

## **WHITE PARK PLAYGROUND MEASURE AND PAYMENT**

### **#1 - MOBILIZATION/DEMobilIZATION**

Mobilization/Demobilization will be paid for by the Lump Sum (LS) Unit bid cost. The cost for this item shall not exceed 5% of the total project bid.

### **#2 - DEMOLITION, REMOVAL OF EXISTING PLAYGROUND EQUIPMENT**

Demolition, Removal of Existing Playground Equipment will be paid for by the Lump Sum (LS) unit bid cost. This item includes removal and disposal of all existing playground equipment on-site as well as all borders, mulch, ground cover etc. associated with the existing playground area.

### **#3 - DEMOLITION, REMOVAL OF EXISTING TREES, CLEARING , AND GRUBBING**

Demolition, Removal of Existing Trees, Clearing, and Grubbing will be paid for by the Lump Sum (LS) unit bid cost. This item includes clearing and disposal of existing trees. Clearing and grubbing shall be completed in accordance with wvdoh specifications. Clearing is defined as the removal of trees, brush, down timber, rotten wood, rubbish, and other vegetation, and objectionable materials at or above original ground elevation not designated to be retained. Clearing also includes removal of fences, posts, signs, and demolition or removal of other obstructions interfering with the proposed work. Removal all stumps and roots within the cleared area unless otherwise approved by the engineer. grubbing is defined as the removal from below the original ground elevation of stumps, roots, stubs, brush, organic materials and debris as well as concrete and brick, and other obstructions interfering with the proposed work.

### **#4 - TOPSOIL, STRIP AND STOCKPILE, ASSUME 6" DEPTH**

Topsoil, Strip and Stockpile, Assume 6" Depth will be paid for by the Cubic Yard (CY) unit bid price and shall include stripping, stockpiling, and erosion control. Quantity is for informational purposes only and is based on an estimated 6" depth. The Contractor shall be responsible for stripping topsoil and stockpiling topsoil regardless of the actual depth and all payment will be held strictly to the estimated yardage with no increase or reduction in quantity. Contractor should also account for any double handling in the unit bid cost. This item includes installation and removal of an 8" compost filter sock along the downstream perimeter.

### **#5 - TOPSOIL, REPLACEMENT, 4" DEPTH**

Topsoil, Replacement, 4" Depth will be paid for by the Cubic Yard (CY) unit bid price and shall include handling, placement, grading, and erosion control. This item includes fine grading to within a tolerance of 1" of the grades and lines as per the plans. Topsoil shall be tracked in. Topsoil shall be screened, rock-hounded, etc. so that no debris, stones, or clumps of topsoil greater than ¾" exist. Debris, stones, etc. from the screening/rock-hounding process shall be disposed from the site.

### **#6 - TOPSOIL, REMOVE EXCESS**

Topsoil, Remove Excess will be paid for by the Cubic Yard (CY) unit bid price and shall include handling, loading, erosion control, and disposal. This item includes only excess topsoil that was stripped on-site and not used for final topsoiling. Net loaded truck tickets will be used for basis of payment.

### **#7 - EXCAVATION, CUT TO FILL**

Excavation, Cut to Fill will be paid for by the Cubic Yard (CY) Unit bid price. All earthwork is unclassified. No additional payment will be made for rock excavation. Price shall include the excavation for roads and compound preparation as necessary to accomplish the purpose of these plans including, cut, fill, placement, compaction, and testing. Earthwork quantity is for informational purposes only and will be paid strictly to the CY estimate with no increase or reduction in quantity. The Contractor shall be responsible for completing the full scope of the project within this bid quantity. This item includes the

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preparation of the subgrade for the pour-in-place play surface area. Subgrade shall follow the lines and grades of finished ground and compacted and tested as per WVDOH standards and specifications. Subgrade shall be within the tolerance of 3/4". Unsuitable, excavated material not used in the cut/fill operations shall be removed from the site and shall be considered incidental to this pay item.

### **#8- REMOVE EXCESS CUT**

Remove Excess Cut will be paid for by the Cubic Yard (CY) Unit bid price. Excess cut quantity is for informational purposes only and will be paid strictly to the CY estimate with no increase or reduction in quantity.

### **#9 - CONCRETE PAVEMENT, 4000 PSI FIBER REINFORCED, 4" DEPTH (SIDEWALK)**

Concrete Pavement, 4000 PSI Fiber Reinforced, 4" Depth (Sidewalk) shall be paid for by the Square Yard (SY) unit bid price and shall include all materials, labor, and testing necessary for the completion of this item. Concrete pavement shall be furnished and installed as per WVDOH standards and specifications.

### **#10 - INSTALLATION OF PLAYGROUND EQUIPMENT**

Installation of Playground Equipment will be paid for by the Lump Sum (LS) unit bid cost. This item includes installation of furnished playground equipment as per equipment manufacturer's recommendations and shall include all materials and labor necessary for the completion of this item. The playground equipment will be delivered to the site by the City and must be coordinated by the contractor. Playground equipment shall be installed by a certified contractor.

### **#11 - POURED-IN-PLACE PLAY SURFACE, 3.875" DEPTH (CFH=96")**

Poured-in-Place Play Surface, 3.875" Depth (CFH=96") will be paid for by the Square Yard (SY) Unit bid cost and shall include all materials and labor necessary for the completion of this item as per surface manufacturer's recommendations. The poured-in-place play surface shall be NO FAULT brand and installed by a certified contractor. The surface is composed of 3.5" of impact course and 3/8" wear layer. The color mix shall be 50% tan and 50% black. The finished surface shall be accessible with no slope greater than 2.0% in any direction.

### **#12 - POURED-IN-PLACE PLAY SURFACE SUBBASE, 4" DEPTH**

Poured-in-Place Play Surface Subbase, 4" Depth shall be paid for by the Square Yard (SY) unit bid price and shall include all materials, labor, and testing necessary for the completion of this item. Subbase shall be furnished and installed as per WVDOH standards and specifications. The subbase shall be sloped accordingly with finished grade and provide positive drainage to the proposed perforated underdrains.

### **#13 - POURED-IN-PLACE PLAY SURFACE CONCRETE CONTAINMENT BORDER**

Poured-in-Place Play Surface Concrete Containment Border shall be paid for by the Lineal Foot (LF) unit bid price and shall include all materials, labor, and testing necessary for the completion of this item. This item includes concrete, reinforcement, subbase, joining hardware, rebar staking, etc. The finished grade surface of the border shall be flush-mounted with the play surface and adjacent grade. Concrete curb shall be consistent with WVDOH standards and specifications.

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### #14 - 4" DIA. UNDERDRAIN, N-12 HDPE STORM WRAPPED IN GEOTEXTILE (PERFORATED)

4" Dia. Underdrain, N-12 HDPE Storm Wrapped in Geotextile (Perforated) shall be paid for by Lineal Foot (LF) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes excavation, backfilling, pipe, fittings, geotextile, aggregate bedding and backfill.

### #15 - R-4 RIPRAP, 18" PLACEMENT THICKNESS

R-4 Riprap, 18" Placement Thickness shall be paid for by Cubic Yard (CY) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes excavation, backfilling, riprap, and geotextile.

### #16 - ROCK CONSTRUCTION ENTRANCE

Rock Construction Entrance will be paid for by Each (EA) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes excavation, handling of materials, aggregate, geotextile, maintenance of aggregate surface, and removal and disposal of the rock construction entrance.

### #17 - EROSION CONTROL BLANKET, NORTH AMERICAN GREEN S75BN OR APPROVED EQUAL

Erosion Control Blanket, North American Green S75BN or Approved Equal will be paid for by the Square Yard (SY) Unit bid cost and shall include all materials, labor, and maintenance for the completion of this item. Blankets shall be maintained until 70% vegetated state is achieved.

### #18 - SEEDING AND SOIL SUPPLEMENTS, KY-31 TALL FESCUE

Seeding and Soil Supplements, KY-31 Tall Fescue will be paid for by the Square Yard (SY) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes seed, fertilizer, limestone, mulch, and soil testing to determine proper soil supplements. Areas failing to establish 100% cover shall be reseeded, re-mulched, and supplements reinstalled as required to produce 100% coverage. Rework shall be considered incidental to this item.

### #19 - 8" COMPOST FILTER SOCK

8" Compost Filter Sock will be paid for by Lineal Foot (LF) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes compost filter sock, handling of materials, staking, maintenance of compost filter sock, and removal and disposal of the compost filter sock.

### #20 - 12" COMPOST FILTER SOCK CHECK DAM

12" Compost Filter Sock Check Dam will be paid for by Lineal Foot (LF) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes compost filter sock, handling of materials, staking, maintenance of compost filter sock, and removal and disposal of the compost filter sock.

### #21 - 18" COMPOST FILTER SOCK

18" Compost Filter Sock will be paid for by Lineal Foot (LF) unit bid price and shall include all materials and labor necessary for the completion of this item and shall be furnished and installed as per WVDOH standards and specifications. This item includes compost filter sock, handling of materials, staking, maintenance of compost filter sock, and removal and disposal of the compost filter sock.