts and fasteners shall be hot-dipped galvanized. Metal parts shall not be painted. All picnic tables shall be installed on concrete pads that are at least one foot larger than the table in all directions to facilitate mowing around the table. At least one galvanized eye bolt shall be set into the concrete slab for each table, to facilitate locking the table in place. The pads under ADA compliant tables shall be at least one foot larger than the table on three sides and at least 44" beyond the edge of the table top extension. At least 1 out of every 3 tables shall be ADA compliant with paved surfaces provided from the table slab to the nearest ADA compliant paved pathway.

B. Fixed Picnic Tables shall be one of the following choices:

1. ***SiteLines, Inc., "Monster Table" fixed square table, (4 seats normal, 3 seats for ADA style).***
2. ***Fairweather, Inc., "Goliath Table" Model GF-1, fixed square table, (4 seats normal, 3 seats for ADA style). This table is manufactured by FairWeather, Inc., Port Orchard, WA.***
3. ***Or, approved equal.***

Note: Fixed table frames shall be constructed of a fully welded frame with all edges ground smooth prior to galvanizing. The center post shall be .180 wall x 8" square tube, the seat arm shall be .180 wall x 4" square tube, the seat arm brace shall be .120 wall x 1-1/2" square tube, the seat frame shall be 1/4"x4x4 angle and 4" square tube, and the table frame shall be 3/8"x2x2 angle. The frame shall be hot dipped galvanized after fabrication. Metal parts shall not be painted. Assembly hardware shall be 3/8"x 2-1/2" galvanized lag bolts. The wood seats and top shall be untreated, clear mixed grain Douglas Fir, nominal 3x12 boards (2-1/2"x11-1/4" actual size), with all outside edges eased with a 1/2" chamfer. All picnic tables shall be installed with 24" diameter x 30" depth concrete footings and be set on concrete pads that are at least 8'-0"x 8'-0" square, 9' diameter round, or be installed as part of a paved plaza area with at least 1 out of every 3 tables being ADA compliant with one seat removed.

C. Fixed Metal Picnic Tables shall be one of the following choices:

The Optional metal tables can be specified when the designer intends to match the metal tables to other metal site furnishings such as benches, trash receptacles, etc., on the site.

1. ***FairWeather, Model F-7, fixed square table, (4 seats normal, 3 seats for ADA style). This table is manufactured by FairWeather, Inc., Port Orchard, WA.***
2. ***FairWeather, Model F-8, fixed rectangular table, (4 seats normal, 3 seats for ADA style). This table is manufactured by FairWeather, Inc., Port Orchard, WA.***
3. ***Or, approved equal.***

***Note**: Optional fixed metal table frames shall be constructed of a fully welded steel frame that is at least .120 or schedule 40 thicknesses and shall conform to ASTM A36 and shall be wheel abraded prior to fabrication. All metal components shall be cleaned, treated and sealed prior to powder coating. Coating shall be at least 4 mils thick on all surfaces. Standard color is Black but Hot Dipped Galvanized finish is acceptable. All assembly hardware shall be stainless steel, tamper-resistant, and shall include washers as required. All picnic tables shall be either permanently embedded with concrete footings or surface mounted with anchor bolts set on concrete pads that are at least 1 foot larger than the table and seats on all sides or installed as part of a paved plaza area with at least 1 out of every 3 tables being ADA compliant with one seat removed or have an extended top for the rectangular version. All footings or anchor bolts shall be done by the installer and shall be installed as specified by a structural engineer (the Consultant).*

2.06 BBQ Grills:

A. BBQ Grill shall be:

1. Pilot Rock Premier Park Grill (Model A-20 B2 Series) infinitely adjustable, cantilever grate design with double reinforced firebox and theft-proof base attachment. A permanent post base for embedding in concrete slab and footing is standard. An optional portable disc base is available for bolt-down installation if slab exists. Painted black heat resistant enamel finish is standard. The firebox shall rotate 360 degrees and a slab shall be installed under and around the grill with a minimum of 48" clear in all directions. A minimum clearance of 27" shall be maintained between the finished grade and the bottom of the firebox. Optional utility shelf and King-size, double grill shall also be considered for some installations.

2. Or, approved equal.

2.07 Trash Receptacles:

A. Generic Trash Receptacle shall be:

1. Pilot Rock Federal-Duty (Model CN/G-9738C), hot-dipped galvanized 32 gallon can with Pilot Rock (Model CN/G-9768 Dome Hatch Lid). These receptacles shall generally be painted dark green after galvanizing. The painting process required shall include: a copper sulfate wash of the galvanized surfaces, then application one coat of a galvanize primer and two coats of Dark Green paint. (Note: SPR purchases this can via vendor contract and will usually provide it to the project).

2. Generic Recycled Plastic Trash Receptacle, 40 Gallon capacity can with recycled plastic dome lid equal to Rubbermaid Model #2647, smoky gray in color, with SPR logo embossed on the can, as manufactured and distributed locally by Wishbone Industries, LTD, Langley, BC. (Note: SPR purchases this can via vendor contract and will usually provide it to the project).

3. Or, approved equal.

B. Other <u>Optional</u> Choices:

1. ***<u>Victor Stanley "Ironsides" (Model #SD-42-S2)</u>, with side door and domed lid, as manufactured by Victor Stanley Inc., Dunkirk, Md., represented locally by ParkForms, Inc., Portland, OR. Color choices: undercoated and powder-coated black.***
2. ***<u>Creative Pipe, Inc., Cascadia, CCT Series, Model #CCT-FBS-32-FS-G-DT-SD</u>, with side door and domed lid, as manufactured by Creative Pipe, Inc. Color choices: undercoated and powder coated black.***
3. ***<u>Urban Accessories Model #RR55</u>, with side door and domed lid, as manufactured by Urban Accessories, Inc. Color choices: black or hot-dipped galvanized finish.***
4. ***<u>Fairweather "Plaza" Series (Model TR-12)</u>, with side door and small domed lid, as manufactured by Fairweather Site Furnishings & Accessories. Finish and color: Undercoating shall be 3-M ScotchKote 134 Fusion Bonded Epoxy, for corrosion resistance, or approved equal. Final finish shall be a TGIC type polyester powder coat, and shall be baked on to a thickness of 4-6 mils thick. Color shall be black***
5. ***Or, approved equal.***

2.08 Other Furnishings Installation Materials: Other materials required for product installation which may not be supplied or shipped by the manufacturer or otherwise specified for fabricated items include the following;

A. <u>Concrete for Direct Burial Footings</u>: Concrete for direct burial post footings shall conform to the City of Seattle Standard Specifications for Road, Bridge, and Municipal Construction (most recent edition), and shall be Class "C" concrete.

B. <u>Anchoring Devices for Bolt-down, Surface Installation</u>: Where the manufacturer does not provide a specification for anchoring, use only approved stainless steel wedge anchors as follows;

1. Size to the largest standard diameter that the manufacturer's pre-made hole will accommodate without force, typically 5/8".
2. Size to ¾ of the actual depth of concrete to support the installation. Use 2¾" length on standard concrete flatwork.

PART 3 - EXECUTION

3.01 Examination: Verify installation conditions as satisfactory to receive work of this Section. Do not install until unsatisfactory conditions are corrected. Beginning work constitutes acceptance of conditions as satisfactory.

3.02 Direct Burial Installations:

A. All below-grade steel components scheduled for direct burial installation shall be coated in an approved manner prior to installation, typically either factory powder coating or hot-dipped galvanized.

B. Provide footing excavations sized per measured plans provided with the Contract Drawings, manufacturers printed assembly and installation instructions, or as directed by the Engineer, typically 12” diameter x 18” depth for most installations under 100 lbs/footing.

C. Coring and Saw-cutting:

1. All products scheduled for direct burial installation within new paved areas are to be installed prior to paving.
2. In the event that paving is installed prior to site furnishings scheduled for direct burial installation, saw-cutting will not be approved as a means of penetrating pavements. Coring, to the specified size of the footing, is the only method that may be considered.
3. Do not core completed work of the Contract to accomplish product installation without prior approval of the Engineer.
4. Where site furnishings are scheduled for installation in existing pavement of any type or where the Engineer has approved coring of pavement installed as part of the work of the Contract, the Contractor shall insure an adequate supply of clean water and continuously flush and clean cuttings from pavement surfaces to remain.

D. Concrete footings shall be neatly and evenly crowned slightly above adjacent finished grade where adjacent finished grade is generally level, matching adjacent finished grade where adjacent finished grade is sloped, or level to the bottom of base aggregate where installation in paved areas is scheduled.

E. Remove all concrete slurry from surrounding surfaces and site furnishings prior to request for inspection.

3.03 Surface Installations:

A. Surface installations shall be made only upon approved concrete surfaces.

B. Use only manufactured approved anchoring devices.

C. Where the manufacturer does not provide a specification for anchoring, use only approved stainless steel wedge anchors as follows;

1. Do not proceed with anchor installation until concrete pavement has had a minimum of 14 days cure time under normal conditions. Where weather conditions are beyond the range of normal, do not proceed with anchor installation without the approval of the Engineer.
2. Size to the largest standard diameter that the manufacturer’s pre-made hole will accommodate without force, typically 5/8”.

3. Size for embedment of ¾ of the actual depth of concrete to support the installation, in no case less than 2½". Allow for depth of nut plus 3-5 threads protrusion above finished installation.
4. Do not over drill beyond 1/8" the depth necessary to accommodate the anchor.
5. Torque to 80-85% of the anchor manufacturers recommended maximum.
6. Provide at least one anchor for every bolt location hole for any site furnishing.

3.04 Installation of Manufactured Items: Install all equipment in accordance with Specifications, Drawings and manufacturer's directions. Where these may be in conflict, the more stringent requirements govern.

3.05 Installation of Fabricated Items: All fabricated items shall be installed consistent with the measured plans provided in the Contract Drawings utilizing materials

3.06 Cleanup: Remove all metal, wood, and concrete debris, protective wrappings and coverings, and shipping materials from the project site. Remove all residues, repair all stains, scuffs, abrasions, and marks from the finished product prior to requesting inspection. Fully restore all areas of the site that were impacted by the installation activities per SPR Standard Specifications.

END OF SECTION