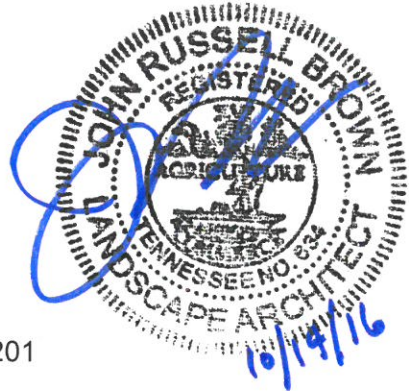


**ADDENDUM NUMBER ONE**

**CHARLES A. BELL PARK**



**PROJECT:** Charles A. Bell Park

**BWSC JOB NUMBER:** 36403-00

**OWNER:** City of Chattanooga  
Contract Number: R-14-010-201

**ENGINEER:** BARGE, WAGGONER, SUMNER & CANNON, INC.  
1110 Market Street  
Chattanooga, Tennessee 37402

**ADD. NO. 1 ISSUED DATE:** October 14, 2016

**BID DATE:** October 27, 2016, 2:00 PM LOCAL TIME

**ALL BIDS SHALL CONFORM TO THIS ADDENDUM:**

This addendum is an amendment to the Bid Documents for the referenced project, and as such will be made part of the Contract Documents. Acknowledge receipt of this addendum on the Bid Proposal. Failure to do so may subject the Bidder to disqualification.

**A. CONTRACT DOCUMENTS**

- ITEM A1: Document 00300 – Bid Form: Added line items for Undercut, Cement treatment for Base Stone, Wet Meadow Seed Mix, Moist Meadow Seed Mix, and Infiltration Basin to the Base Bid; Deleted Items for 12" and 24" HDPE Pipe, Observation Port, and Additive Alternate No. 3; Revised plant quantities on Bid Form; Updated line item numbers.
- ITEM A2: Document 01150 – Measurement and Payment: Revised Measurement and Payment items to match revised Bid Form.

**B. QUESTIONS / CLARIFICATIONS**

- ITEM B1: Pre-Bid Meeting Agenda, Meeting Minutes, Sign-In Sheet, and Phasing Plan are attached.
- Please note: Based on comments received from bidders at the pre-bid meeting, the Owner has decided to simplify the phasing sequence described at the pre-bid meeting by revising the grading plan for the site. A revised grading plan will be issued in the next week, which will depict imported fill to establish the proposed subgrade for the site being completed under the existing City contract. No imported fill will be required under this contract except for the imported topsoil. Therefore the entire site will be available at the beginning construction for this project.

ITEM B2: QUESTION: What is the environmental contaminate under the soil cap?

RESPONSE: The contaminants most prevalent above the residential standard in original surface soils under the soil cap are Polynuclear Aromatic Hydrocarbons (PAHs). The existing soil cap was designed to limit general public and worker contact with these contaminants. The contractor will be required to prepare a SOIL MANAGEMENT PLAN in the event that operations (such as tree planting, or installation of storm water management facilities) disturb the existing cap. This plan will include methods of identifying the original surface soils that may be encountered during excavation, and actions to be taken if penetration of the full cover thickness occurs. Such actions should include but not be limited to: methods of segregation of the clean cover material and the impacted soils, how contaminated soils will be managed, and how runoff from the contaminated soils will be managed. The SOIL MANAGEMENT PLAN must be submitted by the contractor to TDEC for approval. The contractor should submit the SOIL MANAGEMENT PLAN early in the process so that the schedule will not be impacted.

ITEM B3: QUESTION: What level of environmental training/certification is required to work on the project? Is OSHA 10 Hour or lead base training required? Are there any access control requirements related to the environmental site conditions?

RESPONSE: OSHA and Lead base training is not required. There are not any access controls specifically required for the site related to the environmental conditions beyond the standard requirements for contractors to secure the project site. Workers should be trained in:

- Recognition of fill soil/contaminated soil interface
- The contents and application of the SOIL MANAGEMENT PLAN
- The use and care of the appropriate Personal Protective Equipment

ITEM B4: QUESTION: Does infiltration bed need to be amended with sand?

RESPONSE: Yes, the top 12" of sub grade soil should be amended with 20% sand by volume prior to placement of topsoil.

ITEM B5: QUESTION: Do we have measures in the specs for cold weather asphalt and concrete?

RESPONSE: Yes, the specifications include instructions on cold weather concrete/asphalt placement.

ITEM B6: QUESTION: Will CTB be included in the road base?

RESPONSE: A line item for amending the base stone with cement treatment after authorization by the Owner has been added to the revised bid form, if CTB is required due to unforeseen site conditions. CTB is to be in accordance with Section 309 of the 2015 TDOT Standard Specifications for Road & Bridge

Construction. Bidders are to note that the cost of this line item is to be as described in the measurement and payment section.

ITEM B7: QUESTION: Is there a line item for undercut if soft soils are encountered?

RESPONSE: A line item for undercut after authorization by the Owner has been added to the bid form and measurement and payment.

ITEM B8: QUESTION: Is there a separate line item for fine grading of the Phase 1 subgrade as a part of this contract in the Phase I area?

RESPONSE: There is not a separate pay item for fine grading. Any excavation for footings or to set subgrade or fine grading required will be considered incidental to the work associated with the proposed improvements.

ITEM B9: QUESTION: What areas will be irrigated?

RESPONSE: Only the sodded area inside the walking track is to be irrigated as depicted on Sheet L1.01.

ITEM B10: QUESTION: The bid date and time on the City web site is not correct.

RESPONSE: The bid date for the project is October 27, 2016 at 2:00 PM at the City of Chattanooga Purchasing Department.

## **C. DRAWINGS**

ITEM C1: Cover Sheet: Updated sheet index to reflect drawing revisions and additions.

ITEM C2: Sheet L1.01: Revised overall Landscape Plan.

ITEM C3: Sheet L1.02: Revised Landscape Plan

ITEM C4: Sheet L7.02: Revised plant schedule quantities and added seed quantities.

ITEM C5: Sheet E3-0: Electrical Site Plan

ITEM C6: Sheet E3-0: Electrical Site Plan

This addendum consists of 21 Pages and 6 Drawings.

END OF ADDENDUM NO. 1

Bid Form  
Contract R-14-010-201  
City of Chattanooga  
Charles A. Bell Park

Item No.	Description	Unit	Quantity	Unit Price	Item Total
<b>BASE BID SITE IMPROVEMENTS</b>					
	<b>General Site</b>				
1	Mobilization	LS	1		
2	Imported Topsoil (Off Site)	SY	3,800		
3	Maintenance of Existing Erosion Control	LS	1		
4	Undercut	CY	100		
	<b>Pavement</b>				
5	Asphaltic Concrete Pavement and Base Stone	SY	1,900		
6	Cement Treatment for Base Stone	SY	1,900		
7	Reinforced Turf Parking w/Stone	SF	2,200		
8	Reinforced Turf Parking	SF	550		
9	6" Extruded Curb	LF	600		
10	Flush Curb	LF	440		
11	Parking Space Lines/Markings	LF	300		
12	Wheel Stops	EA	20		
13	1/4 Mile Walking Path (6' Wide Concrete)	SF	12,100		
14	Concrete Walk/Plaza	SF	4,900		
15	Concrete Pavers	SF	2,600		
	<b>Buildings</b>				
16	Pavilion/Restroom Building	LS	1		
	<b>Utilities</b>				
17	Parking Lot Light Poles & Foundations	EA	4		
18	Conduit and Wire	LF	1,960		
19	Electrical Service	LS	1		
20	Sewer Service (6" PVC)	LF	150		
21	Water Service (2" PVC)	LF	150		
22	Water Meter/Service	EA	1		
	<b>Site Furnishings</b>				
23	Bike Racks	EA	2		
24	Bike Repair Station	EA	1		
25	Benches	EA	28		
26	Trash Receptacles	EA	12		
27	Grills	EA	2		
28	Picnic Tables	EA	6		
29	Interpretive Signage	EA	1		
30	Park Entry Signage	EA	1		
31	Regulatory Signage	EA	4		
<b>LANDSCAPING</b>					
	<b>Trees</b>				
32	AA - Trident Maple	EA	6		



Bid Form  
Contract R-14-010-201  
City of Chattanooga  
Charles A. Bell Park

Item No.	Description	Unit	Quantity	Unit Price	Item Total
33	BN - Duraheat River Birch	EA	26		
34	CC - Forest Pansy Redbud	EA	5		
35	GH - Halka Ginkgo	EA	5		
36	LH - Happidaze Sweet Gum	EA	1		
37	PC - Chinese Pistache	EA	0		
38	QL - Overcup Oak	EA	1		
39	UP Princeton Elm	EA	6		
	<b>Shrubs and Grasses</b>				
40	FGB - Blue Mist Fothergilla	EA	20		
41	HMB - Blushing Bride Hydrangea	EA	14		
42	HQP - Oakleaf Hydrangea	EA	32		
43	IB - Blue Princess Holly	EA	4		
44	IVH - Henry's Garnet Sweetspire	EA	0		
45	IL - Virginia Sweetspire 'Little Henry'	EA	174		
46	MSA - Adagio Eulalia Grass	EA	134		
47	MC - Pink Muhly Grass	EA	36		
48	PH - Blue Switch Grass	EA	30		
49	PVS - Shenendoah Switch Grass	EA	65		
50	PHM - Hameln Dwarf Fountain Grass	EA	104		
	<b>Groundcover</b>				
51	CA - Maysville Daisy	EA	946		
52	EC - Coloratus Purple Wintercreeper	EA	111		
53	Sod	SF	114,500		
54	Seed	SF	71,740		
55	Moist Meadow Seed Mix	SF	1,850		
56	Wet Meadow Seed Mix	SF	4,300		
57	Design Build Irrigation System	LS	1		
58	Infiltration Basin	SF	6,151		
	<b>TOTAL BASE BID:</b>				

Bid Form  
 Contract R-14-010-201  
 City of Chattanooga  
 Charles A. Bell Park

Item No.	Description	Unit	Quantity	Unit Price	Item Total
<b>Additive Alternates</b>					
59	1 - Quick Brick on Pavilion	LS	1		
60	2 - Ceiling in Pavilion	LS	1		
	<b>Additive Alternates Subtotal:</b>				
<div style="display: flex; justify-content: space-between;"> <div><b>TOTAL BASE BID + ALTERNATES</b></div> <div>\$ _____</div> </div>					
<div style="display: flex; justify-content: space-between;"> <span>Bidder: _____</span> <span>Date: _____</span> </div>					
<div style="display: flex; justify-content: space-between;"> <span>By: _____</span> <span>(Signature) Title: _____</span> </div>					
Address: _____					
<div style="display: flex; justify-content: space-between;"> <span>City: _____</span> <span>State _____</span> <span>Zip Code: _____</span> </div>					
Telephone Number _____					

## **SECTION 01150**

### **MEASUREMENT AND PAYMENT**

#### **PART 1 - GENERAL**

##### **1.01 SCOPE**

This section describes the methods by which measurement will be made of the quantities for which payment will be made for the project. It is the intention of this Specification that payment will be made for those items listed in the Bid Schedule only. All items of work not specifically listed in the Bid Schedule shall be included in the prices for the various items listed on the bid schedule.

Measurement for payment on a unit price basis shall be as described below. Payment for each unit installed shall be made according to the unit price bid, as listed in the Bid Form. Only those items appearing in the Bid Form will be considered for payment on a unit price basis. Individual bid items may be performed under lump sum (LS) units.

Even though an item of work is included in the technical specifications, if it is not both covered herein and specifically itemized in the Bid Form, payment for it shall not be separately made. Such work shall be considered a necessary part of or incidental to its related work.

The quantities set forth in the Bid Form are approximate and are given to establish a uniform basis for the comparison of Bids. The Owner reserves the right to increase or decrease the quantity of any class or portion of the work during the progress of construction in accordance with the terms of the Contract. Unit prices are used as a means of computing the final figures for Bid and Contract purposes, for periodic payments for work performed, for determining value of additions or deletions and wherever else as is reasonable.

Notwithstanding any other Sections, paragraphs, sentences, or words in the Contract Documents, payments shall not be made for work not performed, materials not supplied and/or any other item/items for which the Owner does not receive the benefit described or intended.

#### **PART 2 - PRODUCTS**

##### **2.01 MEASUREMENT AND PAYMENT**

Partial payment shall be made for approved materials stored at the project site at the presentation of material invoices in the proper manner.

## PART 3 - EXECUTION

### 3.01 OTHER SECTIONS

Section 01080 Applicable Codes and Standards  
Section 01090 Abbreviations  
Section 01150 Measurement and Payment  
Section 01220 Progress Meetings  
Section 01300 Submittals  
Section 01620 Transportation and Handling  
Section 01630 Storage and Protection  
Section 01700 Cleaning  
Section 01720 Project Record Documents  
Section 01730 Guarantees and Warranties  
Section 03110 Concrete Formwork

### 3.02 BID ITEM NO. 1, MOBILIZATION

- A. Mobilization and general project administration related costs will be paid as specified in DIVISION 1: GENERAL CONDITIONS, Section 01717, Construction Facilities, Permits, Bonds, Temporary Controls, Contract Closeout and other items related to the general construction and management of the project. Measure as a lump sum item and paid in accordance with percentage of completion of total project.

### 3.03 BID ITEM NO. 2, IMPORTED TOPSOIL (OFF-SITE)

- A. Imported topsoil shall be for importing/ furnishing, preparing, placing and spreading acceptable topsoil material on the site as suitable for use according to contract documents. Payment for this item shall be at the unit price per square yard in place at the specified depth for topsoil provided as measured on site. This price shall be full compensation for importing/ furnishing, preparing, placing and spreading of the topsoil including furnishing of all labor, materials, and equipment required to complete the item.
- B. Payment for finish grading is not a pay item. It shall be considered and designated a necessary part of the construction and part of unit prices bid for topsoil spreading.

### 3.04 BID ITEM NO. 3, MAINTENANCE OF SLOPE PROTECTION AND EROSION CONTROL

- A. Measurement and Payment
1. Measurement and payment for maintaining temporary silt fence, baled straw checks, temporary sediment basins or other erosion control devices, shall be for the materials labor, equipment, etc., for the complete maintenance of all erosion control measures in place at the time the Contractor mobilizes to the site, and as shown on Drawings.

2. No separate payment shall be made for incidental or unlisted erosion control measures or for cleaning and/or replacement of any measures which become loosened, torn, undermined, or washed out. The cost of this work is to be included in the unit price bid for this item.

3.05 BID FORM ITEM NO. 4, UNDERCUTTING AND BACKFILL

- A. Undercutting and backfill shall be the removal of unsuitable material below the existing grade and replacing the material with suitable backfill material, either soil material, or crushed stone as authorized in advance by the owner's representative. Backfill material shall be compacted to specified units. Payment for this item shall be for the unit price per cubic yard of material removed in the natural state as shown in the Bid Form.

3.06 BID ITEM NO. 5, ASPHALTIC CONCRETE PAVEMENT AND BASE STONE

- A. The work under this item includes hot mix asphalt paving, and will be measured in place and paid for at the contract unit price as listed on the bid form and as depicted in the construction documents. Price and payment will be full compensation for subgrade preparation (including proof rolling), furnishing and installing compacted base stone (including proof rolling), furnishing and applying prime coat and tack coat, furnishing and installing asphalt binder and topping as shown on the typical pavement sections for asphalt pavements. Payment includes all work associated with this item including all materials, labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications.

3.07 BID ITEM NO. 6, CEMENT TREATMENT FOR BASE STONE

- A. The work under this item includes cement treatment for base stone, and will be measured in place and paid for at the contract unit price as listed on the bid form. Price and payment will be full compensation for furnishing, wetting, and mixing cement treatment added to the base stone. Payment includes all work associated with this item including all materials, labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications.
- B. Compensation for subgrade preparation (including proof rolling) and installing compacted base stone (including proof rolling), is included in the cost for bid item No. 5 for Asphaltic Concrete pavement and base stone and should not be included in this line item.

3.08 BID ITEM NOS. 7-8, REINFORCED TURF PARKING W/STONE

- A. The work under this item will be measured in place and paid for at the unit price bid for the proposed reinforced turf parking installed on site. Payment will be full compensation for furnishing and placing all materials associated with reinforced turf parking, including subgrade preparation (including proof rolling), installation of material, stone, sod, and incidentals as shown on the Drawings, and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed reinforced turf



parking. This work shall include, but is not limited to, all excavation, subgrade preparation, materials, stone, finishing, and incidentals necessary to complete the work described in the drawings and specifications for the reinforced turf parking.

3.09 BID NO. 9, 6" EXTRUDED CURB

- A. The work under this item will be measured in place and paid for at the contract unit price listed on the bid form and as depicted in the construction documents. Payment will be full compensation for preparation of the surface for the concrete curb including any required stone under the curb, furnishing, placing, and finishing the concrete, and for all work associated with this item including all materials labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications.

3.10 BID ITEM NO. 10, FLUSH CURB

- A. The work under this item will be measured in place and paid for at the contract unit price listed on the bid form and as depicted in the construction documents. Payment will be full compensation for preparation of the subgrade for the flush curb including any required stone under the curb, furnishing, placing, and finishing the concrete, and for all work associated with this item including all materials labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications.

3.11 BID NO. 11, PAVEMENT SPACE LINES / MARKINGS

- A. The work under this item includes all yellow, blue, and white pavement markings (including ADA parking pavement markings) applied with traffic paint and signs and posts as depicted in the construction documents. Payment will be made at the lump sum price bid and shall be full compensation for all work associated with this item including all materials, labor, equipment, tools, and incidentals necessary to complete the striping and signing described in the drawings and specifications.

3.12 BID NO. 12, WHEEL STOPS

- A. The work under this item will be measured in place and paid for by the contract unit price as listed on the bid form and as depicted in the construction documents. Price and payment will be full compensation for supplying and installing the wheel stops including required pins to anchor the wheel stops in place. Payment includes all work associated with this item including all materials, labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications.

3.13 BID ITEM NO. 13-14, CONCRETE WALKS/ PLAZAS

- A. The accepted quantities concrete walks and plazas measured in place and will be paid at the contract unit price bid for the respective items. Payment will be full compensation for preparation of the subgrade, furnishing and installing any required stone under the concrete, and furnishing, placing, and finishing the

concrete and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed concrete. This work shall include, but is not limited to, all excavation, subgrade preparation, site work, concrete, stone base, and finishes described in the drawings and specifications.

#### 3.14 BID ITEM NO. 15, CONCRETE PAVERS

- A. The work under this item will be measured in place and paid for at the contract unit price bid for the proposed pervious pavers installed on site. Payment will be full compensation for subgrade preparation, furnishing and installing required stone base, furnishing and placing pervious pavers, furnishing and placing all bands required to lock pavers in place and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed pervious pavers. This work shall include, but is not limited to, all excavation, site work, concrete, masonry, electrical, mechanical equipment, plumbing, lighting, foundations, geotextile fabric, base stone, joint sand, finishing, and incidentals necessary to complete the work described in the drawings and specifications for the pervious pavers.

#### 3.15 BID ITEM NO. 16, PAVILION / RESTROOM BUILDING

- A. The work under this item will be paid for as at the lump sum price bid amount for the proposed building installed complete in-place on site. Payment will be full compensation for furnishing and placing all materials and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed building. This work shall include, but is not limited to, all excavation, site work, materials, concrete, masonry, electrical, mechanical equipment, plumbing, lighting, foundations, fixtures, finishing, connection to utility services (power, water, sewer), and incidentals necessary to complete the work described in the drawings and specifications for the building.

#### 3.16 BID ITEM NOS. 17-19, UTILITIES (ELECTRICAL)

- A. The work under this item will be measured in place and paid for at the unit price bid for the proposed utility work items listed in the bid form. Payment will be full compensation for furnishing and placing all materials and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed utility work. This work shall include, but is not limited to, all materials, excavation, site work, conduit, trenching, wiring, and electrical connections, and the tap/meter fees to energize the system.

- B. Unclassified excavation for electrical work is not a pay item. It shall be considered and designated a necessary part of the construction, and unit prices bid for electrical with which unclassified excavation is connected shall be full compensation for this item and for all labor, materials, and equipment required to complete the item in accordance with the drawings and specifications.
- C. Compacted granular backfill and concrete encasement are not pay items. It is to be included in the electrical pay item. Such payment shall constitute full compensation for the performance of all work items necessary for and incidental to the completion of the work and for the furnishing of all labor, tools, equipment, and incidentals necessary and appurtenant to the completion of this item to the satisfaction of the Engineer.

### 3.17 BID ITEM NO. 20, POLYVINYL CHLORIDE SEWER AND SERVICE PIPE

#### A. Measurement

1. The quantities of pipe sewers and service lines, including unclassified excavation, for which payment will be allowed shall be expressed in linear feet for each size and type of pipe and applicable depth as shown in the Bid Schedule and shall be the horizontal length of sewer installed complete in place as measured along the centerline of the sewer with no deductions made for tee connections, cleanouts, or manholes. The applicable vertical depth shall be measured from the original ground surface to the invert of the sewer and shall be as shown in the Bid Schedule and plugged stubs and Fernco Couplings for which payment will be allowed shall be the actual number of each size and type furnished and installed by the Contractor.
2. Reinforcing steel, unclassified trench excavation, concrete, pipe protection and/or encasement, crushed rock, gravel, or other approved bedding materials, and Class C bedding, air testing, CCTV testing, deflection testing, and other sections of work not specifically listed in the Bid Schedule shall not be separately measured and paid for but costs for same shall be included in the unit price bid for other sections of work.
3. The quantities of connecting risers for which payment will be allowed shall be expressed in linear feet of pipe and bends and shall be the vertical length of riser installed in place as measured along the centerline of the riser from the centerline elevation of the sewer line to the top of the riser connection as shown on the Drawings. No separate payment will be made for bends, concrete or plastic film markers used in this construction, payment therefor being included in the linear feet of riser pipe paid for in this category.

#### B. Payment

1. Payment for pipe sewers, service lines, tees, risers, plugged stubs, and connections to existing sewers constructed under these specifications shall be made for the quantities determined in the manner specified above at the

contract price per linear foot or per each, as applicable, for each of the applicable pipe and special sizes and types listed in the contract pay items in the Bid Schedule.

2. No separate payment shall be made for concrete and bedding material furnished and placed under this Specification. The cost of this item shall be included in the unit prices bid for service lines in the Bid Schedule.
3. No separate payment shall be made for furnishing and installing stoppers. The cost of this item shall be included in the unit prices bid for other items of work done in the Bid Schedule.
4. No separate payment shall be made for furnishing and installing adapters, bends, increasers and tees, plastic film markers, cleanouts, and other fittings and accessories in the building service lines. The cost of these shall be included in the unit prices bid for service lines in the Bid Schedule.
5. No separate payment shall be made for connections to existing sewers and to manholes or inlets unless called for on the plans. The cost of this work shall be included in the unit price bid for other items of work.
6. No separate payment shall be made for any unclassified or borrow excavation, clearing, or backfill in connection with sewer line construction. The cost of these items shall be included in the unit price bid for pipe sewers.
7. These amounts shall cover the cost of furnishing all materials, tools, labor, plant, equipment, services, and other expense in connection with unclassified trench excavation and furnishing and installing all items of work herein specified and when so paid, shall constitute full compensation to the Contractor.
8. No separate payment shall be allowed for pressure testing of PVC pipe. Costs for this shall be included in the unit price bid in the Bid Schedule for PVC pipe.

### 3.18 BID ITEM NOS. 21 - 22, UTILITY (WATER)

- A. Payment for furnishing and installing water lines will be made at the Contract Unit Price per Linear Foot for each pipe size listed in the bid form, and shall include all necessary equipment, labor and materials for the furnishing and laying of the pipe; dewatering if required; construction of concrete thrust blocks; special restrained joints as required; clamps; harnessing; adapters; excavation of all material encountered including rock; backfill including borrow dirt or crushed stone for suitable material if required; replacement of grass, sod, gravel, asphalt or concrete paving for roads, shoulders, driveways, and any other paved surfaces disturbed as required and other surface materials not specifically designated in the Bid Proposal; clean up; sterilization, and tests.

- B. Measurement of the pipe will be to the nearest foot along the centerline including the lengths of the valves and fittings. Payment for iron pipe fittings is included in the pipe price. Payment shall be at the same unit price for pipe laid in the road right-of-way or on private easements.
- C. All crushed stone used on the project shall be included in the price of the pipe work.
- D. Payment for water meter service shall include materials, labor, equipment, and incidentals including pipe, vault, tapes, and appurtenances necessary. Unit price bid shall include all meter and tap fees required by the utility provider.

3.19 BID ITEM NOS. 23 - 31, SITE FURNISHINGS

- A. The work under this item will be measured per each in place and paid for at the unit price bid each for the proposed site furnishings depicted in the construction documents. Payment will be full compensation for furnishing and placing all materials and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed pervious paving. This work shall include, but is not limited to, all excavation, site work, materials, concrete, connections/anchors, finishing, and incidentals necessary to complete the work described in the drawings and specifications for the item.

3.18 BID ITEM NOS. 32 - 52, LANDSCAPE PLANTING - TREE, SHRUBS, GROUNDCOVER, SEASONAL COLOR

- A. Plant material shall be measured by the contract unit basis for each plant installed. This unit price shall be full compensation for all labor, materials, delivery, and installation required for and incidental to the work in accordance with the drawings and specifications. Unit price for each plant should include required soil amendments within the planting pit and mulch covering the landscape bed around the plants.
- B. It is the intent of the Owner to have the Contractor install the trees, shrubs, groundcover depicted in the construction documents which constitutes the base bid for the project. The Owner reserves the right to add or delete trees, shrubs, groundcover for the project according to the unit prices provided on the bid form.

3.19 BID ITEM NO. 53, SODDING

- A. Payment shall be made at the contract unit price per square feet for sodding as measured in place and paid as shown in the Bid Form, which shall be full compensation for all preparation of ground, application of fertilizer and lime, installation of sod, and furnishing all labor, materials, and equipment necessary to provide an acceptable growth on the areas planted. See Drawings for specific areas and additional information.



3.20 BID ITEM NO. 53-56, SEEDING AND MULCHING

- A. Measurement and payment for seeding and mulching shall be for all materials, labor, equipment, etc., necessary for the completion of work under this section shall be included in the unit price bid in the Bid Schedule.

3.21 BID ITEM NO. 57, DESIGN BUILD IRRIGATION

- A. The work under this item will be paid for as at the lump sum price bid amount for the proposed DESIGN BUILD IRRIGATION SYSTEM. Price and payment will be full compensation for design, furnishing and placing all materials and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed irrigation system. This work shall include, but is not limited to, all excavation, site work, materials, and incidentals necessary to complete the work described in the drawings and specifications for the irrigation system.

3.22 BID ITEM NO. 58, INFILTRATION BASIN

- A. Measurement and payment for the infiltration basins shall be for all materials, labor, equipment, etc., necessary for the completion of work under this section shall be included in the unit price bid in the Bid Schedule.

3.23 BID ITEMS NO. 59 - 60, ADDITIVE ALTERNATES

- B. The work under this item will be paid for as at the lump sum price bid amount for the proposed additive alternates installed on site. Price and payment will be full compensation for furnishing and placing all materials and for all labor, equipment, tools, and incidentals necessary to complete the work described in the drawings and specifications for the proposed additive alternates. This work shall include, but is not limited to, all excavation, site work, materials, and incidentals necessary to complete the work described in the drawings and specifications for the additive alternates

END OF DOCUMENT



## PRE-BID MEETING AGENDA

**Date of Meeting:** October 13, 2016  
**Time:** 10:00 AM  
**Project:** Charles A. Bell Park  
City Contract No. R-14-010-201

**Location of Meeting:** Development Resource Center, Conference Room 2B  
**BWSC File No.:** 36403-00

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**PARTICIPANTS:** Please sign attendance sheet

### AGENDA ITEMS:

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- A. Introductions and Sign-in Sheet
- B. Bid Documents obtained at Chattanooga Purchasing
- C. Bid Opening Date is October 27, 2016 at 2:00 PM at Chattanooga Purchasing
- D. Questions submitted in writing to Purchasing (deadline 10 days prior to bid date)
- E. Answers only in writing via Addendum to purchasers of Bid Documents
- F. Project Description:

The construction of the proposed park improvements for the Charles A. Bell Park. This project will include grading imported fill and topsoil, site utilities, construction of new sidewalks, parking, access road, a picnic/restroom building, concrete walking path, site lighting, landscaping, and other park improvements.

G. Highlighted Project Elements:

1. Environmental Cap

There is an existing soil cap 2'-3' deep across the entire site, which encapsulates contaminated soils. The proposed improvements have been designed to minimize disturbance of this cap. Any disturbance to the cap requires coordination with TDEC.

2. Imported Fill/ Coordination with Existing City contract

In order to minimize disturbance of the existing soil cap, the Owner intends to import fill onto the site to facilitate construction of the proposed improvements. The proposed fill will be placed on site in accordance with the phases described below and depicted on the project Phasing Plan.

- a. Phase I – Approximately 6,000 CY of material will be placed at the north end of the site where the majority of the proposed improvements, including the building, parking lot, pedestrian circulation, and associated utilities will be located. This imported fill will be provided, placed, and compacted by the Owner under an existing City contract. The fill in Phase I will be placed prior to the start of the Charles A. Bell Park project construction.

5. Additive Alternates – The project includes the following 3 additive alternates to the base bid:
  - a. Alternate 1: Quick Brik on Pavilion: This alternate requires the contractor to provide Quick Brik to be installed as depicted in the Drawings and Specifications in lieu of CMU on the proposed building.
  - b. Alternate 2 – Ceiling in Pavilion: This alternate requires the contractor to provide a ceiling within the open pavilion space of the proposed building as specified in the drawings.
  - c. Alternate 3 – Imported Fill: This alternate requires the contractor to provide an unspecified volume of imported fill material to the Phase II project area up to a maximum amount of 5,000 CY.
6. Irrigation for the project is to be designed and built by the contractor according to irrigation specifications.

H. Addendum No. 1 – Anticipated Items

1. Pre-bid Meeting Agenda, Notes, and attachments
2. Electrical Site Plan, Sheet E3-0
3. Revised Landscape Plan with revisions to plantings around infiltration basins
4. Revised Landscape Plant Schedule/Quantities
5. Revised Bid Form with updated quantities and line items, change Alternate #3 from Tankless Water Heater to Imported Fill
6. Revised Section 01150 – Measurement and Payment to coordinate with Bid Form revisions

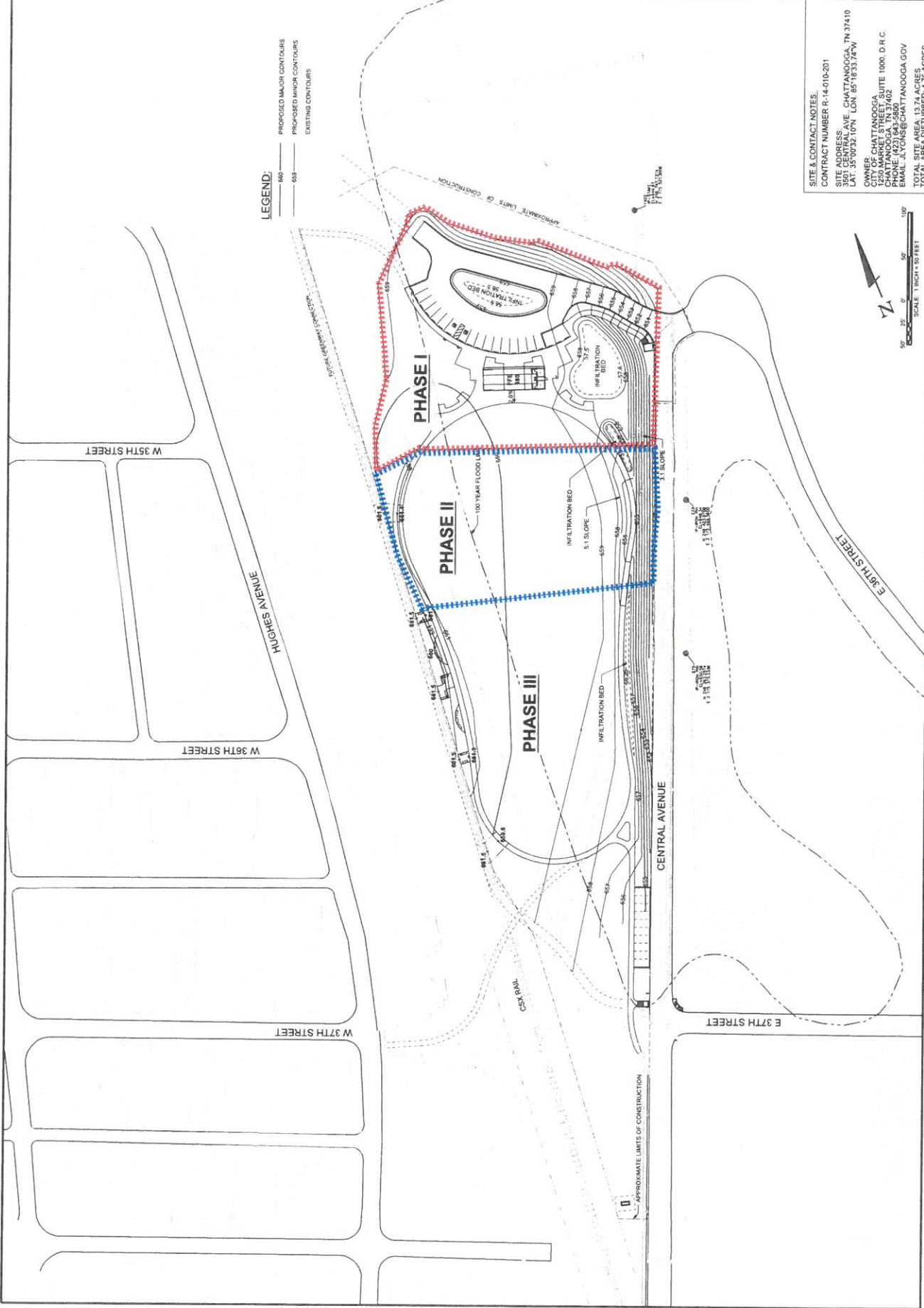
I. Project Schedule

- |  |             |
|--|-------------|
| • Addendum 1                               | October 14  |
| • Last Day for Questions                   | October 17  |
| • Addendum No. 2                           | October 21  |
| • Open Bids                                | October 27  |
| • Award Project                            | November 15 |
| • Notice of Award                          | November 17 |
| • Notice to Proceed                        | December 1  |
| • Begin Construction                       | January 2   |
| • Phase II & III released for construction | February 16 |
| • Complete Construction                    | April 2     |

J. Questions/Comments

K. Site is available for visit

NO.	DATE	DESCRIPTION
1	08/11/2016	ISSUED FOR PERMIT
2	08/11/2016	ISSUED FOR PERMIT
3	08/11/2016	ISSUED FOR PERMIT
4	08/11/2016	ISSUED FOR PERMIT
5	08/11/2016	ISSUED FOR PERMIT
6	08/11/2016	ISSUED FOR PERMIT
7	08/11/2016	ISSUED FOR PERMIT
8	08/11/2016	ISSUED FOR PERMIT
9	08/11/2016	ISSUED FOR PERMIT
10	08/11/2016	ISSUED FOR PERMIT



**SITE & CONTACT NOTES:**  
 CONTRACT NUMBER R-14-010-201  
 SITE ADDRESS: 3301 CENTRAL AVE., CHATTANOOGA, TN 37410  
 LAT: 35.0032 107N. LONG: 85.1633 74W  
 OWNER: CHATTANOOGA  
 1250 MARKET STREET, SUITE 1000, D.R.C.  
 CHATTANOOGA, TN 37402  
 PHONE: (423) 641-5800  
 EMAIL: JAYONS@CHATTANOOGA.GOV  
 TOTAL SITE AREA: 13.74 ACRES  
 TOTAL AREA DISTURBED: 4.76 ACRES





## SIGN-IN SHEET

PROJECT: R-14-010-201 CHARLES A BELL PARK 10/13/10 10AM DRQ-ZB

10:00	NAME	COMPANY	PHONE	EMAIL
1	BONNIE MUMFORD DODSON	COC	643 6031	BMUMPOWER@CHATTANOOGA.GOV
2	John Lyons	COC	423 421 4668	jlyons@chattanooga.gov
3	JONATHAN BUTLER	CED	423-643-7315	jbutler@chattanooga.gov
4	Akosua Cook	COC	643-6889	acook@chattanooga.gov
5	Aaron Smith	Thomas / Global	842-6233	asm@TBCF.com
6	John Brown	BWSC	756-3025	john.brown@bwsc.net
7	RUSSELL MOREHEAD	BWSC	756-3025	RUSSELL.MOREHEAD@BWSC.NET
8	Eric Booker	City of Chett	290-5707	ebooker@chattanooga.gov
9	LORI GPERLICH	City of Chattanooga	643-6889	lgorlich@chattanooga.gov
10	James Bergdoll	"	643-5961	jbergdoll@chattanooga.gov
11	JASON BLACK	P&C Construction	423-493-0058	jblack@pc-const.com
12	Aaron Back	J&J Contractors	423-268-3233	aaron@jjcontractors.com
13	Daniel Smith	Thomas Brothers	423-842-6233	daniel@tbcinc.net
14	Dennis Malone	COC - Phil Enix	643-6188	dmalone@chattanooga.gov
15	2:00 MEETING			
16	Dean Briggs	Wright Brothers	423-336-2261	dbriggs@wbcc.com
17	John Brown	BWSC	756 3025	JOHN.BROWN@BWSC.NET
18	BONNIE MUMFORD DODSON	COC	643-6031	BMUMPOWER@CHATTANOOGA.GOV
19	DENNIS MALONE	COC	643-6188	DMALONE@CHATTANOOGA.GOV
20				
21				
22				



**MEETING NOTES  
PRE-BID MEETING**

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**Date of Meeting:** October 13, 2016 at 10:00 am and 2:00 pm  
**Project:** Charles A. Bell Park / R-14-010-201  
**Meeting Location:** Development Resource Center, Conference Room 2B  
**BWSC File No.:** 36403-00

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**PARTICIPANTS (attached sign in sheet):**

Copy to: Participants (see attached sign-in sheet)

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**ITEMS DISCUSSED:**

1. John Brown (BWSC) opened the meeting and requested that everyone sign in (see attached sign-in sheet).
2. John Brown distributed and presented the meeting agenda (see attached Meeting Agenda).
3. The following questions and responses were discussed:
  - A. Question: What environmental contaminant is under the environmental cap, and what type of training or certification is required to perform the work on site?  
Response: BWSC will provide a response in the upcoming Addendum.
  - B. Question: Is there a separate line item in this contract for fine grading on the Phase I area described?  
Response: BWSC will consider adding a line item for fine grading, which will be reflected in upcoming addendum.
  - C. Question: Do the infiltration beds require special soil mixes or sand amendments?  
Response: BWSC will provide clarification in the upcoming addendum.
  - D. Question: A concern was expressed by contractors regarding the proposed phasing of the project, and the ability of meeting the proposed schedule.  
Response: BWSC will discuss potential adjustments to the proposed phasing plan with the Owner and relay any adjustments in the upcoming addendum.
  - E. Question: What portion of the site will be irrigated?  
Response: The Owner relayed that the proposed sod within the interior of the walking track is the only area to be irrigated.
  - F. Question: Are there liquidated damages on the project?  
Response: Yes. They are currently \$500.00 per day.

G. Question: Since access to the site is along Central Avenue, will the contractor be required to repair damages to the street from construction activities?

Response: The contractors will be required to repair existing infrastructure damaged during construction. Since the Phase I contractor importing fill may damage Central Avenue during the imported fill process prior to the start of this contract, contractors are encouraged to document road conditions with photographs prior to starting construction.

H. Question: Since the project is being built in the winter, are there provisions in the contract that allow for cold weather concrete and asphalt, such as Cement Treated Base (CTB) or concrete additives?

Response: A line item for CTB will be added to the bid form to be used if necessary due to weather conditions. Asphalt and concrete are specified as Standard City of Chattanooga Specifications, which include measures for cold weather conditions.

I. Question: Are there provisions for weather delays in the contract?

Response: Yes. A standard weather delay specification is included in the specifications.

J. Question: Is there a provision for undercut in the proposed roadway in the event poor soils are encountered?

Response: A line item for undercut will be added to the contract to address unanticipated poor soils in the proposed roadway in the upcoming addendum.

These notes represent my understanding of items discussed and conclusions reached. Participants are requested to review these items and advise of necessary corrections or revisions.

**Signed:** \_\_\_\_\_ John R. Brown **Date:** 10/13/2016

Attachments: Pre-Bid Meeting Agenda  
Pre-Bid Meeting Sign-In Sheet

**ACKNOWLEDGMENT OF RECEIPT OF  
ADDENDUM NUMBER 1**

Acknowledgment of receipt of Addendum Number 1 for the Charles A. Bell Park project is hereby made.

Date received: \_\_\_\_\_  
Time received: \_\_\_\_\_  
Printed name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Company: \_\_\_\_\_

**PLEASE RETURN THIS FORM TODAY**

To: John Brown

Barge, Waggoner, Sumner and Cannon, Inc.

at fax number: 423.756.8477

CONSTRUCTION DRAWINGS  
FOR  
CHARLES A. BELL PARK  
CHATTANOOGA, TN

BWSC

OCT. 14, 2016

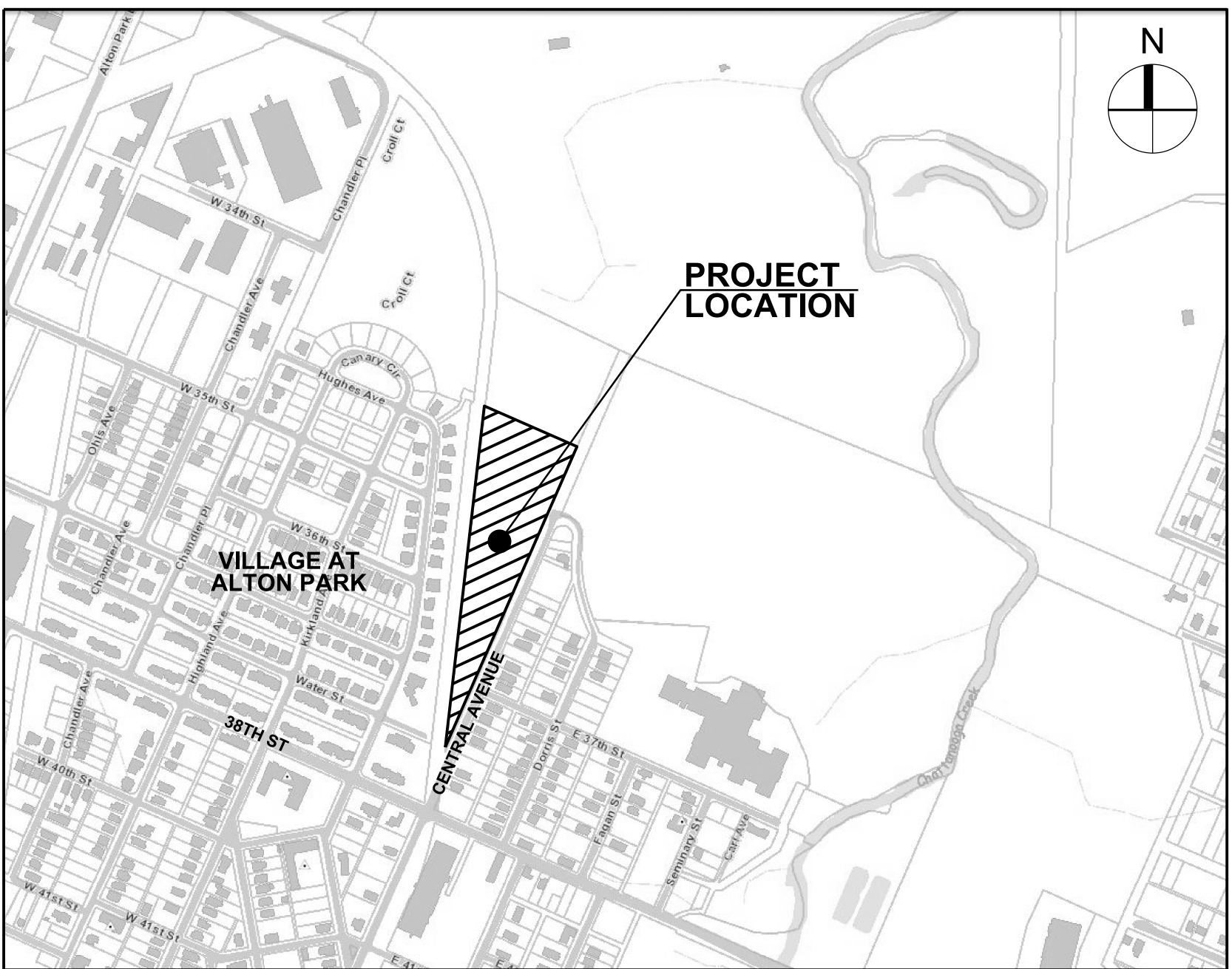
PROJECT No.  
36403-00

ADDENDUM  
NUMBER 1

INDEX OF DRAWINGS

Sheet No.	Description	Rev. No.	Date
G0.01	COVER SHEET	1	10/14/2016
C0.02	GENERAL NOTES	0	09/26/2016
C0.41	EXISTING CONDITIONS	0	09/26/2016
C1.00	OVERALL SITE PLAN	0	09/26/2016
C1.01	ENLARGED SITE PLAN	0	09/26/2016
C1.02	ENLARGED SITE PLAN	0	09/26/2016
C1.03	ENLARGED SITE PLAN	0	09/26/2016
C2.01	SITE GRADING & DRAINAGE PLAN	0	09/26/2016
C2.02	ENLARGED SITE GRADING PLAN	0	09/26/2016
C2.31	GENERAL EROSION MAINTENANCE PLAN	0	09/26/2016
C3.01	SITE UTILITY PLAN	0	09/26/2016
C7.01	SITE DETAILS	0	09/26/2016
C7.02	SITE DETAILS	0	09/26/2016
C7.03	SITE DETAILS	0	09/26/2016
C7.04	SITE DETAILS	0	09/26/2016
C7.21	EROSION CONTROL DETAILS	0	09/26/2016
L1.01	LANDSCAPE PLAN	1	10/14/2016
L1.02	LANDSCAPE PLAN	1	10/14/2016
L1.03	LANDSCAPE PLAN	1	10/14/2016
L7.01	LANDSCAPE NOTES	0	09/26/2016
L7.02	LANDSCAPE DETAILS & SCHEDULE	1	10/14/2016
T0.2	ADA DETAILS & DRAWING SYMBOLS	0	09/26/2016
T0.3	CODE SUMMARY, LIFE SAFETY PLAN	0	09/26/2016
A1-0	FLOOR PLAN	0	09/26/2016
A1-1	CEILING PLAN & ROOF PLAN	0	09/26/2016
A2-0	BUILDING ELEVATIONS	0	09/26/2016
A2-0.1	BUILDING ELEVATIONS - ADD ALTERNATE	0	09/26/2016
A3-0	BUILDING SECTIONS	0	09/26/2016
A3-0.1	BUILDING SECTIONS - ADD ALTERNATE	0	09/26/2016
A3-1	SECTIONS/DETAILS	0	09/26/2016
A3-1.1	SECTIONS/DETAILS - ADD ALTERNATE	0	09/26/2016
A4-0	ENLARGED PLANS, INTERIOR ELEVATIONS	0	09/26/2016
E0-1	ELECTRICAL COVER SHEET	0	09/26/2016
E1-1	ELECTRICAL PLAN	1	10/14/2016
E2-0	ELECTRICAL SCHEDULES & DETAILS	0	09/26/2016
E3-0	ELECTRICAL SITE PLAN	0	09/26/2016
M0-1	MECHANICAL COVER SHEET	0	09/26/2016
M1-1	MECHANICAL HVAC PLAN	0	09/26/2016
P0-1	PLUMBING COVER SHEET	0	09/26/2016
P1-1	PLUMBING WASTE & VENT PLAN	0	09/26/2016
P2-0	PLUMBING SCHEDULES & DETAILS	0	09/26/2016
S1.01	SECTIONS AND DETAILS	0	09/26/2016
S1.02	SECTIONS & DETAILS	0	09/26/2016
S2.01	FOUNDATION PLAN	0	09/26/2016
S2.02	ROOF FRAMING PLAN	0	09/26/2016
S3.01	SECTIONS AND DETAILS	0	09/26/2016

CONTRACT NUMBER R-14-010-201



LOCATION MAP

NOT TO SCALE

DEVELOPED FOR:

CITY OF CHATTANOOGA, TN

CITY MAYOR

ANDY BERKE

CHATTANOOGA CITY COUNCIL

DISTRICT 1 – CHIP HENDERSON  
DISTRICT 2 – JERRY MITCHELL  
DISTRICT 3 – KEN SMITH  
DISTRICT 4 – LARRY GROHN  
DISTRICT 5 – RUSSELL GILBERT  
DISTRICT 6 – CAROL B. BERZ  
DISTRICT 7 – CHRIS ANDERSON  
DISTRICT 8 – MOSES FREEMAN  
DISTRICT 9 – YUSUF HAKEEM

ADMINISTRATOR OF PUBLIC WORKS

JUSTIN C. HOLLAND

APPROVED FOR RELEASE:

  
CITY ENGINEER, WILLIAM C. PAYNE  
CITY OF CHATTANOOGA, TENNESSEE

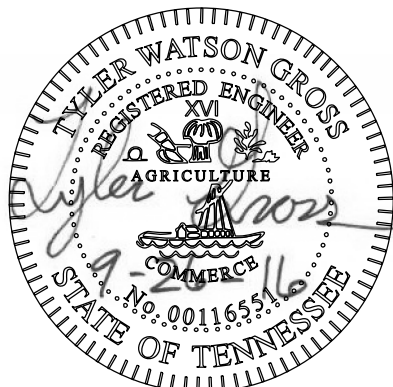
09-26-16  
DATE

CONSTRUCTION DRAWINGS  
FOR  
CHARLES A. BELL PARK  
CHATTANOOGA, TN

BWSC

BARGE  
WAGGONER  
SUMNER &  
CANNON, INC.

1110 Market Street, Suite 200 Chattanooga, Tennessee 37402  
PHONE (423) 756-3025 FAX (423) 756-8477



SITE & CONTACT NOTES:

CONTRACT NUMBER R-14-010-201

SITE ADDRESS:  
3501 CENTRAL AVE., CHATTANOOGA, TN 37410  
LAT. 35°00'32.10"N LON. 85°18'33.74"W

OWNER:  
CITY OF CHATTANOOGA  
1250 MARKET STREET, SUITE 1000, D.R.C.  
CHATTANOOGA, TN 37402  
PHONE: (423) 643-5800  
EMAIL: JLYONS@CHATTANOOGA.GOV

TOTAL SITE AREA: 13.74 ACRES  
TOTAL AREA DISTURBED: 4.76 ACRES

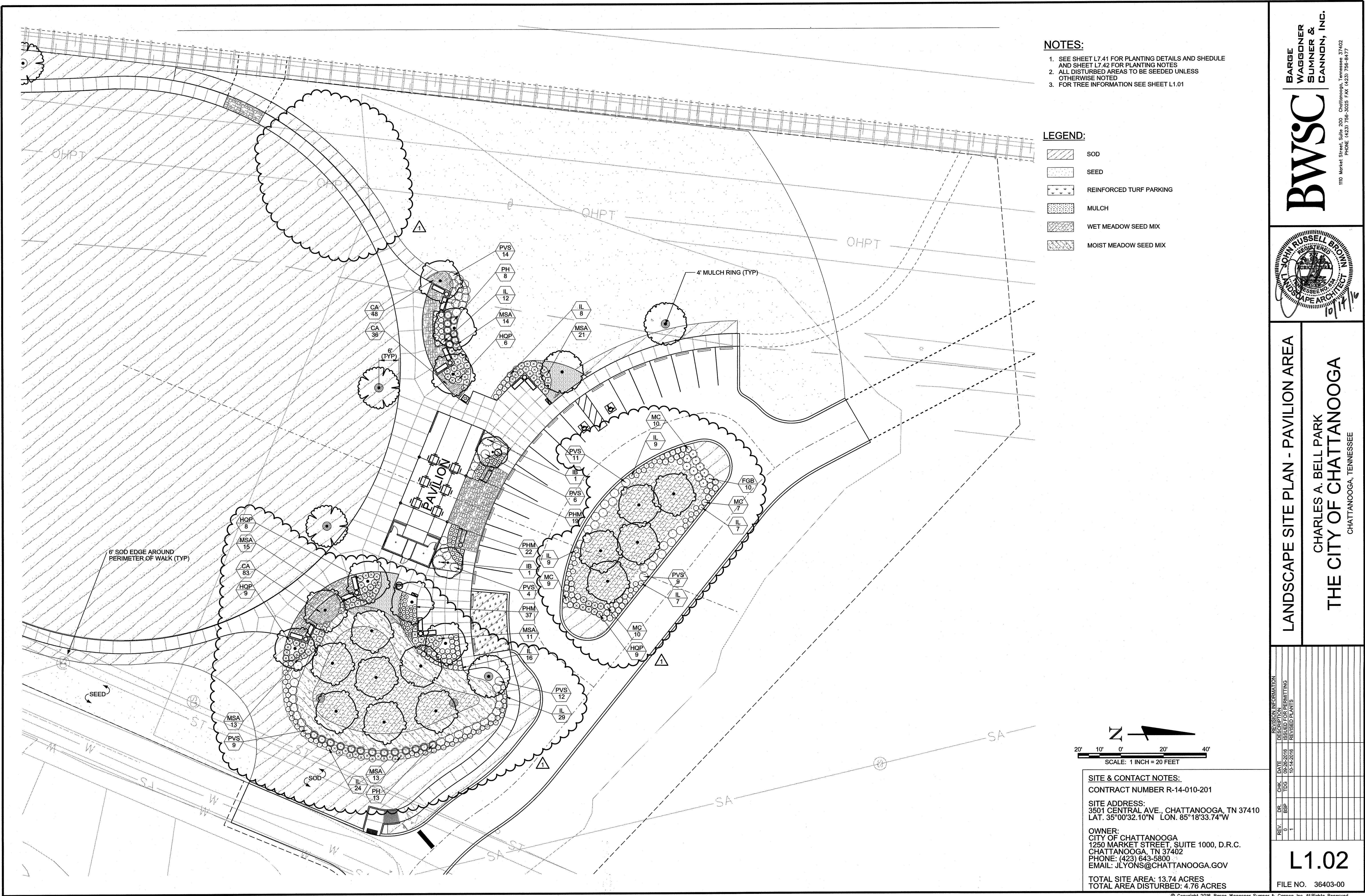
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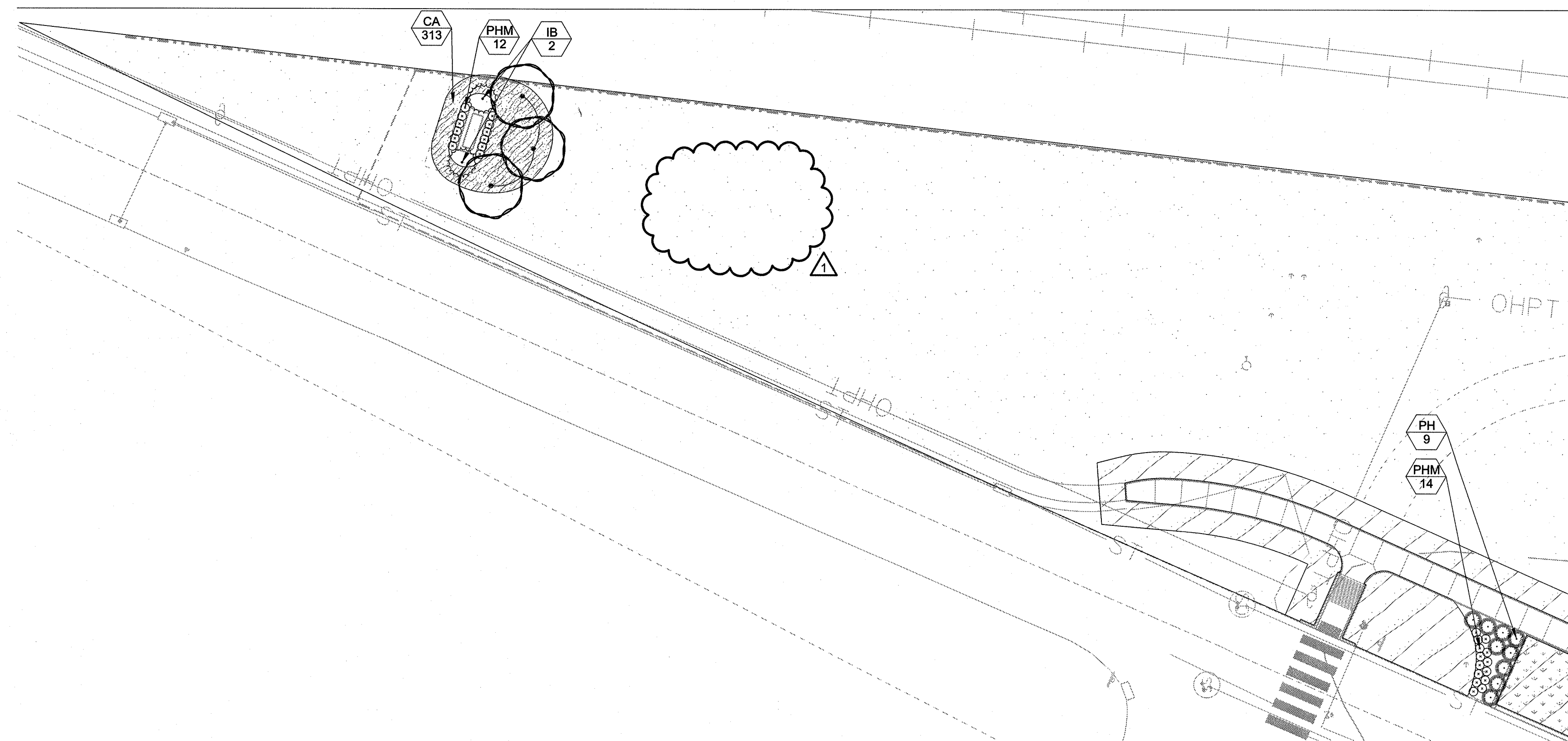
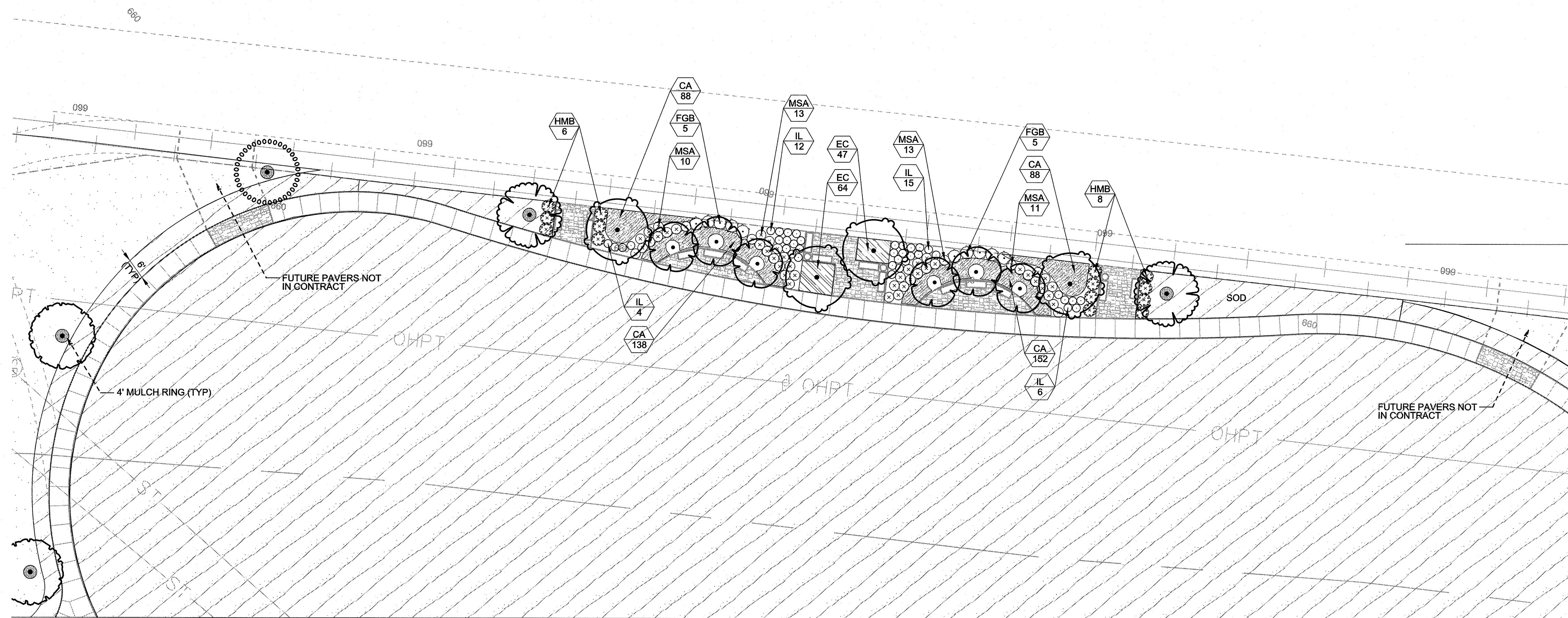




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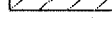


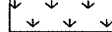
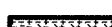



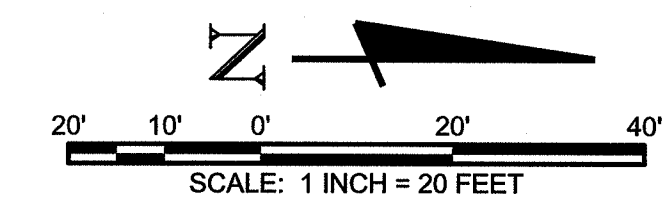
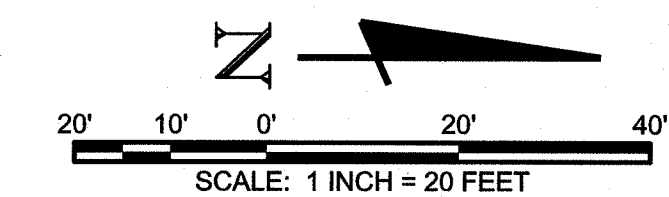


NOTES:

1. SEE SHEET L7.41 FOR PLANTING DETAILS AND SCHEDULE AND SHEET L7.42 FOR PLANTING NOTES.
2. ALL DISTURBED AREAS TO BE SEEDED UNLESS OTHERWISE NOTED
3. FOR TREE INFORMATION SEE SHEET L1.01

LEGEND:

- |   |                                |
|---|--------------------------------|
|  | <b>SOD</b>                     |
|  | <b>SEED</b>                    |
|  | <b>REINFORCED TURF PARKING</b> |
|  | <b>MULCH</b>                   |
|  | <b>WET MEADOW SEED MIX</b>     |
|  | <b>MOIST MEADOW SEED MIX</b>   |



#### SITE & CONTACT NOTES:

CONTRACT NUMBER R-14-010-201

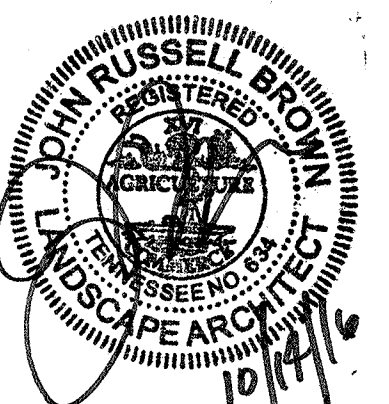
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OWNER:  
CITY OF CHATTANOOGA  
1250 MARKET STREET, SUITE 1000, D.R.C.  
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TOTAL SITE AREA: 13.74 ACRES  
TOTAL AREA DISTURBED: 4.76 ACRES

**BARGE  
WAGGONER  
SUMNER &  
CANNON, INC.**

PHONE (423) 756-3025 FAX (423) 756-8477



## SITE LAYOUT PLAN - GREENWAY SEATING

CHARLES A. BELL PARK  
THE CITY OF CHATTANOOGA  
CHATTANOOGA, TENNESSEE

[illegible]

## L1.03

FILE NO. 36403-00



Wet Meadow Native Mix

Kind	Botanical Name	PLS oz/ac	PLS lbs/ac	PLS lbs
Virginia Wild Rye	Elymus virginicus	3.00	2.550	2.550
Fowl Mania Grass	Glyceria striata	0.50	0.425	0.425
Rice Cut Grass	Leersia oryoides	0.70	0.595	0.595
River Oats	Chasmanthium latifolium	2.80	2.380	2.380
Cosmos Sedge	Carex comosa	0.60	0.510	0.510
Frank's Sedge	Carex frankii	0.60	0.510	0.510
Hop Sedge	Carex lupulina	0.60	0.510	0.510
Shallow Sedge	Carex lurida	0.80	0.680	0.680
Fox Sedge	Carex vulpinoidea	0.30	0.255	0.255
Rufous Bulrush	Scirpus pendulus	0.10	0.085	0.085
Eastern Bur Reed	Sparganium americanum	1.00	0.850	0.850
Swamp Milkweed	Asclepias incarnata	1.10	0.935	0.935
Showy Tickseed	Bidens aristosa	1.30	1.105	1.105
Boneset	Eupatorium perfoliatum	0.20	0.170	0.170
Sneezeweed	Helenium autumnale	0.20	0.170	0.170
Slender Blazing Star	Liatris gracilis	0.40	0.340	0.340
Cardinal Flower	Lobelia cardinalis	0.05	0.043	0.043
Seed Box	Ludwigia alternifolia	0.09	0.077	0.077
Smooth Beardtongue	Penstemon digitalis	0.21	0.179	0.179
Slender Mountain Mint	Pycnanthemum tenuifolium	0.10	0.085	0.085
Maryland Meadowbeauty	Rhexia mariana	0.20	0.170	0.170
Blackeyed Susan	Rudbeckia hirta	0.25	0.213	0.213
Golden Alexander	Zizia aurea	0.90	0.765	0.765
Freight calculated at time of shipping				
			Lbs/acre	13.60

Moist Meadow Native Mix

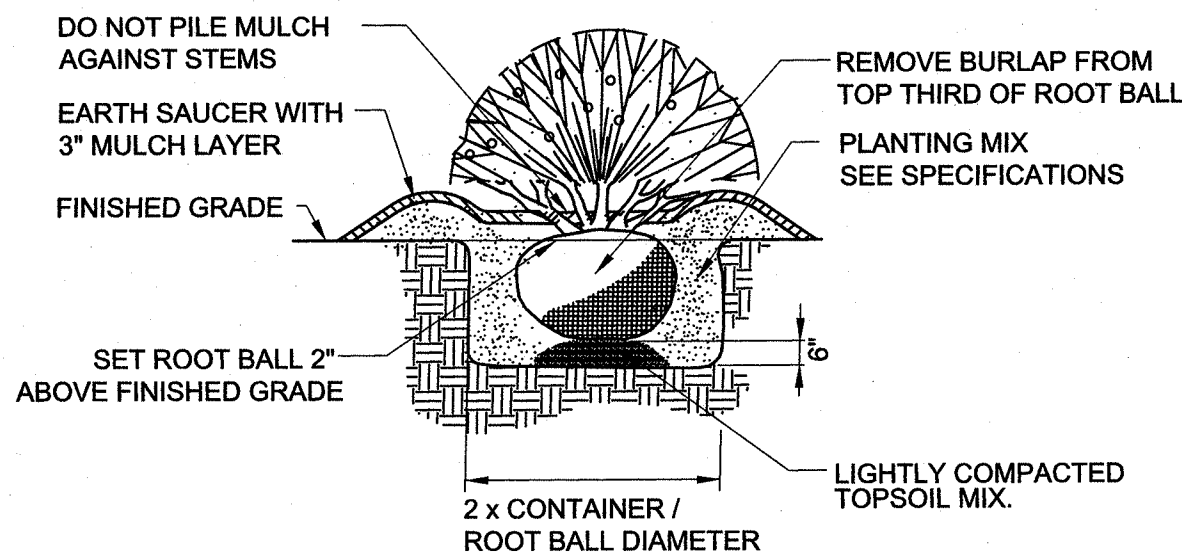
Kind	Botanical Name	PLS oz/ac	PLS lbs/ac	PLS lbs
River Oats	Chasmanthium latifolium	2.00	1.500	1.500
Switchgrass	Panicum virgatum	3.00	2.250	2.250
Virginia Wild Rye	Elymus virginicus	2.00	1.500	1.500
Fox Sedge	Carex vulpinoidea	1.60	1.200	1.200
Green Bulrush	Scirpus atrovirens	0.25	0.188	0.188
Shallow Sedge	Carex lurida	2.15	1.613	1.613
Blackeyed Susan	Rudbeckia hirta	0.25	0.188	0.188
Blue Vervain	Verbena hastata	0.21	0.158	0.158
Cardinal Flower	Lobelia cardinalis	0.05	0.038	0.038
Golden Alexander	Zizia aurea	0.60	0.450	0.450
Iron Weed	Vernonia altissima	0.70	0.525	0.525
Ohio Spiderwort	Tradescantia ohioensis	0.60	0.450	0.450
Showy Tickseed	Bidens aristosa	1.50	1.125	1.125
Smooth Beardtongue	Penstemon digitalis	0.19	0.143	0.143
Yellow Wingstem	Verbesina alternifolia	0.90	0.675	0.675
			Lbs/acre	11.19

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	SPACING	REMARKS
	AA	6	Acer buergerianum 'Aeryn'	Trident Maple	B & B	1.5" Cal		Matched Min. 3-5 trunks Well formed crown
	BN	26	Betula nigra 'Duraheat'	Duraheat River Birch	B & B	1.5" Cal		Matched Min. 3-5 trunks Well formed crown
	CC	5	Cercis canadensis 'Forest Pansy' TM	Forest Pansy Redbud	B & B	1.5" Cal		Matched Min. 3-5 trunks Well formed crown
	GH	5	Ginkgo biloba 'Halka'	Halka Ginkgo	B & B	3.5" Cal		Matched Well formed full crown
	LH	1	Liquidambar styraciflua 'Happdell'	Happdaze Sweet Gum	B & B	3.5" Cal		Matched Well formed full crown
	QL	1	Quercus lyrata	Overcup Oak	B & B	3.5" Cal		Matched Well formed full crown
	UP	6	Ulmus americana 'Princeton'	Princeton Elm	B & B	3.5" Cal		Matched Well formed full crown
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	ROOT COND	SIZE	SPACING	REMARKS
	FGB	20	Fothergilla gardenii 'Blue Mist'	Blue Mist Fothergilla	3 gal	48" O.C.	36" O.C.	Matched Densely formed
	HMB	14	Hydrangea macrophylla 'Blushing Bride'	Blushing Bride Hydrangea	3 gal	42" O.C.	42" O.C.	Matched Densely formed
	HOP	32	Hydrangea quercifolia 'Pee Wee'	Oakleaf Hydrangea	3 gal	36" O.C.	36" O.C.	Matched Densely formed
	IB	4	Ilex x meserveae 'Blue Princess' TM	Blue Princess Holly	3 gal	6" O.C.		Matched Densely formed
	IL	174	Itea virginica 'Little Henry' TM	Virginia Sweetspire	3 gal	36" O.C.		Matched Densely formed
	MSA	134	Miscanthus sinensis 'Adagio'	Adagio Eulalia Grass	3 gal	36" O.C.	36" O.C.	Matched Densely formed
	MC	36	Muhlenbergia capillaris	Pink Muhly	3 gal		3' O.C.	Matched Densely formed
	PH	30	Panicum virgatum 'Heavy Metal'	Blue Switch Grass	3 gal	48" O.C.		Matched Densely formed
	PVS	65	Panicum virgatum 'Shenendoah'	Shenendoah Switch Grass	3 gal	36" O.C.	48" O.C.	Matched Densely formed
	PHM	104	Pennisetum alopecuroides 'Hamelin'	Hamelin Dwarf Fountain Grass	3 gal	24" O.C.	24" O.C.	Matched Densely formed
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONDITON	SIZE	SPACING	REMARKS
	CA	946	Coreopsis auriculata 'Nana'	Maysville Daisy	4" pot	15" O.C.	15" O.C.	Full in pot
	EC	111	Euonymus fortunei 'Coloratus'	Coloratus Purple Wintercreeper	4" pot	15" O.C.		Full in pot
SOD/SEED	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONDITON	SIZE	SPACING	REMARKS
	SOD	114,436 sf	Cynodon dactylon 'TIFTUF'	TIFTUF Hybrid	sod			
	SEED	72,740 sf	Cynodon spp. 'Princess'	Princess 77 Hybrid Bermuda	seed	2 lbs/1000 sf		
	MI2	1,853 sf	Moist Meadow Seed Mix		seed			
	MIX	4,294 sf	Wet Meadow Seed Mix		seed			

1 PLANT SCHEDULE

L7.02



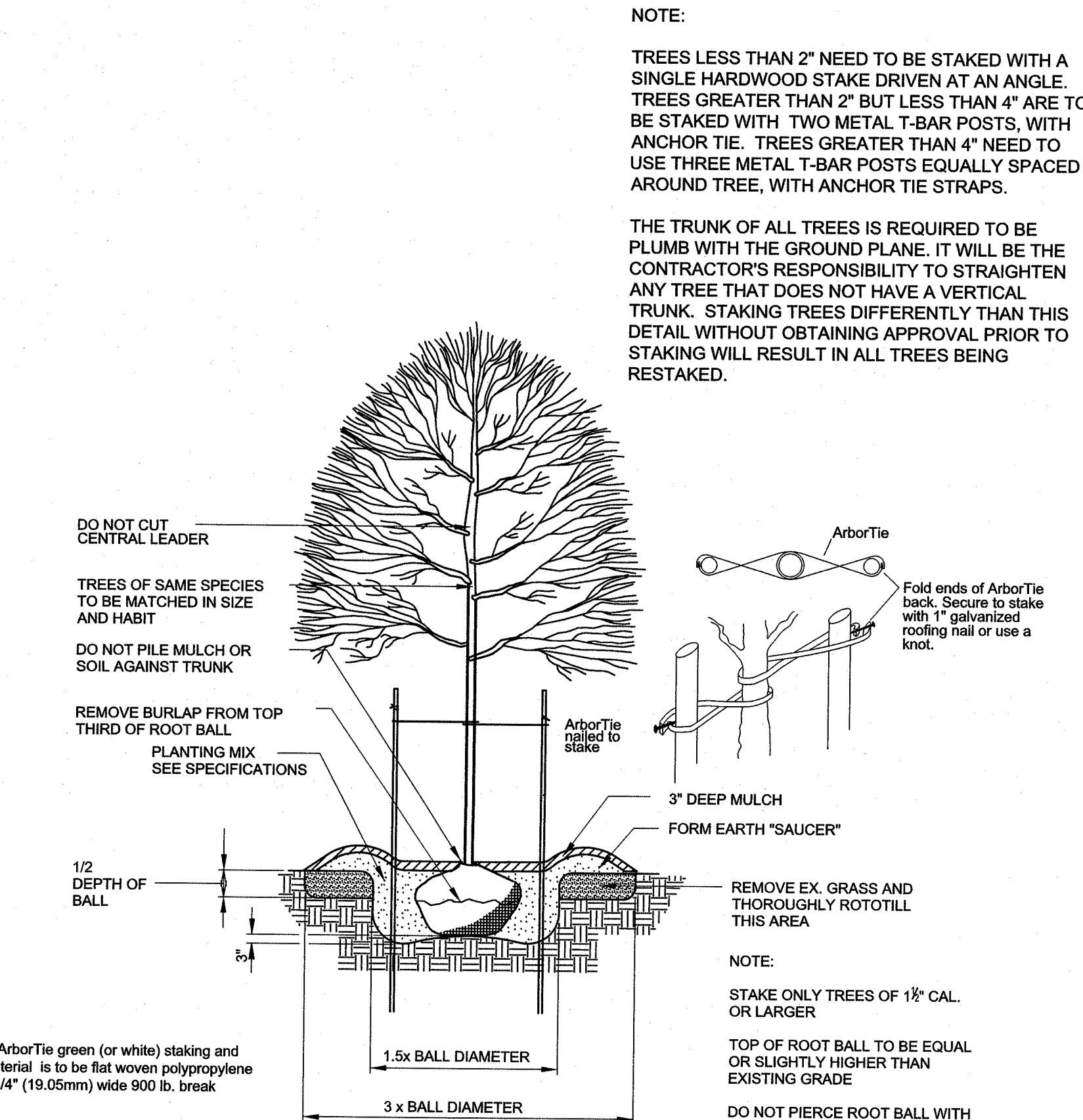
2 TYPICAL SHRUB PLANTING DETAIL

L7.02 NTS

PLANT SPACING (D)	ROW SPACING (A)
6" O.C.	5.20"
8" O.C.	6.93"
10" O.C.	8.66"
12" O.C.	10.4"
15" O.C.	13.0"
18" O.C.	15.6"
24" O.C.	20.8"
30" O.C.	26.0"
36" O.C.	30.0"
42" O.C.	38.0"
48" O.C.	42.0"

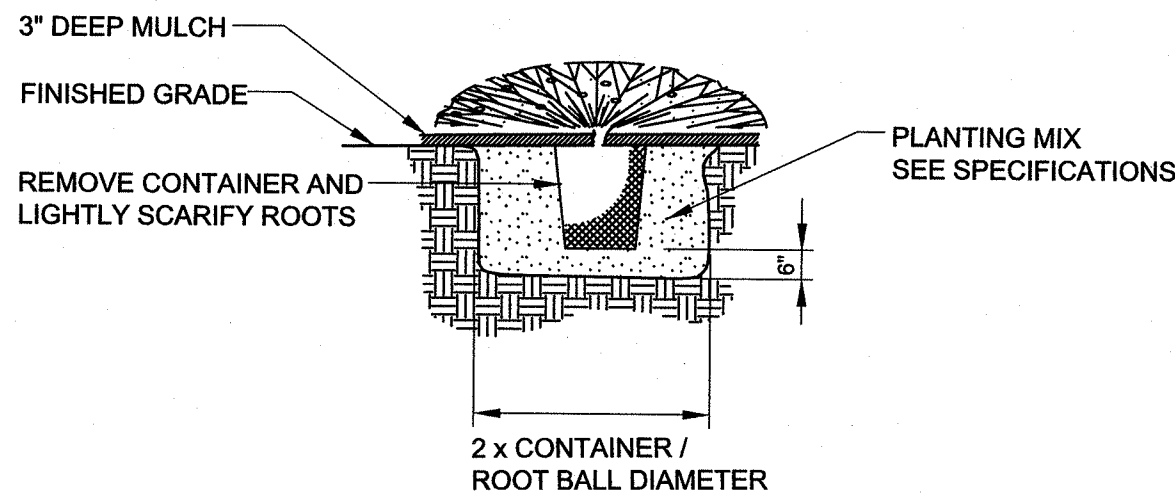
3 TYPICAL SHRUB SPACING DETAIL

L5 NTS



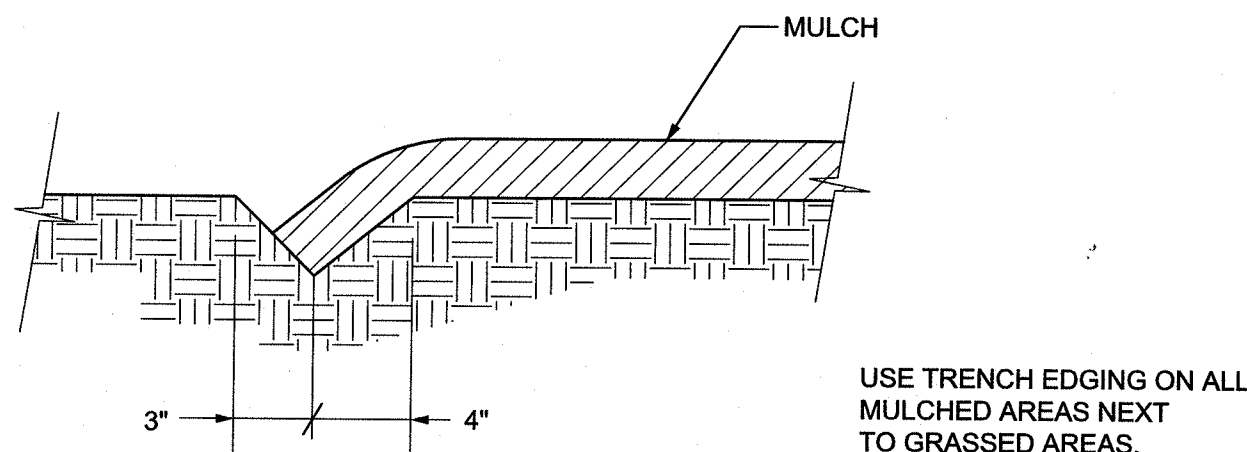
6 TYPICAL TREE PLANTING DETAIL

L7.02 NTS



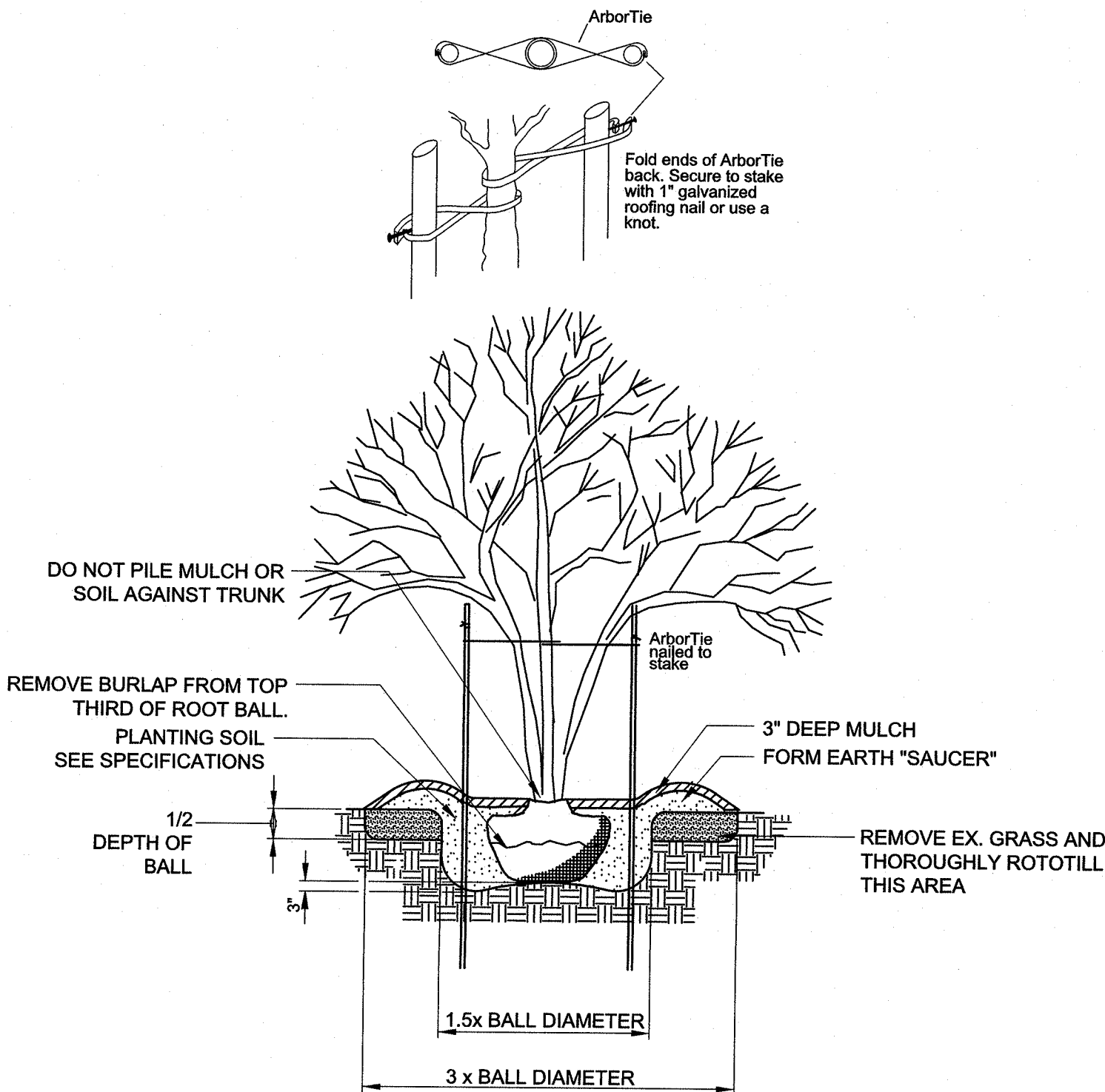
3 TYPICAL GROUND COVER PLANTING DETAIL

L7.02 NTS



5 TYPICAL TRENCH EDGING DETAIL

L7.02 NTS



7 TYPICAL MULTI-STEMMED TREE PLANTING DETAIL

L7.02 NTS

SITE & CONTACT NOTES:

CONTRACT NUMBER R-14-010-201

SITE ADDRESS:  
3501 CENTRAL AVE., CHATTANOOGA, TN 37410  
LAT. 35°00'32.10"N LON. 85°18'33.74"W

OWNER:  
CITY OF CHATTANOOGA  
1250 MARKET STREET, SUITE 1000, D.R.C.  
CHATTANOOGA, TN 37402  
PHONE: (423) 643-5800  
EMAIL: JLYONS@CHATTANOOGA.GOV

TOTAL SITE AREA: 13.74 ACRES  
TOTAL AREA DISTURBED: 4.76 ACRES

LANDSCAPE DETAILS AND SCHEDULE

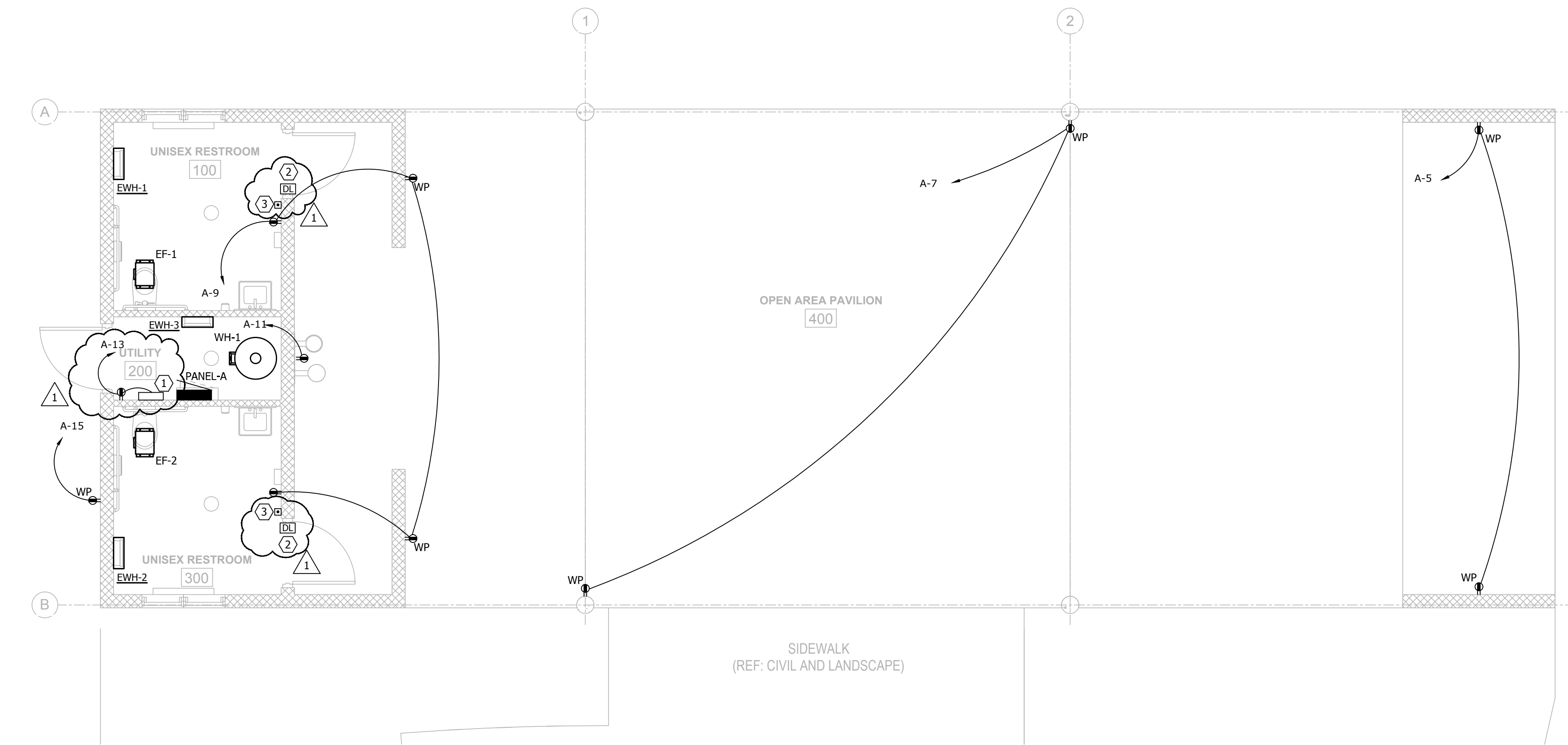
CHARLES A. BELL PARK  
THE CITY OF CHATTANOOGA  
CHATTANOOGA, TENNESSEE

REV.	DR.	CHK.	DATE	DESCRIPTION
0	BSP	TDG	09-26-2016	ISSUED FOR PERMITTING
1	BSP	TDG	10-14-2016	REVISED PLANTS

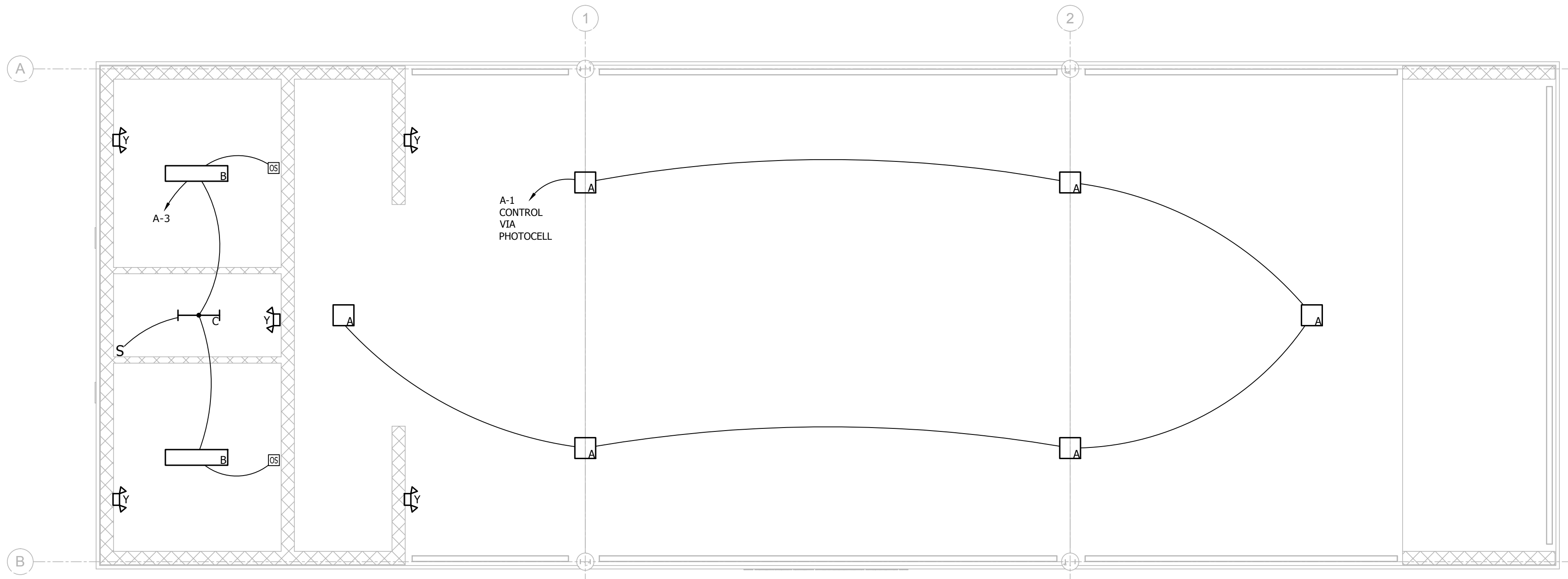
L7.02

FILE NO. 36403-00





1 ELECTRICAL - POWER  
E1-1 SCALE: 1/4"= 1'-0"



2 ELECTRICAL - LIGHTING  
E1-1 SCALE: 1/4"= 1'-0"

ELECTRICAL SHEET NOTES - UN-REFERENCED

- ALL EMERGENCY LIGHTING SHALL BE PROVIDED WITH A UNSWITCHED HOT AHEAD OF ANY SWITCHES OR RELAY
- PROVIDE 120V, 1800VA PHOTOCELL WITH INTEGRAL CONTACTOR FOR CONTROL OF PAVILION LIGHTING. LOCATE ON ROOF/EAVE FACING NORTH.

ELECTRICAL SHEET NOTES - REFERENCED

SECURITY ACCESS CONTROL SYSTEM SHALL BE PROVIDED AS A DESIGN BUILD PACKAGE AND SHALL PERFORM IN THE FOLLOWING MANNER. RESTROOM DOORS SHALL BE EQUIPPED WITH 600 LB MAGLOCKS AND REQUEST TO EXIT PUSHBUTTONS ON THE INTERIOR. CONTROL PANEL SHALL BE LOCATED IN THE UTILITY ROOM AND SHALL BE EQUIPPED WITH CELLULAR COMMUNICATION CAPABILITY FOR REMOTE OPERATION OF ACCESS CONTROLS. NORMAL OPERATION OF SYSTEM SHALL ALLOW DISABLING OF MAGLOCKS DURING OPERATING HOURS WITH AUTOMATIC ENABLING OF MAGLOCKS AFTER HOURS. ACCESS CONTROL PANEL, POWER SUPPLY AND CELLULAR COMMUNICATION MODULE SHALL BE DMP OR EQUAL AND INCLUDE ALL REQUIRED COMPONENTS FOR A COMPLETE SYSTEM.

- SECURITY ACCESS CONTROL PANEL WITH CELLULAR COMMUNICATION.
- DOORS EQUIPPED WITH MAGNETIC LOCKS. PROVIDE 3/4" CONDUIT TO SECURITY ACCESS PANEL FROM DOOR HEADER.
- REQUEST TO EXIT BUTTON WITH 3/4" CONDUIT FROM JBOX TO DOOR HEADER.

BARGE  
WAGGONER  
SUMNER &  
CANNON, INC.

BWSC

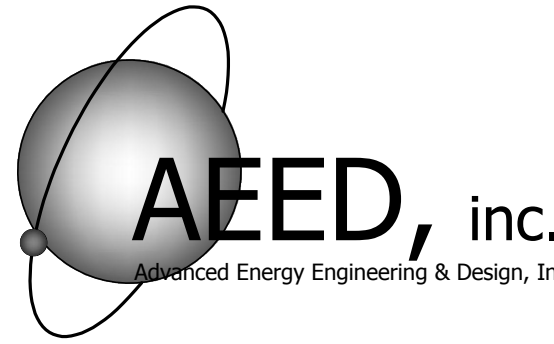


ELECTRICAL  
PLANS

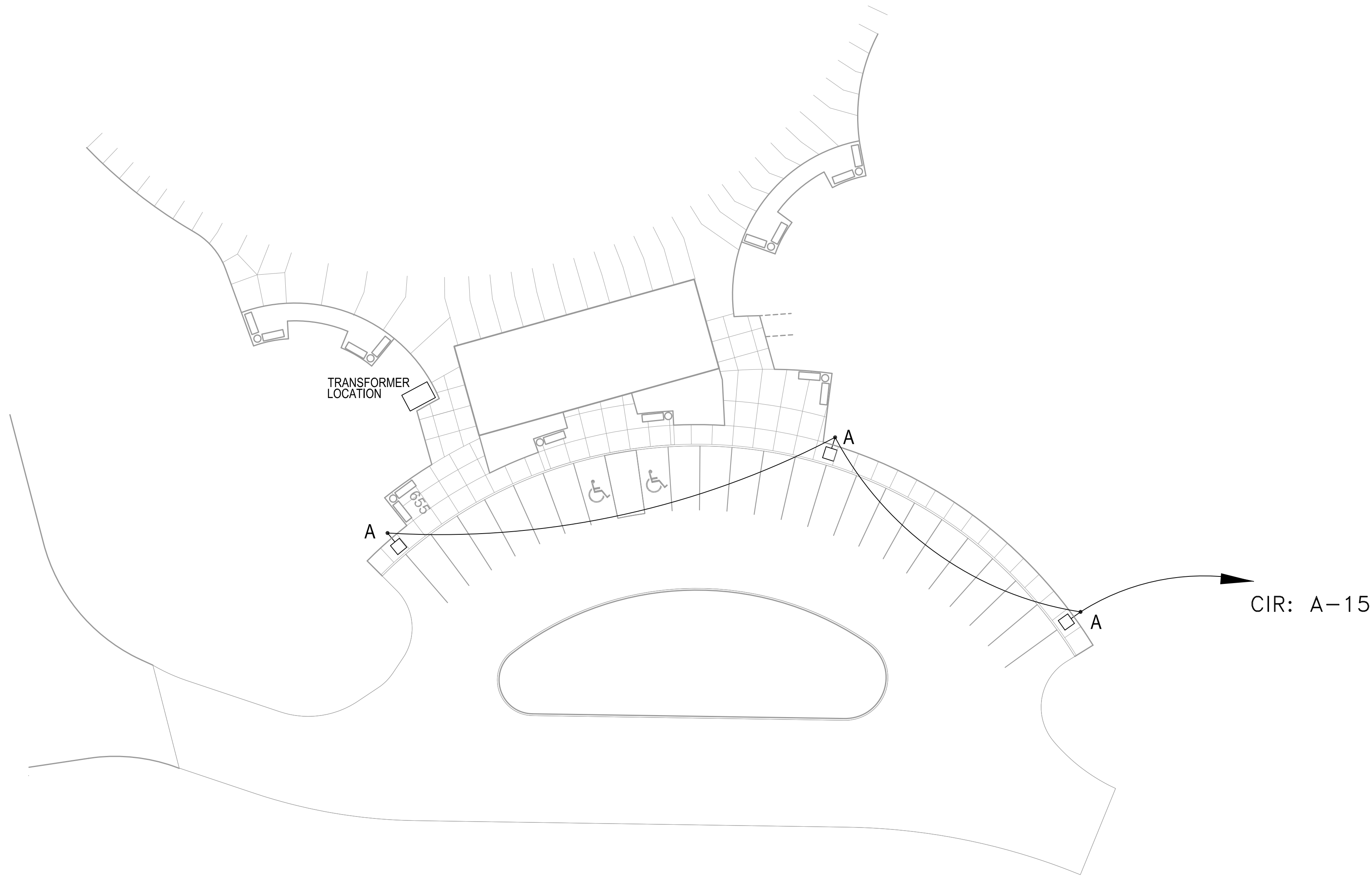
THE BELL SITE  
THE CITY OF CHATTANOOGA  
CHATTANOOGA, TENNESSEE

REVISION INFORMATION		DATE		CHK		DR	
REV	DESCRIPTION	DATE	CHK	DR	DATE	CHK	DR
1	ADDENDUM #1	09-28-16					

E1-1  
FILE NO. 01616



AEED JOB NO. 105-16  
P.O. BOX 4934  
408 McCALLIE AVE  
CHATTANOOGA, TN 37405  
BUS. (423) 752-3438  
FAX (423) 752-1369



1  
E3-0  
SITE ELECTRICAL PLAN  
Scale: 1" = 20'-0"

LEGEND

- |  |  |  |                                 |
|--|--|--|---------------------------------|
|  | 15A, 120V MOUNTED 12" AFF UNLESS NOTED |  | 15A, 120V QUAD                  |
|  | 15A, GFCI DUPLEX OUTLET                |  | TELEVISION OUTLET               |
|  | 15A, 120V FLUSH FLOOR MOUNT            |  | PHONE OUTLET                    |
|  | 20A, 1PH, 240V, RECEPTACLE             |  | EXIT LIGHT WITH EMERGENCY LIGHT |
|  | 30A, 1PH, 240V, RECEPTACLE             |  | EMERGENCY LIGHT                 |
|  | LIGHT SWITCH                           |  | J-BOX                           |
|  | DISCONNECT                             |  | EXIT LIGHT                      |

ELECTRICAL GENERAL NOTES

1. ALL APPLICABLE CODES SHALL BE COMPLIED WITH.
2. CONTRACTOR SHALL PROVIDE ALL NECESSARY WIRE, CONDUIT AND FITTINGS TO COMPLETE INSTALLATION.
3. UNDERGROUND CONDUIT RUNS TO BE FIELD LOCATED.
4. CONDUIT SHALL BE SCH 40 PVC, SCH 80 PVC UNDER ROADWAYS AND RIGID METAL ELBOWS FOR TURN UPS TO PENETRATE THE GROUND.
5. LIGHT FIXTURE "A" - SCHREDER TECEO: TCO-2PERE-88-530-5119-UNIV60 MOUNTED AT 20'.
6. SEE DRAWING E2-0 FOR ALL PANEL "A" CIRCUITS
- 7.
- 8.

PANEL SCHEDULE														22,000 A.I.C.		
PANEL A 120/240 V.A.C. 1 Ø 3W 50 AMP MAIN														100 AMP FRAME		
EQUIPMENT SERVED	CKT. BREAKER				KVA / PHASE			CKT. NO.	KVA / PHASE			CKT. BREAKER				
	TRIP	POLE	WIRE	GND	COND	A	B	C	A	B	C	TRIP		POLE	WIRE	GND
									1							
									2							
									3							
									4							
									5							
									6							
									7							
									8							
									9							
									10							
									11							
									12							
									13							
									14							
PARKING LOT LIGHTS	20	1	#12	#12	3/4"			1.5	15							
									16							
									17							
									18							
									19							
									20							
									21							
								22								
								23								
								24								
TOTAL CONNECTED LOAD:									CONNECTED KVA			LOCATION: PAVION				
									A B C			TYPE: FLUSH				
									KVA			FED: EXISTING TRANSFORMER				
									AMPS							

ELECTRICAL SITE PLAN

THE BELL SITE  
THE CITY OF CHATTANOOGA  
CHATTANOOGA, TENNESSEE



BWSC  
BARGE  
WAGGONER  
SUMNER &  
CANNON, INC.

5/26/2010 10:00 AM  
PROJECT: 36403-00  
DRAWING: ELECTRICAL SITE PLAN  
DESIGNED BY: JWC  
CHECKED BY: JWC  
APPROVED BY: JWC

REVISION INFORMATION			
REV.	DR.	CHK.	DATE
1	JWC	JWC	01/15/10
2	JWC	JWC	01/15/10
3	JWC	JWC	01/15/10
4	JWC	JWC	01/15/10
5	JWC	JWC	01/15/10
6	JWC	JWC	01/15/10
7	JWC	JWC	01/15/10
8	JWC	JWC	01/15/10
9	JWC	JWC	01/15/10
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E3-0

FILE NO. 36403-00