

**THE FOLLOWING ITEMS ARE SPECIAL PROVISIONS TO  
THE CITY OF SAN ANTONIO  
STANDARD SPECIFICATIONS FOR CONSTRUCTION  
DATED JUNE 2008**

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**General**

Throughout the City of San Antonio Standard Specifications for Construction (June 2008) replace the following:

- “Item 407 Frames, Grates, Rings and Covers” with “Item 409 Cast Iron Castings”
- “Item 304 Expansion Joint Material” with “Item 307.2.E, Expansion Joint Material”
- “Item 305, Membrane Curing” with “Item 307.2.H, Membrane Curing”

Update: May 2009

## Item 401 Reinforced Concrete Pipe

Delete in its entirety:

### **Section 401.6 Payment**

Add:

### **Section 401.6 Payment:**

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Reinforced Concrete Pipe", "Reinforced Concrete Pipe (Arch)", or "Reinforced Concrete Pipe (Elliptical)" of the size and D-load specified or of the size and class specified. This price is full compensation for excavation and backfilling; constructing, furnishing, transporting, placing and joining pipes; shaping the bed; cutting pipes on skew or slope; connecting to new or existing structures; breaking back, removing and disposing of portions of the existing structure; replacing portions of the existing structure; cutting pipe ends skew or slope; and equipment, labor, tools and incidentals required to complete the work.

Protection methods for excavations greater than 5 ft. deep will be measured and paid for as required under Item 550, "Trench Excavation Safety Protection", or Item 551, "Special Shoring". When jacking, boring, or tunneling is used at the Contractor's option, payment will be made under this Item. When jacking, boring, or tunneling is required, payment will be made under Item 406, "Jacking, Boring or Tunneling Pipe or Box".

## Item 402 High Density Corrugated Polyethylene Pipe

Delete in its entirety:

### **Section 402.7 Payment A & B**

Add:

### **Section 402.7 Payment:**

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "High Density Corrugated Polyethylene Pipe" of the size and backfill specified. This price is full compensation for excavation and backfilling; furnishing, transporting, placing and joining pipes; shaping the bed; cutting pipes on skew or slope; connecting to new or existing structures; breaking back, removing and disposing of portions of the existing structure; replacing portions of the existing structure; cutting pipe ends skew or slope; and equipment, labor, tools and incidentals required to complete the work.

Protection methods for excavations greater than 5 ft. deep will be measured and paid for as required under Item 550, "Trench Excavation Safety Protection", or Item 551, "Special Shoring". When jacking, boring, or tunneling is used at the Contractor's option, payment will be made under this Item. When jacking, boring, or tunneling is required, payment will be made under Item 406, "Jacking, Boring or Tunneling Pipe or Box".

Update: May 2009

## Item 403 Storm Sewer Junction Boxes and Inlets

### **Section 403.6 Bid Item**

#### Delete:

Items 403.7 – 403.14

#### Add:

Item 403.7 – Inlet Type I (Complete)(10 ft)

Item 403.8 – Inlet Type II (Complete)(10 ft)

Item 403.9 – Inlet Extensions (10 ft)

Item 403.10 – Inlet (Complete)(5')(TxDOT)

Item 403.11 – Inlet (Extension)(5')(TxDOT)

Item 403.12 – Special Inlet (Complete)

Note: See Bid Item Summary revisions.

## Item 404 Corrugated Metal Pipe

Delete in its entirety:

### **Section 404.6 Payment**

#### Add:

#### **Section 404.6 Payment:**

The work performed and materials furnished in accordance with this Item and measured as provided under “Measurement” will be paid for at the unit price bid for “Corrugated Metal Pipe,” “Corrugated Metal Pipe Arch,” “Spiral Rib Corrugated Metal Pipe,” or “Spiral Rib Corrugated Metal Pipe Arch” of the type, size and coating specified. This price is full compensation for excavation and backfilling; furnishing, transporting, placing and joining pipes; shaping the bed; cutting pipes on skew or slope; connecting to new or existing structures; breaking back, removing and disposing of portions of the existing structure; replacing portions of the existing structure; cutting pipe ends skew or slope; and equipment, labor, tools and incidentals required to complete the work.

Protection methods for excavations greater than 5 ft. deep will be measured and paid for as required under Item 550, “Trench Excavation Safety Protection”, or Item 551, “Special Shoring”. When jacking, boring, or tunneling is used at the Contractor’s option, payment will be made under this Item. When jacking, boring, or tunneling is required, payment will be made under Item 406, “Jacking, Boring or Tunneling Pipe or Box”.

## Item 405 Fiber Reinforced Concrete Pipe

Delete in its entirety:

### **Section 405.6 Payment**

Add:

### **Section 405.6 Payment:**

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Fiber Reinforced Concrete Pipe" of the backfill type, size and D-load class specified. This price is full compensation for excavation and backfilling for Type I, Type II and Type III; constructing, furnishing, transporting, placing and joining pipes; shaping the bed; cutting pipes on skew or slope; connecting to new or existing structures; breaking back, removing and disposing of portions of the existing structure; replacing portions of the existing structure; cutting pipe ends skew or slope; and equipment, labor, tools and incidentals required to complete the work.

## Item 502 Concrete Sidewalks

Delete first paragraph from 502.4.F.Joints:

Add :

### **Section 502.4.F Joints:**

Unless otherwise specified on the plans or as agreed to by the Engineer, tooled joints with rounded edges will be placed at intervals equal to the sidewalk width and will be opened with one-half inch (1/2") radius by one and one-half inch (1 1/2") depth and closed by one-half inch (1/2") radius by one-inch (1") depth.

### **Section 502.6 Payment:**

Delete from first paragraph: "removal and disposal of existing concrete;"

Update: May 2009

## Item 503 Asphaltic Concrete, Portland Cement Concrete and Gravel Driveways

Delete in its entirety:

### **Section 503.6 Payment**

Add :

### **Section 503.6 Payment:**

The work performed as prescribed by this item will be paid for at the contract unit price bid per square yard for “Portland Cement Concrete Driveway”, Portland Cement Concrete Driveway – Commercial”, “Asphaltic Concrete Driveway”, or “Gravel Driveway”, which price shall be full compensation for preparing the subgrade, for furnishing and placing all materials, manipulations, labor, tools, equipment and incidentals necessary to complete the work.

## Item 505 Concrete Riprap

Delete in its entirety:

### **Section 505.4.A Concrete Reinforcement**

Add :

### **Section 505.4.A Concrete Reinforcement:**

Unless otherwise shown on the plans, reinforce concrete riprap with 6 x 6 – W6 x W6 welded wire fabric or with No. 4 reinforcing bars spaced at a maximum of 18 in. in each direction unless otherwise shown. A combination of welded wire fabric and reinforcing bars may be provided when both are permitted. Provide a minimum 6-in. lap at all splices. At the edge of the riprap, provide a minimum horizontal cover of 1 in. and a maximum cover of 3 in. Place the first parallel bar no more than 6 in. from the edge of concrete. Use approved supports to hold the reinforcement approximately equidistant from the top and bottom surface of the slab. Adjust reinforcement during concrete placement to maintain correct position. Reinforcement protruding from existing riprap shall be thoroughly cleaned.

## Item 520 Hydromulching

### **Section 520.4 Construction (D) Slurry:**

Delete: “Annual Ryegrass (Oct. through March 15) 20 lbs per 1,000 sqft”.

Add: “Annual Ryegrass (Oct. through March 15) 5-10 lbs per 1,000 sqft”.

## Item 523 Adjusting of Vehicular & Pedestrian Gates

Delete in its entirety:

### **Item 523 Adjusting of Vehicular & Pedestrian Gates**

Add:

**523.1. DESCRIPTION:** *This item shall govern for the adjustment of manual or motorized, chain link or wrought iron, vehicular or pedestrian gates made necessary by the construction of new driveways or sidewalk entrances.*

**523.2. MATERIALS:** Additional materials needed to perform chain link fences gate adjustments shall conform to those specified in Item 507, "Chain Link Wire Fence". Materials used to adjust wrought iron gates shall be of the same type of material and configuration as the existing gate including any masonry. A combination of new and existing materials may be used if approved by the Engineer and property owner.

**523.3. EQUIPMENT:** Provide the machinery, tools and equipment necessary for proper prosecution of the work. All machinery, tools and equipment used shall be maintained in a satisfactory and workmanlike manner.

**523.4. CONSTRUCTION:** Approval from the property owner and Engineer shall be obtained by the Contractor in order to perform the necessary work required. The Contractor shall adjust gates vertically and or relocated gates horizontally by removing the existing gate from the gate posts and relocating and/or replacing (if necessary) the existing hinges, sliding mechanism, or rollers at a level such that the gate shall be provided with the necessary clearance to operate properly. Contractor shall coordinated extent of adjustments to be made with the property owner and Engineer prior to commencing any gate adjustments. Contractor shall notify property owner or tenant 48 hours in advance of any gate adjustments.

All fabric, posts, braces, gates, fittings, bolts, tension wire, tracks, wheels, rollers, operating mechanism, electrical service, wiring and miscellaneous hardware shall be carefully removed in such a manner that they will not be marred or damaged. After removal of the existing gate has been complete, any material deemed not useable shall be replaced by the Contractor with new material of the same design and quality as the existing material. A new gate constructed of the same type of material and configuration as the existing gate may be installed if so desired by the Contractor. All fences and gates shall be cut and welded by a qualified welder.

If necessary, the existing fence may be extended, reinforced, or offset in a manner that will not detract from the decorative appeal of the fence. All extensions and offsets of existing fences and gates shall be approved by the property owner.

All gates adjusted vertically shall be extended vertically so that the height of the gate will match existing fence height. Gates that are adjusted vertically shall be provided with a concrete channel for track, gate, sliding mechanism as detailed on plans or as approved by the Engineer and property owner.

All welding will be performed in a workman-like manner with solid joints of minimum protrusion. The adjusted gate will be constructed in such a manner to have minimal flexure.

Any excessive splatter of the weld will be ground off. Existing wrought iron fences and gates will be cleaned and any surface imperfections, any rust and paint will be removed completely. All surfaces of the existing gates will be roughened to accept a new coat of paint. All newly added areas will be completely primed and painted to match existing paint. A second coat will be required to cover any holidays or spots of insufficient coverage. The existing fence and gate will be spot primed in areas where surface imperfections or rust have been removed.

Painting will be by hand or spray. Areas to be painted shall be primed in accordance with paint manufacturer's recommendations. Two coats of paint shall be applied to the existing fence and gate and all newly added parts. The final surface will be of even color with out streaks, drips bubbles, or any other surface imperfection. Paint used shall match existing paint in color and texture. Color shall be approved in writing by the property owner.

**523.5 MEASUREMENT:** Vehicular and pedestrian gates will be measured for each driveway or sidewalk entrance and/or exit of each type that is adjusted. Additional fencing that may be required for relocation or adjustment of gates will be subsidiary to gate adjustments or gate relocation and will not be measured as a separate pay item.

**523.6 PAYMENT:** The work performed and the materials furnished as prescribed by this item will be paid for at the bid price per gate for "Adjusting of Vehicular & Pedestrian Gates," which price shall be full compensation for removing and installing the existing gate and for furnishing all additional materials, all labor, tools, equipment and incidentals necessary to complete the work.

**523.7 Bid Item:**

Item 523.1 – Adjusting Chain Link Vehicular Gate – Each

Item 523.2 – Adjusting Chain Link Vehicular Gate (Motorized) - Each

Item 523.3 – Adjusting Chain Link Pedestrian Gate – Each

Item 523.4 – Adjusting Wrought Iron Vehicular Gate – Each

Item 523.5 – Adjusting Wrought Iron Vehicular Gate (Motorized) - Each

Item 523.6 – Adjusting Wrought Iron Pedestrian Gate – Each

## Bid Item Summary Revisions

Replace Item 403.7 with Item 403.7 – Inlet Type I (Complete)(10 ft) - Each  
Replace Item 403.8 Item 403.8 – Inlet Type II (Complete)(10 ft) - Each  
Replace Item 403.9 Item 403.9 – Inlet Extensions (10 ft) - Each  
Replace Item 403.10 Item 403.10 – Inlet (Complete)(5')(TxDOT) - Each  
Replace Item 403.11 Item 403.11 – Inlet (Extension)(5')(TxDOT) - Each  
Replace Item 403.12 Item 403.12 – Special Inlet (Complete) - Each  
Delete Items 403.13 & 403.14  
Add Item 523.1 – Adjusting Chain Link Vehicular Gate – Each  
Add Item 523.2 – Adjusting Chain Link Vehicular Gate (Motorized) - Each  
Add Item 523.3 – Adjusting Chain Link Pedestrian Gate – Each  
Add Item 523.4 – Adjusting Wrought Iron Vehicular Gate – Each  
Add Item 523.5 – Adjusting Wrought Iron Vehicular Gate (Motorized) - Each  
Add Item 523.6 – Adjusting Wrought Iron Pedestrian Gate – Each  
Replace Item 682.1 with Item 682.1 – Install Vehicle Signal Section with Back Plate  
(3 second) – Each  
Replace Item 682.2 with Item 682.2 – Install Vehicle Signal Section with Back Plate  
(4 second) – Each  
Replace Item 682.3 with Item 682.3 – Install Vehicle Signal Section with Back Plate  
(5 second) – Each  
Replace Item 682.4 with Item 682.4 – Install Pedestrian Signal Section (12 inch) LED  
(2 Ind) – Each  
Add Item 682.5 – Louver (12 inch)(Adjustable) – Each