

Document 00910

ADDENDUM NO. 1

Date of Addendum: 7-14-14

PROJECT NAME: Schweppe Park  
PROJECT NO: F-000708-0005-4  
BID DATE: July 24, 2014  
FROM: City of Houston, General Services Department  
900 Bagby, 2nd Floor, City Hall Annex  
Houston, Texas 77002  
Attn: Duncan Elliott, Senior Project Manager



TO: Prospective Bidders

This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

#### CHANGE IN BID DATE

The Bid Date for this Project is changed from July 17, 2014 to July 24, 2014. Time of day and place for submittal of bid remains the same.

*This Addendum uses the change page method: remove and replace or add pages, or Drawing sheets, as directed in the change instructions below. Change bars ( | ) are provided in the outside margins of pages from the Project Manual to indicate where changes have been made; no change bars are provided in added Sections. Reissued Drawing Sheets show the Addendum number below the title block and changes in the Drawing are noted by a revision mark and enclosed in a revision cloud.*

#### CHANGES TO PROJECT MANUAL

##### INTRODUCTORY INFORMATION

1. Document 00010 – Table of Contents. Replace Document in its entirety with the attached.
2. Document 00015 – List of Drawings. Replace Document in its entirety with the attached.

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**BIDDING REQUIREMENTS**

3. Document 00210LB – Supplemental Instructions to Bidders. Replace Document in its entirety with the attached.

**SPECIFICATIONS**

4. Section 02480 – Playgrounds. Replace Section in its entirety with the attached.
5. Section 09911 – Powder Coat Finish. Replace Section in its entirety with the attached.
6. Section 16500 – Sight Lighting. Delete Section in its entirety.

**CHANGES TO DRAWINGS**

7. Delete Sheet L101, Demolition and Tree Preservation Plan, and replace with attached Sheet L101.
8. Delete Sheet L302, Layout Plan, and replace with attached Sheet L302.
9. Delete Sheet L403, Construction Details 3 of 8, and replace with attached Sheet L403.
10. Delete Sheet L406, Construction Details 6 of 8, and replace with attached Sheet L406.

END OF ADDENDUM NO. 1

(RAV \_\_\_:CRC:   
Humberto Bautista, P.E.  
City Engineer  
General Services Department

DATED: 7-14-14

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Document 00010

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NOTE: Bold capitalized Specification Sections are included in the City of Houston Standard Specifications for Wastewater Collection Systems, Water Lines, Storm Drainage, and Street Paving, dated October 2002; and are incorporated in Project Manuals by reference as if copied verbatim. Documents listed "for filing" are to be provided by Bidder and are not included in this Project Manual unless indicated for example only. The Document numbers and titles hold places for actual documents to be submitted by Contractor during Bid, post-bid, or construction phase of the Project. Specification Sections marked with an asterisk (\*) are amended by a supplemental specification, placed in front of the Specification it amends. Documents in the 200, 300 and 400 series of Division 00, except for Document 00410B – Bid Form, Part B, are not part of the Contract.

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LIST OF DRAWINGS

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Document 00210

**SUPPLEMENTARY INSTRUCTIONS TO BIDDERS**

*The following Paragraphs modify Document 00200 - Instructions to Bidders. Where a portion of the Instructions to Bidders is modified or deleted by these Supplementary Instructions, the unaltered portions of the Instructions to Bidders remains in effect.*

3.0 - NOTICE TO BIDDERS: Add the following Paragraph to this Section:

C. The City will award this contract to a "Local Business", as that term is defined in Section 15-176 of the Code:

- If the bid of the Local Business is less than \$100,000 and is the lowest responsible bid or is within 5% of the lowest bid received, or
- If the bid of the Local Business is more than \$100,000 and is the lowest responsible bid or is within 3% of the lowest bid received, and
- Unless the Director determines that such an award would unduly interfere with contract needs, as provided in Section 15-181 of the Code.

If there is no bid of a Local Business that meets these criteria, the City will award the contract to the lowest responsible bidder.

4.0 - BID DOCUMENTS: Add the following Paragraphs to this Section:

A. Add the following Paragraph under Paragraph A:

1. Bid Documents (Compact Discs) may be picked up at City Hall Annex, 900 Bagby 2<sup>nd</sup> Floor, Houston, Texas 77002. A maximum of one disc will be available to each prospective Bidder.

D. Add the following Paragraph D.1:

1. Copies of the City Standard Specifications and Details may be acquired at no cost on the City's website at [www.documents.publicworks.houstontx.gov/document-center/specifications/index.htm](http://www.documents.publicworks.houstontx.gov/document-center/specifications/index.htm)

E. The following plan rooms, whose names, addresses, phone and fax numbers were last updated on December 16, 2011, have been authorized by the City to display Bid Documents for examination:

1. AMTEK Information Services, Inc., 4001 Sherwood Lane, Houston, TX 77092, 713-956-0100, Fax 713-956-5340,

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Email: [planroom@amtekusa.com](mailto:planroom@amtekusa.com)

2. Virtual Builders Exchange, 3910 Kirby, Suite 131, Houston, TX 77098-4151, 832-613-0201, Fax 832-613-0344, Email: [ashley@virtualbx.com](mailto:ashley@virtualbx.com)
3. Associated General Contractors (AGC-BB) Building Branch, 3825 Dacoma, Houston, TX 77092-8717, 713-843-3700, Fax 713-843-3701, Email: [kschell@isqft.com](mailto:kschell@isqft.com)
4. Associated General Contractors, (AGC-HHUI), Highway, Heavy Utilities and Industrial Branch, 2400 Augusta St., Suite 305, Houston, TX 77057, 713-334-7100, Fax 713-334-7130, Email: [houston@agctx.org](mailto:houston@agctx.org)
5. Triangle Reproductions, 8450 Westpark Drive, Suite 100, Houston, TX 77063, 713-780-0236, Fax 713-780-2417, Email: [ditgal@triangletexas.com](mailto:ditgal@triangletexas.com)
6. McGraw-Hill Construction/Dodge; [www.construction.com](http://www.construction.com); 281 242-3542, Fax 713-524-7639, Email: [Toni.Lawson@mcgraw-hill.com](mailto:Toni.Lawson@mcgraw-hill.com)
7. CDC News, 4201 West Palmer Lane, Suite A200, Austin, TX 78727, 800-872-7878, Fax 800-487-7878, Email: [ddavila@cdcnews.com](mailto:ddavila@cdcnews.com)

5.0 - EXAMINATION OF DOCUMENTS, SITE, AND LOCAL CONDITIONS: Insert the following paragraph:

D. Add the following Paragraph D.1:

1. Work will be performed in public right-of-way. The site may be examined at any time during daylight hours.

9.0 – PREPARATION OF BIDS: Add the following Paragraph I to this Paragraph:

- I. For math errors the City encounters in analyzing Bids, the following guidance will be used:

In the event of a conflict between:	The Bid Price is:
1. Individual Unit Price and Extension of that Unit Price	Individual Unit Price times Estimated Quantity
2. A Unit Price extension and total of Unit Price Extensions	Sum of all Individual Unit Price Extensions

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- |   |   |
|---|---|
| 3. Individual Alternate and total of Alternates   | Sum of all Individual Alternates  |
| 4. Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Cash Allowances, and Alternates; and the Total Bid Price | Sum of Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Cash Allowances and Alternates |

10.0 – BID SUBMISSION: Add the following Paragraph A.1 to this Section:

A. Add the following Paragraph A.1:

1. City Secretary will receive Bids at 900 Bagby, Room P101, Houston, Texas until 10:30 a.m., local time on Thursday, July 24, 2014.

15.0 – PREBID MEETING: Add the following Paragraph A.1 to this Section:

A. Add the following Paragraph A.1:

1. A Prebid Meeting will be held at 2:00 p.m., July 2, 2014, at 900 Bagby (City Hall Annex), Room 243, Houston, Texas.

END OF DOCUMENT

## SECTION 02480

## PLAYGROUND EQUIPMENT

## PART 1 - GENERAL

## 1.01 SECTION INCLUDES

- A. The Contractor shall supply all materials, labor and equipment required to install the items specified in this Section, and in accordance with the drawings and manufacturer's suggestions. Technical requirements for items listed in this section may be found in their respective sections. The following items are referenced in this section for coordination purposes:

## 1.02 DEFINITIONS

- A. Accessible Playground – Playground equipment area, that, when viewed in its entirety, may be approached, and entered and provides a range of play opportunities and experiences to users of varying abilities.
- B. Composite Play Structure – Two or more play structures attached or functionally linked, to create one integral unit that provides more than one play activity.
- C. Component – of a play structure, any portion thereof that generates specific activity and cannot stand alone.
- D. Critical Fall Height – The maximum vertical distance between a designated play surface and the protective surfacing beneath at which a life threatening injury is not likely to occur.
- E. Fall Height – The vertical distance between a designated play surface and the protective surfacing beneath it.
- F. Impact Attenuating Surface(IAS) – A protective surfacing with impact absorption properties to minimize the likelihood of a life-threatening head injury.
- G. Protective Surfacing – An impact attenuating surface with the ability to reduce and dissipate the energy of a falling child so as to minimize the likelihood of a life-threatening.
- H. Play Structure – A free standing structure with one or more components and their supporting members.
- I. Pre School Children – Children in the age group of 2-5 years old
- J. School Age Children – Children in the age group of 5-12 years old.
- K. Safety Zone – The area immediately adjacent to a composite or individual play structure and/or component, or between a composite or individual play structure and/or component,
- L. Use Zone – The area beneath and immediately adjacent to a play structure or equipment that is designated for unrestricted circulation around the equipment and on whose surface it is predicated that a user would land when falling from or exiting the equipment.

## 1.03 REFERENCES

- A. Handbook for public playgrounds safety: U.S. Consumer Product Safety Commission, Publication no. 325, 1997, or latest edition.
- B. ASTM F 1487-01(or latest version): Standard consumer safety performance specifications for playground equipment for public use.
- C. Americans with Disabilities Act (ADA) 1990(latest version for park and playground accessibility)
- D. Texas Accessibility Standards, latest version.

## 1.04 QUALITY ASSURANCE

- A. Contractor or Subcontractor for the installation of the playground equipment shall be one that is approved by the manufacturer for installation of the specified equipment or one that has at least (3) three years of experience in the installation of similar playground equipment.
- B. Contract shall provide certificates of manufacturer warranty for each playground equipment upon notice of substantial completion.
- C. Contractor shall also provide proof of manufacturer liability insurance and coverage amounts. minimum \$1,000,000 general liability; \$1,000,000 product liability and \$5,000,000 excess liability.
- D. See Section 01450 – Contractor Quality Control

## 1.05 WARRANTIES

- A. All equipment shall have the following minimum warranty periods.
  1. The warranty with respect to failure due to material or production defects on galvanized structural parts such as poles, cross beams, floor frames and top brackets. - 20 year warranty (or as approved)
  2. The warranty with respect to failure due to material or production defects on non-painted metal parts other than galvanized structural parts as mentioned above, and the warranty with respect to hollow plastic parts, solid plastic panels, painted or resin-coated panels and engineered timber.- 10 year warranty (or as approved)
  3. The warranty with respect to failure due to material or production defects on springs, painted metal parts, other plastic components and net construction. - 5 year warranty (or as approved)
  4. The warranty with respect to failure due to material or production defects on moveable plastic and metal parts. - 2 year warranty (or as approved)

## 1.06 SUBMITTALS

- A. The Contractor shall furnish catalog cuts, samples of finish, complete shop drawings in plan and elevation and/or 3-D renderings, and site delivery dates for all items specified in this Section.
- B. The Contractor shall also furnish a detailed design schematic of the proposed playground structure in 3D and plan CADD format, indicating the number of play events, age appropriateness, and the maximum number of children designed for.
- C. Submit color and material samples for all equipment indicated.

## 1.07 POST CONSTRUCTION SAFETY AUDIT

- A. The Contractor shall engage, and pay all associated costs for, a Certified National Playground Safety Inspector to conduct a safety audit of all proposed playground equipment and access routes between and to the playground equipment. The Contractor shall submit (3) copies of the safety audit to the Landscape Architect or Owner's Representative prior to the Substantial Completion Site Review.
- B. The Certified National Playground Safety Inspector shall hold a current certification and be independent from the manufacturer and/or installer.
- C. If any playground equipment component and/or structure, or accessible route, does not pass the safety audit inspection, the Contractor shall, at his own expense, repair and/or replace those items failing to pass the safety audit.
- D. The Contractor shall be responsible for any follow-up audits to ensure that all Work has passed the safety audit inspection.

## 1.08 MEASUREMENT AND PAYMENT

- A. Stipulated Price (Lump Sum): The Contract is a Stipulated Price Contract, payment for labor, materials, and all miscellaneous costs required as part of the work required in this Section is included in the total Stipulated Price.

## PART 2 - MATERIALS

## 2.01 DESIGN REQUIREMENTS

- A. 5-12 year old Composite Playground equipment
  - I. Number of play events and design limit:
    - a) Provide one contiguous play structure with a minimum of 15 play events.

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- b) Play events shall provide a variety of tunnel, climbing, hanging, and sliding events as described in the Drawings.
- c) A minimum of twelve (12) elevated play components, a minimum of six (6) play components must be accessible by transfer, a minimum of four (4) play components must be at accessible ground level and provide a minimum of four (4) different types of ground level activities.
- d) Playstructure shall accommodate a minimum of 25 kids at one time.
- e) The playground structure shall be age appropriate for children 5-12 years old.

2. Features

- a) These shall be a minimum of three slides of various types and three to four separated platforms.
- b) The main structure supports shall be made out of an 5" diameter steel tubing with an approved Polyester Powder Coat finish
- c) Deck material shall be perforated metal with a resilient surface.
- d) Slides, rails , and other non-'wood' products shall be made out of durable , high density rotationally molded plastic with integral coloring, with colors to be selected.
- e) Age appropriate signage located at the primary entrance to the playground. made out of a durable, weather resistant material
- f) Play or barrier panels shall be punched metal with decorative metal icons welded to panel.
- g) Provide roof and barrier panels.

B. 2-5 year old Composite Playground equipment

1. Number of play events and design limit:

- a) Provide one contiguous play structure with a minimum of 9 play events.
- b) Play events shall provide a variety of tunnel, climbing, hanging, and sliding events as described in the Drawings.
- c) A minimum of six (6) play events must be accessible at ground level and provide a minimum of six (6) different types of ground level activities.
- d) Playstructure shall accommodate a minimum of 20 kids at one time.
- e) The playground structure shall be age appropriate for children 2-5 years old.

2. Features

- a) There shall be a minimum of 2 slides of various types and three to four separated platforms.
- b) The main structure supports shall be made out of an 5" diameter steel tubing with an approved Polyester Powder Coat finish
- c) Deck material shall be perforated metal with a resilient surface.
- d) Slides, rails , and other non-'wood' products shall be made out of durable , high density rotationally molded plastic with integral coloring, with colors to be selected.
- e) Age appropriate signage located at the primary entrance to the playground. made out of a durable, weather resistant material

C. Freestanding Specialty Equipment

1. As noted on the Drawings

D. Accessible Playground

1. Play structure shall include an ADA approved transfer module and adhere to all ADA requirements for playground accessibility
2. Contractor shall ensure that the playground and accompanying structures meet all applicable codes and regulations as stipulated in the reference section, or other sections of this specification.
3. Accessible Play Components: A minimum number of accessible play components need to be provided for that are wheel chair accessible either by ramps, ground level access, or from transfer stations. Refer the following charts for the requirements for Accessible Play Components.

<i>Min. number of ground level play components required to be on</i>	<i>Min. number of different types of ground level play components required to be on accessible route</i>	<i>Number of elevated play Components provided on accessible route</i>
1	Not Applicable	Not Applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
25 +	8 plus 1 for each additional 3 over 25, or fraction thereof	5

<i>Total Provided</i>	<i>Ramp Access</i>	<i>Ramp or Transfer System Access</i>
Less than 20	Not Required	25 % min
20 or more	25% min.	25 % min.

E. Layout of Playground Equipment:

1. In General, a minimum of 6 feet clear, continuous, approved protective surfacing is needed between the play structure and/or component and the edge of the protective surfacing area.
2. In general no playground structure and/or component shall be able to overlap each other's safety zone or the perimeter edge of the protective surface area. Contractor shall refer to CPSC Publication no. 325 and ASTM 1487-01 for exceptions on the layout of playground equipment and the minimum safety zones required.

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3. Exceptions to the minimum 6 foot safety zone include, but are not limited to, swings, slides, freestanding rockers, and seated spring rockers. In these conditions extended safety zones are required based on the type of swing, slides, freestanding, and seated spring rocker specified.
  4. Contractor shall refer to CPSC Publication no. 325 and ASTM 1487-01 for exceptions on the layout of playground equipment and the minimum safety zones required.
- F. Signage (When Specified on the Drawings):
1. Manufacturer signage shall be provided for each type composite or free standing playground structure clearly identifying the age group for the play structure.
  2. The material shall be located at the predominant entrance to the play structure and shall be made out of a durable material with letters clearly visible.
- G. Age Appropriate Play Components:
1. Play structures and/or components shall be age appropriate for the intended user.
  2. The Contractor and his supplier shall refer to the references indicated in this Section to determine the age appropriateness of the play structure and/or component.
  3. Under no circumstance shall the primary play structure be intended for both pre-school and school age children.

## 2.02 EQUIPMENT

- A. The following playground structures and equipment as specified below or equal manufacturer. See Section 01630 – Project Substitution Procedures and Section 01330 – Submittal Procedures.
1. Playground Structures (2-5, and 5-12 year old composite, freestanding elements, and swingset equipment): Refer to Drawings for recommended playground equipment, type, model, special features and for general layout and configuration of the playground structures and number and type of play events.
    - a. Landscape Structures
    - b. Playworld
    - c. Game Time
    - d. Approved alternate.
- B. Materials.
1. Fasteners and bolts: Durable carbon steel plated with zinc/nickel and iridescent chromate finish or stainless steel and sealed with an approved weather resistant finish to prevent rust. Fasteners and bolts shall be recessed or assembled with no protrusions, and meet the requirements of ASTM-F 1487-4.3.1, ASTM-F 6.2, & CPSC 9.1 - 9.4. Fasteners and bolts shall also be vandal-resistant and require use of non-standard tools.
  2. Posts and Clamps: 4"-5" circular metal posts with manufacturer provided finish.

3. Decks: Decks shall be fitted securely to posts with no gaps to prevent entanglements. Decks shall also be perforated and feature drainage holes or slots suitable for children and shall adhere to all ASTM, CPSC, and ADA requirements for gaps, protrusions, elevation changes, and slip resistance.
4. Colors for plastic component: Color shall be compounded and integral to the material. Dry-blended or molded-in resins are not acceptable Contractor to provide samples for approval by Landscape Architect, or Owner's Representative.
5. Footings: All footings to be structurally engineered for the site soil conditions and surface mount attached (2" below finished surface) to the play structure per manufacturers recommendations.
6. Rotationally molded poly parts (or as approved): Linear low-density polyethylene that is U.V. and color stabilized. Wall thickness for each application shall provide minimum 2700 psi per ASTM D638. Rotationally molded. Meets ASTM D Type 2 Class A Category 3 Polyethylene contains UV-8 stabilization package. Meets ASTM-F 1487 4.1.1
7. Polyethylene Plastic Parts: Compression molded, polyethylene material that is 3/4" thick, and is U.V. and color stabilized. Material shall meet or exceed a density of .933 G/cc per ASTM D1505, and a tensile strength of 2400 psi per ASTM 638. Material shall be graffiti-Resistant. Meets ASTM-D 257 and moisture resistant. Material shall meets ASTM-D 570 for UV Stabilization and ASTM-F 1487 4.1.1. 1/2" - 3/4" Thicknesses for Heavy Use. Meets ASTM-D 638.
8. Fall Surface: Section 02520 – Playground Fall Surface
9. Concrete Borders and foundations: See Section 03310 – Cast In Place Concrete

### PART 3 - EXECUTION

#### 3.01 METHOD

- A. Set all furnishings to the proper elevation in relation to concrete pavement and/or playground fall surface curbing and finish grades. Temporarily shore all equipment until ready to install.
- B. All exposed bolts, latches, and any other type of metal fasteners shall be properly capped with approved manufacturers techniques to prevent injury to children
- C. The Contractor shall be responsible for verifying the dimensions and required hardware of the furnishings prior to commencing installation work.
- D. All furnishings shall be installed as shown on the drawings and according to all appropriate manufacturer's installation instructions.
- E. Contractor shall maintain the minimum safety surface dimension around each piece of equipment and the perimeter protective surfacing border.
- F. Install age appropriate signage.

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- G. Conduct post construction safety audit at no additional cost to Owner and submit to Landscape Architect and/or Owner's Representative per Part 1 of this Section.

END OF SECTION 02480

SECTION 09911  
HIGH PERFORMANCE COATINGS

## PART 1 - GENERAL

## 1.01 DESCRIPTION

A Special coating work includes surface preparation, primers, fillers barrier coats, intermediate and top coats on areas indicated to receive special coatings. Special coating systems are defined as those types of materials and applications requiring more than normal skills and techniques for mixing, handling and application, as specified in Section 09900. Special coating work includes but is not limited to items and surfaces scheduled and indicated to receive "Special Coatings (SPC)":

1. Exterior ferrous and non-ferrous metals.
2. Where an item is not specifically mentioned, paint the same as similar adjacent materials or surfaces.
3. "Exposed surfaces" are defined to include areas visible when permanent or built-in items and appurtenances are in place in areas scheduled to be coated. Extend special coatings in these areas as required to maintain coating system integrity and provide desired appearance and protection.
4. Make test patches to verify coating compatibility and adhesion over existing coatings and surfaces.

## 1.02 OTHER REQUIREMENTS

- A. Do not include application of special coatings on:
1. Prefinished or factory finished items (e.g., light fixture lenses, and similar items).
  2. Aluminum, copper, chromium and other plated finishes.
  3. Concealed surfaces in concealed and inaccessible areas and similar spaces.
  4. Code required labels and nomenclature plates.
  5. Items indicated to receive painted finishes.

## 1.03 SUBMITTALS:

- A. Submit coating manufacturer's product data, application instructions and application equipment recommended by coating manufacturer for application methods scheduled. Architect will identify colors required for surfaces to be painted. For verification purposes, submit representative samples, approximately 12" x 12" in size, of each color required on actual wood, masonry and metal substrates. On the back of each sample, identify surface

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preparation, fillers, primers, intermediate and finish coat used as well as total dry film thickness of coating system. Resubmit samples until required color, sheen and texture are achieved.

- B. Field samples: On wall surfaces and other exterior and interior component areas selected by Architect, duplicate finishes of approved samples. Provide full-coat finish samples on at least 100 sq. ft. of surface and 10 linear feet of each type of trim, as directed, until required color, sheen and texture is obtained; simulate finished lighting conditions for review of in-place work.
- C. Final acceptance of colors will be made from job applied samples.
- D. Upon acceptance, field samples will be used to evaluate coating systems of a similar nature.

#### 1.04 QUALITY ASSURANCE:

- A. Manufacturers: Provide primary products, including each type of coating material and solvent required for each coating system, produced by a single manufacturer, which has produced that type product successfully for not less than 3 years. Provide secondary products which are acceptable to manufacturers of primary products.
- B. Test Patches: Use test patches for each type of coating system and each substrate upon which coatings will be applied to confirm that substrates are properly prepared and that coatings will adhere and cure in accordance with coating manufacturers printed application instructions.

#### 1.05 REFERENCE

- A. SSPC - Society for Protective Coatings (SSPC)
- B. NACE - The National Association of Corrosion Engineers International

#### 1.06 MEASUREMENT AND PAYMENT

- A. Unit Price:
  - 1. Stipulated Price(Lump Sum) The Contract is a Stipulated Price Contract, payment for work in this Section is included in the total Stipulated Price.

### PART 2 - PRODUCTS

#### 2.01. GENERAL:

- A. Provide the following complete special coating system as produced by either the Carboline

Company, St. Louis, MO, represented locally by Architectural Systems, Inc., Houston, TX, (Tel) 713-579-7106, or the Tnemec Company, Inc., Kansas City, Missouri, (Tel) 816-474-3400, represented by Barry & Co., Inc., Houston, TX, (Tel) 713-975 9113. **Or other approved high performance coating**

2.02. SPECIAL COATING SYSTEM SPC-2 (Non-Ferrous Metal Exposed to View):

- A. Surface Preparation: Wire brush to remove any loose and flaking corrosion, and loose, flaking and blistered coatings. Vacuum or use clean tack cloth as necessary. Solvent clean to remove oil and grease. All surfaces must be clean and dry.
- B. Prime Coat/High Performance Coating of Exposed Structural Steel Finish, Purlins, and Pipes: Tnemec Chembuild Series 135 HB (self priming), or approved equal, sprayed on at the rate of 7.0 to 9.0 mils dry film thickness with minimum 24 hour curing prior to topcoating.
- C. Topcoats on ALL Exposed Structural Steel, decking, purlins, and Related Work : Tnemec "Endura-Shield Series 73 HB" or approved equal, sprayed on at the rate of 3.0 - 5.0 mils dry film thickness with minimum 12 hour curing prior to recoating if necessary. Color to be selected by Architect from manufacturer's full range of colors and finishes.

2.03 SPECIAL COATING SYSTEM SSPC-SP3 (Ferrous Metal Exposed to View):

- A. Surface Preparation: Removes all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling. Vacuum or use clean tack cloth as necessary. Solvent clean to remove oil and grease. All surfaces must be clean and dry.
- B. Prime Coat/High Performance Coating of Exposed Structural Steel Finish, Purlins, and Pipes: Tnemec Chembuild Series 135 HB (self priming), or approved equal, sprayed on at the rate of 7.0 to 9.0 mils dry film thickness with minimum 24 hour curing prior to topcoating.
- C. Topcoats on ALL Exposed Structural Steel, decking, purlins, and Related Work : Tnemec "Endura-Shield Series 73 HB" or approved equal, sprayed on at the rate of 3.0 - 5.0 mils dry film thickness with minimum 12 hour curing prior to recoating if necessary. Color to be selected by Architect from manufacturer's full range of colors and finishes.

2.05 PAINT COLORS/LOCATIONS

- A. Contractor to provide and finish each specified item in a different color as indicated above to approved by Owner's Representative.
  1. Metal posts and prefabricated truss

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## PART 3 - EXECUTION

- 3.01 INSPECTION: Start of special coatings work will be construed as Applicator's acceptance of surfaces within any particular area. Do not apply coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, incompatible coatings; loose, wrinkled, or lifting coatings; or other conditions otherwise detrimental to formation of a durable coating film. It is intended that the existing site features be prepared and painted in place. Contractor shall notify the Landscape Architect or Owner's representative if the existing features need to be removed on or off-site for preparation and painting. Contractor shall be responsible for all costs associated with preparation and painting of existing site features including any removal and reinstallation of said features and/or equipment.
- 3.02 SURFACE PREPARATION: Perform surface preparation and cleaning procedures in compliance with coating manufacturer's instructions for each particular substrate condition and as specified.
- A. Provide Carboline Co. "Rustamor 29" or Tnemec "37H Chem-Prime" barrier coat applied at the rate of 2.0 to 3.0 mils DFT over incompatible primers or completely remove incompatible coating and reprime as required.
  - B. Remove hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items which are not to be coated, or provide surface-applied protection prior to surface preparation and coating operations. Following coating completion in each space or area, reinstall removed items, using workman skilled in trades involved.
  - C. Clean surfaces to be coated before applying coatings or surface treatments; solvents prior to mechanical cleaning. Program cleaning and application so that dust and other contaminants from the cleaning process will not fall on wet, newly coated surfaces.
  - D. Mask surfaces not scheduled to receive special coating paint materials.
  - E. Protect adjacent surfaces at Owner's and adjacent properties from overspray.
- 3.03 FERROUS AND NON-FERROUS METAL SURFACE PREPARATION: Clean non-galvanized, ferrous surfaces which have not been shop-coated, of oil, grease, dirt, loose mill scale and other foreign substances by solvent or mechanical cleaning, complying with Steel Structures Painting Council (SSPC) recommendations.
- 3.04 MIXING: Mix and prepare coating system materials in accordance with manufacturer's directions. Do not use coating materials produced by different manufacturers, unless otherwise permitted by manufacturer's instructions. Maintain containers used in mixing and application of coating in a clean condition, free of foreign materials and residue. Stir materials before application to produce a mixture of uniform density, and stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.

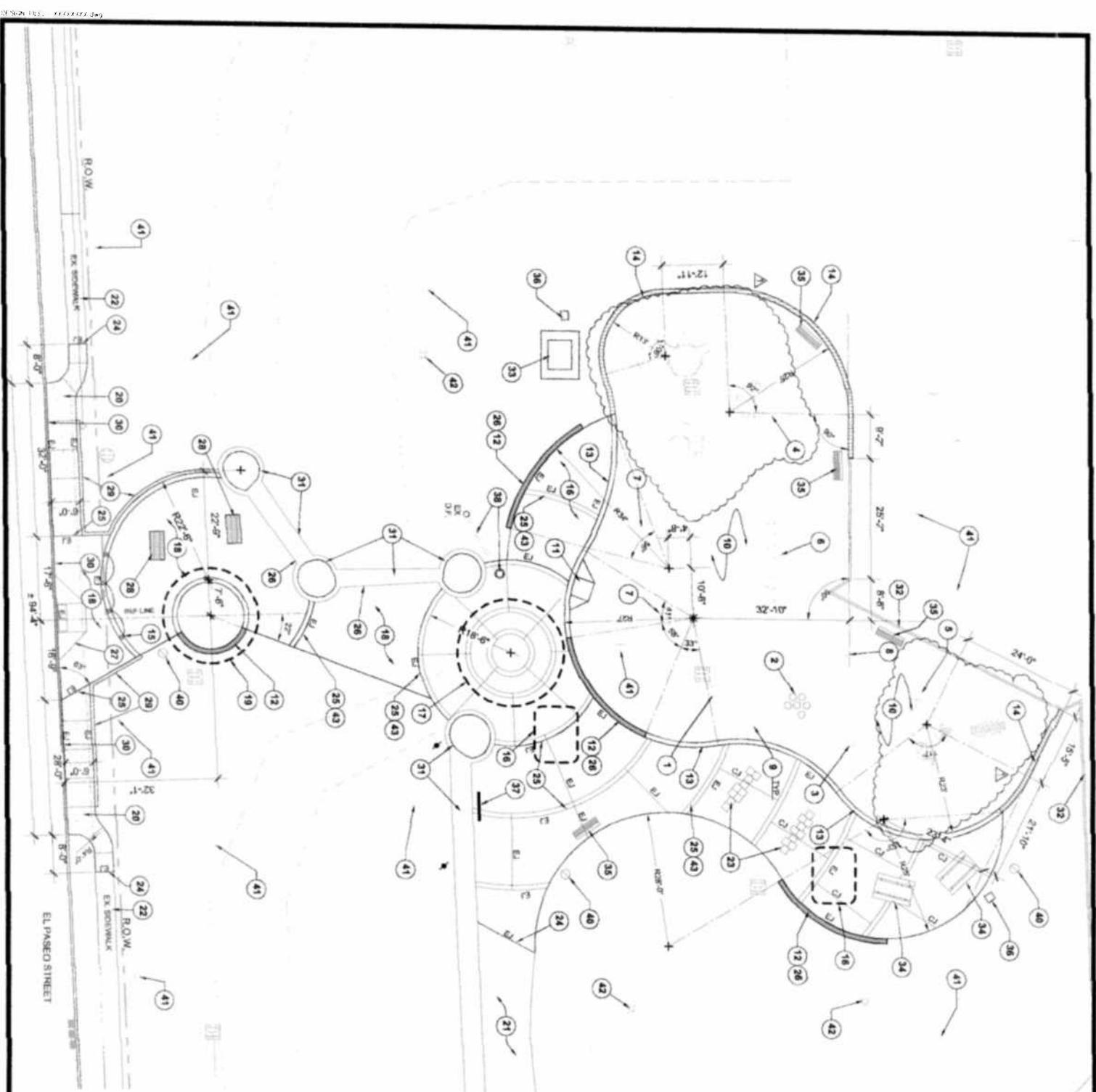
- 3.05 APPLICATION: Apply coatings by airless spray unless brush or roller is scheduled, in accordance with manufacturer's directions. Brushes best suited for type of material being applied may be used only for minor touch-up of primers and barrier coats in inconspicuous areas. Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by manufacturer for material and texture required.
- A. Provide finish coats which are compatible with prime paints used.
  - B. The number of coats and coating film thickness required is same regardless of the application method. Each coat must be applied and cured in accordance with manufacturer's printed application instructions Do not apply succeeding coats until previous coat has cured as recommended by coating manufacturer. Sand between coat applications where required to produce an even, smooth surface in accordance with coating manufacturer's directions.
  - C. Apply additional coats when undercoats or other conditions show through final coat until the cured film is of uniform finish, color and appearance.
- 3.06 PROTECTION OF SURROUNDING FINISHES AND SURFACES: Contractor shall protect existing and proposed site features from overspray and paint drip by whatever best management practices the Contractor determines. The Contractor shall immediately clean up any paint spray or paint drip on surrounding surfaces at no additional cost to the Owner
- 3.07 COMPLETED WORK: Match approved samples for color, texture and coverage. Remove, refinish, or recoat work not in compliance with specified requirements.
- 3.08 CLEAN-UP: During Work, remove from Project Site discarded materials, rubbish, cans, and rags resulting from work. Upon completion of work, clean all coating-spattered surfaces. Remove spattered materials by proper methods of washing and scraping, using care not to damage finished surfaces.
- 3.09 PROTECTION OF WORK
- A. Protect work of other trades, whether to be coated or not, against damage. Correct damage by cleaning, repairing or replacing, and recoating, as directed by Architect. Leave work in undamaged condition.
  - B. Provide "Wet Paint" signs as required to protect finishes if needed. After coating application and cure, remove temporary masking and other protective wrappings and provide legal disposal.

END OF SECTION 09911

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1. L.O.T. NUMBER, ORIGINATOR. SEE DETAIL M, SHEET L&T.
2. WASHINGTON STEWARDS. SEE DETAIL M, SHEET L&T.
3. SADDLE SPINNER. SEE DETAIL M, SHEET L&T.
4. 5-12' PLAY STRUCTURE. SEE DETAIL M, SHEET L&T.
5. 2-6' PLAY STRUCTURE. SEE DETAIL M, SHEET L&T.
6. 2-6' PLAY STRUCTURE. SEE DETAIL M, SHEET L&T.
7. CLIMBING SPINNER. SEE DETAIL M, SHEET L&T.
8. SAFETY WALL DOVE. PRESERVE ACTIVITY'S OR CONSTRUCTION.
9. ANCHORED HANGWOOD / FALL SURFACE. SEE DETAIL M, SHEET L&T.
10. ANCHORED HANGWOOD / FALL SURFACE. SEE DETAIL M, SHEET L&T.
11. ANCHORED HANGWOOD / FALL SURFACE. SEE DETAIL M, SHEET L&T.
12. SALTWATER WALL. SEE DETAIL M, SHEET L&T.
13. SHEET PILING AND CONCRETE BENTON AT PAVEMENT. SEE DETAIL M, SHEET L&T.
14. NEW PLAYGROUND CONCRETE SPUR. SEE DETAIL M, SHEET L&T.
15. SLO-LAND. SEE DETAIL M, SHEET L&T.
16. SPECIAL PAVING AT PLAYGROUND. SEE DETAIL M, SHEET L&T.
17. SPECIAL PAVING AT PLAYGROUND. SEE DETAIL M, SHEET L&T.
18. SPECIAL PAVING GRASS AT ENTRY. SEE DETAIL M, SHEET L&T.
19. 5'-0" WIDE NATURAL GRAY CONCRETE SIDEWALK. PROVIDE A SMOOTH TRANSITION TO EXISTING PAVEMENT. SEE DETAIL M, SHEET L&T.
20. POWERWAGON CLEAN EXISTING CONCRETE PAVING WITH L&T 200PSI SPRAYER. CLEAN, REPAIR JOINTS, AND RESEAL.
21. HORIZONTAL PAVEMENT. SEE DETAIL M, SHEET L&T.
22. EXPANSION JOINT AT EXISTING CONCRETE PAVEMENT. SEE DETAIL M, SHEET L&T.
23. EXPANSION JOINT AT EXISTING CONCRETE PAVEMENT. SEE DETAIL M, SHEET L&T.
24. EXPANSION JOINT AT EXISTING CONCRETE PAVEMENT. SEE DETAIL M, SHEET L&T.
25. EXPANSION JOINT AT EXISTING CONCRETE PAVEMENT. SEE DETAIL M, SHEET L&T.
26. EXPANSION JOINT AT EXISTING CONCRETE PAVEMENT. SEE DETAIL M, SHEET L&T.
27. PLACE EXISTING GRANITE SLABES INTO CONCRETE. SEE DETAIL M, SHEET L&T.
28. NEW CONCRETE SLAB. SEE DETAIL M, SHEET L&T.
29. NEW CONCRETE CURB AND GUTTER. SEE DETAIL M, SHEET L&T.
30. REPAIR & REPLACE CURB AND GUTTER OF EXISTING STONE WALL ON THE WEST SIDE OF THE PLAYGROUND. SEE DETAIL M, SHEET L&T.
31. REPAIR & REPLACE CURB AND GUTTER OF EXISTING STONE WALL ON THE WEST SIDE OF THE PLAYGROUND. SEE DETAIL M, SHEET L&T.
32. REPAIR & REPLACE CURB AND GUTTER OF EXISTING STONE WALL ON THE WEST SIDE OF THE PLAYGROUND. SEE DETAIL M, SHEET L&T.
33. PAVING TABLE WITH CONCRETE PAD. SEE DETAIL M, SHEET L&T.
34. ADA ACCESSIBLE PAVING TABLE. SEE DETAIL M, SHEET L&T.
35. BENCH. SEE DETAIL M, SHEET L&T.
36. BENCH. SEE DETAIL M, SHEET L&T.
37. BENCH. SEE DETAIL M, SHEET L&T.
38. RELOCATE EXISTING DRAINAGE FOUNTAIN WITH EXTEND 1" SLOPE TO 1" SLOPE. V LINE AND 1" SLOPE TO DRAIN LINE. CONTRACTOR TO CLEAN OUT DRAIN LINE AS NEEDED.
39. EXISTING DRAINAGE FOUNTAIN LOCATION REMOVE & RELOCATE.
40. EXISTING DRAINAGE FOUNTAIN REMOVE & RELOCATE.
41. EXISTING DRAINAGE FOUNTAIN REMOVE & RELOCATE.
42. EXISTING DRAINAGE FOUNTAIN REMOVE & RELOCATE.
43. 1" CONCRETE BAND. SEE DETAIL M, SHEET L&T.

**2 PLAN NOTES**

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED LANDSCAPE WALLS AND ELEMENTS. ANY AND ALL SURVEYING CORRECTIONS FOR THE PROPOSED LANDSCAPE ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- B. THE CONTRACTOR SHALL LAYOUT ALL PROPOSED LANDSCAPE ELEMENTS IN THE FIELD FOR APPROVAL BY LANDSCAPE ARCHITECT COMMENTS.
- C. CONTRACTOR RESPONSIBILITY FOR LAYOUTING SLURRY LITERIES THAT ARE OUT OF CONTRACTOR'S EXPENSE. IF CONTRACTOR BELIEVES SLOPE PORTION OF ANY UTILITY DOES NOT WORK BEFORE CONSTRUCTION, IT SHOULD BE CORRECTED WITH OWNER PRESENT FOR ON-SITE INSPECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITIES INCLUDING, BUT NOT LIMITED TO, TRAILER, BENCHES, AND PLAYING AREA.

**1 GENERAL NOTES**

ISSUE LOG	
NO.	DESCRIPTION
1	08/19/2014 1028 CD
2	07/11/2014 ADDENDUM #1

CONSULTANT(S):  
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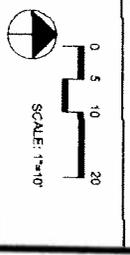


PROJECT NAME:  
**SCHERPE PARK**  
**1801 EL PASO ST.**  
**HOUSTON, TX 77054**



**CITY OF HOUSTON**  
 GENERAL SERVICES  
 DEPARTMENT

REVIEWED:  
 [Signature]  
 [Signature]



SHEET NO.:  
**L302**  
 7 OF 20 SHEETS  
 CITY DWG. NO.:



