

**ADDENDUM NO. 2**

23 January 2017

**RE:** MILLER PARK DISTRICT PHASE 1  
Contract no. R-14-011-201**FROM:** Spackman Mossop Michaels / Eskew+Dumez+Ripple, Joint Venture  
365 Canal Street, Suite 3150  
New Orleans, Louisiana 70130  
(504) 561-8686**TO:** Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Procurement Documents dated December 12, 2016 and Addendum No. 2 dated January 11, 2017 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of 4 Pages in addition to the enumerated specification sections and drawing sheets.

**GENERAL CLARIFICATION**

1. SECTION 00201 – CONTRACTOR'S IDENTIFICATION must be completed and attached to the outside of the bidder's envelope. All envelopes containing bids that do not have Section 00201 completed and attached to the outside of the envelope will be declared non-responsive and returned to bidder unopened.

Sealed envelope shall contain (1) original of all documents. Two copies are not required.

**PRIOR APPROVALS**

NONE

**PRE-BID QUESTIONS**

1. Responses to questions received by bidders are attached at the end of this Addendum.

**CHANGES TO PRIOR ADDENDA**

NONE

**CHANGES TO INTRODUCTORY INFORMATION**

NONE

**CHANGES TO PROCUREMENT REQUIREMENTS**

NONE

## **CHANGES TO CONTRACTING REQUIREMENTS**

2. DOCUMENT 00301 – BID SCHEDULE: Delete the six-page Bid Schedule included in the Project Manual and Replace with the Bid Schedule attached to the end of this Addendum. The following items have been added, removed or clarified:
  - a. 129300-3 and 4: Renumbered to correct error
  - b. 129300-6: Addition
  - c. 129300-7: Addition
  - d. 312000-7: Addition
  - e. 312000-8: Addition
  - f. 329300-14: Addition
  - g. 331000-4: Addition
  - h. 331000-5: Addition
  - i. 331000-6: Addition
  - j. 334000-26: Addition
  
3. SOIL MANAGEMENT PRACTICES, CITY OF CHATTANOOGA, MILLER PARK: The two-page document at the end of this addendum shall be incorporated into the project and considered a part of the Contract Documents.

## **CHANGES TO SPECIFICATIONS**

NONE

## **CHANGES TO DRAWINGS**

4. The following Section(s) have not previously been issued and are introduced as Procurement Documents as part this Addendum, attached herein:
  - A. C701 This sheet was added to show traffic control for the bid Alt#1, which closed MLK Blvd
  
5. The following Drawings Sheet(s) are hereby replaced as part of this Addendum, attached herein:
  - A. C101, Revised curb ramp geometry and striping where clouded.
  - B. C103, Revised striping on Georgia Ave to cat tracks instead of delineated parking stalls. Add chevron stripe at southern end of Georgia Ave. Revised stop bars to 24" thick. Revised striping on MLK Blvd to have broken lines for travel lanes.
  - C. C201, Revised limits of demolition to include the northwest end of Cherry Street. Show two light poles on southeast end of Market as to be relocated. Increased limits of existing electrical conduit demo, that conflicts with proposed soil cells. Specified specific items to be salvage by the city.
  - D. C202, Revised limits of demolition to include the northwest end of Cherry Street. Show two light poles on southeast end of Market as to be relocated.
  - E. C401, Revised grading to reflect revised locations of park benches where clouded. Updated grading at three curb ramps that are now 6' deep instead of ~8'

- F. C501, Revised location of proposed pedestrian light pull boxes. Updated background based on new curb ramps. Relocate FH at 10<sup>th</sup> and Market St.
- G. C503, Revised location of proposed pedestrian light pull boxes. Updated background based on new curb ramps. Relocate FH at 10<sup>th</sup> and Market St. Add conduit from new traffic signal to EPB power manhole.
- H. C701 This sheet was added to show traffic control for the bid Alt#1, which closed MLK Blvd
- I. L1.0- SITE PLAN: Added detail callout for adjusted bench with ADA accessible space. Adjust location and note for fire hydrant. Removed parking space striping on all LA plans along Georgia Ave. Please see C103 for Roadway and Striping Plan.
- J. L1.1- SITE LAYOUT PLAN: Adjusted dimensions for garden terrace along Market St. Removed parking space striping on all LA plans along Georgia Ave. Please see C103 for Roadway and Striping Plan.
- K. L1.2- STEP LAYOUT PLAN: Removed parking space striping on all LA plans along Georgia Ave. Please see C103 for Roadway and Striping Plan.
- L. L1.6- SITE FURNISHINGS PLAN: Adjusted bench locations along garden terrace. Removed parking space striping on all LA plans along Georgia Ave. Please see C103 for Roadway and Striping Plan.
- M. L1.7- SITE LIGHTING LAYOUT PLAN: Adjusted light poles on SE corner of Market St. and updated point definitions. Adjusted linear lights along garden wall. Removed parking space striping on all LA plans along Georgia Ave. Please see C103 for Roadway and Striping Plan.
- N. L1.8- TREE LAYOUT PLAN: Updated tree locations and point definitions.
- O. L2.0- SOIL CELL PLAN: Updated Paver Grate sizes along Market St. and soil cell arrangement around these trees.
- P. L2.1- SOIL CELL DETAILS: Added title block to sheet.
- Q. L2.2- SOIL CELL DETAILS: Added 6/L2.2: Detail of Soil Cell Interaction with Light Pole and Pull Boxes.
- R. L4.2- PERENNIAL PLANTING PLAN: Adjusted planting near ADA accessible bench.
- S. L4.5- PLANTING DETAILS: Adjusted Planting Schedule.
- T. L7.2- PAVING PATTERN PLAN: Added Match Lines
- U. L7.3- PAVING PATTERN PLAN: Added Match Lines
- V. L7.4- PAVING PATTERN PLAN: Added Match Lines
- W. L7.5- PAVING PATTERN PLAN: Added Match Lines  
L7.6 - PAVING PATTERN PLAN: Added Match Lines
- X. L7.7- PAVING PATTERN PLAN: Added Match Lines
- Y. L7.8- PAVING PATTERN PLAN: Added Match Lines
- Z. L7.9- PAVING PATTERN PLAN: Added Match Lines
- AA. L7.10- PAVING PATTERN PLAN: Added Match Lines

- BB. L7.11- PAVING PATTERN PLAN: Added Match Lines
- CC. L7.12- PAVING PATTERN PLAN: Added Match Lines
- DD. L7.13- PAVING PLAN DETAILS: Adjusted 1/L7.13 and 3/L7.13.
- EE. L11.0- SITE DETAILS: Adjusted 5/L11.0 and 6/L11.0
- FF. L11.1- GARDEN TERRACE DETAILS: Added detail 8/L11.1
- GG. ES1.1 Revised key notes 18 and 20. Revised location for all note 18 food truck electrical services. Adjusted city street lights along 10<sup>th</sup> street. Added "General City Street Lighting Note". Added two street lighting poles on Market Street near 10<sup>th</sup> street.
- HH. ES1.2, Revised key note 1. Added "General City Street Lighting Note".

## **ATTACHMENTS**

### **Specifications**

- Bid Form: Miller Park District Phase 1.

### **Drawings**

- 35 Sheets as stated above.

### **Additional Information**

- RFI Responses
- Miller Park Soil Management Practices

END OF ADDENDUM

BID SCHEDULE  
MILLER PARK DISTRICT + CONNECTIVITY IMPROVEMENTS  
CONTRACT NUMBER R-14-011-101  
City of Chattanooga, Tennessee

				Contractor Name	
Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
<b>01010</b>	<b>General Conditions</b>				
01010-1	General Conditions, including mobilization, management, temporary facilities and controls, and all overhead expenses required to supervise and complete the Work.	1	LS		
<b>033000</b>	<b>Steel and Concrete Retaining Wall</b>				
033000-1	Steel and Concrete Retaining Wall along 10th Street at stage	83	LF		
<b>044300</b>	<b>Stone Masonry</b>				
044300-1	Stone Monumental Steps over Concrete Foundation	1,725	SF		
044300-2	Stone Steps over Concrete Foundation	2,387	SF		
044300-3	Stone Steps at Stage	154	SF		
044300-4	Stone Transitional Steps	9	EA		
044300-5	Stone Transitional Steps at Stage	4	EA		
044300-6	Flush Granite Curb	680	LF		
<b>055213</b>	<b>Pipe &amp; Tube Railings &amp; Bike Racks</b>				
055213-1	Handrail A	1	EA		
055213-2	Handrail B/ C	2	EA		
055213-3	Handrail E	1	EA		
055213-4	Handrail F	1	EA		
055213-5	Steel Guardrail	63	LF		
055213-6	Steel Bike Rack	15	EA		
<b>055800</b>	<b>Formed Metal Fabrications</b>				
055800-1	Powder Coated Steel- 18"	443	LF		
055800-2	Powder Coated Steel- 22"	143	LF		
055800-3	Powder Coated Steel- 24"	33	LF		
055800-4	Powder Coated Steel- 30"	96	LF		
055800-5	Powder Coated Steel- 36"	22	LF		
055800-6	Curved Steel, Powder Coated	127	LF		
<b>129300</b>	<b>Site Furnishings</b>				
129300-1	Bottle Filler	1	EA		
129300-2	Drinking Fountain	1	EA		
129300-3	Steel Bollard	88	EA		
129300-4	Excess Steel Bollard, No Installation	10	EA		
129300-5	3" Round Roadway Reflector	88	EA		
129300-6	Install owner-purchased benches	7	EA		
129300-7	Install owner-purchased litter receptacles	10	EA		

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				Contractor Name	
Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
<b>260500</b>	<b>Common Work Results for Electrical</b>				
260500-1	New Traffic Signal Pole, Heads,	1	EA		
260500-2	Secondary Power	400	LF		
<b>265600</b>	<b>Exterior Lighting</b>				
265600-1	In Grade Power Outlets	20	EA		
265600-2	USB Chargers for Step Seating Area	7	EA		
265600-3	Power and USB Pedestals	7	EA		
265600-4	Food Truck Power Stations	5	EA		
265600-5	New City Streetscape Poles	16	EA		
265600-6	Ped Light Pole Pull Box	16	EA		
265600-7	In-ground Lighting	5	EA		
265600-8	LED Light Strip	691	LF		
265600-9	Recessed Linear In-Grade Fixture	5	EA		
265600-10	Relocated City Streetscape Poles	4	EA		
265600-11	Underground Electric for Street lights	225	LF		
NIC	Pole Mounted WiFi WAP by EPB	14	EA		
NIC	Building Mounted WiFi WAP by EPB	2	EA		
NIC	Traffic Signal WiFi Hub by EPB	2	EA		
<b>311000</b>	<b>Site Clearing &amp; Demolition</b>				
311000-1	Demolition of existing site elements including sidewalks, asphalt, pavers, utilities, flag poles, signs or other man-made items shown on plans, include removal, disposal and saw	1	LS		
311000-2	Concrete Fill Existing Pipes to remain	3	CY		
311000-3	Bus Stop Removal	1	LS		
311000-4	Remove existing fountain pumps	1	LS		
311000-5	Relocate Bike Share Station	1	LS		
311000-6	Remove and store items shown as salvaged, such a site furniture and signs.	1	LS		
311100-7	Silt Fencing, TYPE C	375	LF		
311000-8	Inlet Protection w/ Waddle	11	EA		
311000-9	Outlet Protection at sediment traps	1	EA		
311000-10	Undercut Chamber Area as Sediment Trap	210	CY		
311000-11	Temporary Stone Filter Dam	1	EA		
311000-12	Construction Entrance	2	EA		
311000-12	Diversion Swales W/ matting	280	LF		
311000-13	Monitoring	1	LS		
311000-14	Temporary Seeding/Mulch	1	LS		

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				Contractor Name	
Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
311000-15	Silt Waddle	175	LF		
311000-16	Concrete Washout	1	EA		
311000-17	Maintenance of BMPs	1	LS		
311000-18	Tree Protection	1	LS		
311000-19	Temporary Traffic Control, phase 1A	1	LS		
311000-20	Temporary Traffic Control, phase 1B	1	LS		
311000-21	Temporary Traffic Control, phase 2	1	LS		
311000-22	Temporary Traffic Control, phase 3	1	LS		
311000-23	6' Tall Temporary Site Security Fence (adjust locations as needed)	2000	LF		
<b>312000</b>	<b>Earthwork</b>				
312000-1	Common and/or Borrow Excavation and placement compacted in place	1	LS		
312000-2	Mass Rock Excavation	20	CY		
312000-3	Trench Rock Excavation	10	CY		
312000-4	Undercut below subgrade as directed by testing agency	190	CY		
312000-5	Backfill undercut areas with crushed stone as directed	150	CY		
312000-6	Backfill undercu areas with offsite fill	40	CY		
312000-7	Haul contained soil to a legal disposal site	200	CY		
312000-8	Excavate and place undercut contained soil to cap below grade onsite (excavation above subgrade is included in common	50	CY		
<b>321216</b>	<b>Hot-Mix Asphalt Paving</b>				
321216-1	Pavement Cut and replacement Georgia Ave for utility/drainage cuts, per SD700.01	2170	SF		
321216-2	Pavement Cut and replacement at North End of Cherry St.	450	SF		
321216-3	Mill Asphalt Topping <1" as need	200	SF		
<b>321313</b>	<b>Portland Cement Concrete Paving</b>				
321313-1	Concrete Curb & Gutter Type A	535	LF		
321313-2	Concrete Drop Curb for Curb Ramps & Speed Table Transitions	210	LF		
321313-3	Concrete Rolled Curb and Gutter	14	LF		
321313-4	Flush Curb at Crosswalks	318	LF		

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				Contractor Name	
Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
<b>321400</b>	<b>Unit Paving</b>				
321400-1	Vehicular Paving System (including asphalt base and stone subbase)	19,060	SF		
321400-2	Pedestrian Paving System (including concrete base and stone subbase)	37,489	SF		
321400-3	Truncated Dome Paver	171	SF		
321400-4	Directional Bar Paver	1,468	SF		
321400-5	4' x 4' Pavergrate	37	Ea		
321400-6	6' x 6' Pavergrate	29	Ea		
321400-7	Paver Edge Restraint	11,360	LF		
<b>321500</b>	<b>Aggregate Surfacing</b>				
321500-1	Stabilized Decomposed Granite	104	SF		
321500-2	Steel Landscape Edging	58	LF		
<b>324000</b>	<b>Stone Outcrop</b>				
324000-1	Stone Outcrop	1	LS		
<b>328400</b>	<b>Planting Irrigation</b>				
328400-1	Drip Irrigation System	2,587	SF		
328400-2	Root Watering System	240	EA		
328400-3	Subsurface Irrigation Mat	25,500	SF		
328400-4	Temporary Lawn Irrigation System	25,500	SF		
328400-5	Irrigation Controller	1	EA		
328400-6	Irrigation Piping, valves	1	LS		
<b>329100</b>	<b>Planting Soils</b>				
329100-1	Sandy Lawn Soil w/ Netion ATS 4" Deep	1	LS		
329100-2	Planting Soil	1	LS		
329100-3	Silva Cell Soil	1	LS		
<b>329200</b>	<b>Turf and Grasses</b>				
329200-1	Sod	25,500	SF		
<b>329300</b>	<b>Plants</b>				
329300-1	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'- 3" Cal.	7	EA		
329300-2	<i>Carpinus caroliniana</i> - 3" Cal.	2	EA		
329300-3	<i>Cladrastis kentucke a</i> - 4" Cal.	13	EA		
329300-4	<i>Hamamelis virginiana</i> - 8-10' Ht	3	EA		
329300-5	<i>Liriodendron tulipifera</i> - 4" Cal.	13	EA		
329300-6	<i>Liriodendron tulipifera</i> 'Arnold'- 4" Cal.	7	EA		
329300-7	<i>Nyssa sylvatica</i> 'Wildfire'-4" Cal.	6	EA		
329300-8	<i>Oxydendron arboreum</i> - 4" Cal.	4	EA		
329300-9	<i>Quercus bicolor</i> - 4" Cal.	7	EA		
329300-10	<i>Quercus lyrata</i> - 4" Cal.	22	EA		

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Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
329300-11	Perennials- QT.	1,224	EA		
329300-12	Shrubs - 5 gallon	17	EA		
329300-13	Perennials- Plugs	893	EA		
329300-14	Inspections by Arborist	1	LS		
<b>329451</b>	<b>Soil Cells</b>				
329451-1	Two-Layer Soil Cell System and all required components	1,634	EA		
<b>331000</b>	<b>Water Distribution System</b>				
331000-1	2" Water Tap (including all fees)	2	EA		
331000-2	2" Copper Service	115	LF		
331000-3	Backflow Preventer Irrigation and Hot Box for Irrigation	1	EA		
331000-4	Fire Hydrant with gate valve assembly	1	Ea		
331000-5	6" DIP Water Line	7	LF		
331000-6	Remove existing FH assembly and add fitting and thrust block for new 6" extension	1	Ea		
<b>333000</b>	<b>Sanitary Sewer System</b>				
333000-1	Connect to Existing Manhole	3	EA		
333000-2	Repair Existing Manholes	2	EA		
333000-3	Manholes (10' to 12' Deep) (installed in place)	3	EA		
333000-4	18" PVC Sewer Line (8' to 10' Deep) (installed in place)	265	LF		
333000-5	3" Copper Sewer (installed in place)	30	LF		
333000-6	Backwater Valve from sump pump in basement (installed in place)	1	EA		
333000-7	Tap Existing Sewer Main	1	EA		
333000-8	4" PVC Sewer Service (installed in place)	86	LF		
333000-9	not used				
333000-10	Sewer Cleanout (installed in place)	4	EA		
333000-11	Grease Trap & Lids (installed in place)	1	EA		
333000-12	As-built Survey Sewer System	1	LS		
333000-13	Testing	1	LS		
333000 /334000-14	Adjust Existing Utility Box and Manhole Lid's Elevation , including a concrete collar below paver grade	11	EA		

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				Contractor Name	
Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
<b>334000</b>	<b>Storm Drainage</b>				
334000-1	Concrete Junction Boxes (installed in place)	3	EA		
334000-2	Catch Basins - 24"x24" Grate (installed in place)	4	EA		
334000-3	Catch Basins - 18"x36" Grate (installed in place)	6	EA		
334000-4	Inline Drain 6" & Grate (installed in place)	2	EA		
334000-5	Inline Drain 8" & Grate (installed in place)	2	EA		
334000-6	Drain Basin 8" & Grate (installed in place)	7	EA		
334000-7	Drain Basin 10" & Grate (installed in place)	1	EA		
334000-8	Drain Basin 15" & Grate (installed in place)	1	EA		
334000-9	12"x6" French Drain (installed in place)	340	LF		
334000-10	Underground Chamber System - including stone foundation, backfill, and manifold pipes	1	LS		
334000-11	Water Quality Unit , FD-4 (installed in place)	1	EA		
334000-12	Pump Out Water Quality Unit at Project Completion	1	EA		
334000-13	Storm Water Clean-outs (Non-Traffic Areas)	2	EA		
334000-14	Brick slot Drain (installed in place)	60	LF		
334000-15	As-built Survey of Drainage	1	LS		
334000-16	Pavement Cut / Replacement	700	SF		
334000-17	Infiltration Testing prior to Chamber Installation	6	EA		
334000-18	15" Dia. Reinforced Concrete Pipe (installed in place)	350	LF		
334000-19	4" Dia. HDPE Pipe (Underdrain)	1,740	LF		
334000-20	6" Dia. HDPE Pipe (installed in place)	166	LF		
334000-21	8" Dia. HDPE Pipe (installed in place)	256	LF		
334000-22	12" Dia. HDPE Pipe (installed in place)	73	LF		
334000-23	15" Dia. HDPE Pipe (installed in place)	202	LF		
334000-24	12" Elbow (installed in place)	1	EA		

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Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
334000-25	6"x4" Tee (installed in place)	1	EA		
334000-26	not used				
334000-27	Gravel French Drain in lawn (installed in place)	725	LF		
334000-26	15" Tee into existing RCP downstream of #F4	1	LS		
<b>SI</b>	<b>SUPPLEMENTAL INFORMATION</b>				
<b>SI-001</b>	<b>Stage Pavilion</b>				
SI-001-1	Stage Pavilion	1	LS		
SI-001-2	Projection Screen	1	LS		
SI-001-3	Building Signage	1	LS		
SI-001-4	Toilet Accessories	1	LS		
SI-001-5	Projection Equipment	1	LS		
<b>SI-002</b>	<b>Fountain</b>				
SI-002-1	Fountain	1	LS		
<b>SI-003</b>	<b>Roadway</b>				
SI-003-1	Traffic Control Signage, including poles and installation	2	EA		
SI-003-2	Pavement Striping (including milling of old stripping as necessary)	1	LS		
SI-003-3	Store, Clean, and Reset Bus Stop	1	EA		
SI-003-4	Mobilization for Base Bid Phasing as indicated in Section 01010, 1.3, A	1	LS		
<b>SI-004</b>	<b>Special Waste</b>				
SI-004-1	Haul suspected special waste material to City site <4 miles (to be paid per scale ticket)	270	TN		
SI-004-2	Containment and cover of suspected special waste material.	1	LS		
SI-004-3	Load and Haul special waste material to permitted special waste landfill (to be paid per scale ticket)	270	TN		
<b>SI-005</b>	<b>Incentive Payment</b>				
SI-005-1	Incentive Payment for completion of roadwork prior to 120 days per Section 01010 of Project Manual	15	EA	\$1,500	\$ 22,500.00
<b>CONTRACT R-14-011-101 SUBTOTAL</b>					

BID SCHEDULE  
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 City of Chattanooga, Tennessee

				Contractor Name	
Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
<b>ALT-001</b>	<b>Add Alternate No. 1</b>				
ALT-001-1	Delete Item SI-003-4 and replace with the following: Mobilization for Alternate 1 phasing as indicated in Section 01010, 1.3, A.	1	EA		
<b>CONTRACT SUBTOTAL WITH ALTERNATE 1</b>					

<b>ALT-002</b>	<b>Add Alternate No. 2</b>				
ALT-002-1	Delete Item 01010-1 and replace with the following: Mobilization for Alternate 2 phasing as indicated in Section 01010, 1.3, A.	1	EA		
<b>CONTRACT SUBTOTAL WITH ALTERNATE 2</b>					

NOTE: Alternates 1 and 2 shall be considered individually and are not cumulative.

S&ME understands that the City of Chattanooga will request regulatory concurrence through the State of Tennessee Department of Environment and Conservation (TDEC) Voluntary Oversight and Assistance Program (VOAP) following completion of the project. As such, based on previously identified foundry-derived waste observed in the northeastern region of the site (geotechnical borings B1 and B3), S&ME recommends adherence to soil handling procedures during intrusive construction activities. Soil handling procedures should include documentation of location and placement of impacted soil and nature of cap across the site. This documentation will serve to support request of concurrence from TDEC. TDEC may also require recordation of a Notice of Land Use Restrictions to provide a record of site conditions and required soil management procedures for the site. We understand the Notice will be prepared by others and filed at a later date.

### ❖ **Soil Management Practices**

The presence of foundry sand, metals-impacted, and /or petroleum-impacted soil on a construction site corresponds with potential risks for the ingestion, inhalation and dermal contact exposure pathways. At this time, site development activities present a potential exposure pathway to site workers during construction. Additionally, exposure of the impacted soil presents a potential off-site migration issue if proper storm water best management practices are not implemented. Because of these potential exposure pathways, certain site management practices must be implemented to be protective of potential receptors. Provided that the foundry sand and petroleum impacted soils are placed below a minimum of 24 inches of clean fill or a sufficient impervious layer, then direct exposure to potential future receptors should be significantly reduced.

Within the boundaries of the planned development, it is not anticipated that soils will be excavated for offsite disposal. However, it is contemplated that soils may be relocated in the process of site grading activities to achieve desired grades prior to the placement of fill. If metals-impacted, petroleum-impacted soil or soil containing foundry sand must be disposed offsite to meet the grading requirements, it will be characterized appropriately and for appropriate disposal determination.

In the absence of additional site characterization data, at a minimum, the following soil management practices will be implemented by the property owner/developer. Proper implementation of these management practices should reduce unnecessary exposure to potential constituents of concern associated with foundry sand at the site. The site management practices consist of the following:

- ◆ Notification to the materials testing firm and project environmental consultant prior to beginning any construction or demolition work at the site which are intrusive in nature and would potentially disturb or expose the subsurface foundry sand.
- ◆ Site workers who are reasonably expected to be exposed to foundry sand and/or petroleum and metals-impacted soil during construction or demolition activities shall be alerted to the potential constituents of concern associated with the foundry sand at the site and be familiar with these site management practices prior to implementing the work.
- ◆ These workers shall be informed of the risk associated with ingestion or inhalation of the sand particles and shall be instructed to limit physical contact with the impacted soils. If an aspect of the work requires extensive contact with foundry sand and/or petroleum impacted soils, a task-specific safety plan shall be required which would provide additional information on associated risks,

personal protective equipment, and decontamination practices. Contractor shall be responsible for ensuring site workers have met any necessary training requirements related to handling foundry sand and/or petroleum impacted soil.

- ◆ An Environmental Professional or Environmental Technician qualified to identify impacted materials will be on site during intrusive activities.
- ◆ If discolored or stained soils are observed, or unusual odors encountered, the contractor should stop work, notify the superintendent and the Environmental Professional. No soil shall leave the site prior to characterization.
- ◆ Proper sediment and erosion controls must be established prior to construction and/or demolition activities to prevent the inadvertent offsite transport of foundry sand and/or petroleum impacted soil from the site. The controls will be established in accordance with the TDEC erosion and sediment control handbook.

These controls must be periodically inspected and adequately maintained throughout the duration of the construction and/or demolition activities to prevent the offsite transport of foundry sand from the site. Only after the site is adequately stabilized, can the sediment and erosion controls be removed.

- ◆ Sufficient dust control practices will be implemented to prevent the air-borne mobilization of foundry sand from the site. This will generally consist of keeping exposed foundry sand damp.

Where the site redevelopment plan will accommodate fill soil, soil and foundry sand at the site may be relocated to any area (other than utility trench backfill) of the site, provided the location of placement also was demonstrated to have had like soils (existing foundry sand or petroleum-impacted soil) and/or will be placed under pavement or 24 inches of clean soil cap.

- ◆ Utility trenches excavated in areas where foundry sand is present will be backfilled with clean fill material (i.e. gravel, soil) and not foundry sand. These "clean" utility trenches will prevent future utility workers from contacting foundry sand and/or petroleum impacted soil. The foundry sand and/or impacted soil excavated from these utility trenches may be permitted and disposed offsite as a Special Waste or relocated onsite in areas where foundry sand and/or petroleum impacted soil is/are already present (within the "area of impact". During construction or demolition activities, exposed foundry sand may be temporarily covered by a minimum 4-inch layer of soil. Once placed, the temporary soil layer must be stabilized within 15 days.
- ◆ Final site conditions must provide a sufficient impervious layer (asphalt, concrete, or pavement) or a minimum 24-inch layer of amended top soil, plus sod, or over areas where foundry sand and/or indications of petroleum impact are present. This may require undercutting of landscaped areas to accommodate 24 inches of "cap". The permanent soil cover must be stabilized within 15 days of being placed. All cover material, permanent soil cover or impervious layer must be permanently maintained to ensure that foundry sand and/or petroleum impacted soil are not exposed.
- ◆ An as-built drawing and close-out report shall be submitted following completion of the project to document final conditions to the owner, testing firm and environmental professional to submit to TDEC as requested.

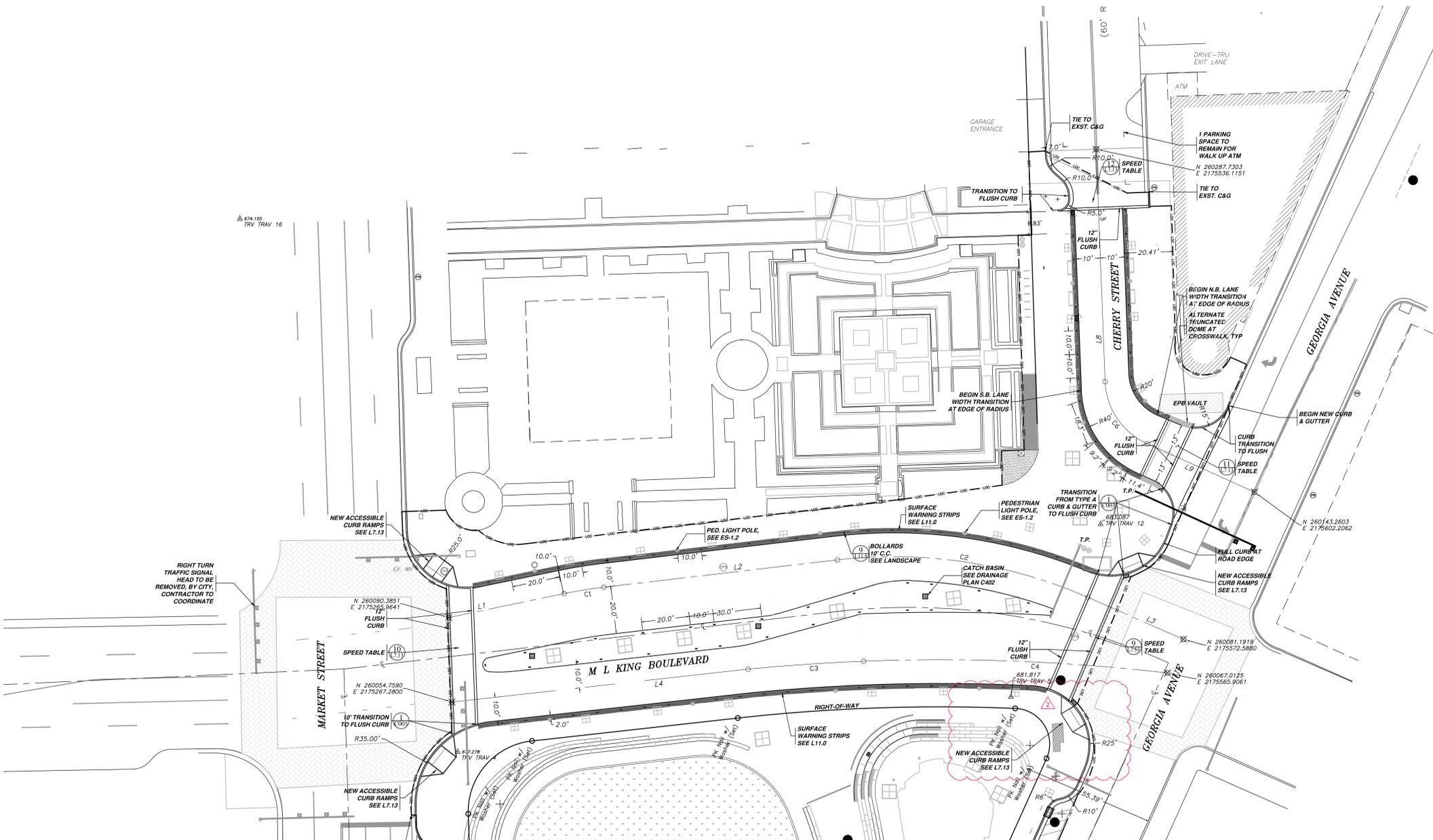
The following questions in writing prior to the stated deadline for questions.

Question No.	Question	Answer	Source	Date Rec'd
1	While we were processing the specifications for the project above we noticed that the following was missing according to the table of contents: 084413 Glazed Aluminum Curtain Wall Systems Was this left out intentionally?	No, it was not left out intentionally. This section is included in Addendum 1.	Builders Exchange of TN	3-Jan-17
2	Spec section 08 43 13 Storefront is referenced but no spec	This is an error. This spec section is not used on the project.	Steve Dover/ Dilliard Construction	10-Jan-17
3	Please provide match lines for the Paving Pattern Plans (L7 series drawings). The match lines are required for accurate takeoff of the different paver types, which vary in cost.	L7 series drawings have been updated with match lines.	Eastern States Paving, Inc	13-Jan-17
4	If we have to undercut anything or if soft soil is encountered, where does it go? If the answer is off site, then will it not be hazardous waste at this point? And if so we will need a lot more detail on what to do with it ( haul to city landfill ? Haul and dispose to a haz waste landfill? What is the exposure? ) we will need new line items if this is the case.	We anticipate the site to be net fill, so the soft soil could be buried below the lawn. Two environmental reports were released with Addendum 1.	Aaron Smith	17-Jan-17
5		The stabilized decomposed granite is specified in Section 32 15 00 Aggregate Surfacing. Refer to Part 2, paragraph 2.1 for a recommended manufacturer.	Aaron Smith	17-Jan-17
6	what is stabilized decomposed granite? Where do you buy it? I noticed I cannot find any mobilization line item? Why? If there is no mob line to be installed then I need to be ensured which line items will be used, as I have a tremendously large soft cost in this project. ( I.e. Bond, insurance, project management , site management, mobilization cost , etc)	A General Conditions line item was added to the Bid Form in Addendum 1.	Aaron Smith	17-Jan-17
7	The stone manufacturer seems to be having a really tough time making your product to be in specifications, is the any flexibility in the tolerance of the cut stone? Otherwise this may not be possible to achieve.	The specifications and sizing for the stone outcrop were developed in close coordination with manufacturers. We have confirmed with manufacturer that the stone outcropping can be achieved.	Aaron Smith	17-Jan-17
8	What is engineered lawn soil?	The engineered soil is amended with sand and netlawn fibers, see item D on detail 8/C002.	Aaron Smith	17-Jan-17
9	There seems to be a lot more retaining wall than what's on the bid sheet, is 83 feet all you think you have?	The powder coated steel planting bed edgers and monument steps are not considered retaining walls. Those items are covered with separate line items.	Aaron Smith	17-Jan-17
10	Also seems to be some holes in bid tabs, if something is missed and not on the bid tabs, who will be responsible? One example I see is USB chargers , there are 7 , but I don't find any USB wiring anywhere to bid. Of course maybe I missed it.	The contractor will be responsible for what is proposed on the construction drawings and specifications. If something is required on the drawings or specs it needs to find a place on the form. In this example, the cost of USB charger would include all of the material necessary to properly install the chargers.	Aaron Smith	17-Jan-17
11	Can fiber-mesh replace 6x6xw2xw2 welded wire fabric for line item 321400-2 Pedestrian Paving System?	No, the fiber mesh would not provide an equivalent enforcement.	Seth Williams/ Yerbey Concrete	18-Jan-17
12	How are line items 044300-1 and 044300-2 measured in the field? Does the square footage account for tread and step face? Or just tread?	The square footage given is the tread of the steps. The segments of granite are solid blocks.	Seth Williams/ Yerbey Concrete	18-Jan-17
13	Details #5 and #6 on sheet L11.0 are not to scale, Is the dimensioning off? Lateral dimensions are correct at 1"=1'. Vertical dimensions do not check out at 1"=1'.	These details have been corrected for Addendum 2.	Seth Williams/ Yerbey Concrete	18-Jan-17

14	Please Provide a line item for Curb & Gutter Install.	This line item was added to the Bid Form in Addendum 1/	Seth Williams/ Yerbey Concrete	18-Jan-17
15	Drawing L-1.6 Item List - Items 5, 14, 15 and 16 - What unit line do we code installation cost for the above referenced items?	See updated Bid Form line items 129300-5, 129300-6.	Dilliard Construction	19-Jan-17
16	Unit Item Bid Sheet - Item #311000-6 "remove and store items shown as salvage, such as site furniture and signs" - Does the City have a storage location that these items can be stored in? If so, what is the location of this facility? If not, are we to include cost of a storage unit in our number and would it be coded to this line item?	See updated Demolition Plan.	Dilliard Construction	19-Jan-17
17	Spec Section 08-44-13 Addn #1, - Paragraph 1.4 N and O call for Windborne-Debris-Impact Resistance and Blast Mitigation. Our Storefront Contractors have all indicated that the design bases doesn't have current testing that will meet this Specification.  The specification States: Impact Resistance Performance: Shall be tested in accordance with ASTM E1886, information in ASTM E1996, and TAS 201/203.  Blast Mitigation: Shall be tested or proven through analysis to meet ASTM F1642, GSA-TS01, and UFC 04-010.01 performance criteria. In that this system doesn't have Performance testing available, and we would not have time to obtain the test, what will we need to price? Do we price the system as specified, excluding the performance requirement, or a different system? If a different system, can you please provide the specifications?	Proceed with Kawneer regardless of unavailable data:  The intent is to use the basis of design Kawneer. Please submit all testing data available. Architect will follow up with Kawneer regarding the missing testing data during the submittal review process	Dilliard Construction	19-Jan-17
18	Storm-water Drainage - Unit price sheet Item 334000-3 calls for six (6) each catch basins with 18 x 36 grates; however, the details show the grates to be 24 x 36. Which size is correct?	The 18x36 is preferred since it will match gutter width; however, the design team didn't find a vendor for 18x36 bike safe grate. 24x36 is an acceptable alternative, so either size will be accepted.	Dilliard Construction	19-Jan-17
19	Landscaping - Landscapers have indicated that several of the trees, and plants are not and will not be available either in Species and/or in the size specified. If unable to locate the specific tree and/or caliper, during submittal process, will alternative (substitute) trees and or sizes be acceptable? Same question, for plants, will substitutes be accepted?	WMWA will help source plants once the contract is awarded. If specific plants and/or sizes cannot be found, substitutions will be allowed.	Dilliard Construction	19-Jan-17
20	Spec section 05-12-00 Structural Steel, Part I, Paragraph 1.05/A Quality Assurance AISC Certification - Would Architects, Engineers and/or Owner, give consideration to wave this requirement? We have several qualified Fabrication shops that meet the AISC qualification, but feel that the cost outweighs the benefits, so they do not have the "certificate".	There are a couple of ways to meet the fabricator qualifications requirements in the IBC. One is to be an AISC Certified plant, which means that they have gone through the AISC requirements and have been accepted. The other is by review of the fabricator by a third party to assure quality control procedures are being maintained in accordance with AISC 360-10 requirements. One of these methods is required by the building code.	Dilliard Construction	19-Jan-17

21	Fiber root zone reinforcement in the lawn area. Section 32 91 00-6 2.5A specifies a mesh product by Netlon. I cannot get a call back from a rep. Is there a further spec for detail of weight of mesh? Would Fiber Re-enforced soils be an acceptable alternative?	Contact Geosolutions at 512-445-0796 ask for Richard. Alternative soil reinforcement can be reviewed during submittal process for equivalency once project is awarded.	Dilliard Construction	19-Jan-17
22	Spec section 32-84-00/2.7 - Irrigation Lines- Specifications call for warning tape on top of all pressurized lines. Does this include laterals that are only pressurized during zone operation?	No, warning tape is only required for the main lines that are always under pressure.	Dilliard Construction	19-Jan-17
23	Spec section 32-84-00/3.3A - Irrigation specs call for all irrigation lines to be placed at 0.5% slope. This project is fairly level, how is this spec implemented?	Disregard this requirement, it is not applicable since there isn't significant grade change on the site.	Dilliard Construction	19-Jan-17
24	Spec section 32-40-00 - Would the following stone suppliers for the stone outcropping be accepted? Danny Sherrill Stone Company 865-617-1951, Cumberland Mountain Stone 800-334-7719 and Cook's stone Company 865-354-8127	Yes, as long as they meet the qualifications and are able to supply the material as outlined in the drawings and specifications.	Dilliard Construction	19-Jan-17
25	Spec section 32-91-00/3.5 - The Silva cells call for 80% or less compaction, there is a testing requirement for this compaction. If it is less than 80% is there need for testing if the soil is watered in?	Silva Cell Technical reps will provide support, but testing is not required. The landscape architect may spot check with a penetrometer to ensure soil is not over-compacted.	Dilliard Construction	19-Jan-17
26	Spec section 32-92-00 - Spec calls for seeded turf to be maintained for 60 days, there is no length given on the great lawn area, which is to be sodded. How long should the maintenance period be on the sodded lawn?	Spec section 32-92-00 should read as "Turf Sod" and not "Seeded Turf". A 60-day maintenance period from date of planting is still required.	Dilliard Construction	19-Jan-17
27	We are not getting any feedback after multiple attempts to reach out to Tectura Designs regarding the pavers. Attempts have been made to the representative listed on 32 14 00-4 as well as though the company website. Are substitutions acceptable?	The main number for Tectura Designs is (800) 388-8728. If the listed representative isn't available, ask the main desk who else is available to help you.	Dilliard Construction	19-Jan-17

28	Paver spec calls for strict weather limitations regarding weather on 32 14 00-4 in Bituminous setting. This installation will be slow and will face large delays in damp or cold conditions. Regarding the liquidated damages, how will lost days in this scope be calculated and accounted for?	Section 01035 has the City standard set for weather delays. This includes rules for extensions of contract time, conditions for adverse weather delay days, and the procedures for documentation and submittal.	Dilliard Construction	19-Jan-17
29	Spec section 32-84-00/3.3G - Irrigation spec calls for PVC piping to be installed in dry weather and temps above 40 degrees. How will these lost days be accounted for? These two (2) weather issues do not effect pipe installation.	Section 01035 has the City standard set for weather delays. This includes rules for extensions of contract time, conditions for adverse weather delay days, and the procedures for documentation and submittal.	Dilliard Construction	19-Jan-17
30	Related to special work material – who will be responsible for application and permit with TDEC, Soil Management plan, monitoring costs, etc?	Soil Management plan has been provided via addendum. Owner will provide third party geotechnical and environmental testing.	Dilliard Construction	19-Jan-17
31	Has a preliminary soil management plan been developed for approval by TDEC or for a basis of scope for the bid?	Yes a soil management plan has been prepared and will be provided via addendum.	Dilliard Construction	19-Jan-17
32	Has any allowances been made in the schedule to address the contaminated soils?	Onsite work is to be completed within the required schedule.	Dilliard Construction	19-Jan-17
33	What Bid item does the cost for utility disconnection of existing fountain pump need to be posted?	The owner is going to salvage the existing pump. The demolition plan will be updated to reflect those items salvaged by owner. Utility disconnection would fall under demolition item 311000-1	Dilliard Construction	19-Jan-17
34	What Bid item does landscaper include the cost for inspections by Arborist?	A line item has been added 329300-14 for Inspections	Dilliard Construction	19-Jan-17
35	What is the rate of pay for City Engineer for after hour inspections?	\$85.00	Dilliard Construction	19-Jan-17
36	Line item 33-40-00-26 previously listed as concrete "T" now listed as not used. Plans and work still require this item to be installed. What line item do we post this cost to?	Correct, there is a RCP tee downstream of drainage structure # F4. Bid Item 334000-26 has been added back.	Dilliard Construction	19-Jan-17
37	Plans ES1.1 and ES1.2 Site Lighting schedule fixture type "S" notes provide pole base part number but does not give the fixture part number. Can you provide us with the correct fixture part number?	Concerning the type S city street scape lighting poles, under the site lighting fixtures schedule on sheet ES1.1, we instruct the contractor to purchase these poles and bases from Chattanooga DOT. The part numbers are irrelevant, since the city will furnish whatever pole and base they choose at the time, the contractor simply pays DOT the poles and installs whatever he is provided.	Dilliard Construction	20-Jan-17



**LEGEND**

- EX C - Ex. Curb
- EX CL - Ex. Centerline
- EX F - Ex. Fence
- EX WL - Ex. Water Line
- EX FL - Ex. Fire Line
- EX IRR - Ex. Irrigation Line
- EX SD - Ex. Storm Drainage Line
- EX SS - Ex. Sanitary Sewer Line
- EX FM - Ex. Sanitary Sewer Force Main
- EX SW - Ex. Swale Centerline
- EX DC - Ex. Ditch Centerline
- EX G - Ex. Gas Line
- EX OHE - Ex. Overhead Elect. or Utility Line
- EX UGE - Ex. Underground Electrical
- EX UGTV - Ex. Underground Cable TV
- EX UGFO - Ex. Underground Fiber Optics
- EX UGTP - Ex. Underground Telephone
- PR - PROPERTY LINE
- BL - BUILDING LINE
- ESL - EASEMENT LINE
- BSL - BUILDING SETBACK LINE
- LL - LANDSCAPE BUFFER LINE
- RL - ROW LINE
- CR - CURB
- CL - CENTERLINE
- SL - SPLIT ZONING LINE (w/in PROPERTY)
- PF - PROP. FENCE LINE
- SF - PROP. SILT FENCE
- LOC - PROP. LIMITS OF CONSTRUCTION
- TF - PROPOSED TREE PROTECTION
- SWC - PROPOSED SWALE CENTERLINE
- DC - PROPOSED DITCH CENTERLINE
- W - PROP. WATER LINE
- FL - PROP. FIRE LINE
- IRR - PROP. IRRIGATION LINE
- G - PROP. GAS LINE
- SD - PROP. STORM DRAINAGE LINE
- PERF - PERFORATED PIPE
- SS - PROP. SANITARY SEWER LINE
- FM - PROP. SANITARY SEWER FORCE MAIN
- OHE - PROP. OVERHEAD ELECT. OR UTILITY LINE
- UGE - PROP. UNDERGROUND ELECTRICAL
- UGTV - PROP. UNDERGROUND CABLE TV
- UGFO - PROP. UNDERGROUND FIBER OPTICS
- UGTP - PROP. UNDERGROUND TELEPHONE

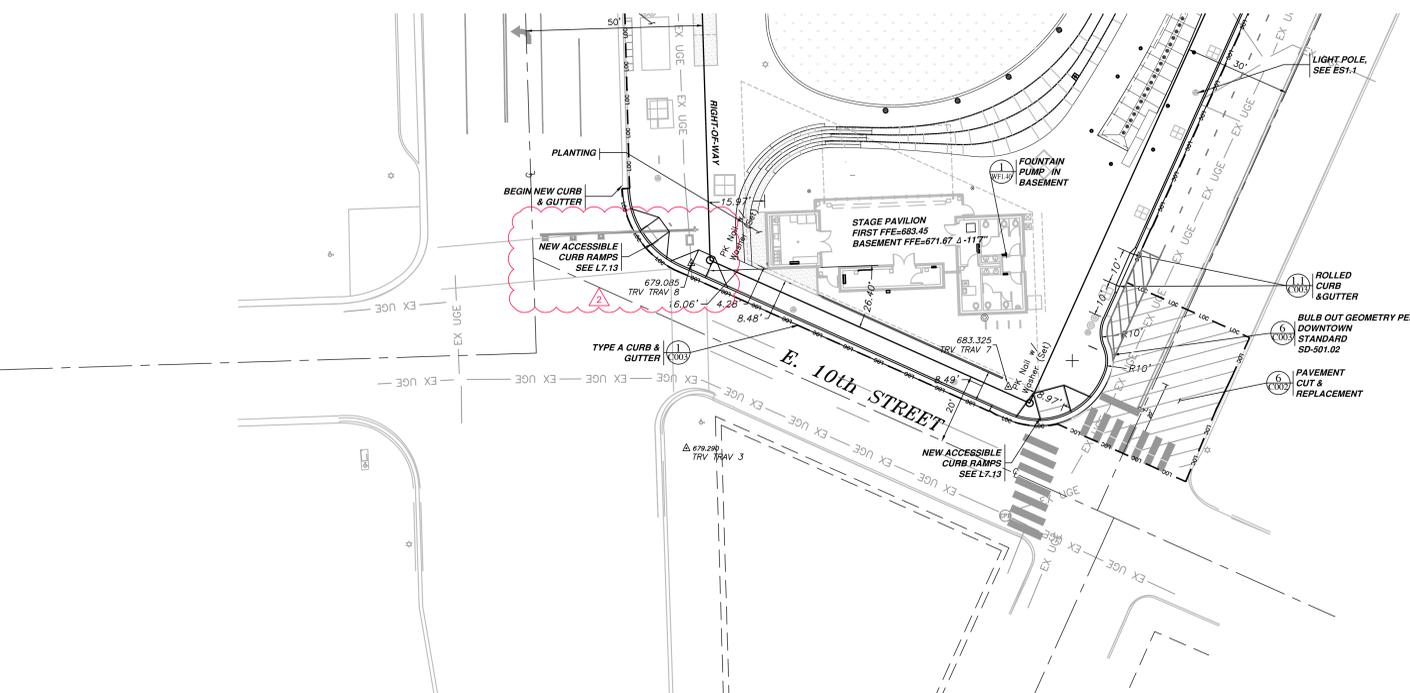
**ABBREVIATIONS:**  
 EL - ELEVATION OF TOP STEP (HEAD)  
 BS - ELEVATION AT BOTTOM OF LOWEST STEP (HEEL)  
 RCP - REINFORCED CONCRETE PIPE  
 PM - PARKING METER  
 RW - RIGHT-OF-WAY SETBACK  
 RW - REAR WIND SETBACK  
 RW - FRONT WIND SETBACK  
 RW - FINISH GRADE AT TOP OF RETAINING WALL (BRASS GRADE)  
 RW - FINISH GROUND GRADE AT BOTTOM OF RETAINING WALL (BRASS GRADE)  
 SD - STORM DRAINAGE / SANITARY SEWER CLEAN-OUT  
 SW - SPLIT ZONING CONNECTION  
 SW - SINGLE SOLID YELLOW LINE  
 SW - SINGLE BROKEN WHITE LINE  
 SW - DOUBLE SOLID YELLOW LINE

**Line Table**

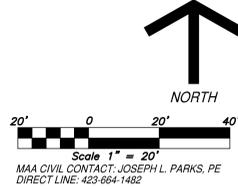
Line #	Length	Direction
L1	49.113	N78° 11' 02.09"E
L2	98.155	N83° 15' 29.73"E
L3	43.684	S66° 05' 24.87"E
L4	124.371	S83° 36' 13.24"W
L8	97.985	N2° 11' 05.05"W
L9	49.230	N65° 31' 31.98"W

**Curve Table**

Curve #	Length	Radius	Delta
C1	16.827	190.000	5.0743
C2	106.994	200.000	30.6515
C3	48.263	809.233	3.4172
C4	127.117	808.913	9.0038
C6	33.165	30.000	63.3408



- TRANSPORTATION NOTES:**
1. PEDESTRIAN LIGHTS SHALL BE ORDERED BY THE CONTRACTOR AT LEAST THREE MONTHS IN ADVANCE OF THE SCHEDULED INSTALLATION DATE. CONTRACTOR SHALL ORDER LIGHTS FROM THE CITY OF CHATTANOOGA (423-643-5919) IN ORDER TO PLACE AND COORDINATE THE PARTNERSHIP AGREEMENT WITH THE CITY.
  2. CONTRACTOR SHALL INSTALL THE STREETScape, INCLUDING ALL CONDUIT AND FOUNDATIONS PER CITY OF CHATTANOOGA STANDARD SD-507.01. CONTRACTOR SHALL ALSO INSTALL PULL BOXES WHICH ARE PROVIDED BY EPB. AFTER THE CONTRACTOR HAS INSTALLED PULL BOXES, CONDUIT, AND FOUNDATIONS, EPB WILL THEN INSTALL THE POLES, FIXTURES, AND PULL THE WIRE.
  3. CONTRACTOR SHALL REFER TO THE CITY OF CHATTANOOGA STANDARD DETAILS FOR ALL APPLICABLE CONSTRUCTION STANDARDS. SD-200 SERIES SHOULD BE USED FOR ALL ROADWAY AND DRIVEWAY DETAILS. SD-500 SERIES SHOULD BE USED FOR ALL STREETScape STANDARDS.
  4. IF APPLICABLE TO THE PROJECT, THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CHATTANOOGA AND ALL LOCAL UTILITY COMPANIES FOR THE UNDERGROUND RELOCATION OF ANY UTILITY LINES.
  5. CONTRACTOR SHALL MATCH EXISTING SIDEWALK GRADES WHEREVER PROPOSED CONSTRUCTION MEETS EXISTING.
  6. CONTRACTOR SHALL COORDINATE WITH TOMMY TROTTER 423-643-5958 ttrotter@chattanooga.gov FOR PLACEMENT AND TIMING OF REVISIONS TO EXISTING TRAFFIC SIGNAL POLES.



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 Consulting Engineers - MAA # 15370

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 A Joint Venture  
 SPACKMAN MOSSOP MICHAELS  
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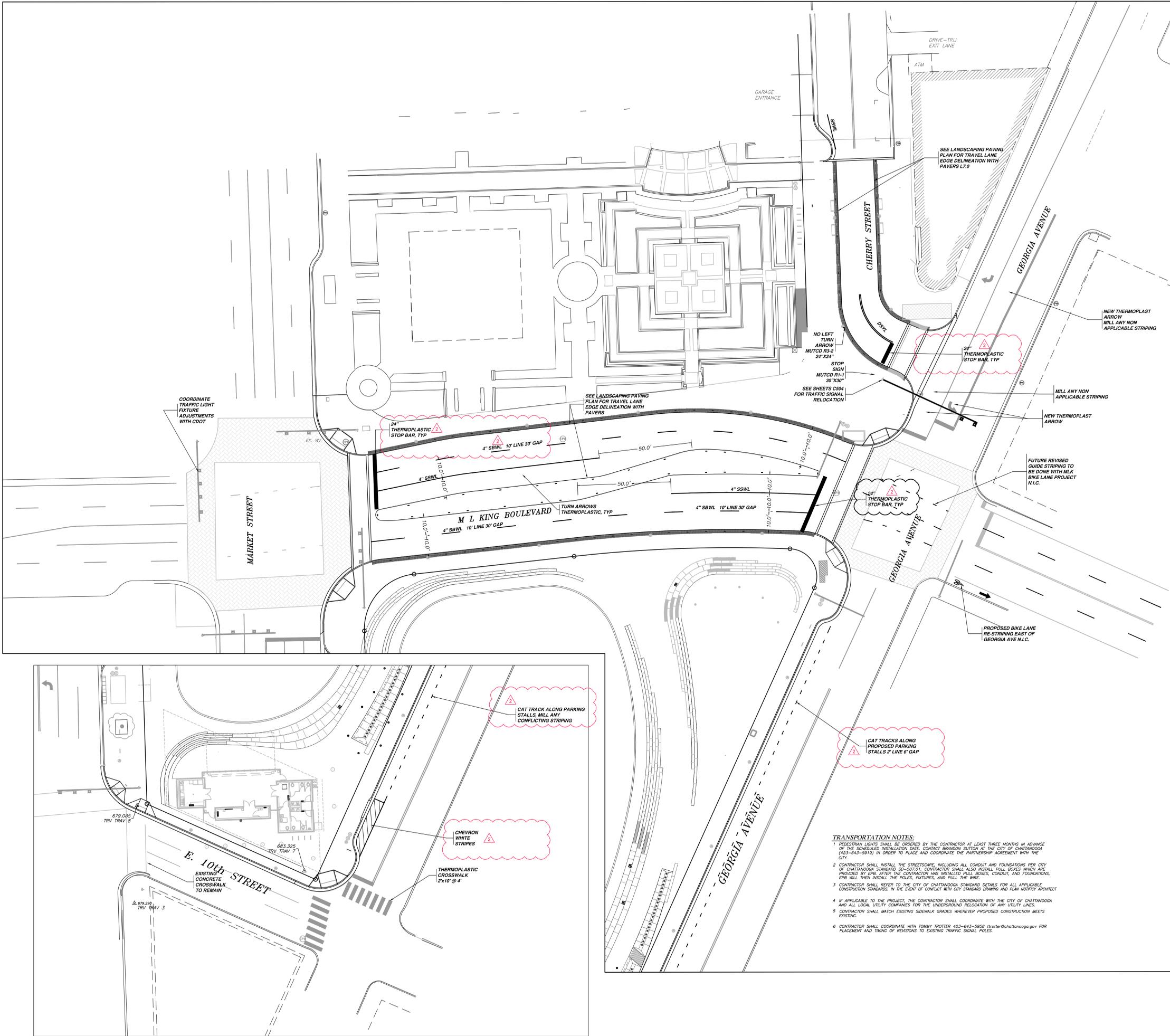
**MILLER PARK DISTRICT PHASE I**  
**CONTRACT NO. R-14-011-201**  
 CHATTANOOGA, TN

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 Date: 12 DEC 2016



100% CONSTRUCTION DOCUMENTS  
 EDR No: 15003  
 Drawn By: JP  
 Drawing Title: ROADWAY STAKING PLAN

Sheet No: C101



**LEGEND**

EX C	Ex. Curb
EX CL	Ex. Centerline
EX WL	Ex. Water Line
EX FL	Ex. Fire Line
EX IRR	Ex. Irrigation Line
EX SD	Ex. Storm Drainage Line
EX SS	Ex. Sanitary Sewer Line
EX FM	Ex. Sanitary Sewer Force Main
EX SC	Ex. Swale Centerline
EX D	Ex. Ditch Centerline
EX G	Ex. Gas Line
EX OHE	Ex. Overhead Elect. or Utility Line
EX UGE	Ex. Underground Electrical
EX UGTV	Ex. Underground Cable TV
EX UGFO	Ex. Underground Fiber Optics
EX UGT	Ex. Underground Telephone
---	PROPERTY LINE
---	BUILDING LINE
---	EASEMENT LINE
---	BUILDING SETBACK LINE
---	LANDSCAPE BUFFER LINE
---	LOT LINE
---	ROW LINE
---	CURB
---	CENTERLINE
---	SPLIT ZONING LINE (w/in PROPERTY)
---	PROP. SILT FENCE
---	PROP. LIMITS OF CONSTRUCTION
---	PROP. TREE PROTECTION
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---	PROP. WATER LINE
---	PROP. DRY FIRE LINE
---	PROP. FIRE LINE
---	PROP. IRRIGATION LINE
---	PROP. GAS LINE
---	PROP. STORM DRAINAGE LINE
---	PERFORATED PIPE
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---	PROP. UNDERGROUND ELECTRICAL
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---	PROP. UNDERGROUND FIBER OPTICS
---	PROP. UNDERGROUND TELEPHONE

**ABBREVIATIONS**

TS = ELEVATION OF TOP STEP TREAD  
 RS = ELEVATION AT BOTTOM OF LOWEST STEP RISER  
 ROP = REINFORCED CONCRETE ROSE  
 PM = PARKING METER  
 FWS = FRONT WIND SETBACK  
 SWS = SIDE WIND SETBACK  
 RWS = REAR WIND SETBACK  
 FES = FINISHED FLOOR ELEVATION  
 FGS = FINISH GRADE AT TOP OF RETAINING WALL (GRASS GRADE)  
 BGS = FINISHED GROUND GRADE AT BOTTOM OF RETAINING WALL (GRASS GRADE)  
 SDCO = SLOPE DOWNWARD CONNECTION  
 SDCU = SLOPE UPWARD CONNECTION  
 SWL = SINGLE SOLID WHITE LINE  
 SBWL = SINGLE BROKEN WHITE LINE  
 SYL = SINGLE SOLID YELLOW LINE  
 SYBL = DOUBLE SOLID YELLOW LINE

**SMMEDR**  
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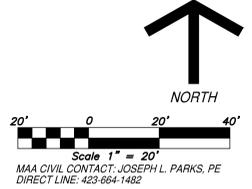
REVISIONS	
1	01-08-17 ADDENDUM 1
2	01-18-17 ADDENDUM 2



100% CONSTRUCTION DOCUMENTS  
 EDR No: 15003  
 Drawn By: JP  
 Drawing Title: ROADWAY STRIPING PLAN

Sheet No: C103

- TRANSPORTATION NOTES:**
1. PEDESTRIAN LIGHTS SHALL BE ORDERED BY THE CONTRACTOR AT LEAST THREE MONTHS IN ADVANCE OF THE SCHEDULED INSTALLATION DATE. CONTACT BRANDON SUTTON AT THE CITY OF CHATTANOOGA (423-643-5919) IN ORDER TO PLACE AND COORDINATE THE PARTNERSHIP AGREEMENT WITH THE CITY.
  2. CONTRACTOR SHALL INSTALL THE STREETSCAPE, INCLUDING ALL CONDUIT AND FOUNDATIONS PER CITY OF CHATTANOOGA STANDARD 30-507.01. CONTRACTOR SHALL ALSO INSTALL PULL BOXES WHICH ARE PROVIDED BY EDR. AFTER THE CONTRACTOR HAS INSTALLED PULL BOXES, CONDUIT, AND FOUNDATIONS, EPB WILL THEN INSTALL THE POLES, FIXTURES, AND PULL THE WIRE.
  3. CONTRACTOR SHALL REFER TO THE CITY OF CHATTANOOGA STANDARD DETAILS FOR ALL APPLICABLE CONSTRUCTION STANDARDS. IN THE EVENT OF CONFLICT WITH CITY STANDARD DRAWING AND PLAN NOTIFY ARCHITECT.
  4. IF APPLICABLE TO THE PROJECT, THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CHATTANOOGA AND ALL LOCAL UTILITY COMPANIES FOR THE UNDERGROUND RELOCATION OF ANY UTILITY LINES.
  5. CONTRACTOR SHALL MATCH EXISTING SIDEWALK GRADES WHEREVER PROPOSED CONSTRUCTION MEETS EXISTING.
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**LEGEND**

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---	Ex. Underground Cable TV
---	Ex. Underground Fiber Optics
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---	PROPOSED TREE PROTECTION
---	PROPOSED SWALE CENTERLINE
---	PROPOSED DITCH CENTERLINE
---	PROP. WATER LINE
---	PROP. DRY FIRE LINE
---	PROP. FIRE LINE
---	PROP. IRRIGATION LINE
---	PROP. GAS LINE
---	PROP. STORM DRAINAGE LINE
---	PERFORATED PIPE
---	PROP. SANITARY SEWER LINE
---	PROP. SANITARY SEWER FORCE MAIN
---	PROP. OVERHEAD ELECT. OR UTILITY LINE
---	PROP. UNDERGROUND ELECTRICAL
---	PROP. UNDERGROUND CABLE TV
---	PROP. UNDERGROUND FIBER OPTICS
---	PROP. UNDERGROUND TELEPHONE

**ABBREVIATIONS:**  
 TS = ELEVATION OF TOP STEP / RISE  
 BS = ELEVATION AT BOTTOM OF LOWEST STEP / RISE  
 RCP = REINFORCED CONCRETE PIPE  
 PM = PARKING METER  
 RSP = REAR VIEW SETBACK  
 FSP = FRONT VIEW SETBACK  
 PFSB = PARK VIEW SETBACK  
 FFE = FINISHED GROUND ELEVATION  
 FFW = FINISH GRADE AT TOP OF RETAINING WALL OR RETAINING WALL (GRASS GRADE)  
 DM = FINISHED GROUND GRADE AT BOTTOM OF RETAINING WALL (GRASS GRADE)  
 SDCO = SLOPE DISTANCE TO CORNER  
 SS = STORM DRAINAGE / SANITARY SEWER CLEAN-OUT  
 SW = SLOPE DOWNWARD CONNECTION  
 SSW = SINGLE SOLID WHITE LINE  
 SYL = SINGLE SOLID YELLOW LINE  
 SBL = SINGLE BROKEN WHITE LINE  
 SYL = SINGLE SOLID YELLOW LINE  
 SBL = SINGLE BROKEN WHITE LINE  
 SBL = SINGLE BROKEN WHITE LINE  
 SYL = SINGLE SOLID YELLOW LINE  
 SBL = SINGLE BROKEN WHITE LINE

**SMMEDR**  
 A Joint Venture  
 ESKEW+DUMEZ+RIPPLE  
 SPACKMAN MOSSOP MICHAELS

**MILLER PARK DISTRICT PHASE I**  
 CONTRACT NO. R-14-011-201  
 CHATTANOOGA, TN

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 A Professional Corporation  
 Date: 12 DEC 2016

REVISIONS
1 01-06-17 ADDENDUM 1

100% CONSTRUCTION DOCUMENTS  
 EDR No: 15003  
 Drawn By: JP  
 Drawing Title: SITE CONDUIT

Sheet No: C503

APPROXIMATE LOCATION OF EX. SSMH TO BE VERIFIED BY CONTRACTOR PER CITY GIS MAPS. TOP=670.46 15" CLAY INV. IN=670.20 15" CLAY INV. OUT=669.98

GARAGE ENTRANCE

DRIVE-TRU EXIT LANE

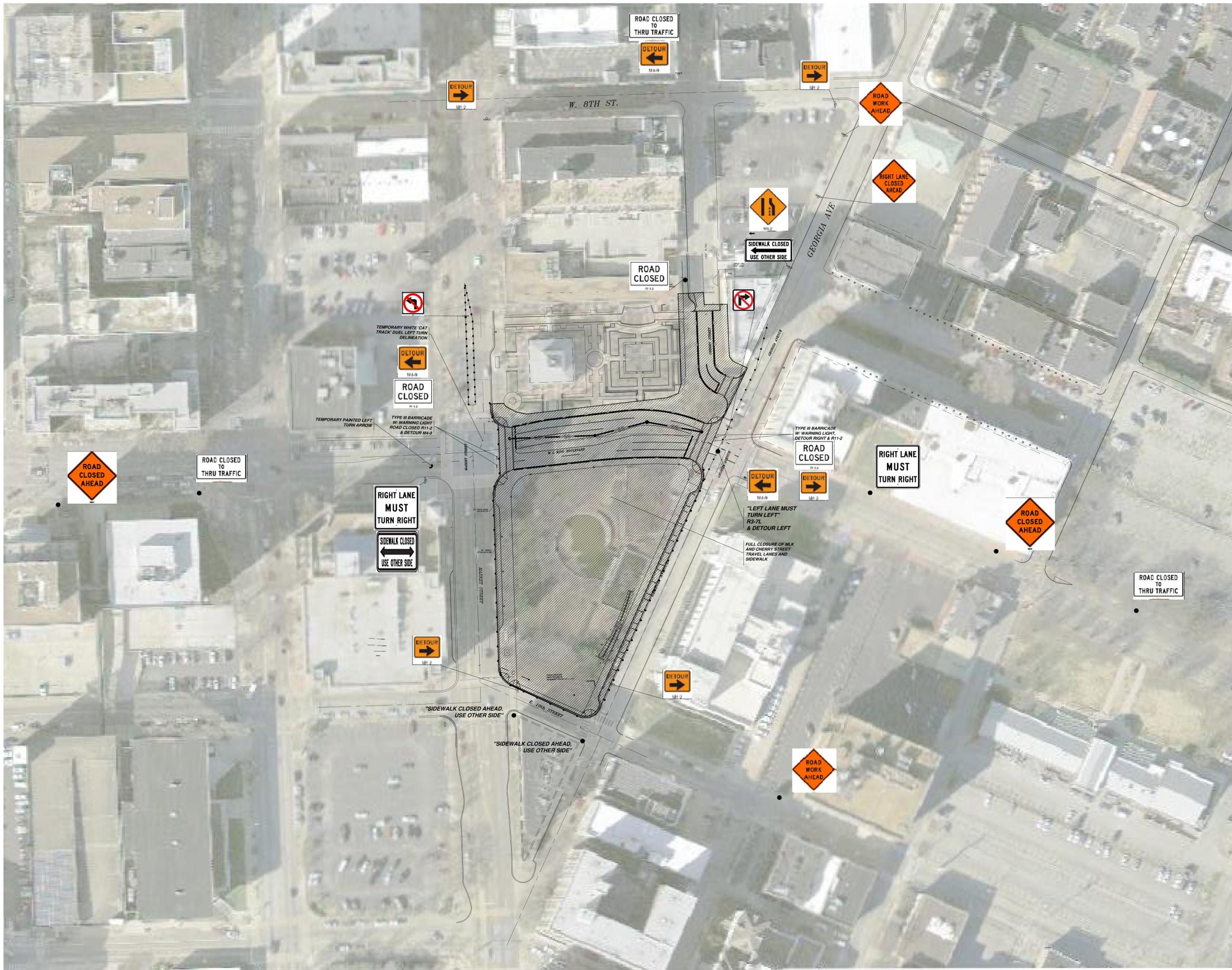
ATM

ADJUST TOP EXISTING=681.58 PROPOSED=681.47

Scale 1" = 20'  
 MAA CIVIL CONTACT: JOSEPH L. PARKS, PE  
 DIRECT LINE: 423-664-1482

**March Adams & Associates**  
 310 Dadds Ave.  
 P.O. Box 3689  
 Chattanooga, Tennessee 37404  
 PH: (423)698-6675  
 Consulting Engineers MAA #: 19370





NOTES: 1. CONTRACTOR SHALL PROVIDE APPROPRIATE VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL THROUGH ALL PHASES OF CONSTRUCTION. CONSULT ENGINEER FOR PHASES OF CONSTRUCTION NOT SHOWN  
 2. CONTRACTOR TO CONTACT RICK DAVIS TO COORDINATE ROAD AND LANE CLOSURES PRIOR TO ANY WORK DONE IN THE ROW 423.643.5952.

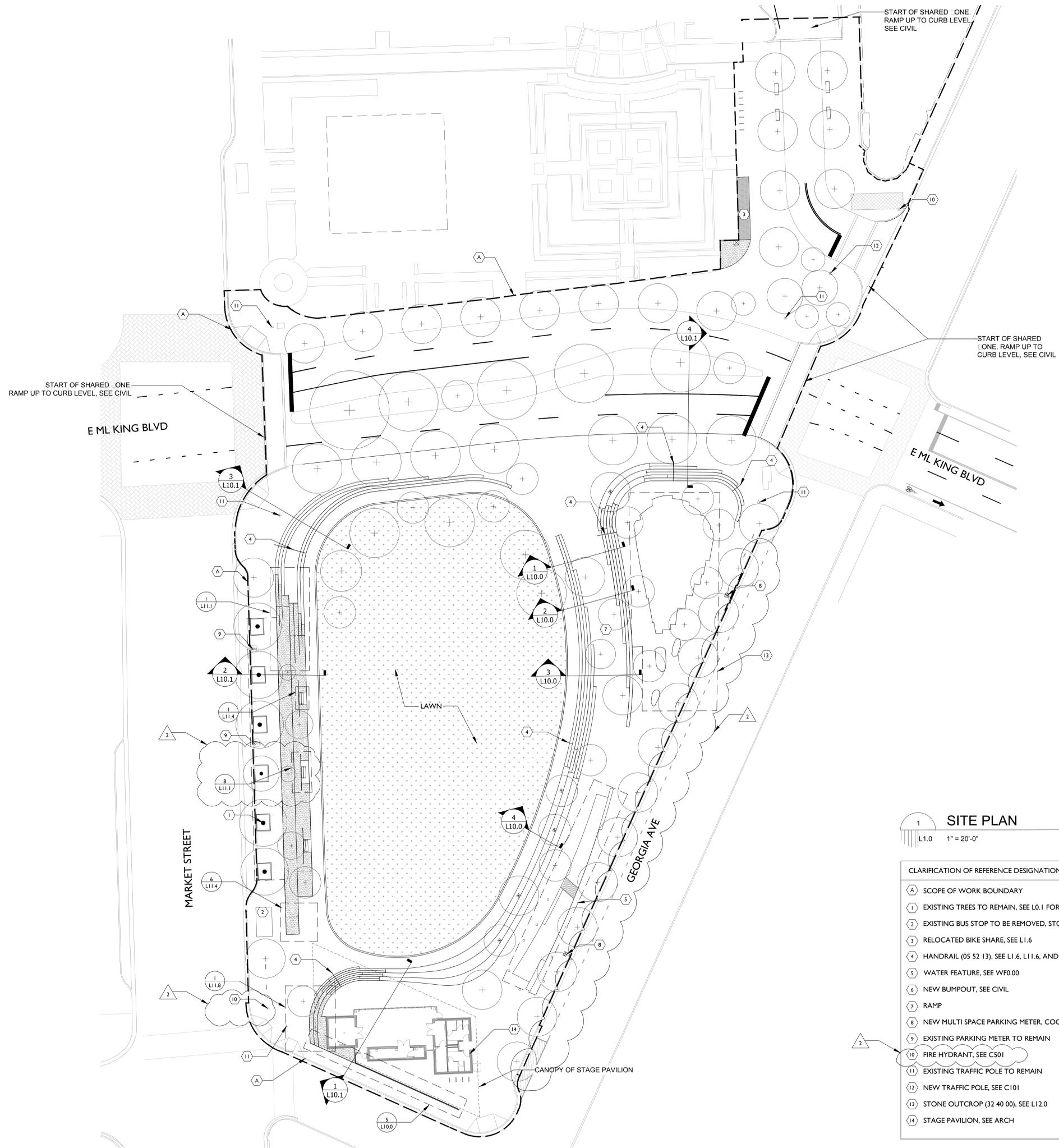
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 A Professional Corporation  
 Date: 12 DEC 2016

REVISIONS	
0	01-18-17 ADDENDUM 2



100% CONSTRUCTION DOCUMENTS  
 EDR No: 15003  
 Drawn By: JP  
 Drawing Title: TRAFFIC CONTROL PLAN ALTERNATIVE #1





START OF SHARED ONE. RAMP UP TO CURB LEVEL. SEE CIVIL

START OF SHARED ONE. RAMP UP TO CURB LEVEL. SEE CIVIL

START OF SHARED ONE. RAMP UP TO CURB LEVEL. SEE CIVIL

E ML KING BLVD

E ML KING BLVD

MARKET STREET

GEORGIA AVE

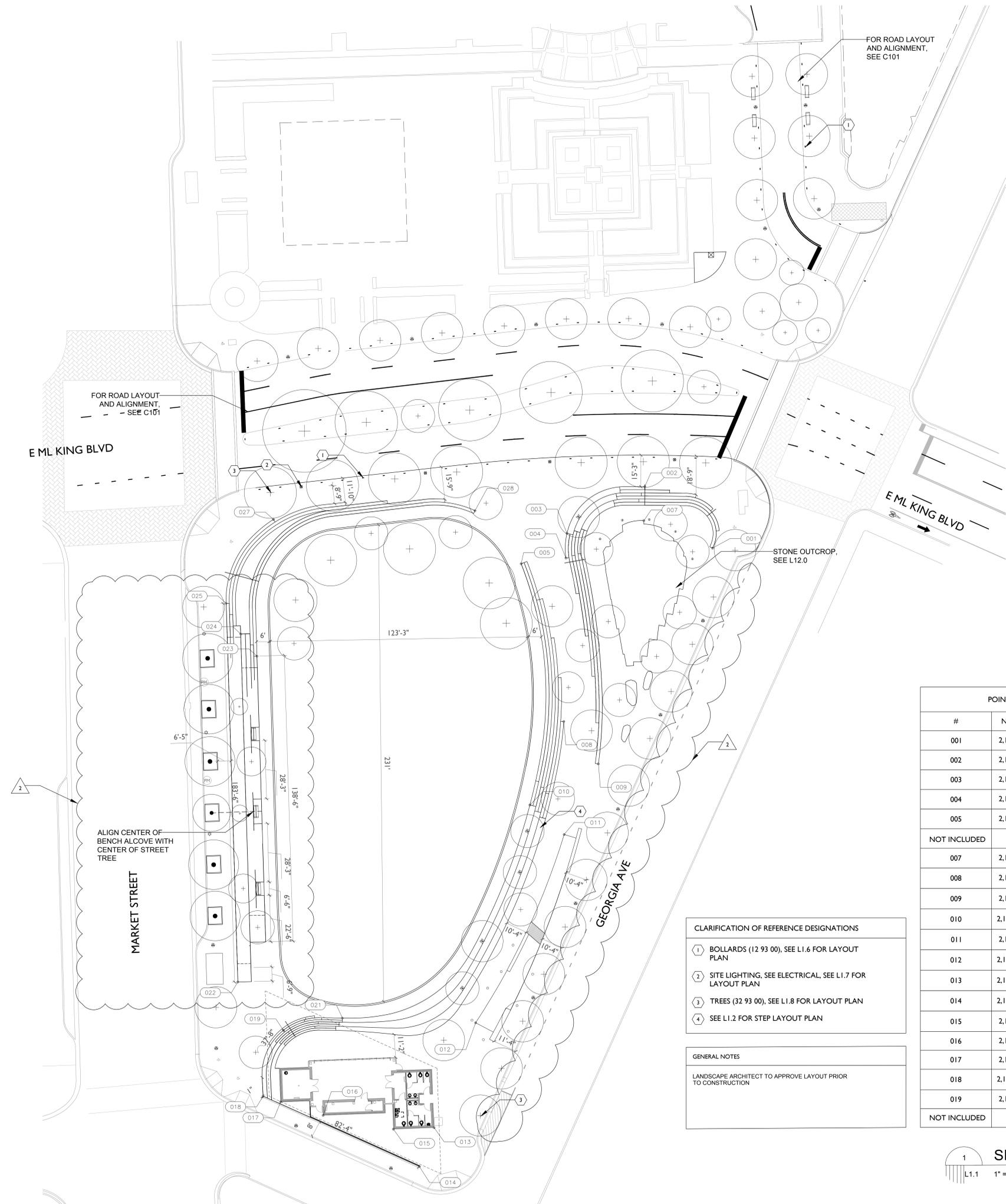
LAWN

CANOPY OF STAGE PAVILION

1 SITE PLAN  
L1.0 1" = 20'-0"

CLARIFICATION OF REFERENCE DESIGNATIONS	
(A)	SCOPE OF WORK BOUNDARY
(1)	EXISTING TREES TO REMAIN, SEE L0.1 FOR TREE PROTECTION PLAN
(2)	EXISTING BUS STOP TO BE REMOVED, STORED, AND RELOCATED TO THIS SPOT, SEE C201
(3)	RELOCATED BIKE SHARE, SEE L1.6
(4)	HANDRAIL (05 S2 13), SEE L1.6, L11.6, AND L11.7
(5)	WATER FEATURE, SEE WF0.00
(6)	NEW BUMPOUT, SEE CIVIL
(7)	RAMP
(8)	NEW MULTI SPACE PARKING METER, COORDINATE WITH CARTA
(9)	EXISTING PARKING METER TO REMAIN
(10)	FIRE HYDRANT, SEE C501
(11)	EXISTING TRAFFIC POLE TO REMAIN
(12)	NEW TRAFFIC POLE, SEE C101
(13)	STONE OUTCROP (32 40 00), SEE L12.0
(14)	STAGE PAVILION, SEE ARCH





FOR ROAD LAYOUT AND ALIGNMENT, SEE C101

FOR ROAD LAYOUT AND ALIGNMENT, SEE C101

E ML KING BLVD

E ML KING BLVD

STONE OUTCROP, SEE L12.0

ALIGN CENTER OF BENCH ALCOVE WITH CENTER OF STREET TREE

MARKET STREET

GEORGIA AVE

- CLARIFICATION OF REFERENCE DESIGNATIONS**
- 1 BOLLARDS (12 93 00), SEE L1.6 FOR LAYOUT PLAN
  - 2 SITE LIGHTING, SEE ELECTRICAL, SEE L1.7 FOR LAYOUT PLAN
  - 3 TREES (32 93 00), SEE L1.8 FOR LAYOUT PLAN
  - 4 SEE L1.2 FOR STEP LAYOUT PLAN

**GENERAL NOTES**

LANDSCAPE ARCHITECT TO APPROVE LAYOUT PRIOR TO CONSTRUCTION

POINT DEFINITIONS		
#	NORTHING	EASTING
001	2,175,505'-7.2"	260,017'-6.6"
002	2,175,473'-0.4"	260,047'-4.1"
003	2,175,435'-8.7"	260,024'-8.5"
004	2,175,435'-2.4"	260,012'-8.9"
005	2,175,413'-8.5"	260,009'-11.8"
NOT INCLUDED		
007	2,175,472'-7.0"	260,030'-9.8"
008	2,175,434'-2.2"	259,933'-6.4"
009	2,175,450'-9.3"	259,912'-11.5"
010	2,175,417'-11.0"	259,898'-0.9"
011	2,175,434'-4.2"	259,878'-9.4"
012	2,175,391'-10.3"	259,787'-6.6"
013	2,175,371'-11.0"	259,736'-8.4"
014	2,175,364'-10.0"	259,717'-11.3"
015	2,175,352'-4.6"	259,735'-11.7"
016	2,175,318'-8.1"	259,742'-8.0"
017	2,175,298'-3.3"	259,749'-2.3"
018	2,175,289'-10.2"	259,751'-11.7"
019	2,175,299'-7.7"	259,783'-10.1"
NOT INCLUDED		

021	2,175,327'-11.4"	259,789'-9.4"
022	2,175,277'-8.7"	259,807'-3.6"
023	2,175,286'-11.1"	259,965'-2.2"
024	2,175,279'-1.6"	259,975'-11.4"
025	2,175,272'-1.7"	259,990'-8.9"
NOT INCLUDED		
027	2,175,294'-10.0"	260,031'-5.1"
028	2,175,391'-6.8"	260,035'-8.2"

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A Professional Corporation  
Date: 12 DEC 2016

REVISIONS  
2 18 JAN 2017



100% CONSTRUCTION DOCUMENTS  
EDR No: 15003  
Drawn By: KB  
Drawing Title:

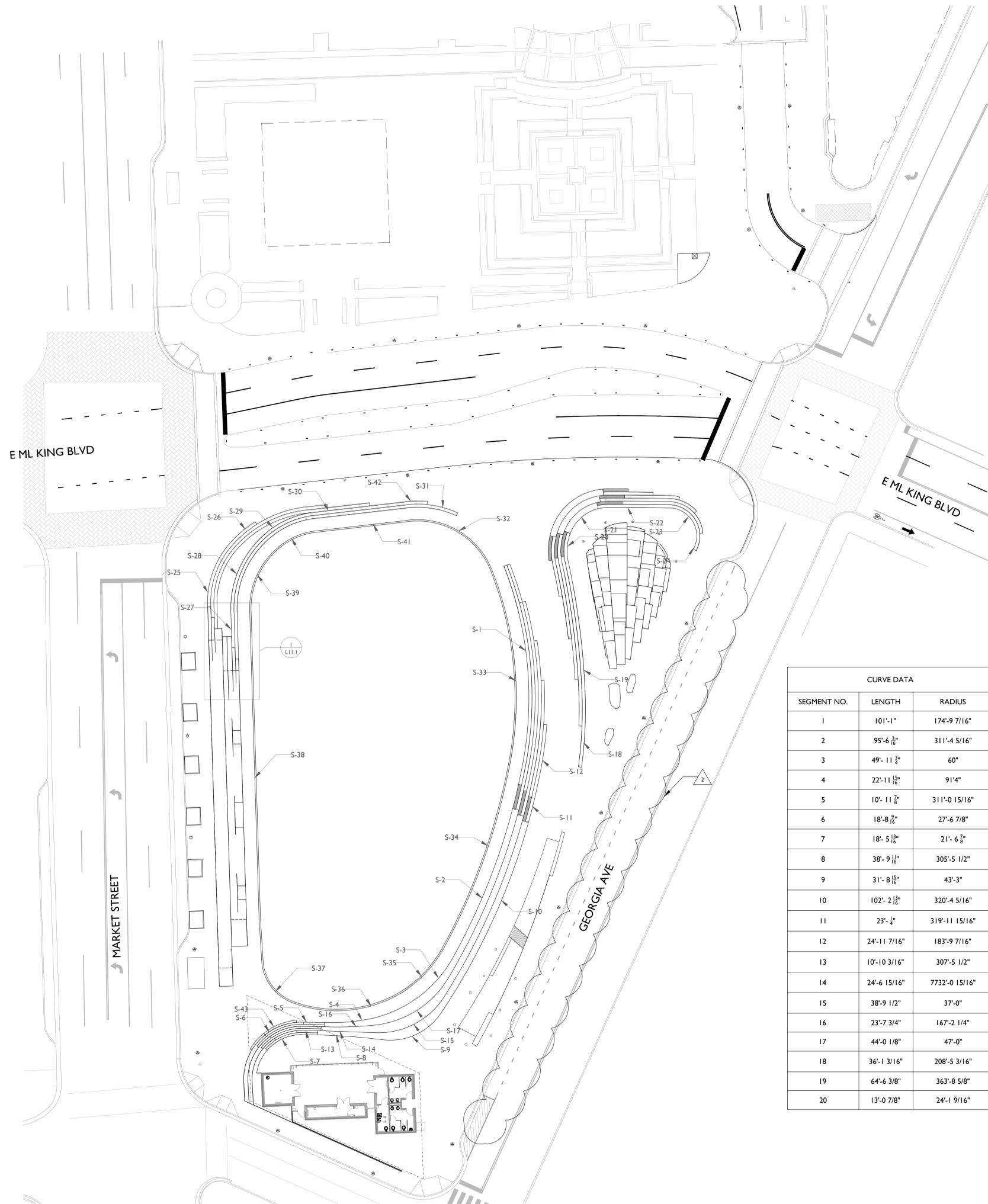
SITE LAYOUT PLAN

Sheet No:

L1.1

1 SITE LAYOUT PLAN  
L1.1 1" = 20'-0"



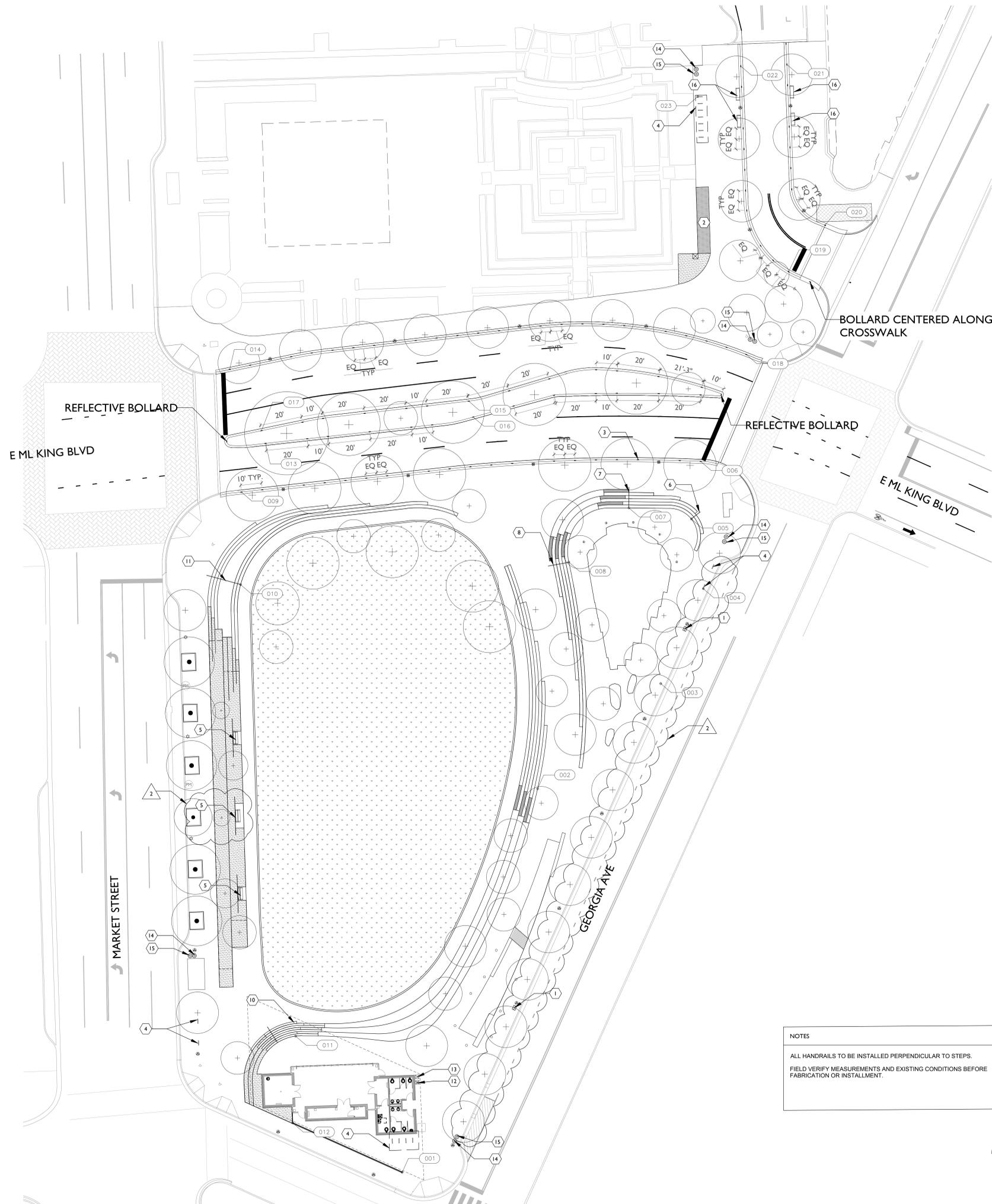


CURVE DATA		
SEGMENT NO.	LENGTH	RADIUS
1	101'-1"	174'-9 7/16"
2	95'-6 3/16"	311'-4 5/16"
3	49'-11 1/4"	60"
4	22'-11 15/16"	91'4"
5	10'-11 7/8"	311'-0 15/16"
6	18'-8 9/16"	27'-6 7/8"
7	18'-5 13/16"	21'-6 7/8"
8	38'-9 1/16"	305'-5 1/2"
9	31'-8 15/16"	43'-3"
10	102'-2 1/2"	320'-4 5/16"
11	23'-1/4"	319'-11 15/16"
12	24'-11 7/16"	183'-9 7/16"
13	10'-10 3/16"	307'-5 1/2"
14	24'-6 15/16"	7732'-0 15/16"
15	38'-9 1/2"	37'-0"
16	23'-7 3/4"	167'-2 1/4"
17	44'-0 1/8"	47'-0"
18	36'-1 3/16"	208'-5 3/16"
19	64'-6 3/8"	363'-8 5/8"
20	13'-0 7/8"	24'-1 9/16"

21	23'-1 15/16"	19'-3 1/16"
22	29'-3 3/16"	STRAIGHT
23	26'-8 7/8"	13'-6"
24	1'-1 7/16"	STRAIGHT
25	37'-6 9/16"	43'-3 1/2"
26	11'-3 5/16"	56'-9 5/16"
27	11'-11 1/8"	STRAIGHT
28	38'-9 3/8"	47'-5 13/16"
29	28'-1 3/16"	43'-1 3/4"
30	45'-2 11/16"	STRAIGHT
31	16'-6 1/8"	45'-8 13/16"
32	50'-11 15/16"	38'-2 13/16"
33	97'-7 3/4"	168'-9 7/16"
34	92'-10 3/8"	304'-8 5/16"
35	25'-6 1/8"	58'-5 3/4"
36	54'-11 3/4"	59'-8 11/16"
37	25'-7 15/16"	23'-0 11/16"
38	169'-10"	STRAIGHT
39	31'-6 1/8"	38'-5 13/16"
40	22'-1 13/16"	34'-1 3/4"
41	45'-1 1/4"	STRAIGHT
42	10'-7 9/16"	47'-2 13/16"
43	27'-0 1/8"	27'-6 7/8"

1 STEP LAYOUT PLAN  
L1.2 1" = 20'-0"





POINT DEFINITIONS		
#	EASTING	NORTHING
001	2,175,364'-11.2"	259,718'-2.0"
002	2,175,429'-6.3"	259,902'-11'-7"
003	2,175,488'-3.3"	259,953'-8.5"
004	2,175,508'-7.4"	259,999'-4.8"
005	2,175,502'-11.3"	260,032'-11.9"
006	2,175,507'-4.3"	260,060'-9.2"
007	2,175,473'-1.3"	260,038'-4.1"
008	2,175,444'-5.2"	260,012'-2.6"
009	2,175,288'-1.9"	260,045'-11.9"
010	2,175,287'-9.2"	260,001'-4.3"
011	2,175,314'-0.3"	259,783'-9.2"
012	2,175,312'-6.9"	259,741'-11.6"
013	2,175,299'-8.2"	260,069'-5.5"
014	2,175,282'-6.8"	260,105'-1.2"
015	2,175,396'-7.7"	260,089'-9.7"
016	2,175,398'-9.4"	260,082'-1.8"
017	2,175,297'-8.8"	260,075'-6.9"
018	2,175,529'-0.9"	260,112'-3.9"
019	2,175,549'-3.8"	260,152'-2.1"
020	2,175,566'-8.6"	260,174'-6.8"
021	2,175,548'-5.8"	260,252'-1.1"
022	2,175,526'-6.0"	260,251'-3.2"
023	2,175,505'-11.5"	260,236'-7.1"

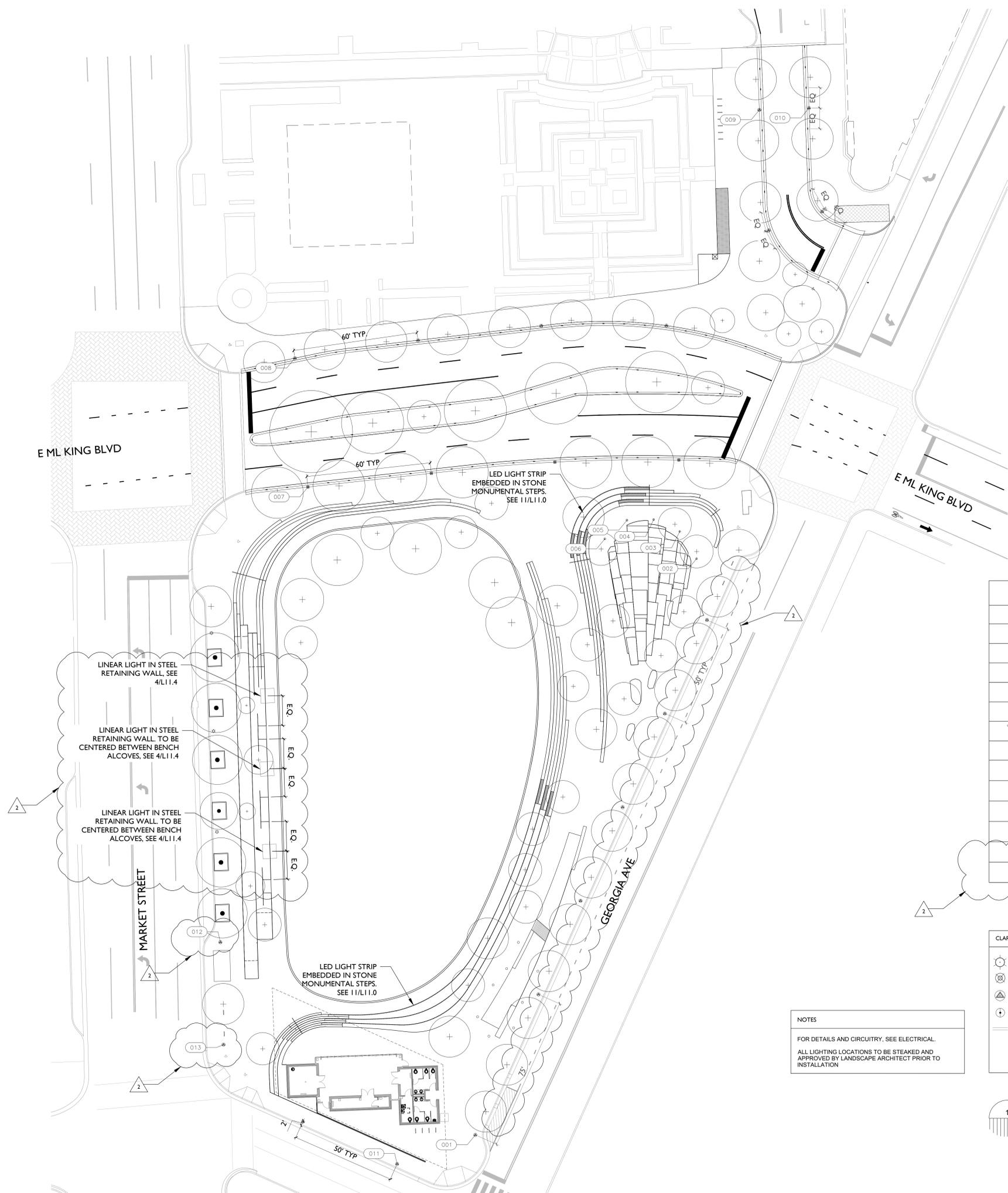
- CLARIFICATION OF REFERENCE DESIGNATIONS
- ① NEW MULTI SPACE PARKING METER, COORDINATE WITH CHATTANOOGA PARKING AUTHORITY
  - ② BIKE SHARE, COORDINATE WITH CHATTANOOGA BICYCLE TRANSIT SYSTEM
  - ③ BOLLARD (12 93 00), SEE 8-9/L1.5
  - ④ BIKE RACK, SEE 1-4/ L1.5 (05 52 13)
  - ⑤ PARC VUE BENCH, BACKED ARMS (PURCHASED BY CITY, INSTALLED BY CONTRACTOR)
  - ⑥ HANDRAIL A (05 52 13), SEE 7/L1.6
  - ⑦ HANDRAIL B (05 52 13), SEE 8/L1.6
  - ⑧ HANDRAIL C (05 52 13), SEE 8/L1.6
  - ⑨ NOT IN SET
  - ⑩ HANDRAIL E (05 52 13), SEE 2/L1.7
  - ⑪ HANDRAIL F (05 52 13), SEE 3/L1.7
  - ⑫ BOTTLE FILLER, INSTALL PER MANUFACTURER SPECIFICATIONS (12 93 00)
  - ⑬ WATER FOUNTAIN WITH ADA/ PET FOUNTAIN, INSTALL PER MANUFACTURER SPECIFICATIONS (12 93 00)
  - ⑭ CHASE PARK LITTER RECEPTACLE (PURCHASED BY CITY, INSTALLED BY CONTRACTOR)
  - ⑮ CHASE PARK RECYCLING RECEPTACLE (PURCHASED BY CITY, INSTALLED BY CONTRACTOR)
  - ⑯ PARC VUE BENCH, BACKLESS (PURCHASED BY CITY, INSTALLED BY CONTRACTOR)
- SYMBOL INDICATES BOLLARD DIRECTION

NOTES

ALL HANDRAILS TO BE INSTALLED PERPENDICULAR TO STEPS.  
FIELD VERIFY MEASUREMENTS AND EXISTING CONDITIONS BEFORE FABRICATION OR INSTALLMENT.

1 SITE FURNISHINGS PLAN  
L1.6 1" = 20'-0"





POINT DEFINITIONS

#	EASTING	NORTHING
001	2,175,389'-0.4"	259,731'-2.0"
002	2,175,495'-10.9"	260,012'-3.6"
003	2,175,487'-9.3"	260,025'-6.8"
004	2,175,475'-2.4"	260,031'-4.5"
005	2,175,462'-3.6"	260,031'-0.7"
006	2,175,451'-7.0"	260,021'-11.5"
007	2,175,308'-1.6"	260,047'-3.2"
008	2,175,301'-9.9"	260,110'-1.8"
009	2,175,526'-3.0"	260,231'-2.9"
010	2,175,550'-2.8"	260,232'-1.7"
011	2,175,351'-2.6"	259,717'-0"
012	2,175,265'-10.1"	259,825'-2.3"
013	2,175,267'-4.4"	259,775'-2.7"

- CLARIFICATION OF REFERENCE DESIGNATIONS
- EXISTING LIGHTS TO REMAIN
  - EXISTING LIGHTS TO BE RELOCATED
  - NEW CITY STANDARD LIGHTS
  - IN-GROUND LIGHTING
  - LED LIGHT STRIP, SEE 11/L11.0

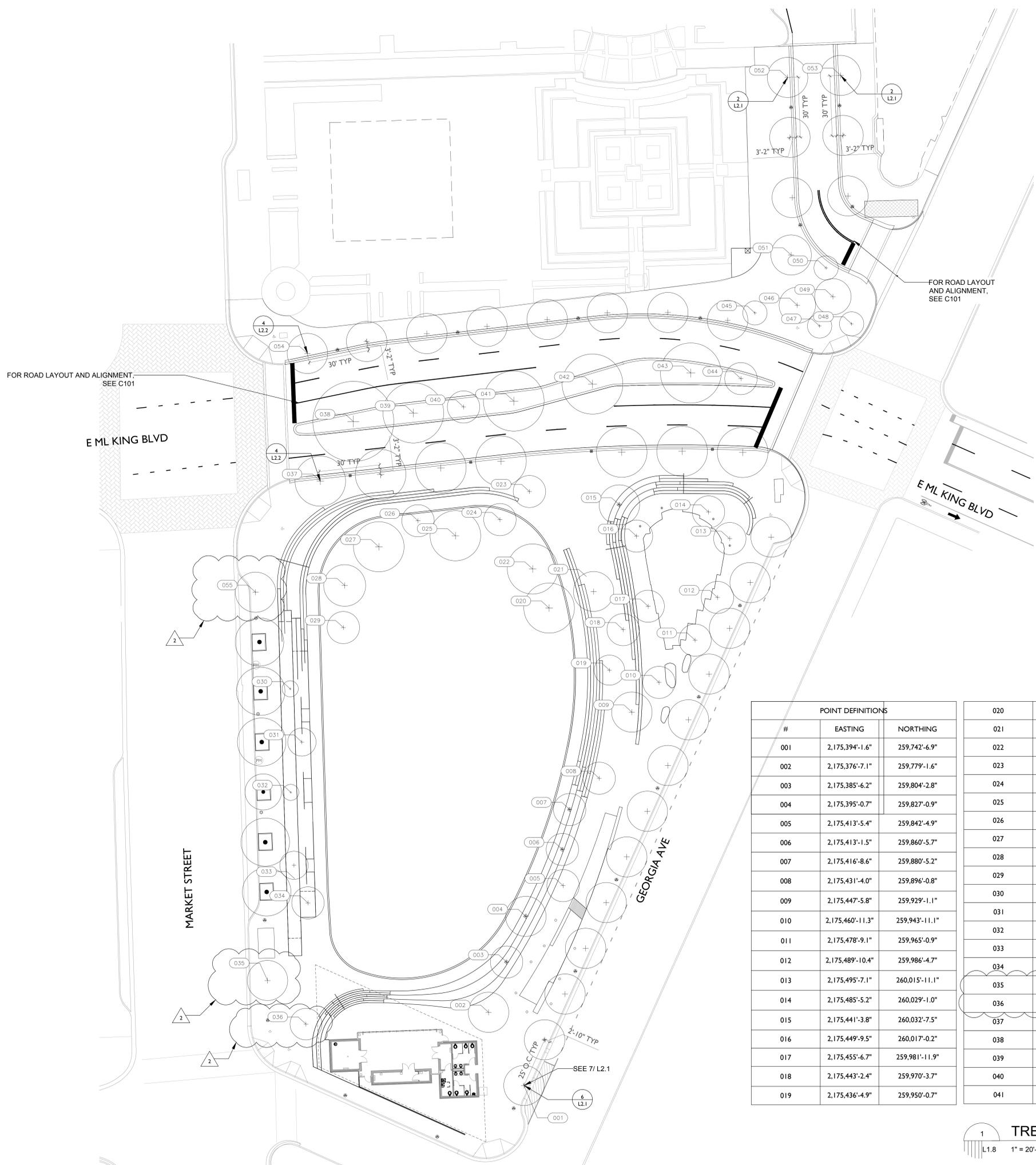
NOTES

FOR DETAILS AND CIRCUITRY, SEE ELECTRICAL.

ALL LIGHTING LOCATIONS TO BE STEAKED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

1 SITE LIGHTING LAYOUT PLAN  
L1.7 1" = 20'-0"



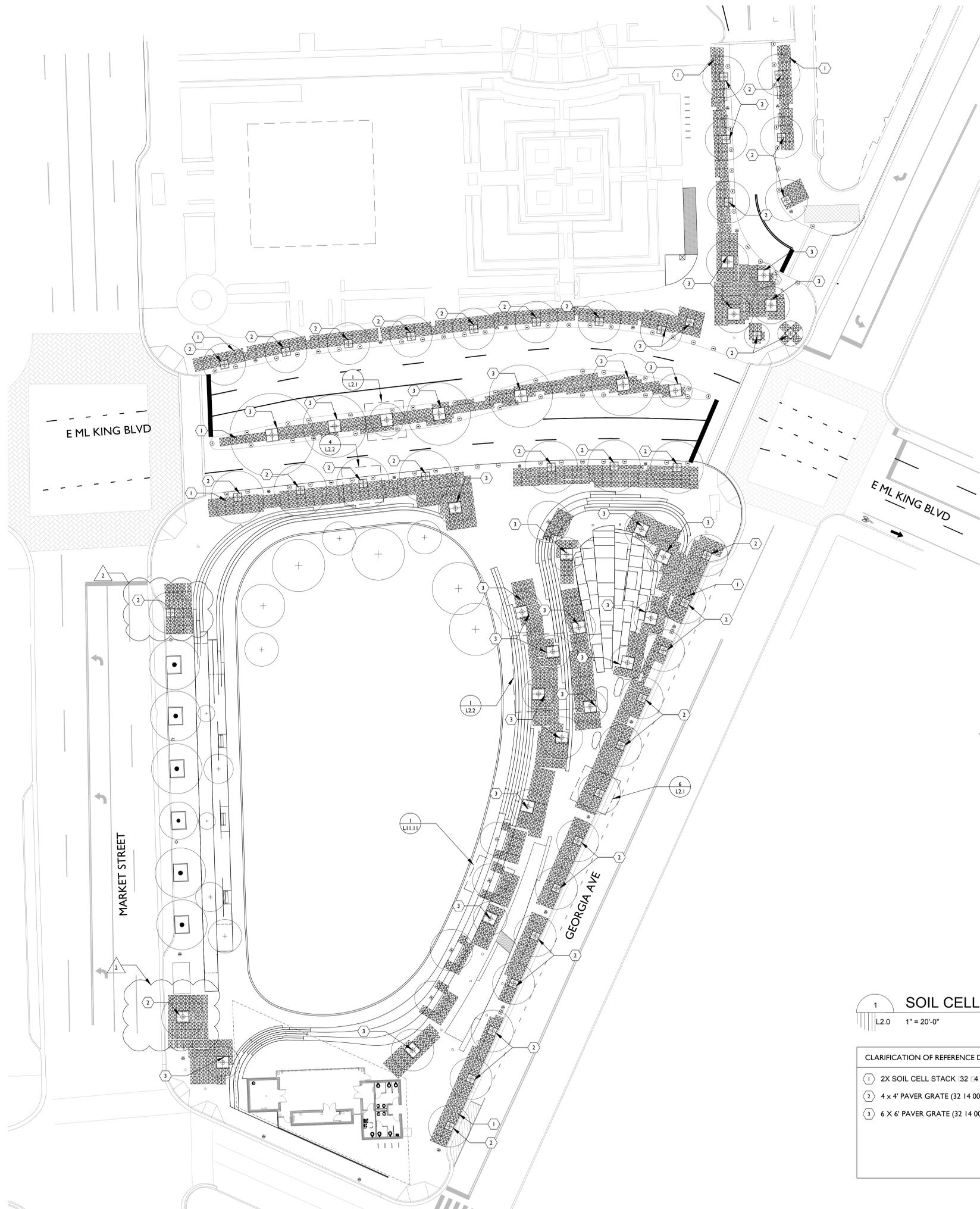


**NOTES**  
 STEAK ALL TREES PRIOR TO INSTALLATION. LANDSCAPE TO APPROVE ALL TREE LOCATIONS. SEE L4.0 FOR TREE SPECIES INFORMATION.

POINT DEFINITIONS								
#	EASTING	NORTHING						
001	2,175,394'-1.6"	259,742'-6.9"	020	2,175,406'-6.8"	259,981'-0.9"	042	2,175,428'-0.3"	260,093'-0.0"
002	2,175,376'-7.1"	259,779'-1.6"	021	2,175,425'-0.1"	259,996'-10.0"	043	2,175,476'-7.9"	260,098'-5.8"
003	2,175,385'-6.2"	259,804'-2.8"	022	2,175,398'-4.7"	260,000'-7.4"	044	2,175,501'-5.4"	260,095'-8.3"
004	2,175,395'-0.7"	259,827'-0.9"	023	2,175,396'-10.0"	260,039'-3.6"	045	2,175,540'-4.9"	260,128'-5.8"
005	2,175,413'-5.4"	259,842'-4.9"	024	2,175,382'-2.6"	260,025'-3.1"	046	2,175,529'-4.4"	260,132'-4.4"
006	2,175,413'-1.5"	259,860'-5.7"	025	2,175,360'-2.2"	260,017'-2.5"	047	2,175,540'-4.7"	260,121'-11.7"
007	2,175,416'-8.6"	259,880'-5.2"	026	2,175,341'-8.4"	260,024'-8.3"	048	2,175,556'-2.8"	260,123'-0.7"
008	2,175,431'-4.0"	259,896'-0.8"	027	2,175,322'-3.6"	260,011'-8.4"	049	2,175,546'-11.3"	260,136'-7.7"
009	2,175,447'-5.8"	259,929'-1.1"	028	2,175,305'-5.0"	259,992'-4.6"	050	2,175,543'-7.2"	260,151'-0.0"
010	2,175,460'-11.3"	259,943'-11.1"	029	2,175,278'-9.1"	259,972'-4.2"	051	2,175,526'-3.4"	260,157'-5.5"
011	2,175,478'-9.1"	259,965'-0.9"	030	2,175,284'-3.2"	259,914'-1.7"	052	2,175,524'-6.3"	260'-246'-2.1"
012	2,175,489'-10.4"	259,986'-4.7"	031	2,175,284'-3.2"	259,914'-1.7"	053	2,175,550'-9.7"	260'-247'-2.1"
013	2,175,495'-7.1"	260,015'-11.1"	032	2,175,278'-9.0"	259,889'-0.2"	054	2,175,286'-11.9"	260,108'-3.1"
014	2,175,485'-5.2"	260,029'-1.0"	033	2,175,280'-8.7"	259,845'-10.1"	055	2,175,261'-4"	259,988'-11.9"
015	2,175,441'-3.8"	260,032'-7.5"	034	2,175,287'-3.1"	259,833'-9.6"			
016	2,175,449'-9.5"	260,017'-0.2"	035	2,175,267'-2.8"	259,795'-0.9"			
017	2,175,455'-6.7"	259,981'-11.9"	036	2,175,286'-3.1"	259,773'-2.9"			
018	2,175,443'-2.4"	259,970'-3.7"	037	2,175,293'-4.3"	260,044'-5.6"			
019	2,175,436'-4.9"	259,950'-0.7"	038	2,175,309'-8.2"	260,074'-3.7"			
			039	2,175,339'-4.9"	260,078'-6.9"			
			040	2,175,364'-2.8"	260,081'-6.6"			
			041	2,175,389'-0.8"	260,084'-5.8"			

**TREE LAYOUT PLAN**  
 1 L1.8 1" = 20'-0"

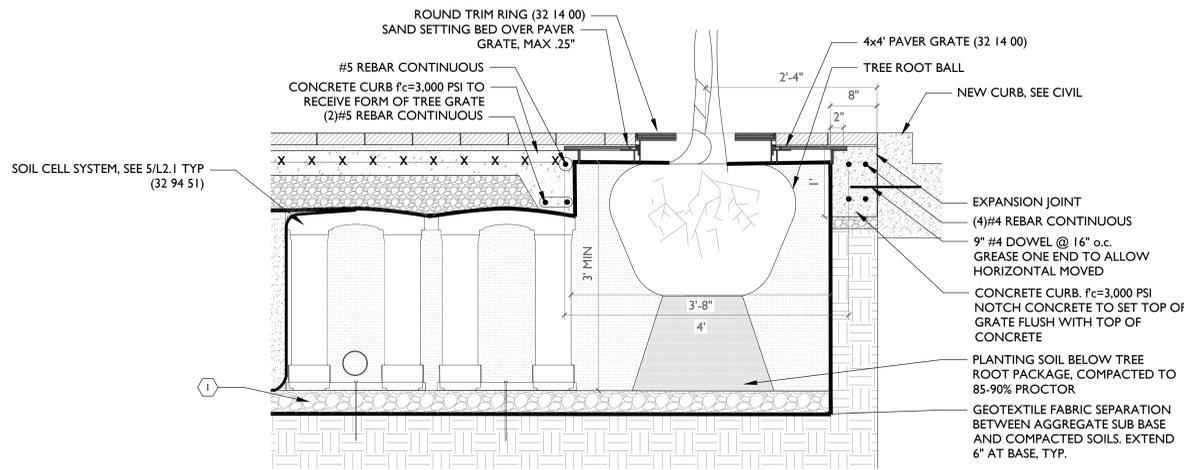




1 SOIL CELL PLAN  
L2.0 1" = 20'-0"

CLARIFICATION OF REFERENCE DESIGNATIONS	
1	2X SOIL CELL STACK (32' x 4' 5 1/2")
2	4 x 4' PAVER GRATE (32' x 14' 00")
3	6 X 6' PAVER GRATE (32' x 14' 00")

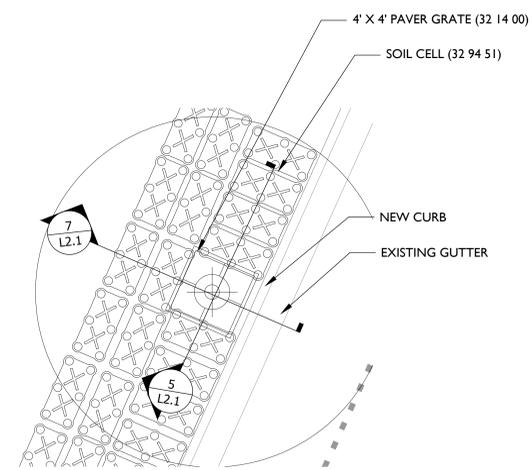




**DETAIL OF TREE PLANTING IN SOIL CELLS NEXT TO NEW CURB**

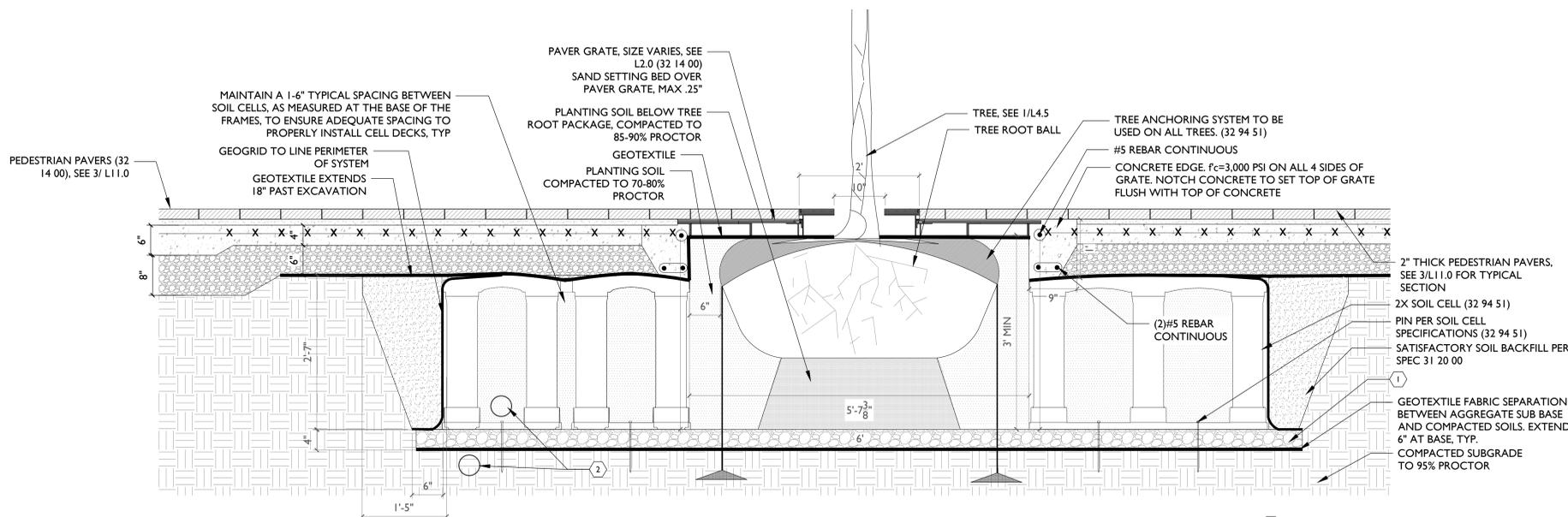
7  
L1.8/L2.1 1" = 1'

1 MINERAL AGGREGATE BASE TYPE "A" GRADING "D" COMPACT TO 100% MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99, METHOD A AND TDOT STD. SPEC. SEC. 303



**DETAIL PLAN OF SOIL CELL LAYOUT ALONG NEW CURB, TYP**

6  
L2.0/L2.1 1/4" = 1'

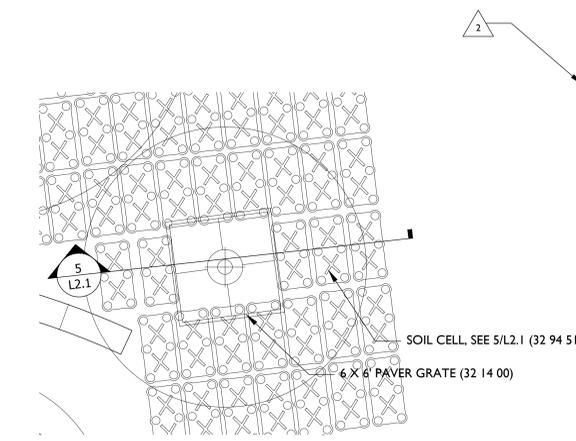


**SOIL CELL DETAIL WITH PEDESTRIAN PAVERS, TYP**

5  
L2.1 1" = 1'

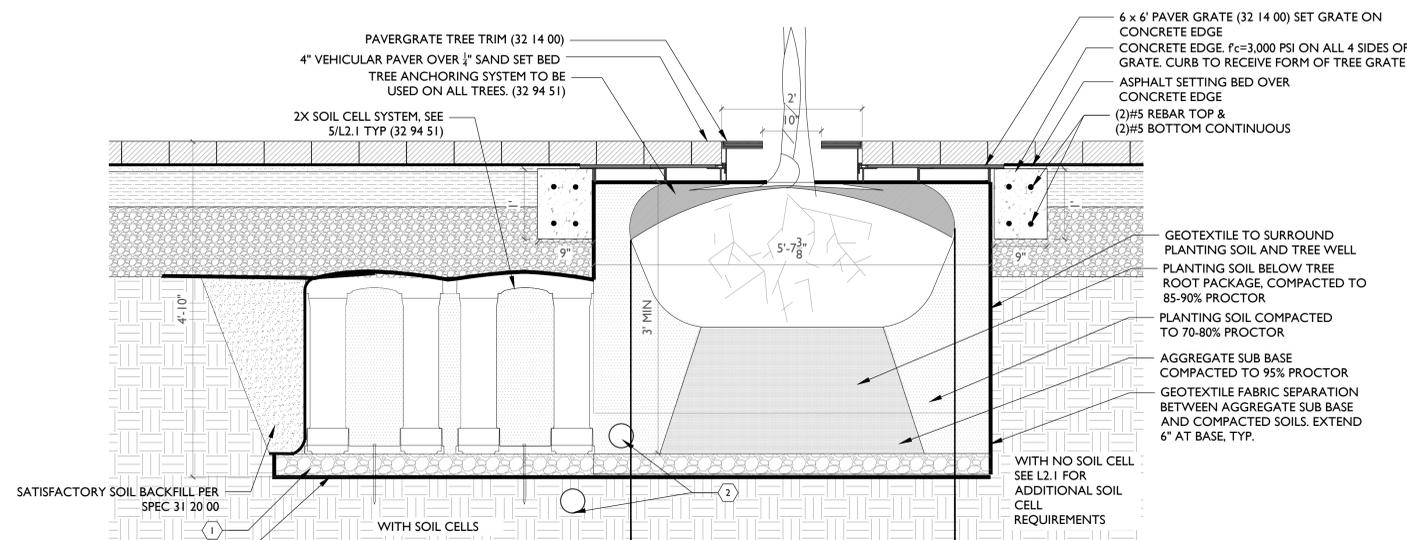
1 MINERAL AGGREGATE BASE TYPE "A" GRADING "D" COMPACT TO 100% MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99, METHOD A AND TDOT STD. SPEC. SEC. 303

2 4"Ø PERFORATED PVC. SEE C402 DRAINAGE PLAN (UNDERDRAIN MAY BE UNDER BASE STONE PER DETAIL 12/C002 AT CONTRACTOR'S OPTION)



**DETAIL PLAN OF SOIL CELL LAYOUT, TYP**

4  
L2.0/L2.1 1/4" = 1'

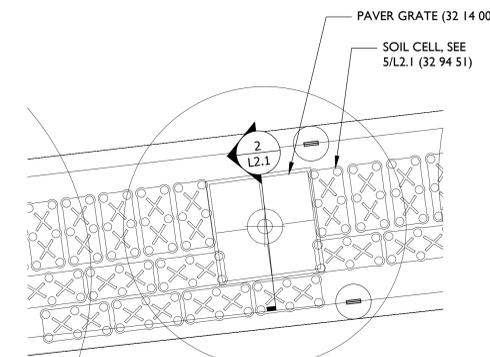


**SOIL CELL DETAIL WITH VEHICULAR PAVERS, TYP**

2  
L2.1 1" = 1'

1 4" MINERAL AGGREGATE BASE TYPE "A" GRADING "D" COMPACT TO 100% MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T99, METHOD A AND TDOT STD. SPEC. SEC. 303

2 4"Ø PERFORATED PVC. SEE C402 DRAINAGE PLAN (UNDERDRAIN MAY BE UNDER BASE STONE PER DETAIL 12/C002 AT CONTRACTOR'S OPTION)



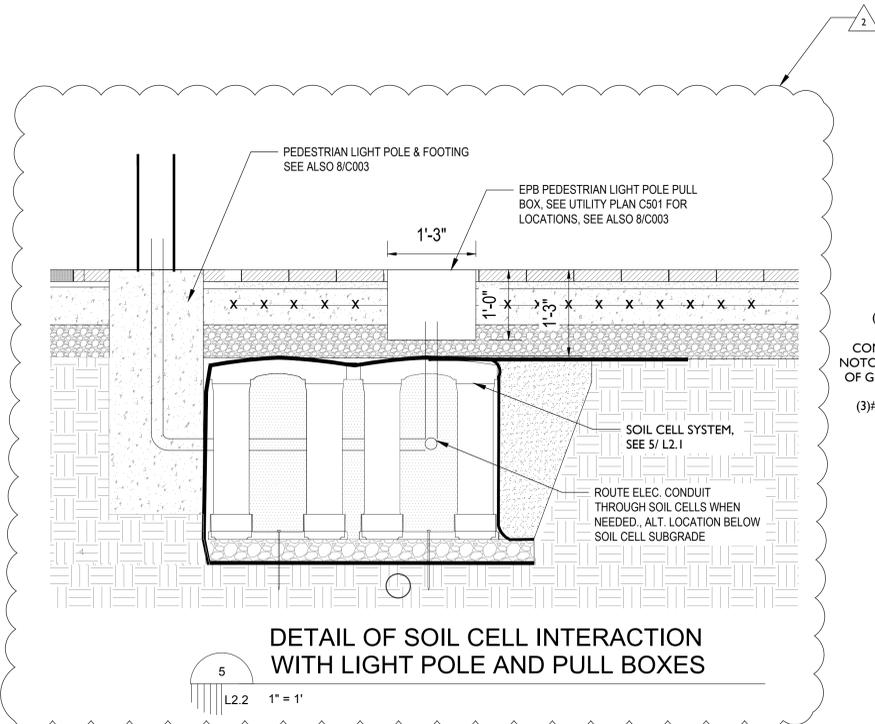
**DETAIL PLAN OF SOIL CELL LAYOUT IN MLK PLAZA, TYP**

1  
L2.0/L2.1 1/4" = 1'

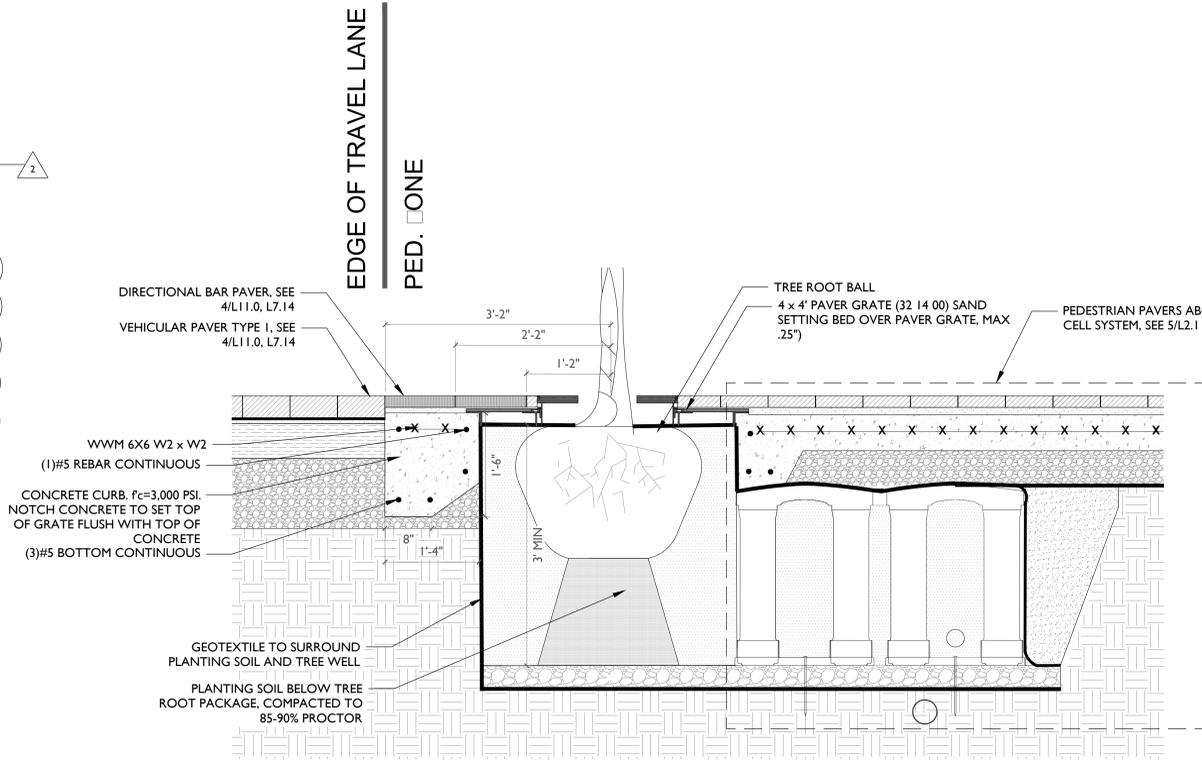
**DETAIL 3/ L2.1 NOT IN SET**

3  
L2.0/L2.1 1/2" = 1'

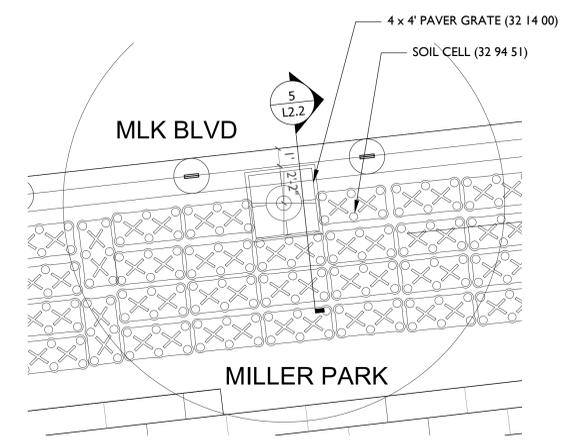




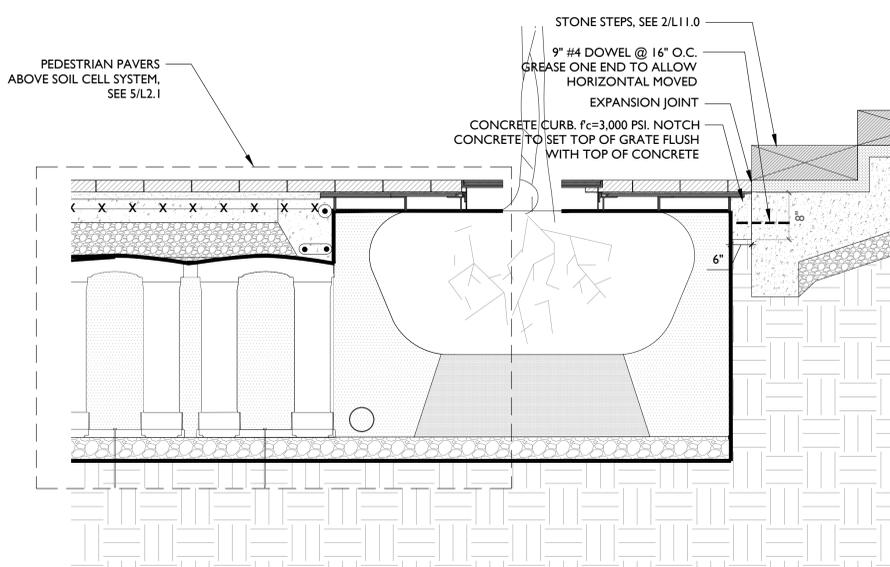
DETAIL OF SOIL CELL INTERACTION WITH LIGHT POLE AND PULL BOXES



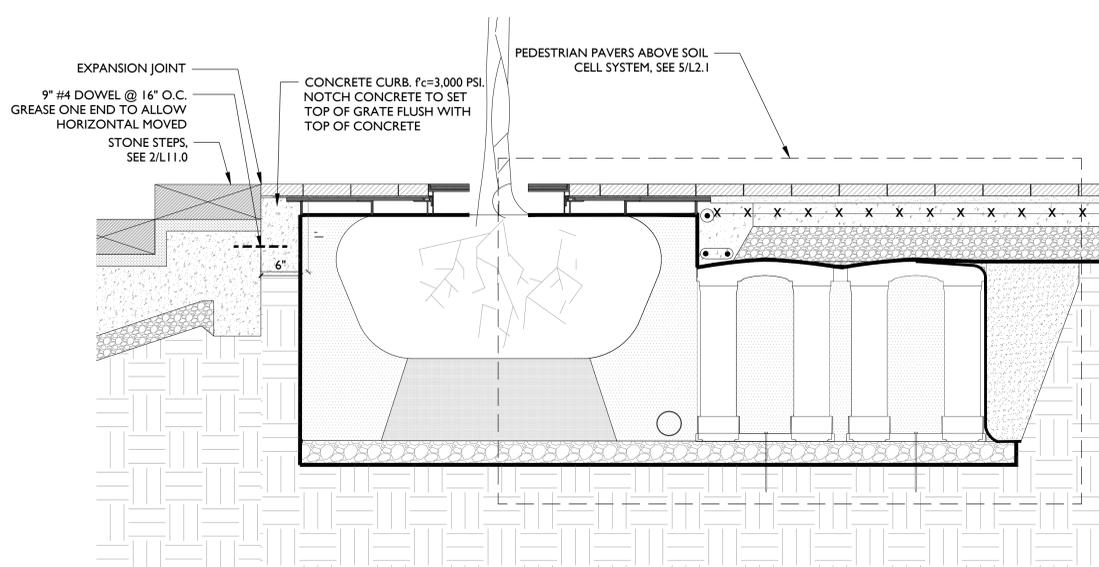
SOIL CELL DETAIL WITH VEHICULAR AND PEDESTRIAN PAVERS, TYP



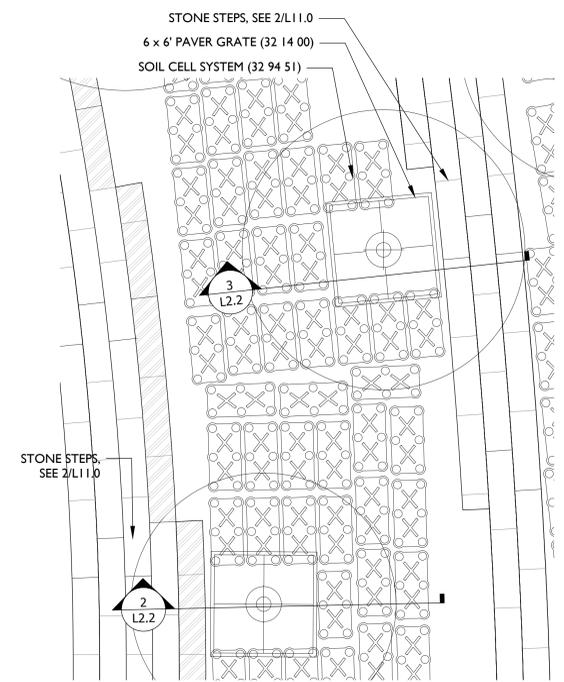
DETAIL PLAN OF TREES ALONG MLK BLVD



SOIL CELL DETAIL WITH PEDESTRIAN PAVERS ALONG BASE OF STONE STEPS, TYP

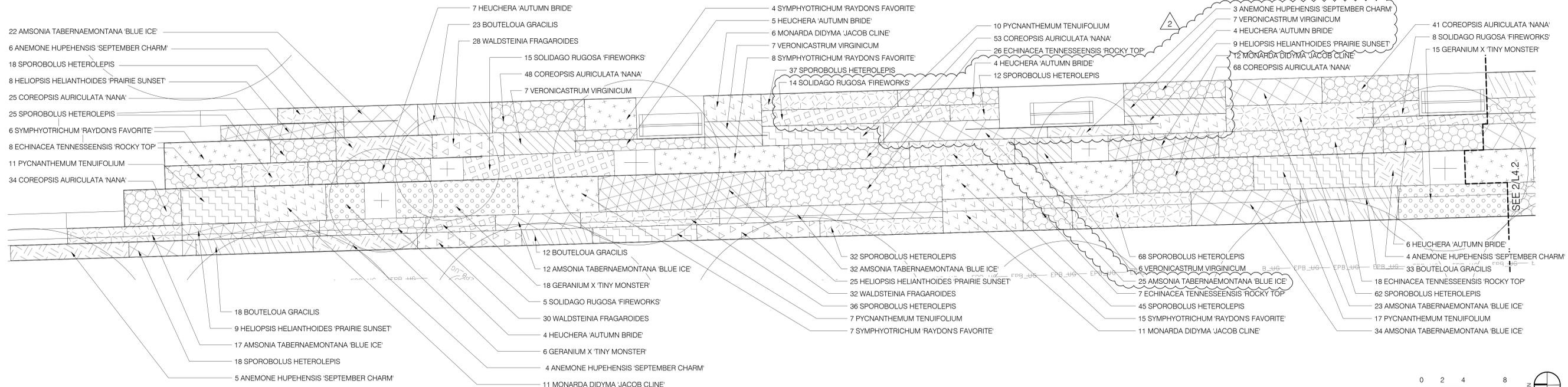


SOIL CELL DETAIL WITH PEDESTRIAN PAVERS ALONG TOP OF STEPS, TYP

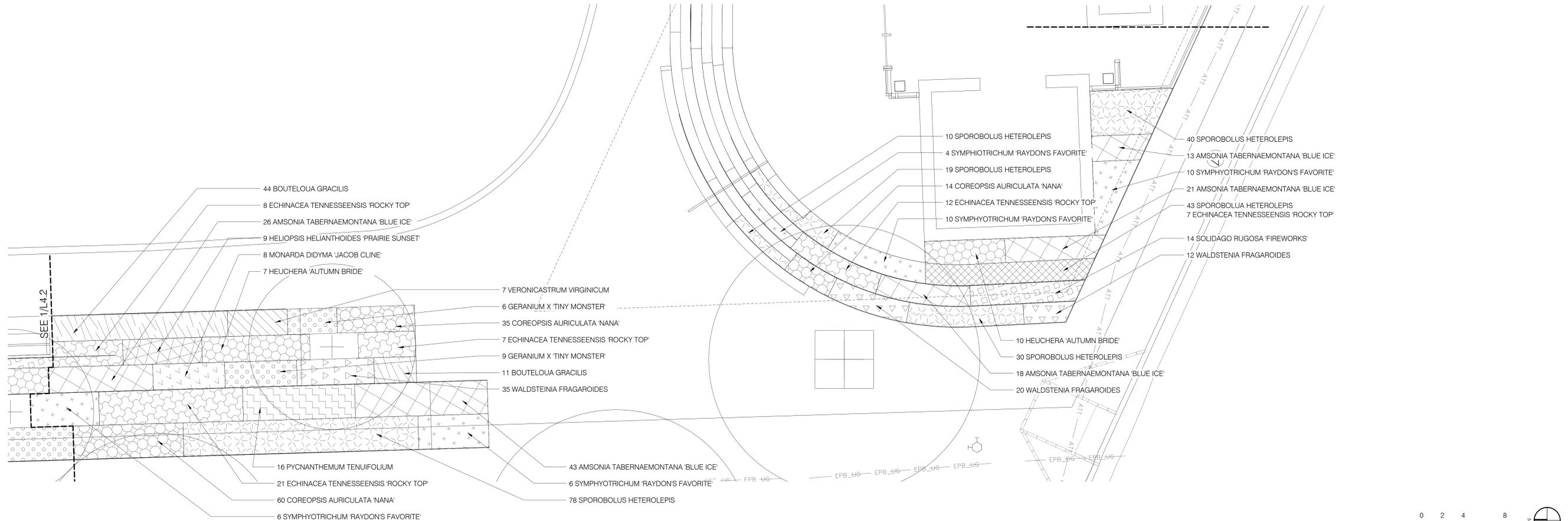


DETAIL PLAN OF SOIL CELL LAYOUT ALONG STONE STEPS, TYP



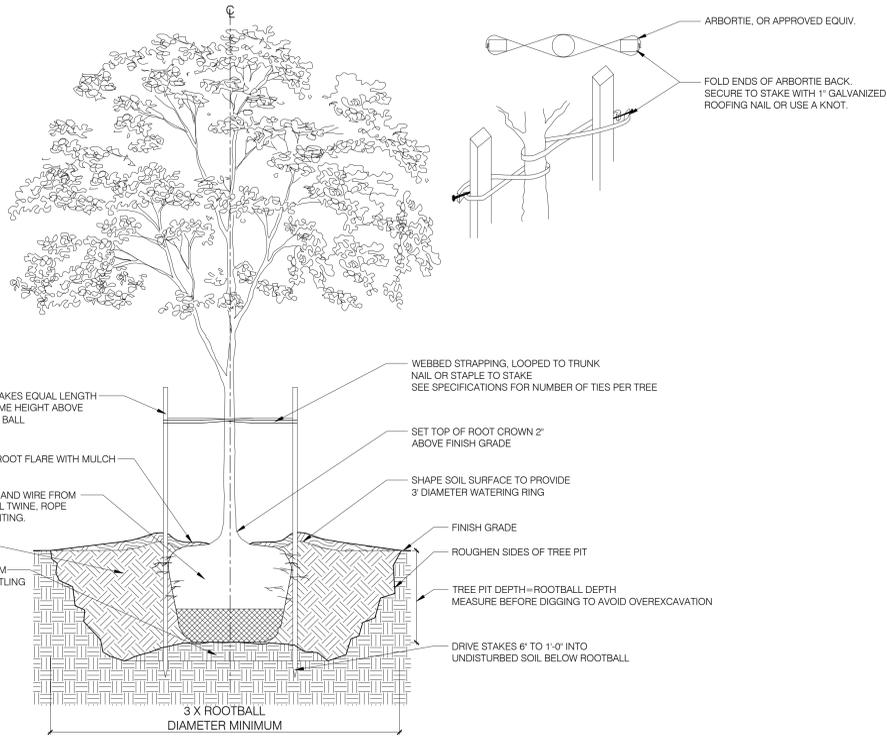


**1** NORTHWEST PERENNIAL PLANTING - PLAN  
 L4.2 SCALE: 1/4" = 1'-0"



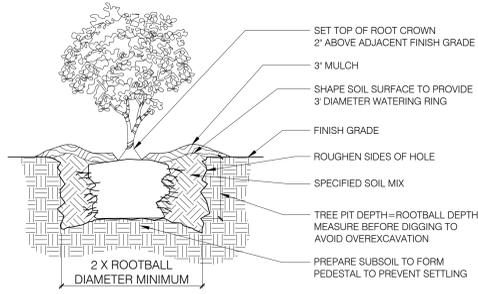
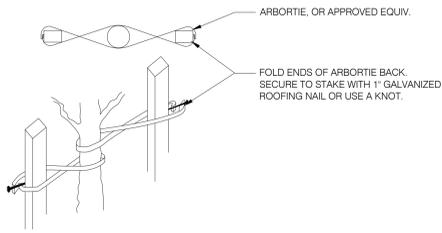
**2** SOUTHWEST PERENNIAL PLANTING - PLAN  
 L4.2 SCALE: 1/4" = 1'-0"





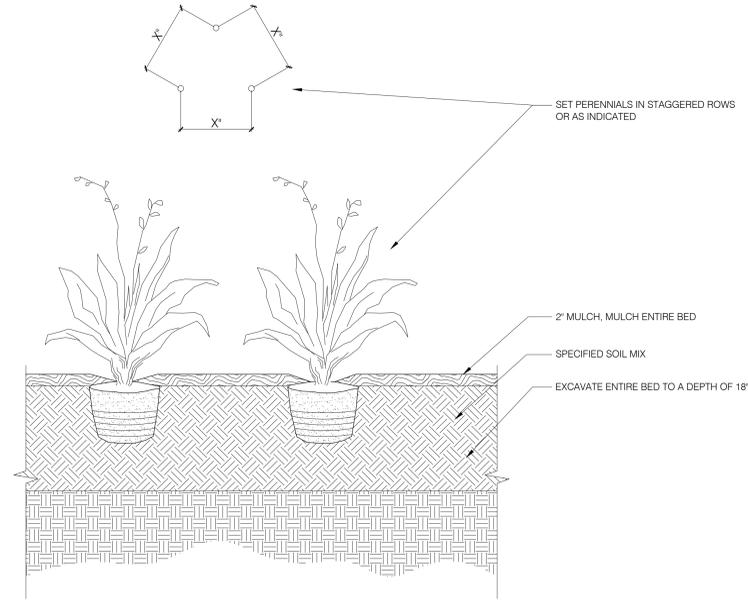
NOTE:  
1. THIS DETAIL APPLIES ONLY TO TREES PLANTED IN LAWN AND GARDEN AREAS. SEE SILVA CELL DETAILS FOR PLANTING AND ANCHORING SYSTEMS WHERE APPLICABLE.

**1**  
L4.5  
**TREE PLANTING**  
SCALE: 1/2" = 1'-0"



NOTES:  
1. FOR CONTAINER SHRUBS PULL OR WASH POTTING MIX AND ROOT MAT APART TO DIRECT THE OUTER ROOTS INTO THE ADJACENT SOIL. DO NOT LEAVE CIRCLING ROOTS AGAINST THE ROOT BALL.  
2. FOR BALL AND BURLAP SHRUBS REMOVE TOP 1/3 OR ENTIRE BURLAP FROM ROOTBALL AND REMOVE ALL TWINE, ROPE AND CORDS PRIOR TO PLANTING.

**2**  
L4.5  
**SHRUB PLANTING**  
SCALE: 1/2" = 1'-0"



**3**  
L4.5  
**PERENNIAL PLANTING**  
SCALE: 1" = 1'-0"

**PLANT SCHEDULE**

Quantity	Scientific Name	Common Name	Spacing	Size	Condition
<b>TREES</b>					
7	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	As Shown	3' Cal.	B&B
2	<i>Carpinus caroliniana</i>	American Hornbeam	As Shown	3' Cal.	B&B
13	<i>Cladrasis kentuckea</i>	Yellowwood	As Shown	4' Cal.	B&B
3	<i>Hamamelis virginiana</i>	Witch-hazel	As Shown	8-10' HT.	B&B
13	<i>Liriodendron tulipifera</i>	Tulip Poplar	As Shown	4' Cal.	B&B
7	<i>Liriodendron tulipifera</i> 'Arnold'	Arnold Tulip Poplar	As Shown	4' Cal.	B&B
6	<i>Nyssa sylvatica</i> 'Wildfire'	Wildfire Black Gum	As Shown	4' Cal.	B&B
4	<i>Oxydendron arboreum</i>	Sourwood	As Shown	4' Cal.	B&B
7	<i>Quercus bicolor</i>	Swamp White Oak	As Shown	4' Cal.	B&B
22	<i>Quercus lyrata</i>	Overcup Oak	As Shown	4' Cal.	B&B
Note: For trees located within steps, crotch of lowest branch shall be no less than 8' from rootball.					
<b>SHRUBS</b>					
2	<i>Ilex verticillata</i> 'Red Sprite'	Red Sprite Winterberry	As Shown	5 Gal.	Cont.
15	<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry	As Shown	5 Gal.	Cont.
<b>PERENNIALS</b>					
286	<i>Amsonia tabernaemontana</i> 'Blue Ice'	Blue Ice Eastern Bluestar	1'-0" O.C.	Qt.	Cont.
22	<i>Anemone hupehensis</i> 'September Charm'	September Charm Anemone	2'-0" O.C.	Qt.	Cont.
141	<i>Bouteloua gracilis</i>	Blue Grama	1'-0" O.C.	Plug	Cont.
378	<i>Coreopsis auriculata</i> 'Nana'	Mouse Ear Coreopsis	0'-9" O.C.	Qt.	Cont.
114	<i>Echinacea tennesseensis</i> 'Rocky Top'	Tennessee Coneflower	1'-6" O.C.	Qt.	Cont.
2	<i>Geranium x</i> 'Tiny Monster'	Tiny Monster Cranesbill	1'-6" O.C.	Qt.	Cont.
60	<i>Helopsis helianthoides</i> 'Prairie Sunset'	Prairie Sunset False Sunflower	1'-6" O.C.	Qt.	Cont.
47	<i>Heuchera villosa</i> 'Autumn Bride'	Hairy Alum Root	2'-0" O.C.	Qt.	Cont.
48	<i>Monarda didyma</i> 'Jacob Cline'	Jacob Cline Bee Balm	1'-6" O.C.	Qt.	Cont.
2	<i>Pycnanthemum tenuifolium</i>	Slender Mountain Mint	1'-6" O.C.	Qt.	Cont.
56	<i>Solidago rugosa</i> 'Fireworks'	Fireworks Goldenrod	1'-6" O.C.	Qt.	Cont.
573	<i>Sporobolus heterolepis</i>	Prairie Dropseed	0'-9" O.C.	Plug	Cont.
2	<i>Symphoricarum oblongifolium</i> 'Raydon's Favorite'	Raydon's Favorite Aromatic Aster	2'-0" O.C.	Qt.	Cont.
34	<i>Veronicastrum virginicum</i>	Culver's Root	1'-6" O.C.	Qt.	Cont.
157	<i>Waldsteinia fragaroides</i>	Barren Strawberry	0'-9"	Plug	Cont.
<b>LAWN</b>					
25,500 sq.ft.	Sod shall be composed of Turf-Type Tall Fescue		N/A	SOD	N/A

\* Plant spacing is provided as a guide. Use full quantities of plants shown on drawings.  
\* All trees to be single-stem unless otherwise noted.

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Date: 12 DEC 2016

REVISIONS

1	12 DEC 2016
2	18 JAN 2017



100% CONSTRUCTION DOCUMENTS

EDR No: 15003

Drawn By: WMW

Drawing Title: PLANTING DETAILS





**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1
LIGHT PAVERS	100% VEHICULAR PAVER TYPE 2

**PEDESTRIAN PAVER DISTINCTION**

DARK PAVERS	100% PEDESTRIAN PAVER TYPE 8
LIGHT PAVERS	70% PEDESTRIAN PAVER TYPE 9 30% PEDESTRIAN PAVER TYPE 10

\* LIGHT PEDESTRIAN PAVERS SHOULD BE RANDOMIZED

**RULES FOR PAVER ZONES**

ZONE	DARK PAVER %	LIGHT PAVER %	RULES
1	100%	0%	
2	90%	10%	NO MORE THAN 2 LIGHT PAVERS TO TOUCH
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6	5%	95%	NO DARK PAVERS TO TOUCH. SCATTER DARK PAVERS
7	0%	100%	

- ① THERE SHOULD BE A DARK PAVER EDGE OF AT LEAST 8" AROUND ALL TOPS OF STEPS
- ② PAVING PATTERN WITHIN ZONES SHOULD BE RANDOMIZED
- ③ PAVING PATTERN SHOULD FADE BETWEEN ZONES, AND THE EDGES OF ZONES SHOULD BE INDISTINGUISHABLE.

**GENERAL NOTES**

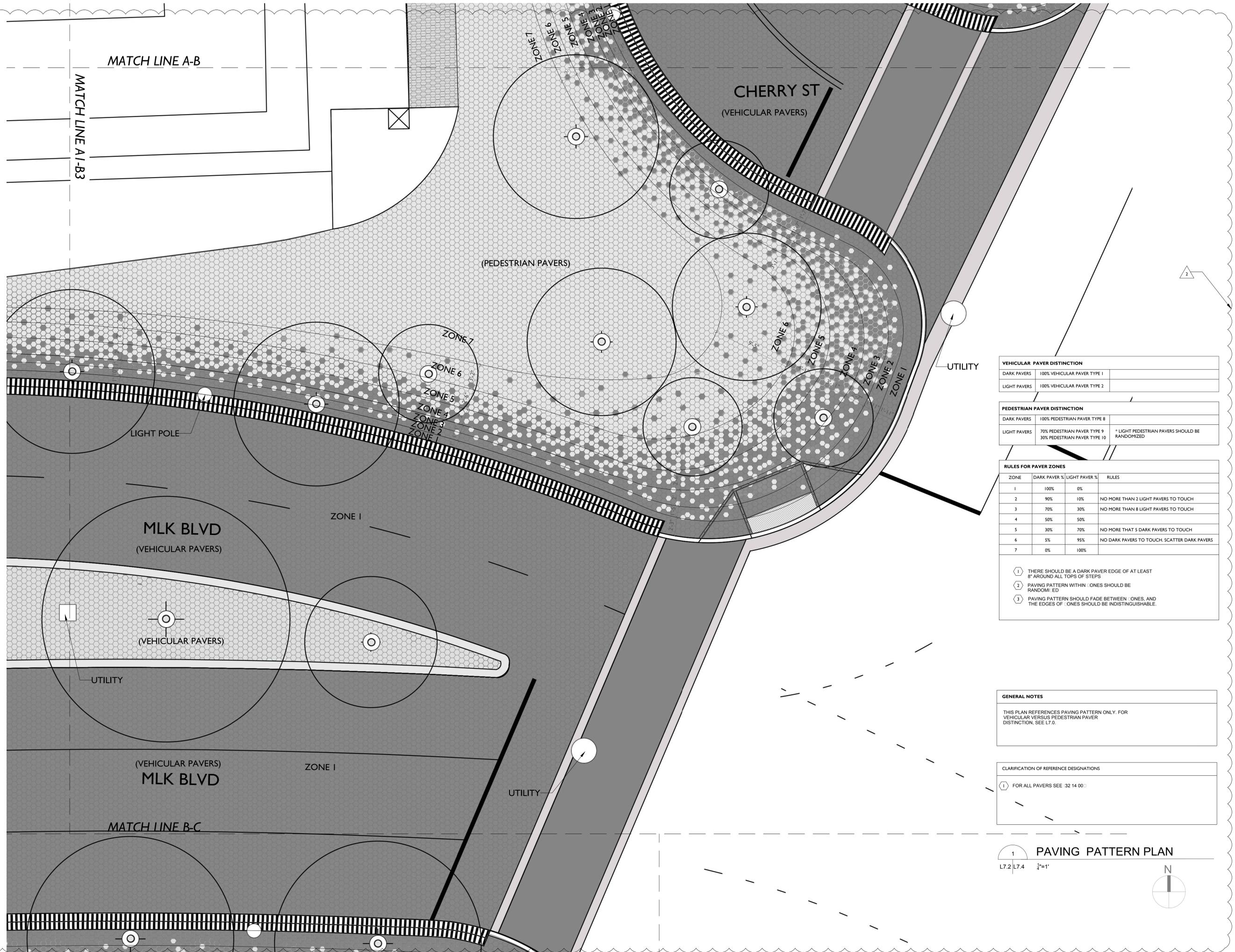
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE (32 14 00)

**PAVING PATTERN PLAN**  
L7.2, L7.3 1/4"=1'





**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1
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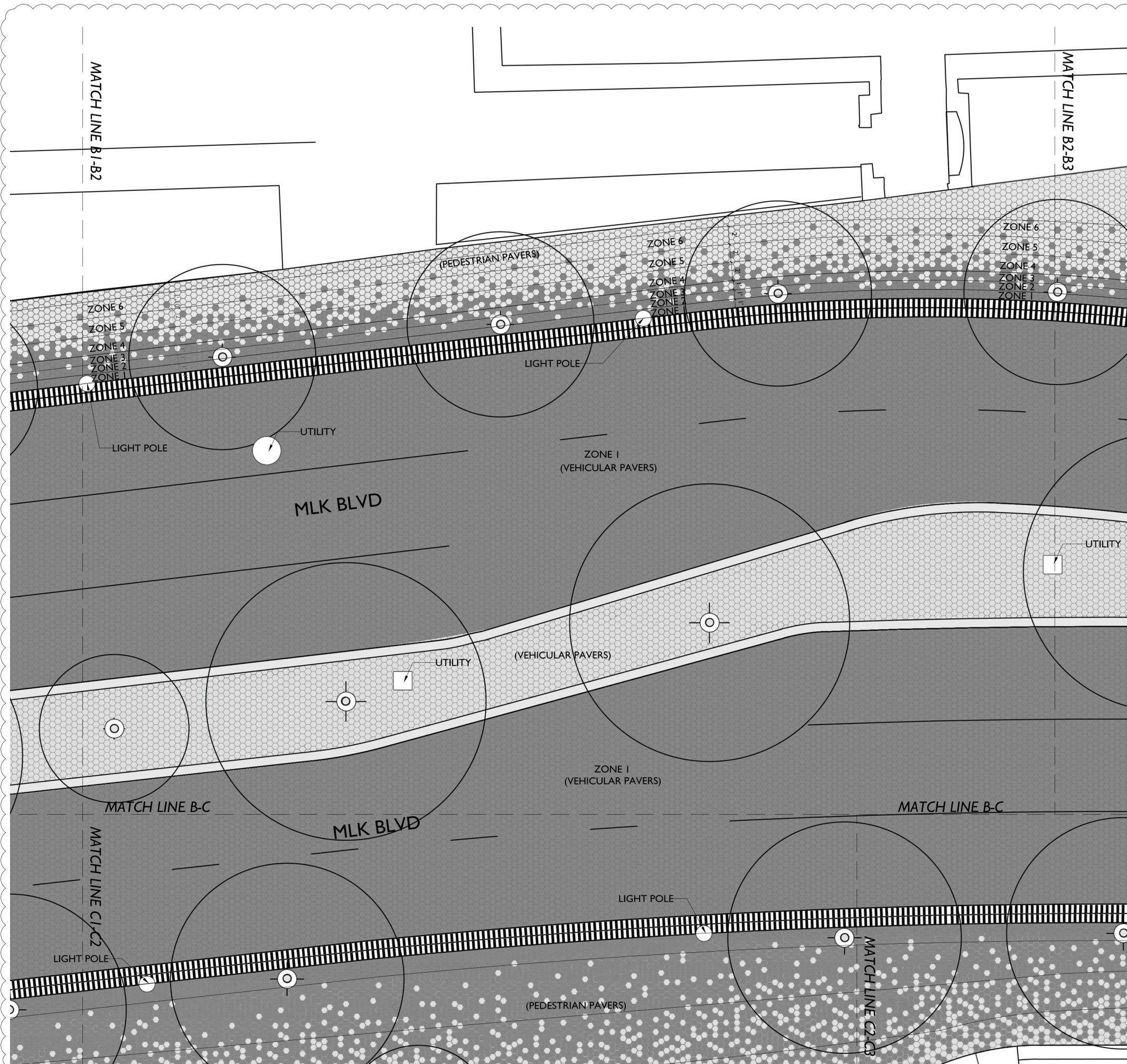
**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE (32 14 00)

**PAVING PATTERN PLAN**

L7.2 L7.4 1/4"=1'





**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1	
LIGHT PAVERS	100% VEHICULAR PAVER TYPE 2	

**PEDESTRIAN PAVER DISTINCTION**

DARK PAVERS	100% PEDESTRIAN PAVER TYPE 8	
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① FOR ALL PAVERS SEE (32 14 00)

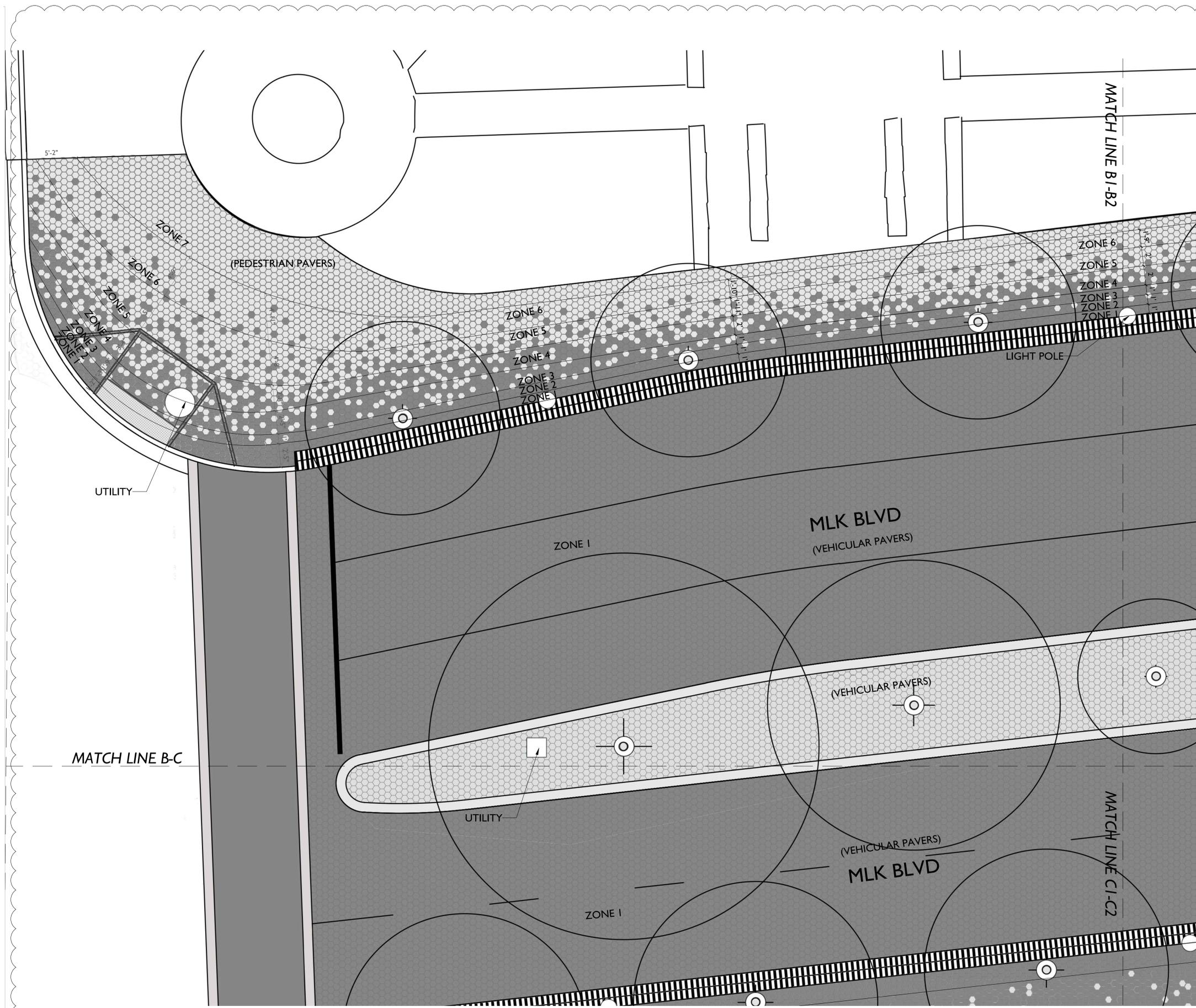
**PAVING PATTERN PLAN**

L7.2 | L7.5 | 1/4"=1'

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 A Professional Corporation  
 Date: 12 DEC 2016  
 REVISIONS  
 2 18 JAN 2017



100% CONSTRUCTION DOCUMENTS  
 EDR No: 15003  
 Drawn By: KB  
 Drawing Title: PAVING PATTERN PLAN



**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1
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**PEDESTRIAN PAVER DISTINCTION**

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**GENERAL NOTES**

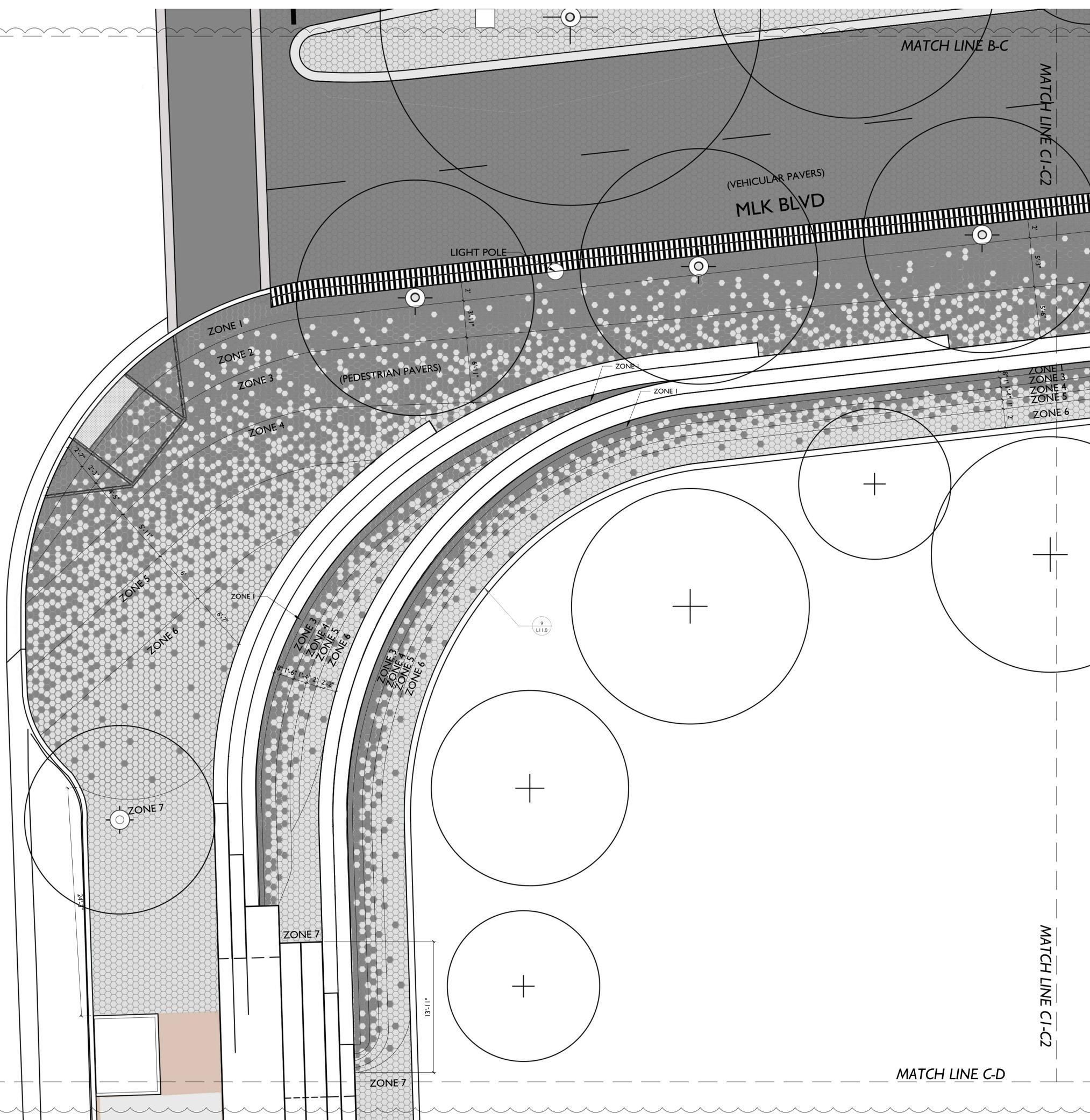
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**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE (32 14 00)

**PAVING PATTERN PLAN**  
L7.2 L7.6 1/4"=1'





**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1	
LIGHT PAVERS	100% VEHICULAR PAVER TYPE 2	

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DARK PAVERS	100% PEDESTRIAN PAVER TYPE 8	
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**GENERAL NOTES**

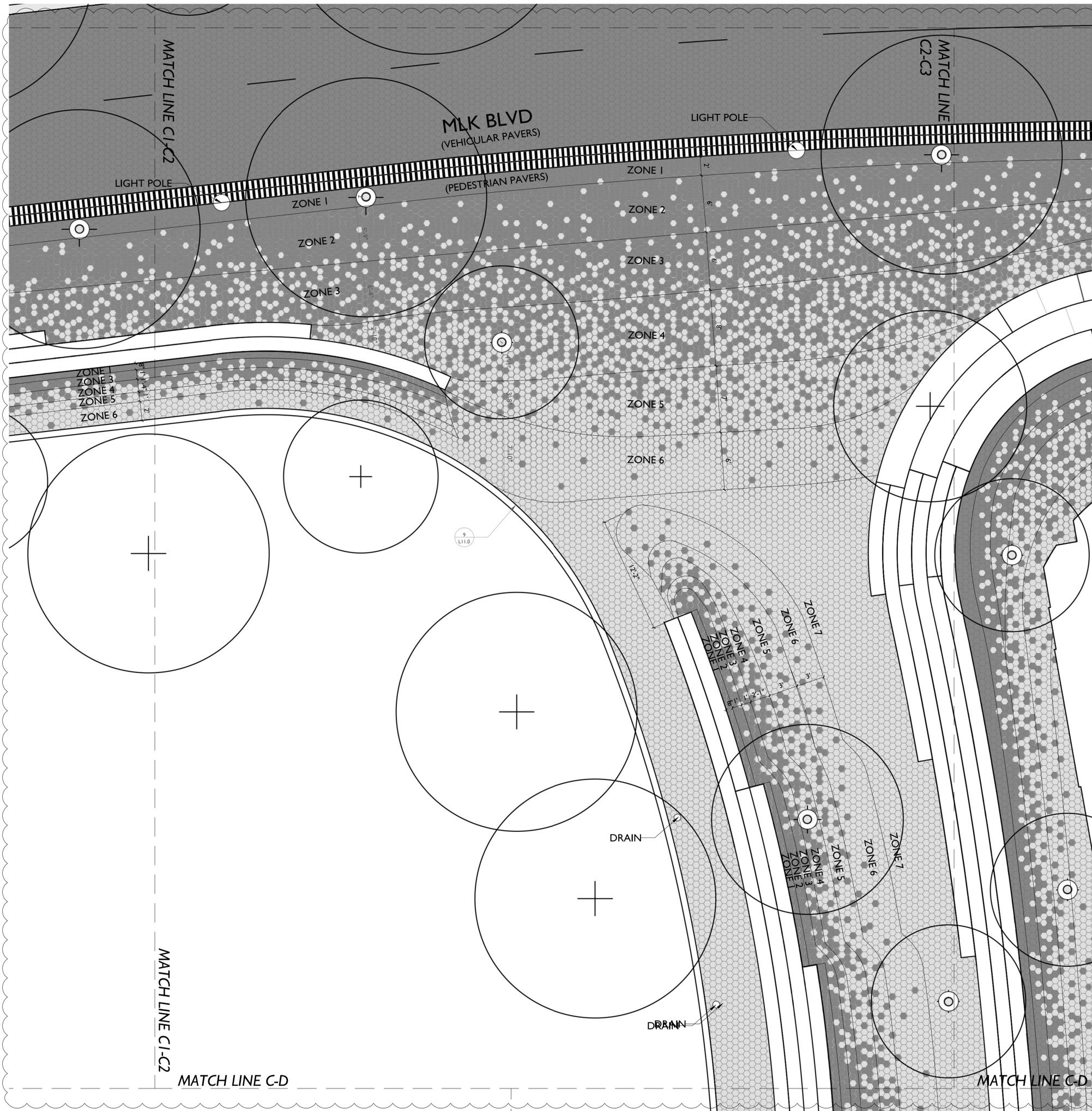
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**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE 32 14 00

1 PAVING PATTERN PLAN  
L7.2 L7.7 1/4"=1'





**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1	
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**GENERAL NOTES**

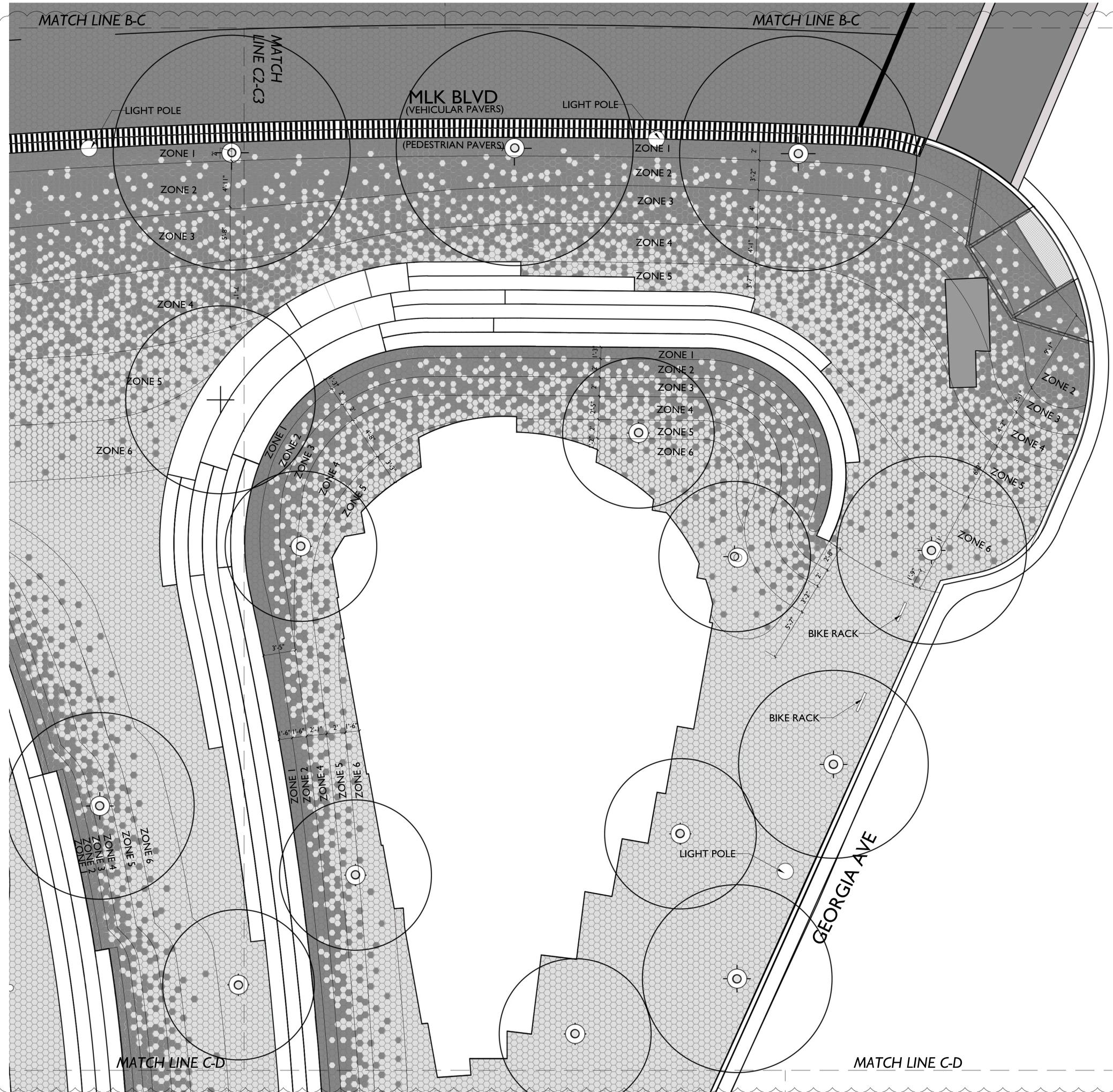
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE 32 14 00 1

1 PAVING PATTERN PLAN  
L7.2 L7.8 3/4"=1'





**VEHICULAR PAVER DISTINCTION**

DARK PAVERS	100% VEHICULAR PAVER TYPE 1	
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**GENERAL NOTES**

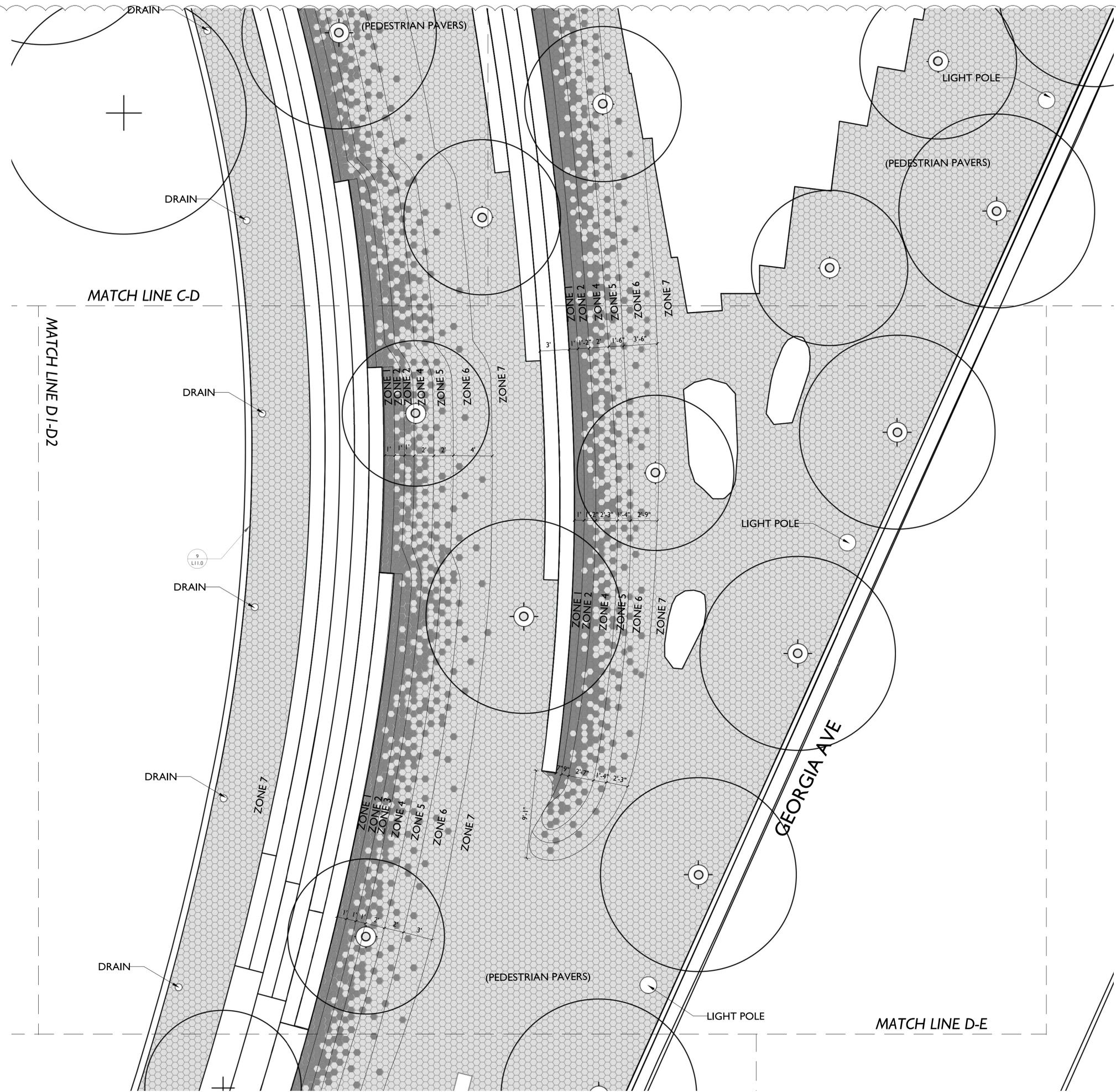
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

**CLARIFICATION OF REFERENCE DESIGNATIONS**

1 FOR ALL PAVERS SEE 32 14 00

1 PAVING PATTERN PLAN  
L7.2 L7.0 1/4"=1'





**VEHICULAR PAVER DISTINCTION**

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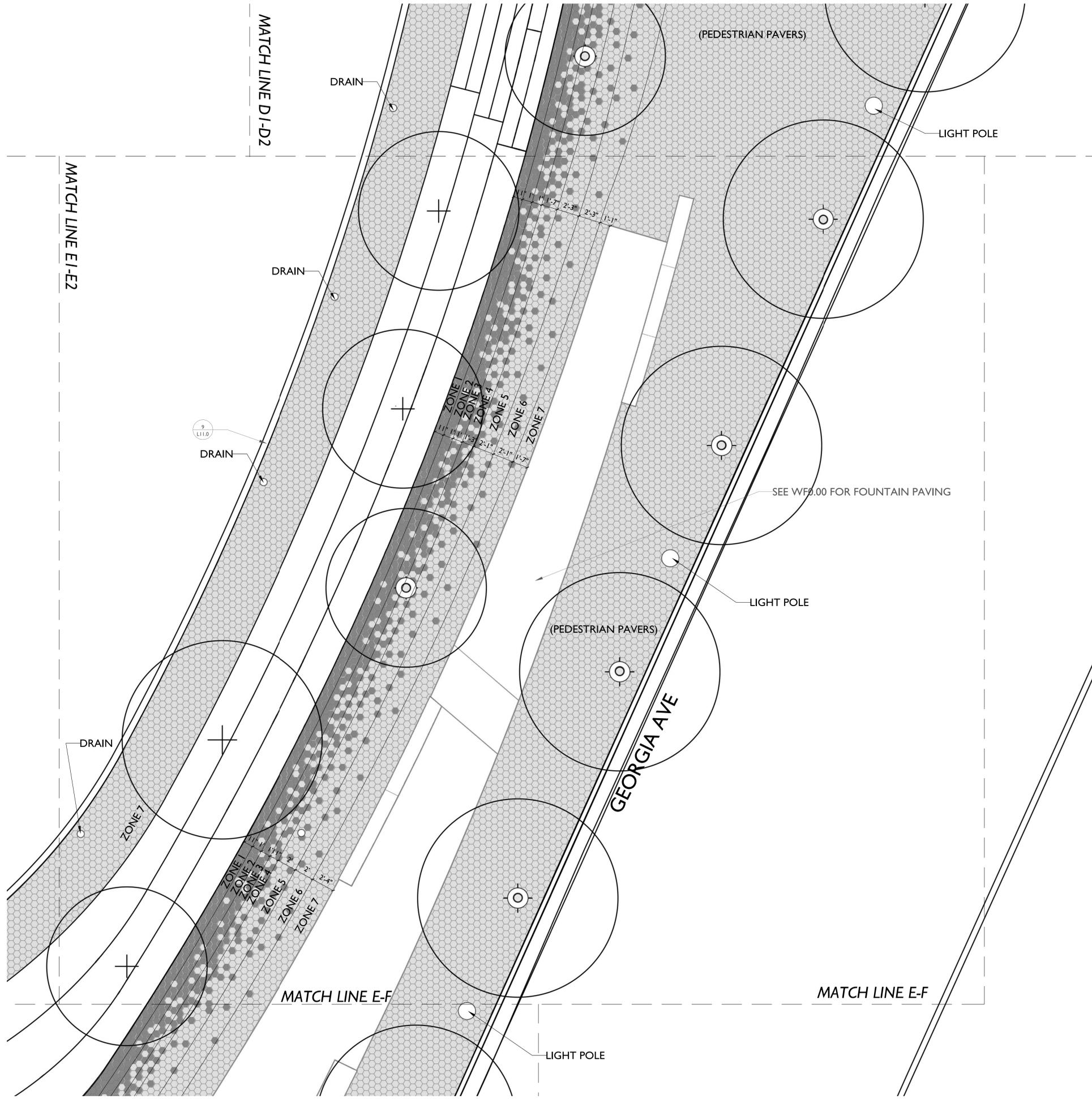
**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE 32 14 00.

**PAVING PATTERN PLAN**

L7.2 | L7.10 | 1/2"=1'





**VEHICULAR PAVER DISTINCTION**

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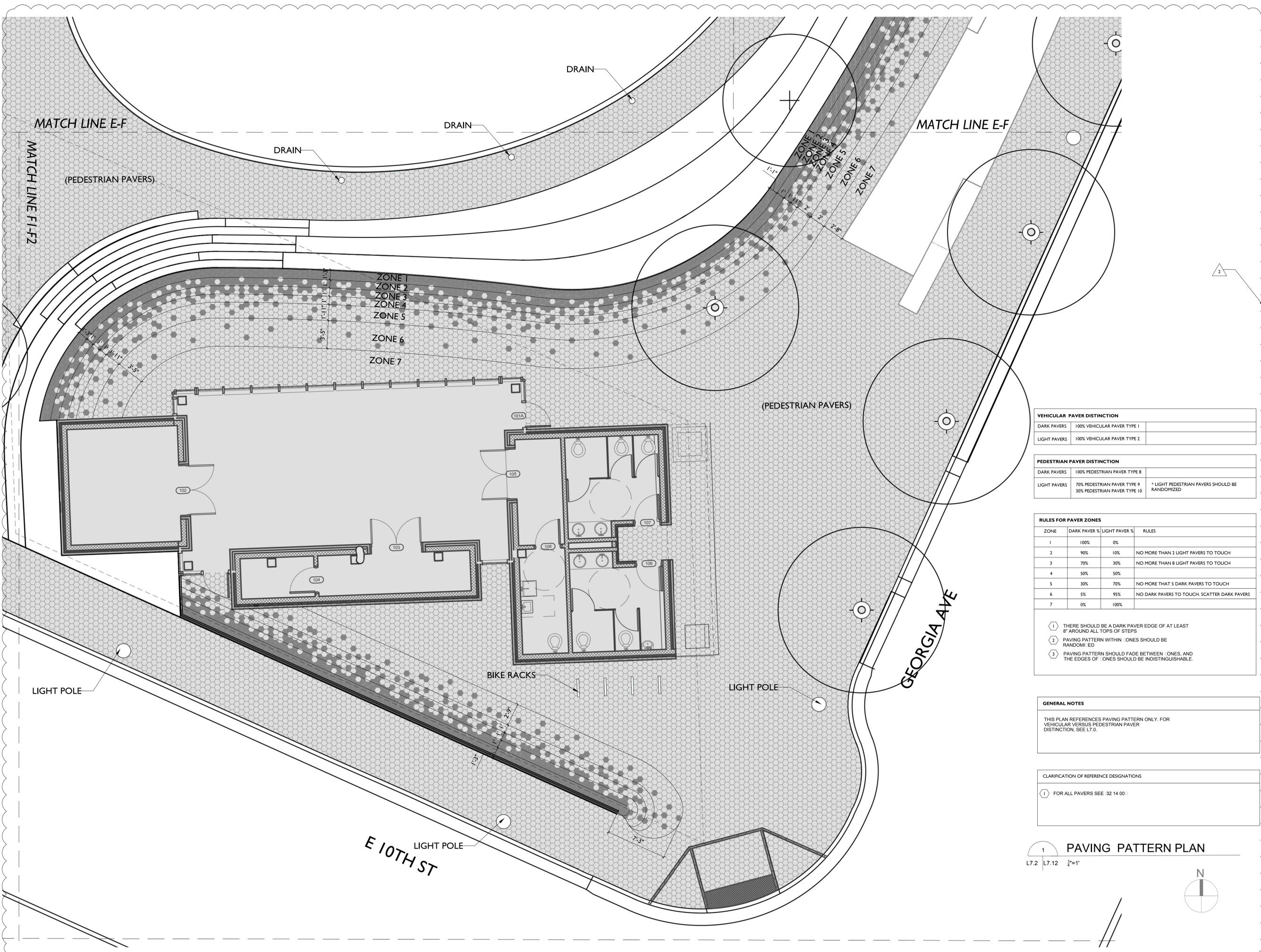
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

**CLARIFICATION OF REFERENCE DESIGNATIONS**

① FOR ALL PAVERS SEE 32 14 00

1 PAVING PATTERN PLAN  
L7.2 | L7.11 | 1/4"=1'





VEHICULAR PAVER DISTINCTION	
DARK PAVERS	100% VEHICULAR PAVER TYPE 1
LIGHT PAVERS	100% VEHICULAR PAVER TYPE 2

PEDESTRIAN PAVER DISTINCTION	
DARK PAVERS	100% PEDESTRIAN PAVER TYPE 8
LIGHT PAVERS	70% PEDESTRIAN PAVER TYPE 9 30% PEDESTRIAN PAVER TYPE 10

\* LIGHT PEDESTRIAN PAVERS SHOULD BE RANDOMIZED

RULES FOR PAVER ZONES			
ZONE	DARK PAVER %	LIGHT PAVER %	RULES
1	100%	0%	
2	90%	10%	NO MORE THAN 2 LIGHT PAVERS TO TOUCH
3	70%	30%	NO MORE THAN 8 LIGHT PAVERS TO TOUCH
4	50%	50%	
5	30%	70%	NO MORE THAN 5 DARK PAVERS TO TOUCH
6	5%	95%	NO DARK PAVERS TO TOUCH. SCATTER DARK PAVERS
7	0%	100%	

- 1 THERE SHOULD BE A DARK PAVER EDGE OF AT LEAST 8" AROUND ALL TOPS OF STEPS
- 2 PAVING PATTERN WITHIN ZONES SHOULD BE RANDOMIZED
- 3 PAVING PATTERN SHOULD FADE BETWEEN ZONES, AND THE EDGES OF ZONES SHOULD BE INDISTINGUISHABLE.

**GENERAL NOTES**

THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.6.

**CLARIFICATION OF REFERENCE DESIGNATIONS**

1 FOR ALL PAVERS SEE 32 14 00.0

1 PAVING PATTERN PLAN  
L7.2 | L7.12 | 1/4"=1'

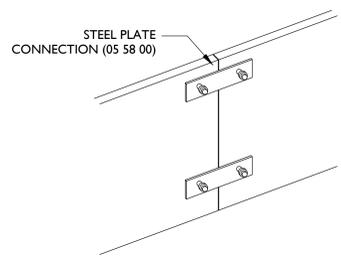




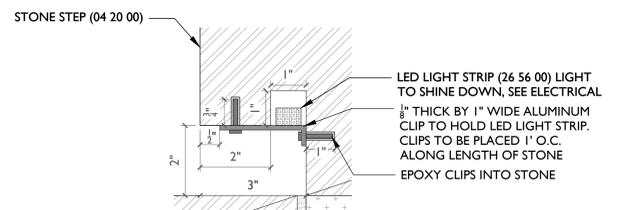
**GENERAL NOTES**

PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL STONE STEPS PRIOR TO FABRICATION

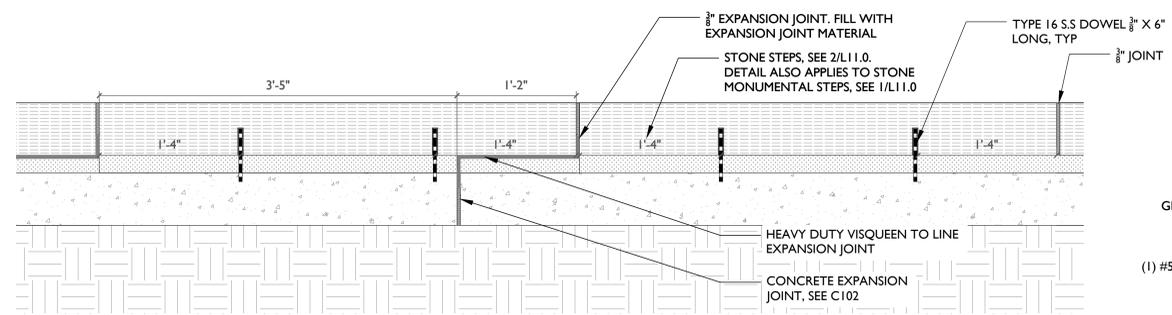
FIELD MEASURE CONCRETE BASE PRIOR TO FABRICATION OF STONE PIECES TO ENSURE PROPER CURVE AND FIT ON ALL STONE PIECES.



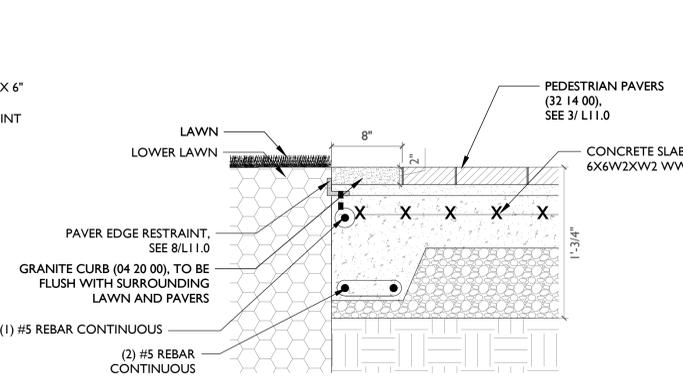
12 STEEL PLATE CONNECTION, TYP  
L11.0 NTS



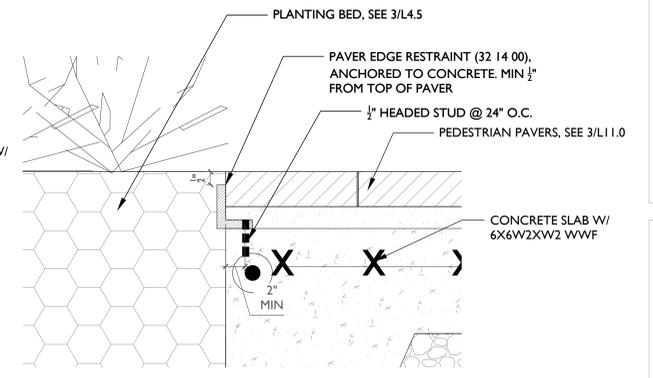
11 DETAIL OF LED LIGHT STRIP RECESSED IN STONE MONUMENTAL STEP, TYP  
L11.0 6" = 1"



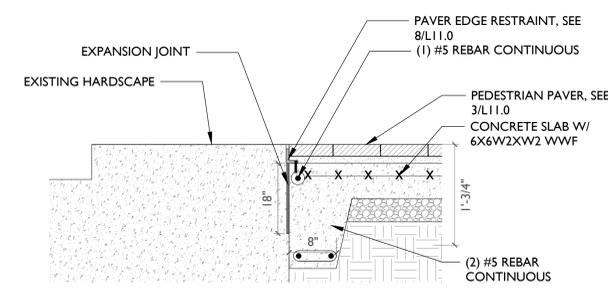
10 DETAIL OF EXPANSION JOINT THROUGH STONE STEPS, TYP  
L11.0 1-1/2" = 1"



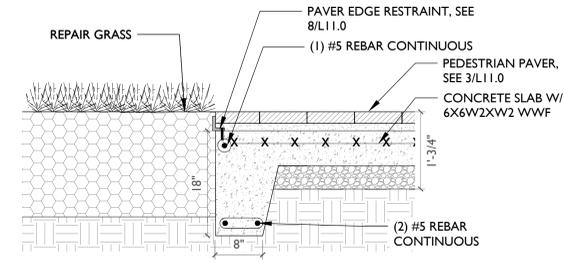
12 DETAIL OF LAWN EDGE, TYP  
L11.0 1-1/2" = 1"



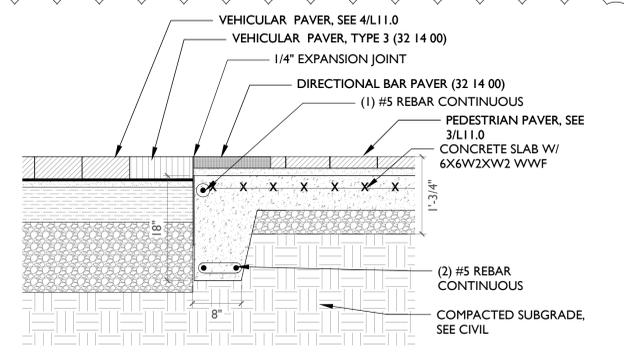
11 DETAIL OF PAVER EDGE, TYP  
L11.0 3" = 1"



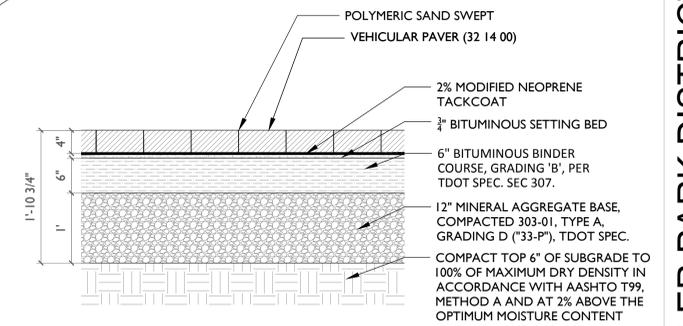
7 DETAIL OF PEDESTRIAN PAVER TO EXISTING HARDSCAPE AT MILLER PLAZA, TYP  
L11.0 1" = 1"



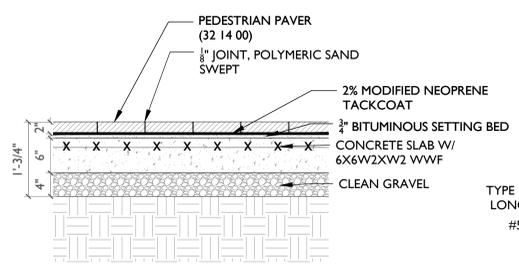
6 DETAIL OF PEDESTRIAN PAVER TO LANDSCAPE EDGE AT MILLER PLAZA, TYP  
L11.0 1" = 1"



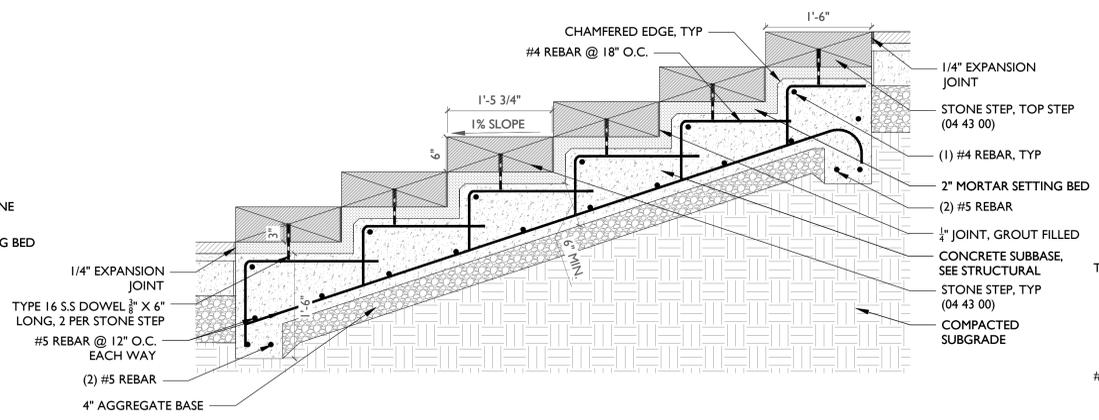
5 DETAIL OF VEHICULAR TO PEDESTRIAN PAVER APPLICATION, TYP  
L11.0 1" = 1"



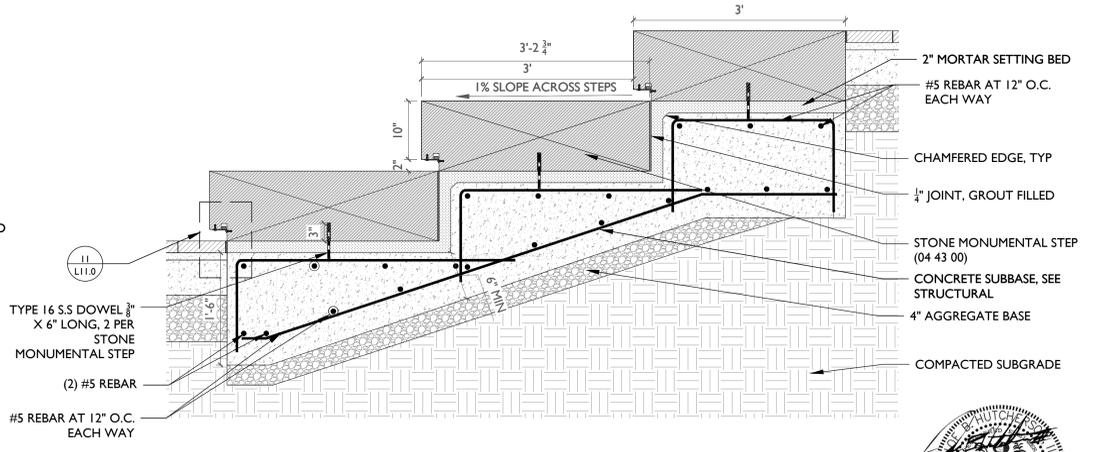
4 DETAIL OF VEHICULAR PAVER APPLICATION, TYP  
L7.0 L11.0 1" = 1"



3 DETAIL OF PEDESTRIAN PAVER APPLICATION, TYP  
L7.0 L11.0 1" = 1"

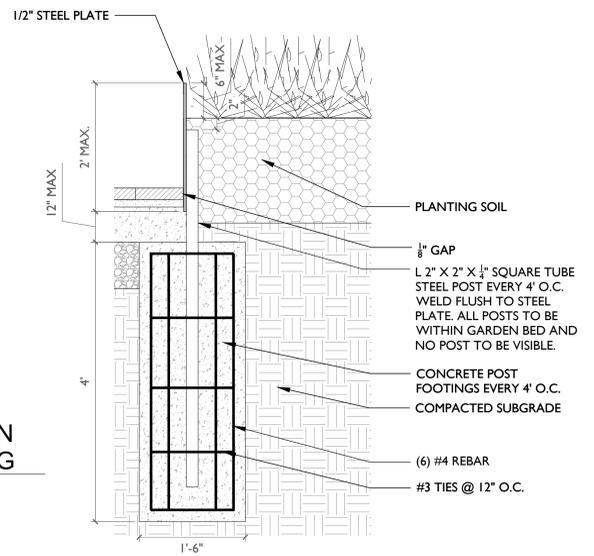
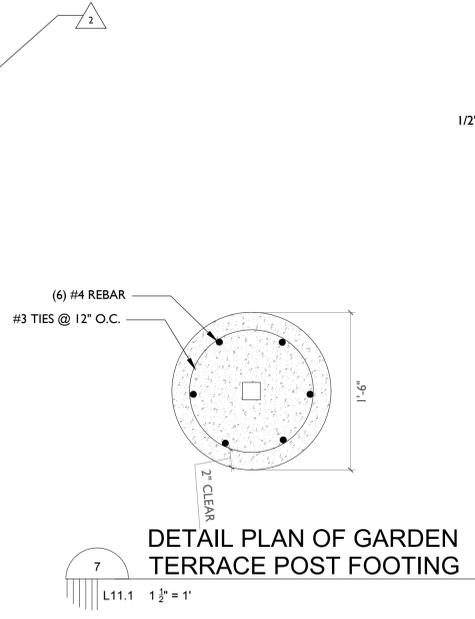
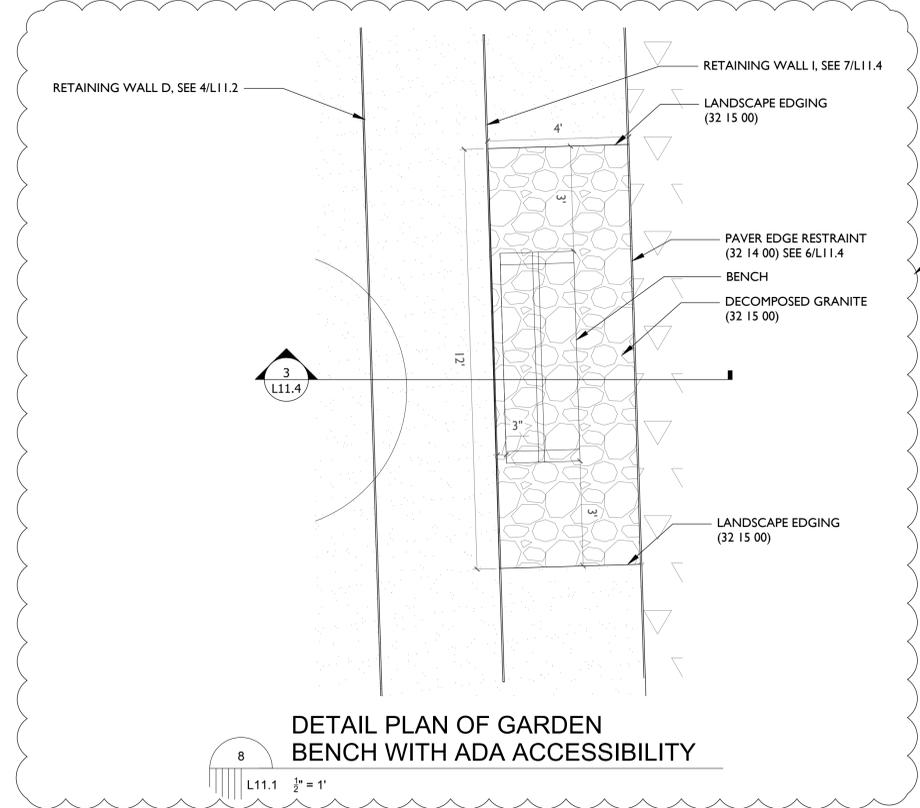


2 DETAIL OF STONE STEP, TYP  
L1.3-L1.5 L11.0 1" = 1"

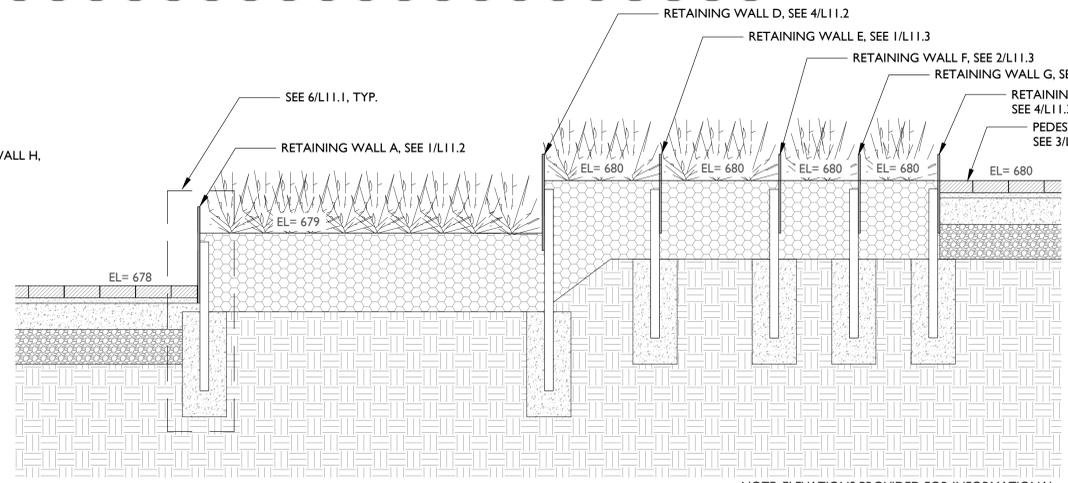
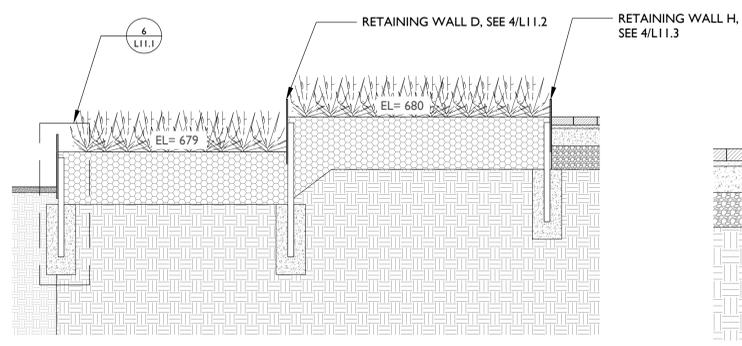


1 DETAIL OF STONE MONUMENTAL STEP, TYP  
L1.3-L1.5 L11.0 1" = 1"

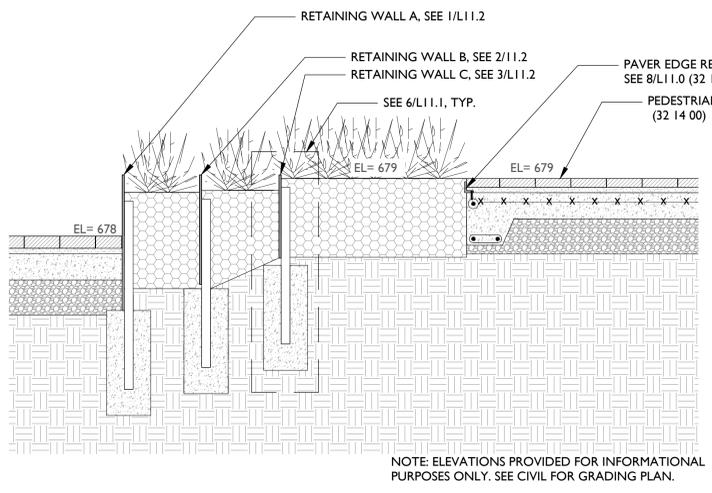
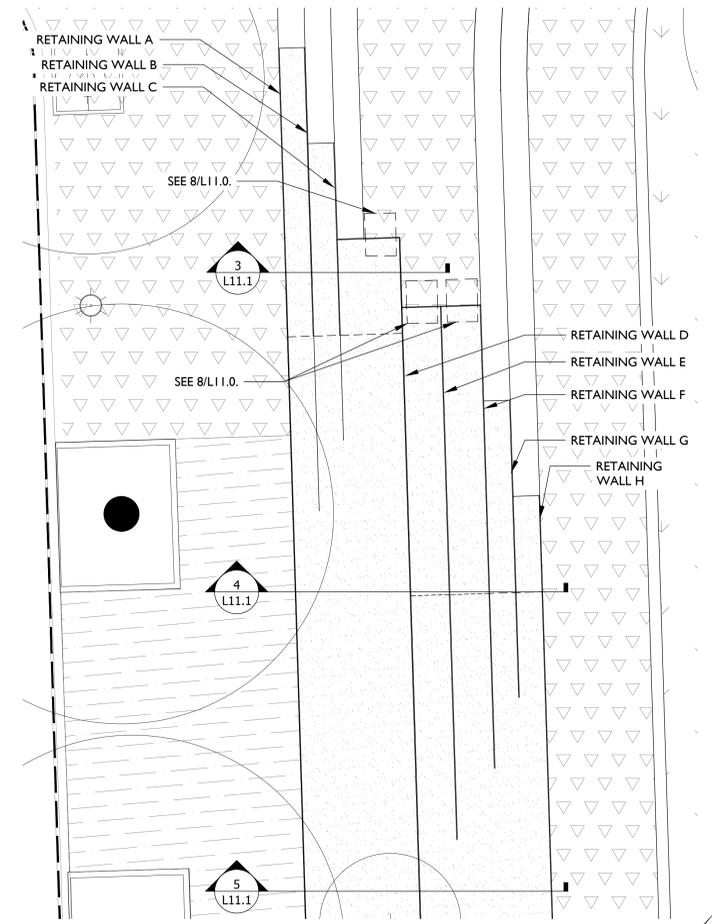




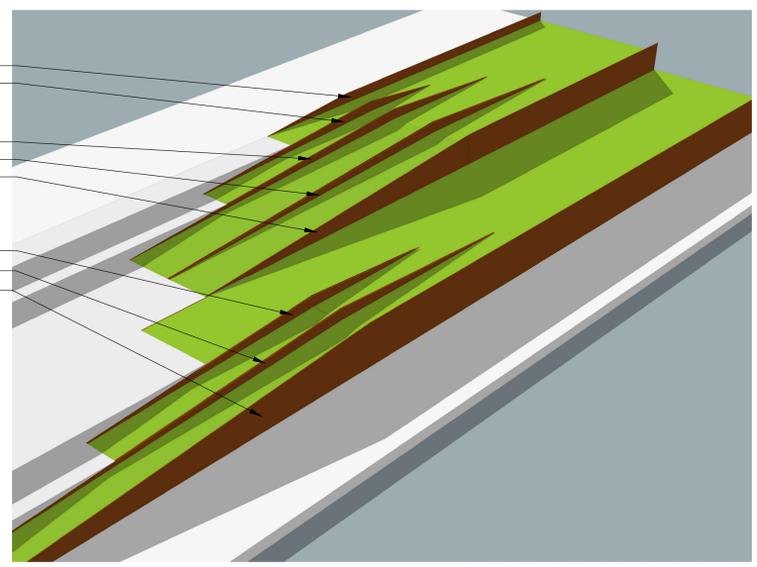
GENERAL NOTE:  
CONTRACTOR TO VERIFY 125 PCF ALLOWABLE PASSIVE PRESSURE. NOTIFY ENGINEER IF NOT ACHIEVED.



NOTE: ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. SEE CIVIL FOR GRADING PLAN.

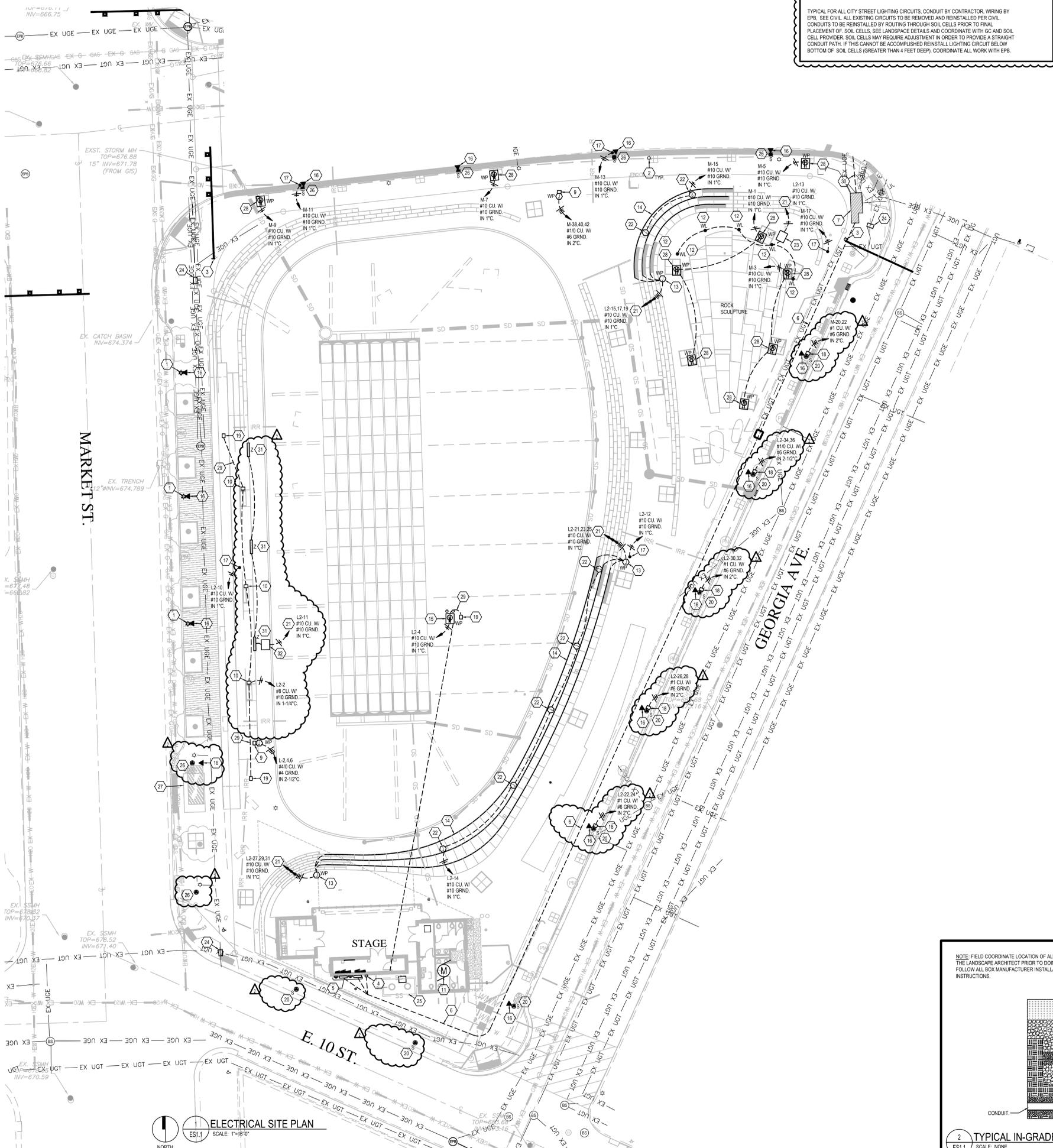


NOTE: ELEVATIONS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. SEE CIVIL FOR GRADING PLAN.



NOTE: FOR ILLUSTRATIVE PURPOSES ONLY





**GENERAL CITY STREET LIGHTING NOTE**

TYPICAL FOR ALL CITY STREET LIGHTING CIRCUITS. CONDUIT BY CONTRACTOR, WIRING BY EPB. SEE CIVIL. ALL EXISTING LIGHTS TO BE REMOVED AND REINSTALLED PER CIVIL. CONDUITS TO BE REINSTALLED BY ROUTING THROUGH SOIL CELLS PRIOR TO FINAL PLACEMENT OF SOIL CELLS. SEE LANDSCAPE DETAILS AND COORDINATE WITH GC AND SOIL CELL PROVIDER. SOIL CELLS MAY REQUIRE ADJUSTMENT IN ORDER TO PROVIDE A STRAIGHT CONDUIT PATH. IF THIS CANNOT BE ACCOMPLISHED REINSTALL LIGHTING CIRCUIT BELOW BOTTOM OF SOIL CELLS (GREATER THAN 4 FEET DEEP). COORDINATE ALL WORK WITH EPB.

- ELECTRICAL KEYED NOTES**
1. TYPICAL EXISTING CITY STREET LIGHT ON EAST SIDE OF MARKET. TO REMAIN. PROVIDE POWER OUTLET IF NOT EXISTING.
  2. TYPICAL EXISTING CITY STREET LIGHT ON SOUTH SIDE OF MLK BLVD. FIXTURES TO BE RELOCATED. SEE KEY NOTE 28. CONTRACTOR TO PROVIDE POWER OUTLET IF NOT EXISTING.
  3. NEW WIFI HUB WITH FIBER BY EPB. LOCATED ON EXISTING TRAFFIC SIGNAL POLE. ALL REQUIRED POWER & FIBER BY EPB.
  4. NEW WIFI HUB WITH FIBER BY EPB. LOCATED ON NEW STAGE BUILDING WALL. THE TWO EACH 2-1/2" FIBER CONDUITS IN NOTE 6 ARE TO TERMINATE AT THIS HUB. ALL REQUIRED POWER BY EPB.
  5. METERS FOR STAGE BUILDING & LANDSCAPE AREA LIGHTING. SEE SHEET E2.1 & RISER. COORDINATE WITH EPB.
  6. UNDERGROUND SECONDARY SERVICE TO NOTE 7 EXISTING EPB VAULT AT THE CORNER OF MLK & GEORGIA AVE. DITTO TO INCLUDE THE FOLLOWING CONDUITS:  
6 EACH 4" FOR POWER TO STAGE BUILDING.  
2 EACH 2-1/2" FOR FIBER TO HUB AT STAGE BUILDING.  
2 EACH 2" FOR TYPE "S" POLE LIGHTS.  
1 EACH 2" FOR SPARE.  
COORDINATE WITH MIKE JONES FOR ALL WORK AT VAULT. PENETRATIONS REQUIRED. CABLE TAIL LENGTHS ARE REQUIRED FOR CONNECTION BY EPB.
  7. EXISTING EPB VAULT. TIE IN POINT FOR POWER UTILITY.
  8. COORDINATE ALL UNDERGROUND ELECTRICAL PIPING WITH FIELD IRRIGATION LINES. ELECTRICAL CONDUITS SHOULD BE ROUTED DEEPER.
  9. 24" X 18" OPEN BOTTOM QUARTZITE BOX WITH WALK OVER RATED COVER. FIELD COORDINATE LOCATION OF BOXES WITH LANDSCAPE ARCHITECT. PROVIDE POLARIS TAP BLOCKS ON ENDS OF EACH CABLE TO FACILITATE FUTURE HARDWIRED CONNECTIONS TO TEMPORARY EVENT POWER PANELS. SEE LANDSCAPE PLANS.
  10. OUTDOOR POWER PEDESTAL (LEGAND KXC3PFRGR-SV). PROVIDE 120V CONNECTION AT BASE. WIRE AS PER MANUFACTURER SPEC. STATION IS 8" WIDE, 8" DEEP, & 34" TALL. PEDESTAL IS EQUIPPED WITH ONE EACH 20A GFCI RECEPTACLE & ONE EACH 4-PORT, 4-2A USB OUTLET. CONDUIT STUBS UP INTO BASE OF STATION A MINIMUM OF 8". PROVIDE CONCRETE BASE. INSTALL AS PER MANUFACTURER SPEC. VERIFY STATION FINISH PRIOR TO ORDER. STATION TO STAND AT END OF BENCH.
  11. PROVIDE 200V, 3Ø CONNECTION AT MOTOR FOR WATER FEATURE. MOTOR LOCATED BASEMENT BELOW STAGE BUILDING. SEE SHEET E2.1. FIELD VERIFY LOCATION.
  12. AIM FIXTURE AT ROCK SCULPTURE. FIELD COORDINATE WITH THE LANDSCAPE ARCHITECT.
  13. WEATHERPROOF BOX FLUSH IN GRADE WITH THREE EACH 120V CIRCUITS FOR WIRING OF THE THREE RUNS OF NOTE 14 LED ROPE LIGHTS AT CONCRETE STEPS.
  14. LED ROPE LIGHT MOUNTS IN RECESS IN RISER OF CONCRETE STEPS. TYPICAL FOR THREE LOCATIONS. SEE 14.1.1.0.
  15. WEATHERPROOF BOX FLUSH IN GRADE. BOX TO HAVE TWO OUTLETS. OUTLETS MOUNTED IN WIREMOLD #XB14C200Y GROUND BOX WITH UL50E TYPE 6P & IP68 RATING. CONTACT ROBERT GREGA AT 615-525-6785. RUN ONE EACH EMPTY 1/2" (WITH PULL ROPE) AND ONE EACH EMPTY 2 1/2" (WITH PULL ROPE) TO COMMUNICATIONS BACKBOARD INSIDE STAGE BUILDING FOR USE WITH TEMPORARY EVENT CABLES (BY OTHERS). BOX IS LOCATED APPROXIMATELY 200' FROM FRONT OF STAGE. FIELD COORDINATE LOCATION OF BOX WITH THE ARCHITECT PRIOR TO DOING ANY WORK. FOLLOW ALL MANUFACTURER INSTALLATION INSTRUCTIONS.
  16. WIFI ACCESS POINT. BY EPB. WIFI DEVICE & POLE PROVIDED & INSTALLED BY OTHERS. 110V POWER BY EPB.
  17. SPEAKER MOUNTED ON CUSTOM POLE. POLE & SPEAKERS BY OTHERS. CONTRACTOR TO PROVIDE 120V POWER TO POLE FROM NEAREST 120V PANEL AS SHOWN. ALSO RUN AN EMPTY 1/2" (WITH PULL ROPE) BETWEEN EACH OF THE FIVE LOCATIONS AND BACK TO SOUND EQUIPMENT RACK IN THE STAGE BUILDING.
  18. FOOD TRUCK POWER CONNECTION POINT. PROVIDE MELBANK M8000ULTS SURFACE MOUNT POWER OUTLET. UNIT IS 15A RATED WITH THREE INTERNAL BREAKERS AND OUTLETS. BREAKERS ARE 50A/2P, 30A/1P & 20A/1P. OUTLETS ARE 14-50R, T30R & 5-20R-GFI. UNIT IS 8-7/8" WIDE, 4-1/2" DEEP AND 16-1/4" TALL. UNIT MOUNTS AS BASE OF STREET LIGHTING POLE. PROVIDE ALL REQUIRED MOUNTING MATERIALS, WIRE AS PER MANUFACTURER SPEC. THE CONDUIT FOR THE TRUCK BOX COMES UP IN THE POLE. BASE ALONG WITH THE STREET LIGHTING CONDUITS. LABEL AND PROVIDE WIRE TAGS FOR ALL CONDUITS AND WIRES IN BASE. PROVIDE SEALIGHT FITTING AND SEALIGHT CABLE OUT OF POLE BASE TO BOTTOM OF TRUCK BOX.
  19. LOCATION FOR FUTURE DECORATIVE ART PIECE. CONTRACTOR TO AN EMPTY 1/2" (WITH PULL ROPE) TO STAGE BUILDING FOR DATA. TERMINATE IN BOX FLUSH IN GRADE. CONDUIT STUBS UP AT COMMUNICATIONS BACKBOARD. LABEL BOTH ENDS OF ROPE.
  20. CITY STREETSCAPE POLE LIGHT. FEE PAID BY CONTRACTOR. POLE SET BY CITY. CONTRACTOR TO PROVIDE ALL REQUIRED CONDUIT FOR CIRCUIT AND INSTALL HAND HOLE QUARTZITE BOX AT EACH POLE. HAND HOLE BOXES PROVIDED BY EPB. EPB WILL NEED AN AUTHORIZATION FROM RICK DAVIS TO CREATE A WORK ORDER SO THAT THE HAND HOLE BOXES CAN BE ISSUED TO THE CONTRACTOR. ALSO PROVIDE POLE BASE PER DETAIL. RUN DITCH AND CONDUIT FOR POWER TO NEAREST TRANSFORMER. SEE ALSO PEDESTAL LIGHTING NOTES ON THIS SHEET. CONTRACTOR IS TO RUN TWO EACH 2" (WITH PULL ROPE) FROM NOTE 7 EPB VAULT TO ALL NEW TYPE "S" POLE LOCATIONS ALONG GEORGIA AVE AND E. 10TH ST. STUB UP IN QUARTZITE BOX AT EACH POLE. CONDUITS RUN IN NOTE 6 DITCH. 15/24" PULL BOX GOES AT EACH POLE. SEE CIVIL DETAILS FOR RELATIONSHIP OF EPB PULL BOX AND UNDERGROUND LANDSCAPE SOIL CELLS WHICH ARE INSTALLED BELOW HAND HOLES. ALL CONDUITS FOR THE CITY STREETSCAPE LIGHTING CIRCUIT ROUTE BELOW THE BOTTOM OF THE SOIL CELLS (DEEPER THAN 48"). VERIFY ACTUAL DEPTH AND TURN UP VERTICALLY THROUGH THE SOIL BOXES INTO THE BOTTOM OF THE HANDHOLES. COORDINATE WITH LANDSCAPE, CIVIL AND EPB. FOLLOW ALL PERTINENT CITY DETAILS. A SPREAD FOOTER DETAIL IS AVAILABLE. CONDUIT MAY BE RUN THROUGH SOIL CELLS IN LIEU OF BELOW. COORDINATE CONDUIT INSTALLATION WITH GENERAL CONTRACTOR AT TIME OF SOIL CELL INSTALLATION. SEE CIVIL AND LANDSCAPE DETAILS. REFER TO GENERAL CITY STREET LIGHTING NOTE ON THIS SHEET AND SUBMIT RFI FOR ANY ISSUES PRIOR TO WORK.
  21. RUN CIRCUIT THRU LIGHTING CONTRACTOR. CONTRACTOR TO BE CONTROLLED BY TIMECLOCK & PHOTOCELL ASSEMBLY.
  22. PROVIDE A 4-PORT USB PLUG DEVICE IN A RECESSED BOX SUITABLE FOR CONCRETE POLE WITH WEATHERPROOF IN-USE COVER. THE P&S #TMBUS4W 4-PORT USB MOUNTED IN A BURLINGTON IN BOX #8361C (HORIZONTAL WHITE BOX WITH CLEAR COVER) IS SPECIFIED. NO EQUAL.
  23. BOX FLUSH IN GRADE WITH 24V DC DRIVER TO POWER THE FIVE "WL" LIGHT FIXTURES. PROVIDE 120V TO 24V TRANSFORMER. SIZE BOX AS REQUIRED. FIELD LOCATE BOX.
  24. NEW 17x30" BELOW GRADE PULL BOX BY EPB.
  25. GREASE TRAP LOCATED BELOW GRADE BEHIND STAGE BUILDING. FIELD COORDINATE LOCATION OF UNIT ALONG WITH INCOMING & OUTGOING PLUMBING LINES AND AVOID WITH POWER & COMMUNICATIONS CONDUITS.
  26. EXISTING CITY STREETSCAPE POLE TO BE RELOCATED TO THIS NEW LOCATION. PROVIDE NEW POLE BASE. SEE CIVIL (8/003).
  27. EXISTING CARTA BUS SHELTER. THE CONTRACTOR IS TO COORDINATE WITH EPB FOR THE RELOCATION AND RECONNECTION OF ELECTRICAL FOR THE BUS SHELTER AT ITS NEW LOCATION.
  28. WEATHERPROOF BOX FLUSH IN GRADE. BOX TO HAVE TWO OUTLETS. OUTLETS MOUNTED IN WIREMOLD #XB14C200Y GROUND BOX WITH UL50E TYPE 6P & IP68 RATING. CONTACT ROBERT GREGA AT 615-525-6785. FOLLOW ALL MANUFACTURER INSTALLATION INSTRUCTIONS. DETAIL #2 ON THIS SHEET IS A GENERAL VIEW OF THIS ITEM.
  29. RUN AN EMPTY 1/2" (WITH PULL STRING) FROM NOTE 19 BOX TO ADJACENT BOX WITH POWER FOR FUTURE POWER CONNECTION AT NOTE 19.
  30. UNDERGROUND SERVICE FEED FROM EXISTING EPB VAULT TO NEW METER & PANEL #1" ON OPPOSITE SIDE OF MLK (SEE KEY NOTE 9 ON SHEET E2.1). SEE SHEET E2.1 & RISER DIAGRAM. INCLUDE 1/2" FOR EPB.
  31. TYPE "Z" FIXTURE IS TO MOUNT IN GARDEN TERRACE METAL RETAINING WALL. FACE OF FIXTURE IS TO BE FACING MARKET ST. REFER TO LANDSCAPE PLANS FOR DETAILS. FIELD COORDINATE WITH THE LANDSCAPE ARCHITECT. FIXTURE INSTALLS IN WATERPROOF BACKBOX. FOLLOW ALL LIGHTING MANUFACTURER INSTALLATION INSTRUCTIONS.
  32. BOX FLUSH IN GRADE WITH 24V DC DRIVER TO POWER THE FIVE "Z" LIGHT FIXTURES. PROVIDE 120V TO 24V TRANSFORMER. SIZE BOX AS REQUIRED. FIELD LOCATE BOX.

- GENERAL SITE NOTES**
1. ALL CONDUCTOR SIZES SHOWN ARE BASED ON THE NEC AMPACITIES OF COPPER CONDUCTORS. TYPE THW UNLESS OTHERWISE NOTED.
  2. ALL UNDERGROUND WIRING IS TO BE INSTALLED IN SCHEDULE 40 PVC CONDUIT PER THE WRITTEN SPECIFICATIONS. RIGID STEEL ELBOWS ARE TO BE USED ON THE CONDUIT WHEREVER IT TURNS UP AND EXITS THE GROUND.
  3. THE CONTRACTOR SHALL SUPPLY A SEPARATE GREEN INSULATED GROUND WIRE IN ALL RUNS OF PVC CONDUIT, WHETHER SHOWN ON THE DRAWINGS OR NOT.
  4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL CONCRETE AND RELATED WORK FOR ALL POLE BASES, TRANSFORMER PADS, ETC., WHICH ARE IN HIS SCOPE OF WORK.
  5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVISION OF ELECTRICAL WIRING AND ASSOCIATED EQUIPMENT REQUIRED TO PROVIDE SERVICE TO ALL Pylon SIGNS.
  6. ALL WORK IS TO COMPLY WITH THE LATEST VERSION OF THE NEC AND ALL APPLICABLE STATE, LOCAL, AND MUNICIPAL CODES.
  7. THE ELECTRICAL CONTRACTOR IS TO COORDINATE ALL OF HIS WORK WITH ALL OF THE OTHER DISCIPLINES AND TRADES: WATER, SEWER, STORM DRAINAGE, ETC. ROUTING TAKE PRECEDENCE OVER THE ELECTRICAL WIRE AND CONDUIT WORKING. THE ELECTRICAL CONTRACTOR IS TO RELOCATE OR REROUTE AS REQUIRED TO CLEAR SUCH.
  8. COORDINATE ALL SITE WORK WITH CIVIL DRAWINGS.
  9. COORDINATE ALL DEMOLITION WITH UTILITY COMPANIES.
  10. SEE ARCHITECTS PHASING SCHEME FOR OTHER PERTINENT INFORMATION. THE ELECTRICAL CONTRACTOR IS TO PERFORM ALL WORK IN THE SEQUENCE REQUIRED BY THAT SCHEDULE AND PROVIDE ALL TEMPORARY SERVICES (10 OR 30, DISCONNECTS, POLES, METER BASES, ETC.) AS REQUIRED BY OWNER.

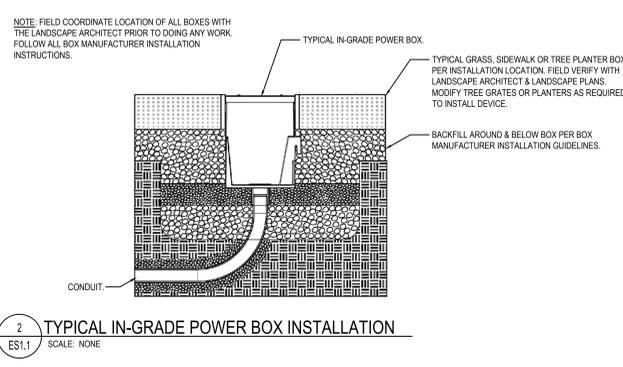
- UTILITY SUPPLY NOTES**
1. ALL UTILITY SERVICES SHOWN ARE FOR SCHEMATIC REPRESENTATION ONLY. NO EXPRESSED OR IMPLIED GUARANTEE IS GIVEN AS TO THE EXACT LOCATION, GRADE OR ELEVATION OF THE ABOVE MENTIONED ITEMS. ACTUAL LOCATIONS ARE TO BE BASED ON UTILITY COMPANY AND OWNER INSTRUCTIONS.
  2. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH THE PRIMARY AND SECONDARY SERVICES AND METER INSTALLATION FEES. IF THE CONTRACTOR CANNOT DETERMINE THE PRIMARY SERVICE FEES TO BE APPLIED BY THE POWER COMPANY, THEN HE IS TO INCLUDE A LUMP SUM SPECIFICALLY STATING THAT THESE COST HAVE NOT BEEN INCLUDED IN THE BID BUT WILL BE ADDITIONS TO THE CONTRACT WHEN DETERMINED BY THE UTILITY.
  3. BECAUSE OF ALL OF THE ABOVE REASONS, ALL ELECTRICAL CONTRACTORS DESIRING TO BID ON THIS PROJECT ARE REQUIRED TO VISIT THE JOB SITE PRIOR TO BIDDING SO THAT THEY MAY BECOME FAMILIAR WITH ALL CIRCUMSTANCES WHICH WILL AFFECT THE ELECTRICAL WORK. CONTRACTORS ARE TO INCLUDE ALL REQUIRED COST TO PROVIDE A COMPLETE, FUNCTIONAL AND CODE COMPLIANT ELECTRICAL INSTALLATION.
  4. CONTRACTOR SHALL INCLUDE OVERTIME AND AFTER HOURS PREMIUM LABOR CHANGES IN HIS BID AS REQUIRED TO COMPLETE THE INSTALLATION OF THIS PROJECT IN ACCORDANCE WITH THE ARCHITECT'S SCHEDULE.
  5. COORDINATE JOINT USE AGREEMENT WITH TELEPHONE, CATV AND POWER CO. FOR UNDERGROUND SERVICE TO BUILDING.
  6. CONTRACTOR TO ALSO INCLUDE ANY COST FOR SERVICE TO BUILDING ASSOCIATED WITH UTILITIES OTHER THAN POWER.
  7. ALL REQUIRED 90° ELBOWS OF UTILITY CONDUITS TO BE OF SWEEPING TYPE AND RIGID (NOT PVC).
  8. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH TEMPORARY POWER SERVICES FROM THE LAST POWER CO. POWER OR DEMARICATION POINT TO TEMPORARY DISCONNECTING DEVICES, WIRING AND METER CHANGES FOR EITHER SINGLE PHASE OR 3-PHASE AS REQUIRED.

**SITE LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION
RL	LED ROPE LIGHT. 120V, 3000K, 4.2W PER FOOT. FIELD VERIFY LENGTH (COMES IN ROLL OF 164'). PROVIDE ALL REQUIRED MOUNTING MATERIALS. DIODE LED #D-120V-N30-CSTM (FIELD VERIFY LENGTH)
S	CITY OF CHATTANOOGA STREETSCAPE POLE LIGHT. COORDINATE ORDERING OF FIXTURES WITH GREG HERRALD AT 423-643-5968 OF CHATTANOOGA DOT. NOTE THAT THERE IS A 3 MONTH ADVANCE NOTICE REQUIREMENT FOR THE PARTNERSHIP AGREEMENT TO BE COORDINATED AND LIGHT POLES TO BE ORDERED BY DOT THRU THEIR AGREEMENT. POLES REQUIRE AUTHORIZATION BY THE CITY COUNCIL PRIOR TO ORDER. INSTALL ALL CONDUIT, POLE BASE, GROUND ROD, AND EPB PROVIDED PULL BOXES. FOLLOW ALL CITY STANDARDS FOR INSTALLATION. SEE DETAIL #3003 FOR STANDARD POLE BASE DETAIL. FIXTURE HEAD AND POLE PER DOT SPEC. TO BE EQUIPPED WITH POWER OUTLET.
WL	RECESSED IN-GRADE FIXTURE. LED, 1.1W, 24V, POWERED BY REMOTE 24V DC DRIVER. BLACK FINISH. BEGA 488 671
Z	RECESSED LINER IN-GRADE FIXTURE. LED, 0.7W, 24V, POWERED BY REMOTE 24V DC DRIVER. FINISH TO BE SELECTED BY THE ARCHITECT. BEGA 488 302

- PEDESTRIAN LIGHTING NOTES**
1. PEDESTRIAN LIGHTS SHALL BE ORDERED BY THE CONTRACTOR AT LEAST THREE MONTHS IN ADVANCE OF THE SCHEDULED INSTALLATION DATE. CONTACT BRANDON SUTTON AT THE CITY OF CHATTANOOGA 423-643-5919 IN ORDER TO PLACE THE ORDER AND COORDINATE THE PARTNERSHIP AGREEMENT WITH THE CITY.
  2. CONTRACTOR SHALL INSTALL THE STREETSCAPE, INCLUDING ALL CONDUIT AND FOUNDATIONS PER CITY OF CHATTANOOGA STANDARD SD-507.01. CONTRACTOR SHALL ALSO INSTALL PULL BOXES WHICH ARE PROVIDED BY EPB. AFTER THE CONTRACTOR HAS INSTALLED PULL BOXES, CONDUIT, AND FOUNDATIONS, EPB WILL THEN INSTALL THE POLES, FIXTURES, AND PULL THE WIRE.
  3. CONTRACTOR SHALL REFER TO THE CITY OF CHATTANOOGA STANDARD DETAILS FOR ALL APPLICABLE CONSTRUCTION STANDARDS. SD-500 SERIES SHOULD BE USED FOR ALL ROADWAY AND DRIVEWAY RELATED DETAILS. SD-500 SERIES SHOULD BE USED FOR ALL STREETSCAPE STANDARDS.
  4. IF APPLICABLE TO THE PROJECT, THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CHATTANOOGA AND ALL LOCAL UTILITY COMPANIES FOR THE UNDERGROUND RELOCATION OF UTILITY LINES.
  5. CONTRACTOR SHALL MATCH EXISTING SIDEWALK AND GUTTER GRADES WHEREVER PROPOSED CONSTRUCTION MEETS EXISTING.
  6. CONTRACTOR SHALL COORDINATE WITH TOMMY TROTTER AT 423-643-5968 OR ttrotter@chattanooga.gov FOR PLACEMENT AND TIMING OF REVISIONS TO EXISTING TRAFFIC SIGNAL POLES.

- CONTACT LIST**
1. POWER COMPANY POINT OF CONTACT IS:  
MIKE JONES  
EPB  
423-648-3439
  2. WIFI POINT OF CONTACT IS:  
SHANE WALLIN  
423-309-3367



**ELECTRICAL SITE PLAN**  
SCALE: 1"=16'-0"  
NORTH

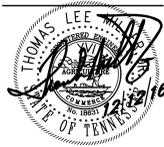
**SMMEDR**  
ESKIEW+DUMEZ+RIPPLE  
A Joint Venture  
SPACKMAN MOSSOP MICHAELS

**MILLER PARK DISTRICT PHASE I**  
CONTRACT NO. R-14-011-201  
CHATTANOOGA, TN

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A Professional Corporation  
Date: 12 DEC 2016

REVISIONS

1	01-08-17 ADDENDUM 1
2	01-18-17 ADDENDUM 2



100% CONSTRUCTION DOCUMENTS  
EDR No: 15003  
Drawn By: J. HORN  
Drawing Title: ELECTRICAL SITE PLAN

Sheet No: **ES1.1**

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PH: (423)698-6675

**GENERAL CITY STREET LIGHTING NOTE**

TYPICAL FOR ALL CITY STREET LIGHTING CIRCUITS. CONDUIT BY CONTRACTOR, WIRING BY EPB. SEE CIVIL. ALL EXISTING CIRCUITS TO BE REMOVED AND REINSTALLED PER CIVIL. CONDUITS TO BE REINSTALLED BY ROUTING THROUGH SOIL CELLS PRIOR TO FINAL PLACEMENT OF SOIL CELLS. SEE LANDSPACE DETAILS AND COORDINATE WITH GC AND SOIL CELL PROVIDER. SOIL CELLS MAY REQUIRE ADJUSTMENT IN ORDER TO PROVIDE A STRAIGHT CONDUIT PATH. IF THIS CANNOT BE ACCOMPLISHED REINSTALL LIGHTING CIRCUIT BELOW BOTTOM OF SOIL CELLS (GREATER THAN 4 FEET DEEP). COORDINATE ALL WORK WITH EPB.

**GENERAL SITE NOTES**

1. ALL CONDUCTOR SIZES SHOWN ARE BASED ON THE NEC AMPACITIES OF COPPER CONDUCTORS. TYPE THW UNLESS OTHERWISE NOTED.
2. ALL UNDERGROUND WIRING IS TO BE INSTALLED IN SCHEDULE 40 PVC CONDUIT PER THE WRITTEN SPECIFICATIONS. RIGID STEEL ELBOWS ARE TO BE USED ON THE CONDUIT WHEREVER IT TURNS UP AND EXITS THE GROUND.
3. THE CONTRACTOR SHALL SUPPLY A SEPARATE GREEN INSULATED GROUND WIRE IN ALL RUNS OF PVC CONDUIT, WHETHER SHOWN ON THE DRAWINGS OR NOT.
4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL CONCRETE AND RELATED WORK FOR ALL POLE BASES, TRANSFORMER PADS, ETC., WHICH ARE IN HIS SCOPE OF WORK.
5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVISION OF ELECTRICAL WIRING AND ASSOCIATED EQUIPMENT REQUIRED TO PROVIDE SERVICE TO ALL PV/LV SIGN.
6. ALL WORK IS TO COMPLY WITH THE LATEST VERSION OF THE NEC AND ALL APPLICABLE STATE, LOCAL AND MUNICIPAL CODES.
7. THE ELECTRICAL CONTRACTOR IS TO COORDINATE ALL OF HIS WORK WITH ALL OF THE OTHER DISCIPLINES AND TRADES: WATER, SEWER, STORM DRAINAGE, ETC. ROUTING TAKE PRECEDENCE OVER THE ELECTRICAL WIRE AND CONDUIT ROUTING. THE ELECTRICAL CONTRACTOR IS TO RELOCATE OR REROUTE AS REQUIRED TO CLEAR SUCH.
8. COORDINATE ALL SITE WORK WITH CIVIL DRAWINGS.
9. COORDINATE ALL DEMOLITION WITH UTILITY COMPANIES.
10. SEE ARCHITECTS PHASING SCHEME FOR OTHER PERTINENT INFORMATION. THE ELECTRICAL CONTRACTOR IS TO PERFORM ALL WORK IN THE SEQUENCE REQUIRED BY THAT SCHEDULE AND PROVIDE ALL TEMPORARY SERVICES (10 OR 30, DISCONNECTS, POLES, METER BASES, ETC.) AS REQUIRED BY OWNER.

**UTILITY SUPPLY NOTES**

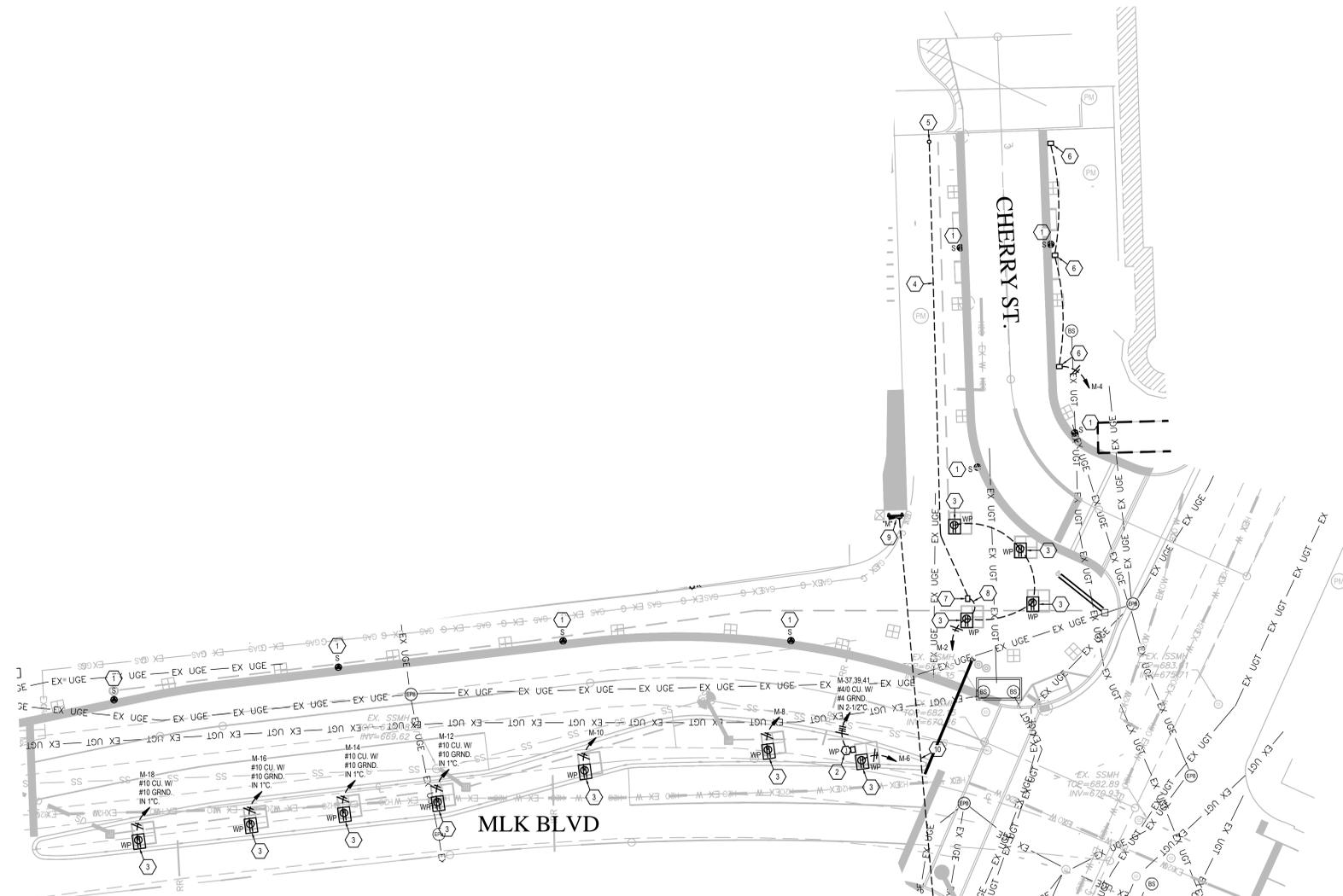
1. ALL UTILITY SERVICES SHOWN ARE FOR SCHEMATIC REPRESENTATION ONLY. NO EXPRESSED OR IMPLIED GUARANTEE IS GIVEN AS TO THE EXACT LOCATION, GRADE OR ELEVATION OF THE ABOVE MENTIONED ITEMS. ACTUAL LOCATIONS ARE TO BE BASED ON UTILITY COMPANY AND OWNER INSTRUCTIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH THE PRIMARY AND SECONDARY SERVICES AND METER INSTALLATION FEES. IF THE CONTRACTOR CANNOT DETERMINE THE PRIMARY SERVICE FEES TO BE APPLIED BY THE POWER COMPANY, THEN HE IS TO INCLUDE A LETTER IN HIS BID SPECIFICALLY STATING THAT THESE COST HAVE NOT BEEN INCLUDED IN THE BID BUT WILL BE ADDITIONS TO THE CONTRACT WHEN DETERMINED BY THE UTILITY.
3. BECAUSE OF ALL OF THE ABOVE REASONS, ALL ELECTRICAL CONTRACTORS DESIRING TO BID ON THIS PROJECT ARE REQUIRED TO VISIT THE JOB SITE PRIOR TO BIDDING SO THAT THEY MAY BECOME FAMILIAR WITH ALL CIRCUMSTANCES WHICH WILL AFFECT THE ELECTRICAL WORK. CONTRACTORS ARE TO INCLUDE ALL REQUIRED COST TO PROVIDE A COMPLETE, FUNCTIONAL AND CODE COMPLIANT ELECTRICAL INSTALLATION.
4. CONTRACTOR SHALL INCLUDE OVERTIME AND AFTER HOURS PREMIUM LABOR CHANGES IN HIS BID AS REQUIRED TO COMPLETE THE INSTALLATION OF THIS PROJECT IN ACCORDANCE PROJECT IN ACCORDANCE WITH THE ARCHITECTS SCHEDULE.
5. COORDINATE JOINT USE AGREEMENT WITH TELEPHONE, CATV AND POWER CO. FOR UNDERGROUND SERVICE TO BUILDING.
6. CONTRACTOR TO ALSO INCLUDE ANY COST FOR SERVICE TO BUILDING ASSOCIATED WITH UTILITIES OTHER THAN POWER.
7. ALL REQUIRED 90° ELBOWS OF UTILITY CONDUITS TO BE OF SWEEPING TYPE AND RIGID (NOT PVC).
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH TEMPORARY POWER SERVICES FROM THE LAST POWER CO. POWER OR DEMARCATION POINT TO TEMPORARY DISCONNECTING DEVICES, WIRING AND METER CHANGES FOR EITHER SINGLE PHASE OR 3-PHASE AS REQUIRED.

**CONTACT LIST**

1. POWER COMPANY POINT OF CONTACT IS:  
MIKE JONES  
EPB  
423-648-3439

**ELECTRICAL KEYED NOTES**

1. CITY STREETScape POLE LIGHT, PROVIDED BY CONTRACTOR, INSTALLED BY CITY. CONTRACTOR TO PROVIDE ALL REQUIRED CONDUIT FOR CIRCUIT AND INSTALL HAND HOLE QUARTZITE BOX AT EACH POLE. HAND HOLE BOXES PROVIDED BY EPB. EPB WILL NEED AN AUTHORIZATION FROM RICK GREGG TO CREATE A WORK ORDER SO THAT THE HAND HOLE BOXES CAN BE ISSUED TO THE CONTRACTOR. ALSO PROVIDE POLE BASE PER DETAIL. RUN DITCH AND CONDUIT FOR POWER TO NEAREST NETWORK CONNECTION POINT. SEE LANDSPACE ARCHITECT FOR POWER AND CONDUIT ROUTING. SEE LANDSPACE ARCHITECT FOR POLE BASE DETAIL. SEE CIVIL DETAILS FOR RELATIONSHIP OF EPB PULL BOX AND UNDERGROUND LANDSCAPE SOIL CELLS, WHICH ARE INSTALLED BELOW HAND HOLES. ALL CONDUITS FOR THE CITY STREETScape LIGHTING CIRCUIT ROUTE BELOW THE BOTTOM OF THE SOIL CELLS (DEEPER THAN 48" VERIFY ACTUAL DEPTH) AND TURN UP VERTICALLY THROUGH THE SOIL BOXES INTO THE BOTTOM OF THE HANDHOLE. COORDINATE WITH LANDSCAPE, CIVIL AND EPB FOLLOW ALL PERTINENT CITY DETAILS. A SPREAD FOOTER DETAIL IS AVAILABLE. CONDUIT MAY BE RAN THROUGH SOIL CELLS IN LIEU OF BELOW. COORDINATE CONDUIT INSTALLATION WITH GENERAL CONTRACTOR AT TIME OF SOIL CELL INSTALLATION. SEE CIVIL AND LANDSCAPE DETAILS. REFER TO GENERAL CITY STREET LIGHTING NOTE ON THIS SHEET AND SUBMIT RFI FOR ANY ISSUES PRIOR TO WORK.
2. 24" X 18" OPEN BOTTOM QUARTZITE BOX WITH WALK OVER RATED COVER. FIELD COORDINATE LOCATION OF BOXES WITH LANDSCAPE ARCHITECT. PROVIDE POLARIS TAP BLOCKS ON ENDS OF EACH CABLE TO FACILITATE FUTURE HARDWIRED CONNECTIONS TO TEMPORARY EVENT POWER PANELS.
3. WEATHERPROOF BOX FLUSH IN GRADE. BOX TO HAVE TWO OUTLETS. OUTLETS MOUNTED IN WIREMOLD #XB14C20GY GROUND BOX WITH UL50E TYPE 6P & IP68 RATING. CONTACT ROBERT GREGG AT 615-525-6785. FOLLOW ALL MANUFACTURER INSTALLATION INSTRUCTIONS.
4. FIELD VERIFY ROUTING OF 1" FOR LOW VOLTAGE TO ART WORK. PROVIDE PULL STRING. COORDINATE ROUTING WITH THE EXISTING UTILITIES.
5. GENERAL STUB UP LOCATION FOR NOTE 4 CONDUIT. CAP OFF FOR FUTURE EXTENSION TO RIVER CITY COMPANY BUILDING.
6. OUTDOOR POWER PEDESTAL (LEGAND XCSPP20RUS1). PROVIDE 120V CONNECTION AT BASE. WIRE AS PER MANUFACTURER SPECS. STATION IS 8" WIDE, 6" DEEP, & 34" TALL. PEDESTAL IS EQUIPPED WITH ONE EACH 20A GFCI RECEPTACLE & ONE EACH 4-PORT 4-2A USB OUTLET. CONDUIT STUBS UP INTO BASE OF STATION A MINIMUM OF 8". PROVIDE CONCRETE BASE. INSTALL AS PER MANUFACTURER SPECS. VERIFY STATION FINISH PRIOR TO ORDER. STATION TO STAND AT END OF BENCH. COORDINATE LOCATION WITH LANDSCAPE ARCHITECT.
7. LOCATION FOR FUTURE DECORATIVE ART PIECE. CONTRACTOR TO AN EMPTY 1" (WITH PULL ROPE) TO STAGE BUILDING FOR DATA. TERMINATE IN BOX FLUSH IN GRADE. CONDUIT STUBS UP AT COMMUNICATIONS BACKBOARD. LABEL BOTH ENDS OF ROPE.
8. RUN AN EMPTY 1" (WITH PULL STRING) FROM NOTE 7 BOX TO ADJACENT BOX WITH POWER FOR FUTURE POWER CONNECTION AT NOTE 7.
9. PANEL & METER TO MOUNT IN PIPE & STRUT RACK. SET RACK AS CLOSE TO EXISTING EXISTING BRICK WALL AT MILLER PLAZA. SEE RISER DIAGRAM. USE MINIMUM HEIGHT AND SIZE OF STRUCTURE AS ALLOWED BY CODE OR EPB.
10. UNDERGROUND SERVICE FEED FROM EXISTING EPB VAULT (SEE KEY NOTE 7 ON SHEET ES1-1). SEE SHEET ES1-1 & RISER DIAGRAM.



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