

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 000201 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 10th and Market St.
- G. C503, Revised location of proposed pedestrian light pull boxes. Updated background based on new curb ramps. Relocate FH at 10th 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 LinesL7.6 - 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 10th street. Added "General City Street Lighting Note". Added two street lighting poles on Market Street near 10th 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
01010	General Conditions				
01010-1	General Conditions, including mobilization, management, temporary facilities and controls, and all overhead expenses required to supervise and complete the Work.	1	LS		
033000	Steel and Concrete Retaining Wall				
033000-1	Steel and Concrete Retaining Wall along 10th Street at stage	83	LF		
044300	Stone Masonry				
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		
055213	Pipe & Tube Railings & Bike Racks				
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		
055800	Formed Metal Fabrications				
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		
129300	Site Furnishings				
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		

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
260500	Common Work Results for Electrical				
260500-1	New Traffic Signal Pole, Heads,	1	EA		
260500-2	Secondary Power	400	LF		
265600	Exterior Lighting				
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		
311000	Site Clearing & Demolition				
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		

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
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		
312000	Earthwork				
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 containedment soil to a legal disposal site	200	CY		
312000-8	Excavate and place undercut containedment soil to cap below grade onsite (excavation above subgrade is included in common	50	CY		
321216	Hot-Mix Asphalt Paving				
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		
321313	Portland Cement Concrete Paving				
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		

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
321400	Unit Paving				
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		
321500	Aggregate Surfacing				
321500-1	Stabilized Decomposed Granite	104	SF		
321500-2	Steel Landscape Edging	58	LF		
324000	Stone Outcrop				
324000-1	Stone Outcrop	1	LS		
328400	Planting Irrigation				
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		
329100	Planting Soils				
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		
329200	Turf and Grasses				
329200-1	Sod	25,500	SF		
329300	Plants				
329300-1	<i>Amelanchier x grandiflora</i> 'Autumn Briliance'- 3" Cal.	7	EA		
329300-2	<i>Carpinus caroliniana</i> - 3" Cal.	2	EA		
329300-3	<i>Cladrastis kentucke</i> a- 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		

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
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		
329451	Soil Cells				
329451-1	Two-Layer Soil Cell System and all required components	1,634	EA		
331000	Water Distribution System				
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		
333000	Sanitary Sewer System				
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		

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
334000	Storm Drainage				
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		

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
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		
SI	SUPPLEMENTAL INFORMATION				
SI-001	Stage Pavilion				
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		
SI-002	Fountain				
SI-002-1	Fountain	1	LS		
SI-003	Roadway				
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		
SI-004	Special Waste				
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		
SI-005	Incentive Payment				
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
CONTRACT R-14-011-101 SUBTOTAL					

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
ALT-001	Add Alternate No. 1				
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		
CONTRACT SUBTOTAL WITH ALTERNATE 1					

ALT-002	Add Alternate No. 2				
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		
CONTRACT SUBTOTAL WITH ALTERNATE 2					

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.

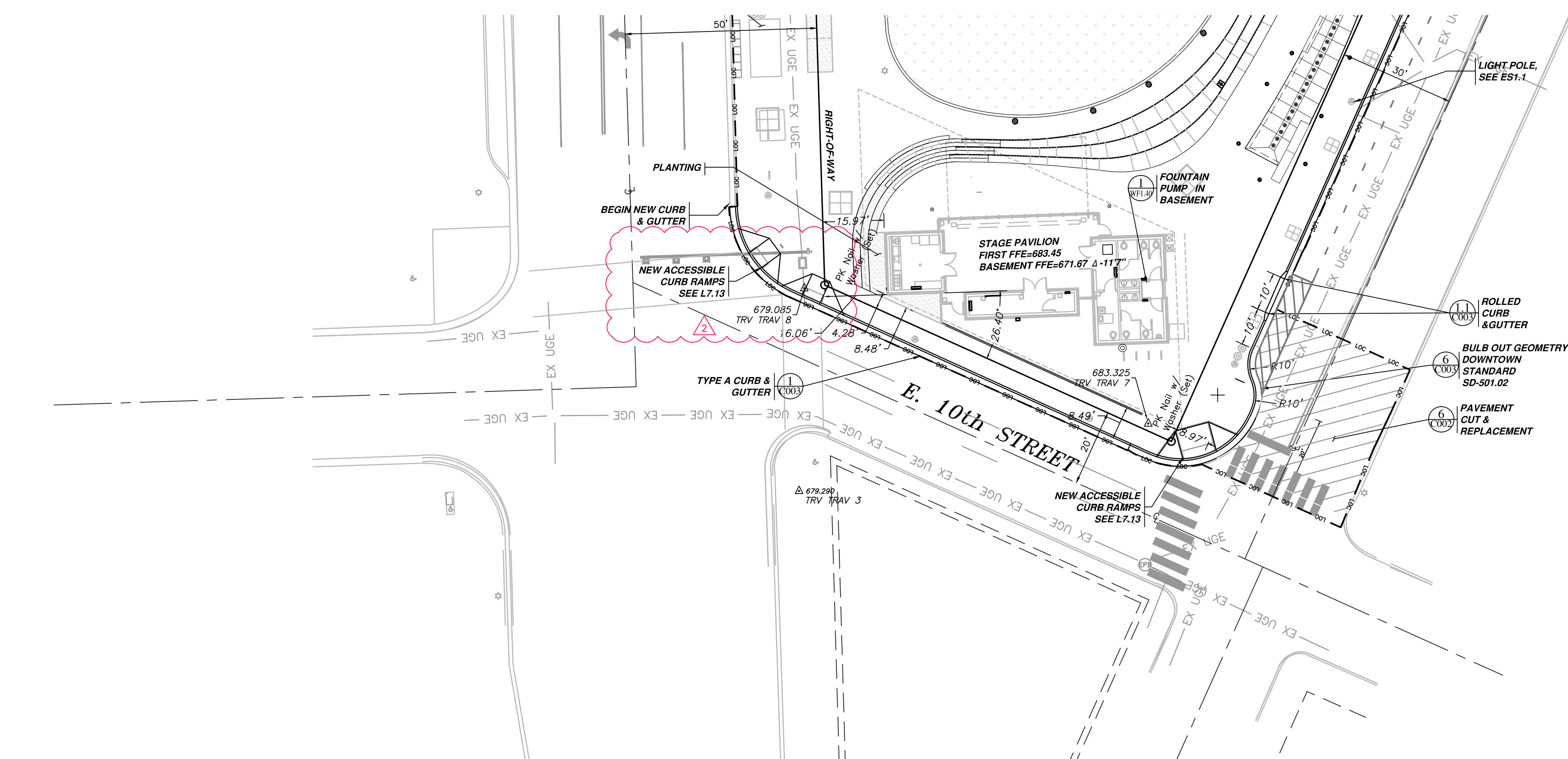
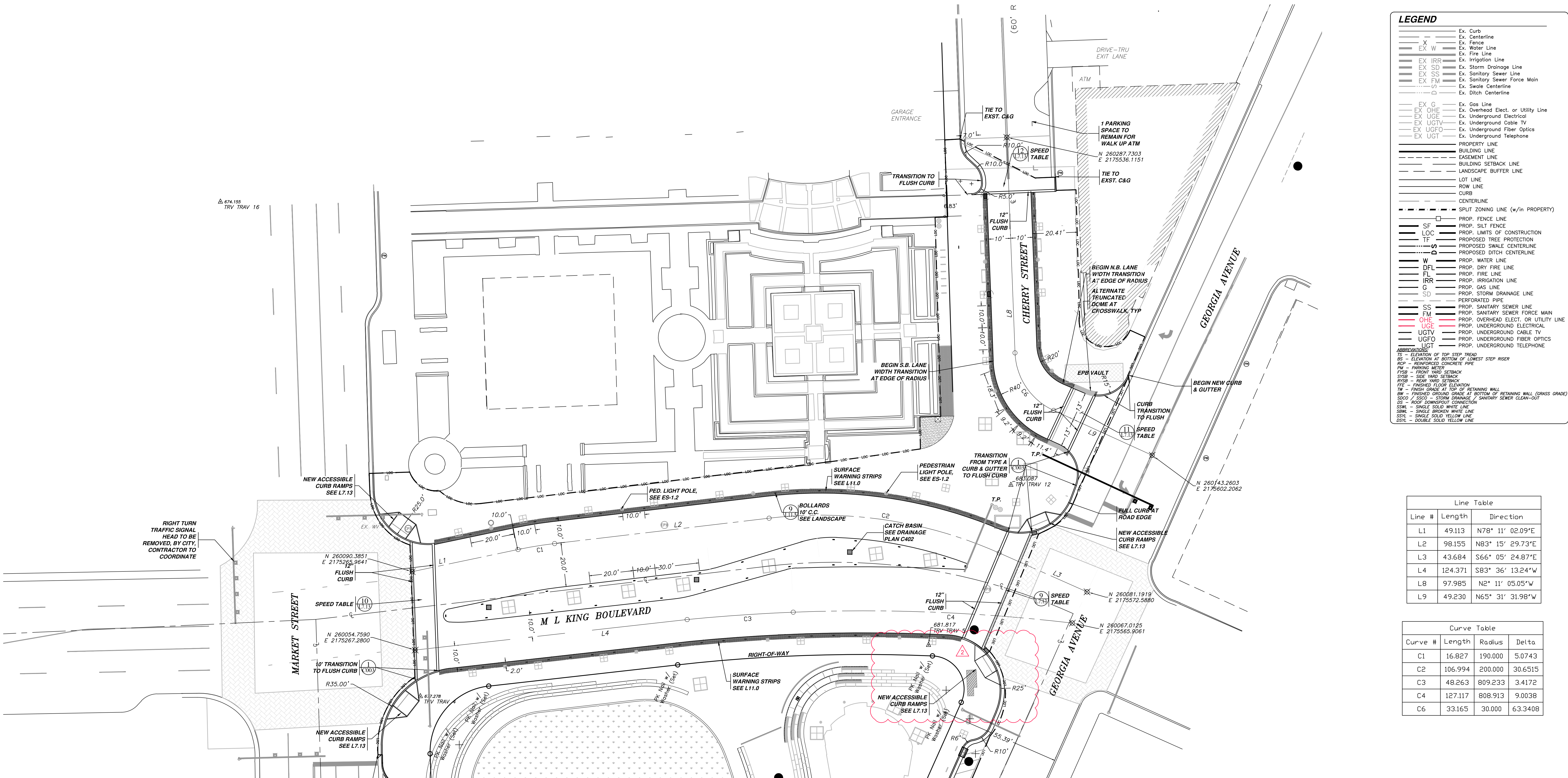
The following questions in writing prior to the stated deadline for questions.

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	<p>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.</p> <p>The specification States: Impact Resistance Performance: Shall be tested in accordance with ASTM E1886, information in ASTM E1996, and TAS 201/203.</p> <p>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?</p>	<p>Proceed with Kawneer regardless of unavailable data:</p> <p>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</p>	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. Curb	Ex. Centerline	Ex. Fence	Ex. Fire Line	Ex. Irrigation Line	Ex. Storm Drainage Line	Ex. Sanitary Sewer Line	Ex. Sanitary Sewer Force Main	Ex. Swale Centerline	Ex. Ditch Centerline
Ex. Gas Line	Ex. Overhead Elect. or Utility Line	Ex. Underground Electrical	Ex. Underground Cable TV	Ex. Underground Fiber Optics	Ex. Underground Telephone	Property Line	Building Line	Building Setback Line	Landscaping Buffer Line
Lot Line	Row Line	Curb	Centerline	Split Zoning Line (w/in Property)	Prop. Fence Line	Prop. Silt Fence	Prop. Limits of Construction	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	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	Prop. Flooded Road Elevation	Prop. Finish Grade at Top of Retaining Wall (Grass Grade)	Prop. Finish Grade at Bottom of Retaining Wall (Grass Grade)	Prop. Storm Drainage / Sanitary Sewer Clean-Out	Prop. Storm Drainage / Sanitary Sewer Clean-Out	Prop. Single Broke Yellow Line
Prop. Double Broke Yellow Line	Prop. 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:

- PEDESTRIAN LIGHTS SHALL BE ORDERED BY THE CONTRACTOR AT LEAST THREE MONTHS IN ADVANCE OF THE SCHEDULED INSTALLATION DATE. CONTRACTOR SHALL ORDER LIGHTS AT THE CITY OF CHATTANOOGA (423-643-5913) IN ORDER TO PLACE AND COORDINATE THE PARTNERSHIP AGREEMENT WITH THE CITY.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL MATCH EXISTING SIDEWALK GRADES WHEREVER PROPOSED CONSTRUCTION MEETS EXISTING.
- CONTRACTOR SHALL COORDINATE WITH TOMMY TROTTER 423-643-5958 ttrotter@chattanooga.gov FOR PLACEMENT AND TIMING OF REVISIONS TO EXISTING TRAFFIC SIGNAL POLES.

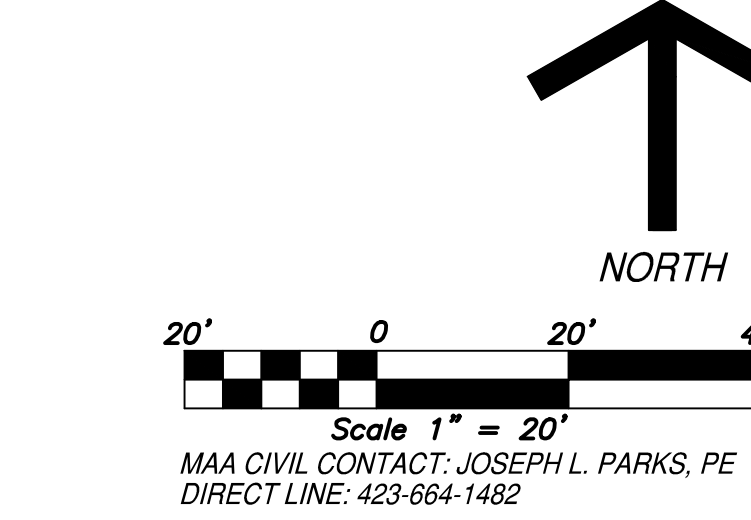
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MILLER PARK DISTRICT PHASE I
CONTRACT NO. R-14-011-201
CHATTANOOGA, TN

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Date: 12 DEC 2016
REVISIONS
1 01-08-17 ADDENDUM 1
2 01-18-17 ADDENDUM 2

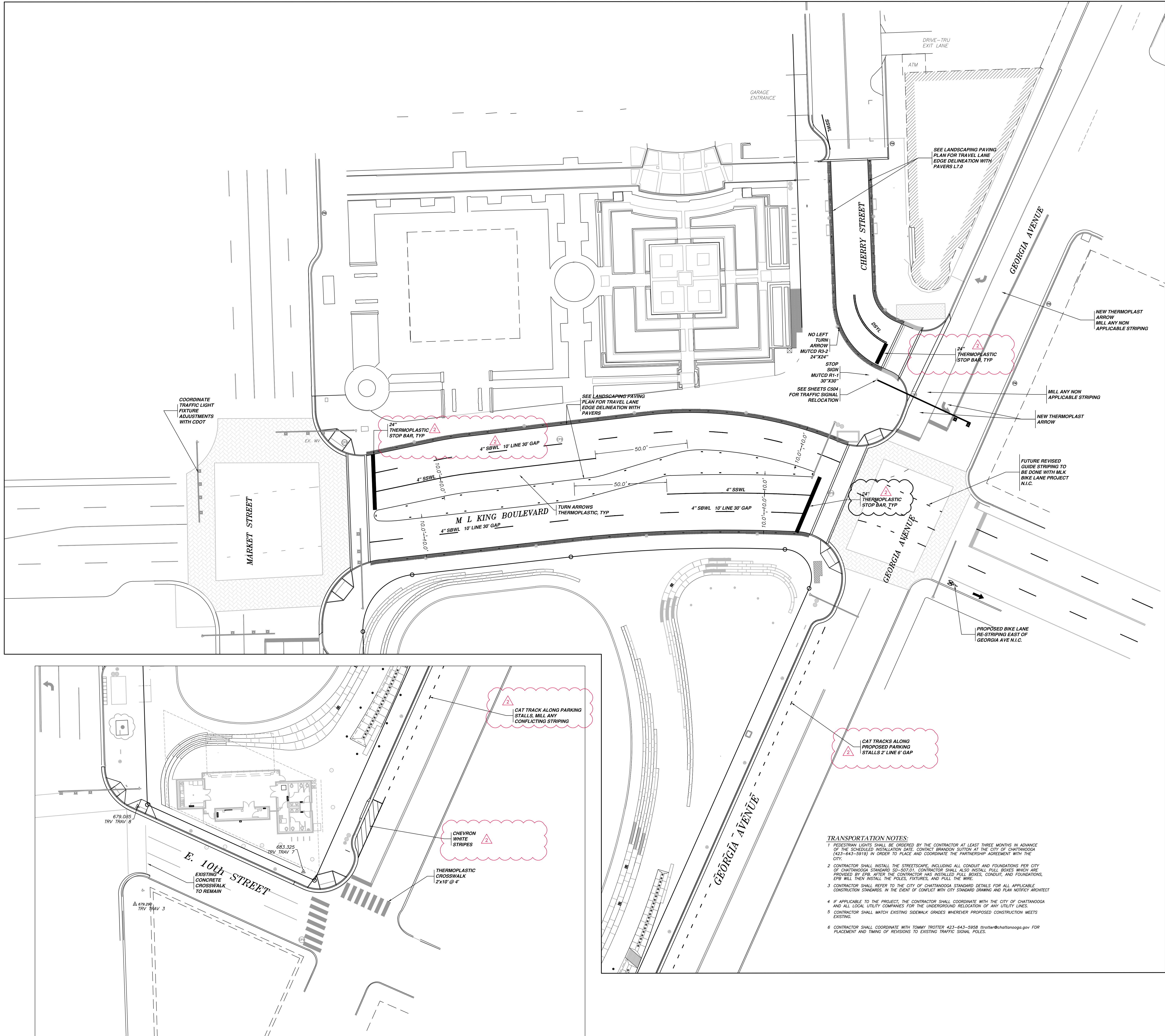


100% CONSTRUCTION DOCUMENTS
EDR No: 15003
Drawn By: JP
Drawing Title: ROADWAY STAKING PLAN



MAA
March Adams & Associates
Consulting Engineers
310 Dadds Ave.
P.O. Box 3689
Chattanooga, Tennessee 37404
PH: (423) 698-6675
MAA P: 15370

Sheet No: C101

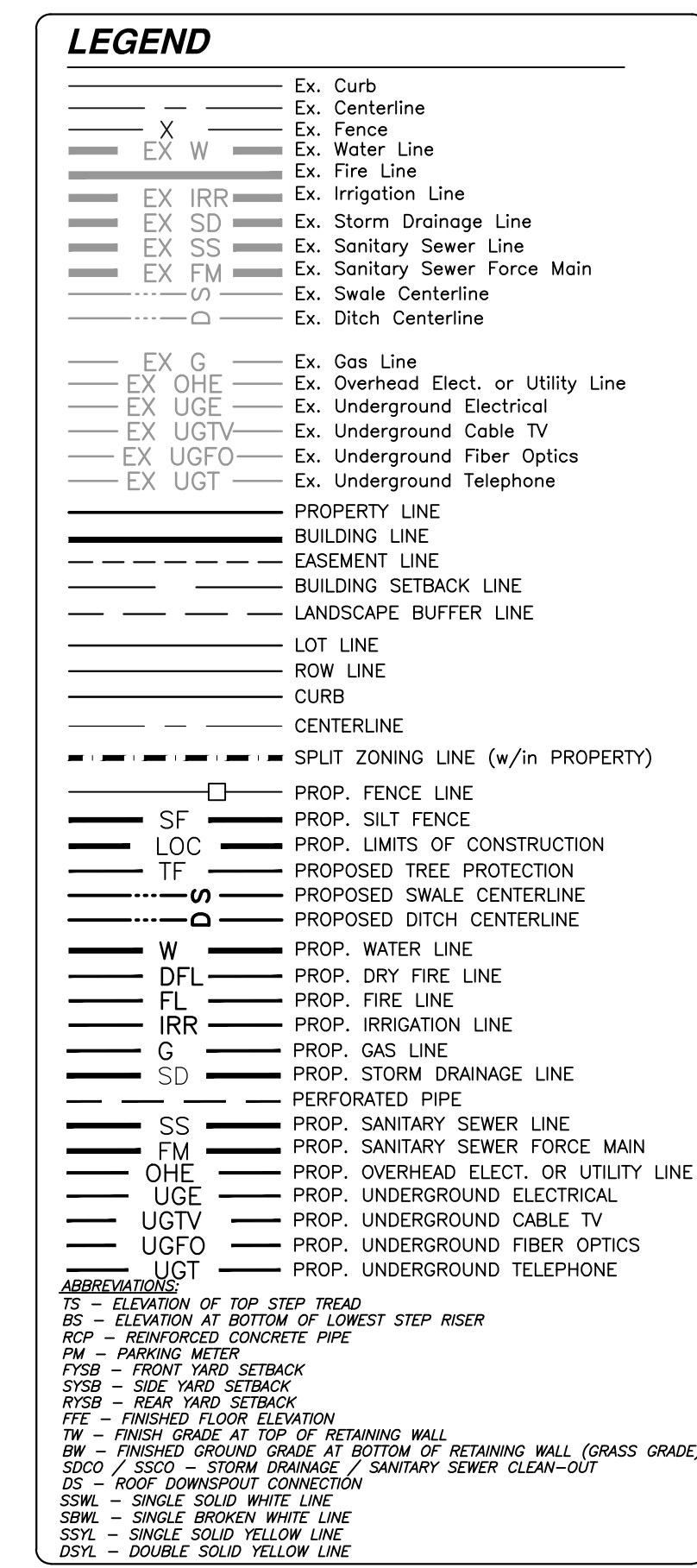


LEGEND	
---	Ex. Curb
---	Ex. Centerline
---	Ex. Fence
---	Ex. Fire Line
---	Ex. Irrigation Line
---	Ex. Storm Drainage Line
---	Ex. Sanitary Sewer Line
---	Ex. Sanitary Sewer Force Main
---	Ex. Swale Centerline
---	Ex. Ditch Centerline
---	Ex. Gas Line
---	Ex. Overhead Elect. or Utility Line
---	Ex. Underground Electrical
---	Ex. Underground Cable TV
---	Ex. Underground Fiber Optics
---	Ex. Underground Telephone
---	PROPERTY LINE
---	BUILDING LINE
---	EASEMENT LINE
---	BUILDING SETBACK LINE
---	LANDSCAPE BUFFER LINE
---	ROW LINE
---	CURB
---	CENTERLINE
---	SPLIT ZONING LINE (w/in PROPERTY)
---	PROP. SILT FENCE
---	LOC
---	PROP. LIMITS OF CONSTRUCTION
---	PROP. TREE PROTECTION
---	PROP. SWALE CENTERLINE
---	PROP. 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

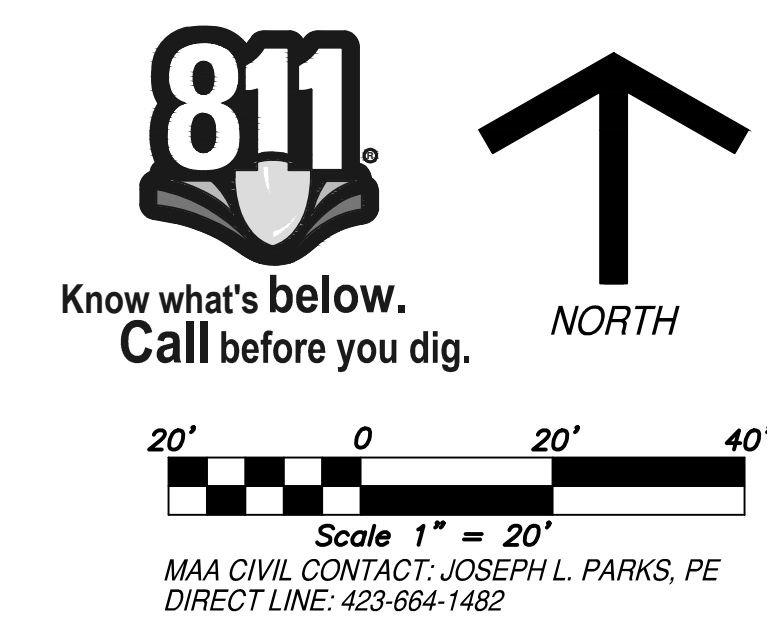
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REVISIONS	
1 01-28-17 ADDENDUM 1	
2 01-18-17 ADDENDUM 2	



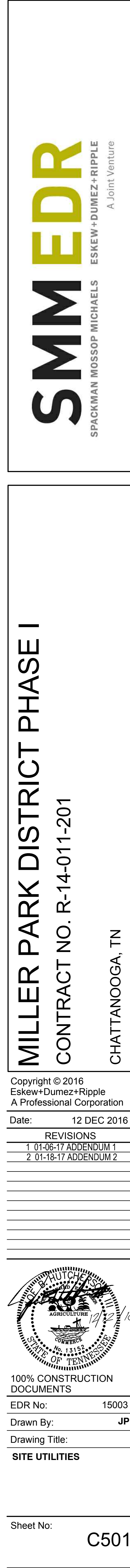
100% CONSTRUCTION DOCUMENTS
EDR No: 15003
Drawn By: JP
Drawing Title: ROADWAY STRIPING PLAN



SPECIAL NOTE: EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE. EXISTING UNDERGROUND UTILITIES (NOT SHOWN ON THESE DRAWINGS) MAY BE PRESENT IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING EXCAVATION. SHOULD THE CONTRACTOR UNCOVER UNKNOWN UTILITIES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SOURCE AND DISCHARGE OF THE UNKNOWN UTILITIES AND CONTACT THE OWNER AND ENGINEER PRIOR TO CONTINUING CONSTRUCTION.



Sheet No: C201





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 423.643.5932.

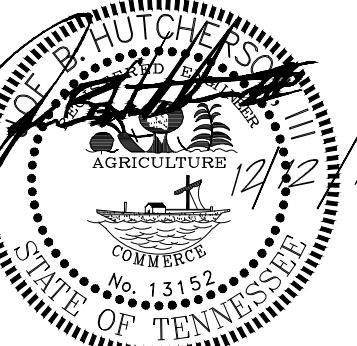


MAA CIVIL CONTACT, JOSEPH L. PARKS, PE
DIRECT LINE: 423-694-1482
310 Dadds Ave.
P.O. Box 3689
Chattanooga, Tennessee 37404
PH: (423)698-6675
Consulting Engineers MAA # 15370

SMMEDR
ESKEW+DUMEZ+RIPPLE
A Joint Venture
SPACKMAN NOSSOP MICHAELS

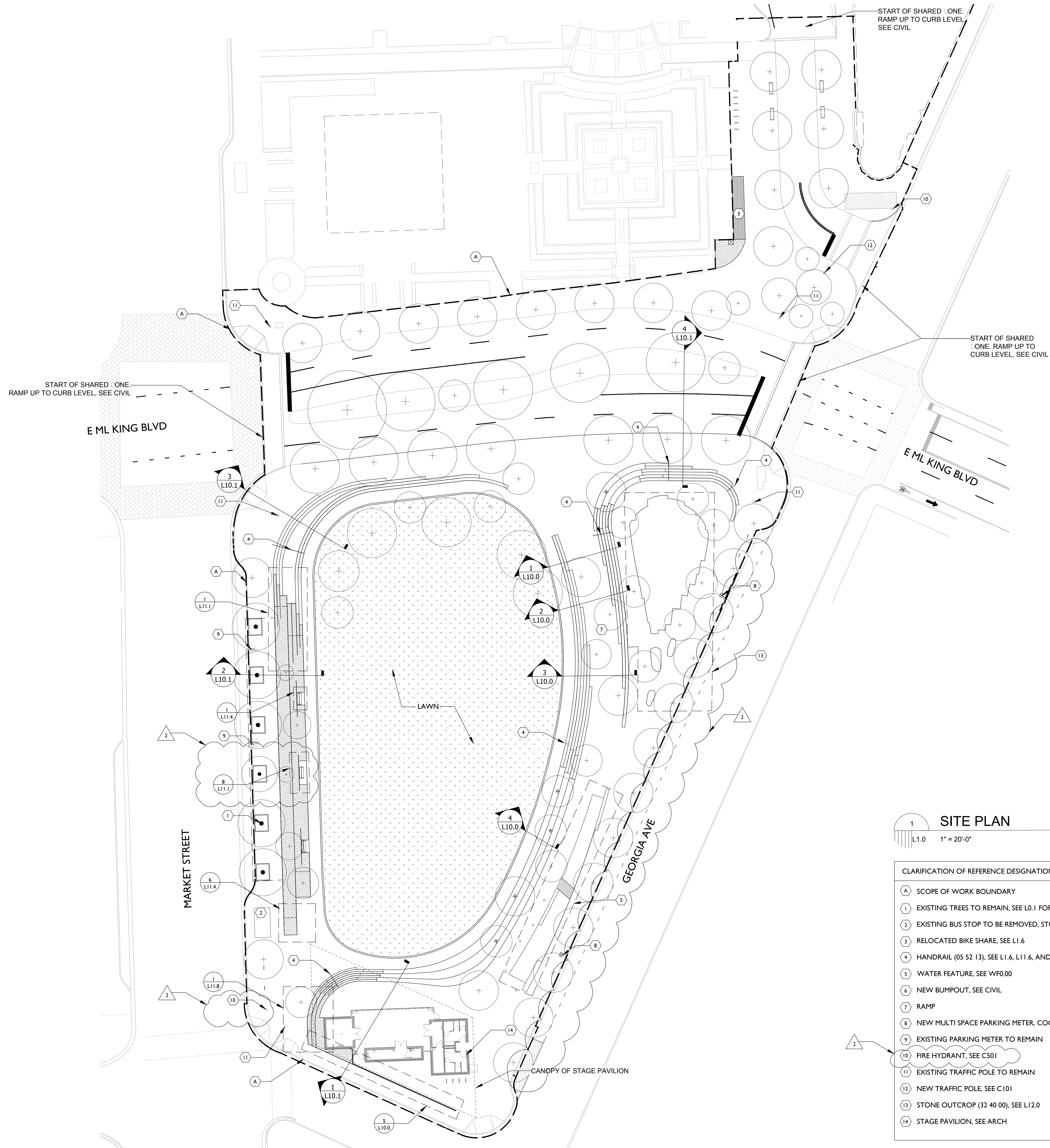
MILLER PARK DISTRICT PHASE I
CONTRACT NO. R-14-011-201
CHATTANOOGA, TN

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Date: 12 DEC 2016
REVISIONS
0: 01-18-17 ADDENDUM 2



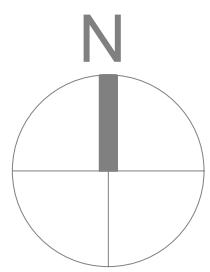
100% CONSTRUCTION
DOCUMENTS
EDR No: 15003
Drawn By: JP
Drawing Title:
**TRAFFIC CONTROL PLAN
ALTERNATIVE #1**

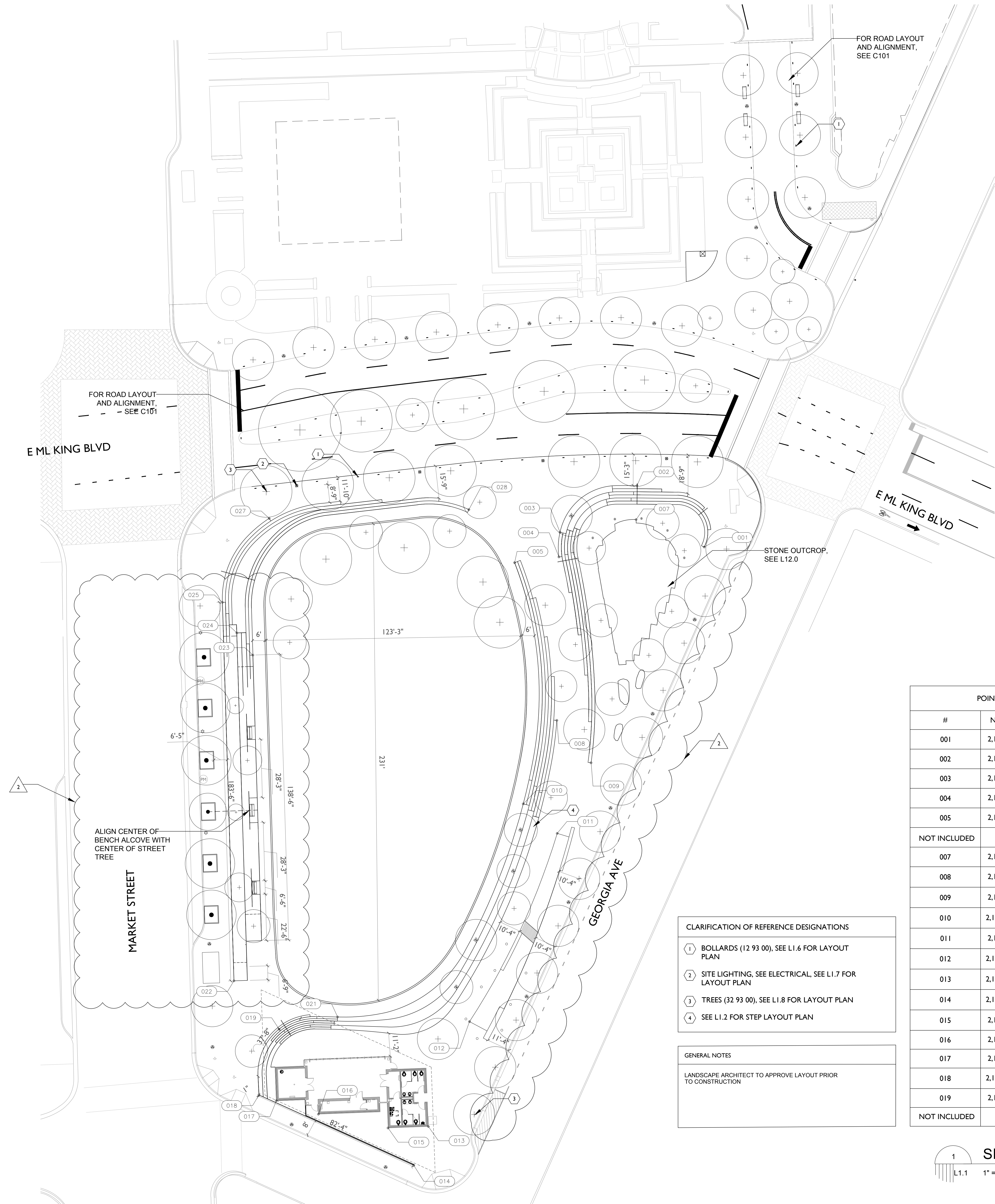
Sheet No: **C701**



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

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





- 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"

MILLER PARK DISTRICT PHASE I

CONTRACT NO. R-14-011-201

CHATTANOOGA, TN

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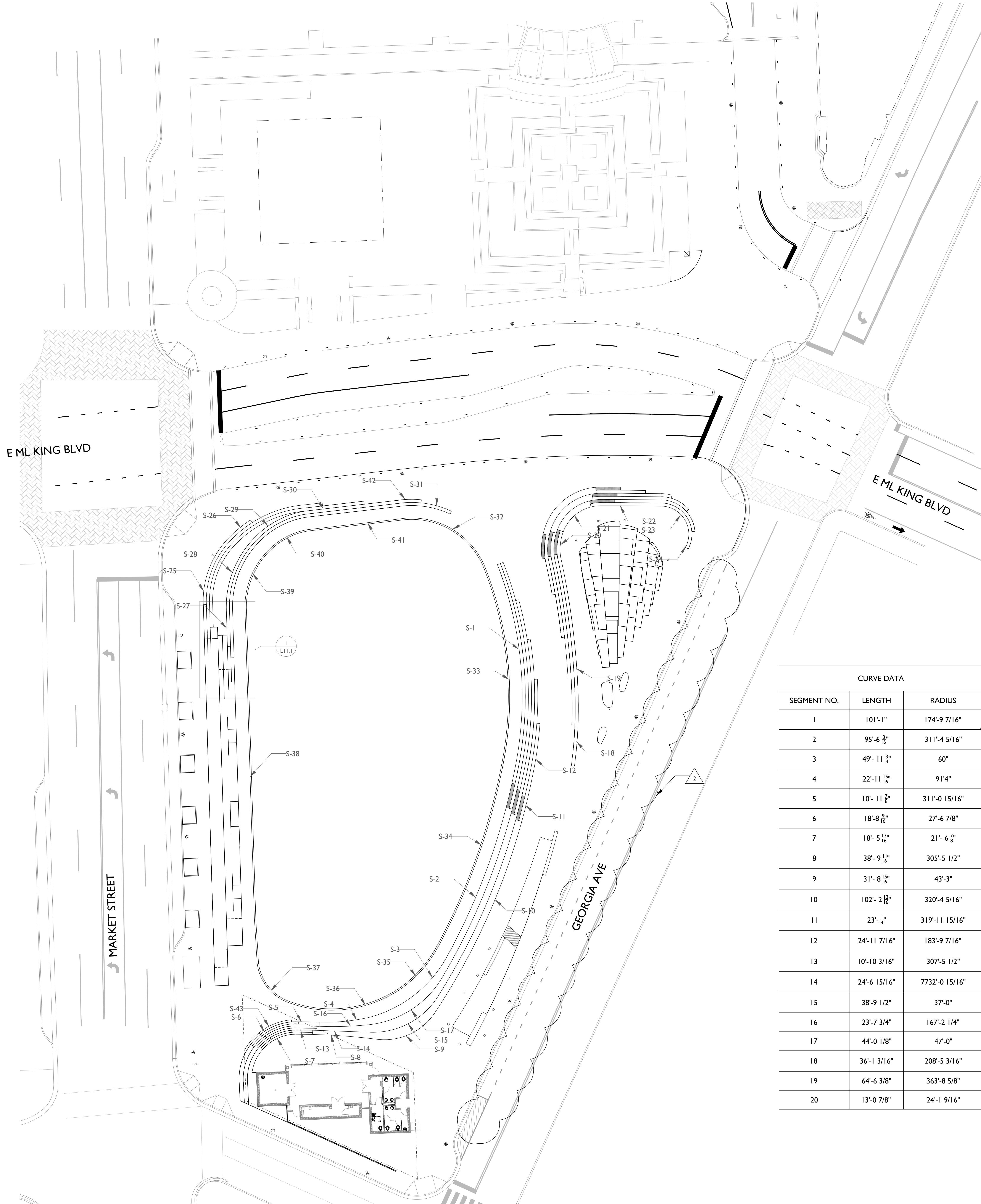


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Drawn By: KB
Drawing Title:
SITE LAYOUT PLAN

Sheet No:

L1.1

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



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 13/16"	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"

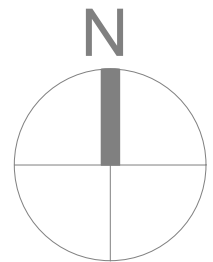
21	23'-1 15/16"	19'-3 1/16"
22	29'-3 3/16"	STRAIGHT
23	26'-8 7/8"	13'-6"
24	1'-1 7/16"	STRAIGHT
25	37'-6 9/16"	43'-3 1/2"
26	11'-3 5/16"	56'-9 5/16"
27	11'-11 1/8"	STRAIGHT
28	38'-9 3/8"	47'-5 13/16"
29	28'-1 3/16"	43'-1 3/4"
30	45'-2 11/16"	STRAIGHT
31	16'-6 1/8"	45'-8 13/16"
32	50'-11 15/16"	38'-2 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"

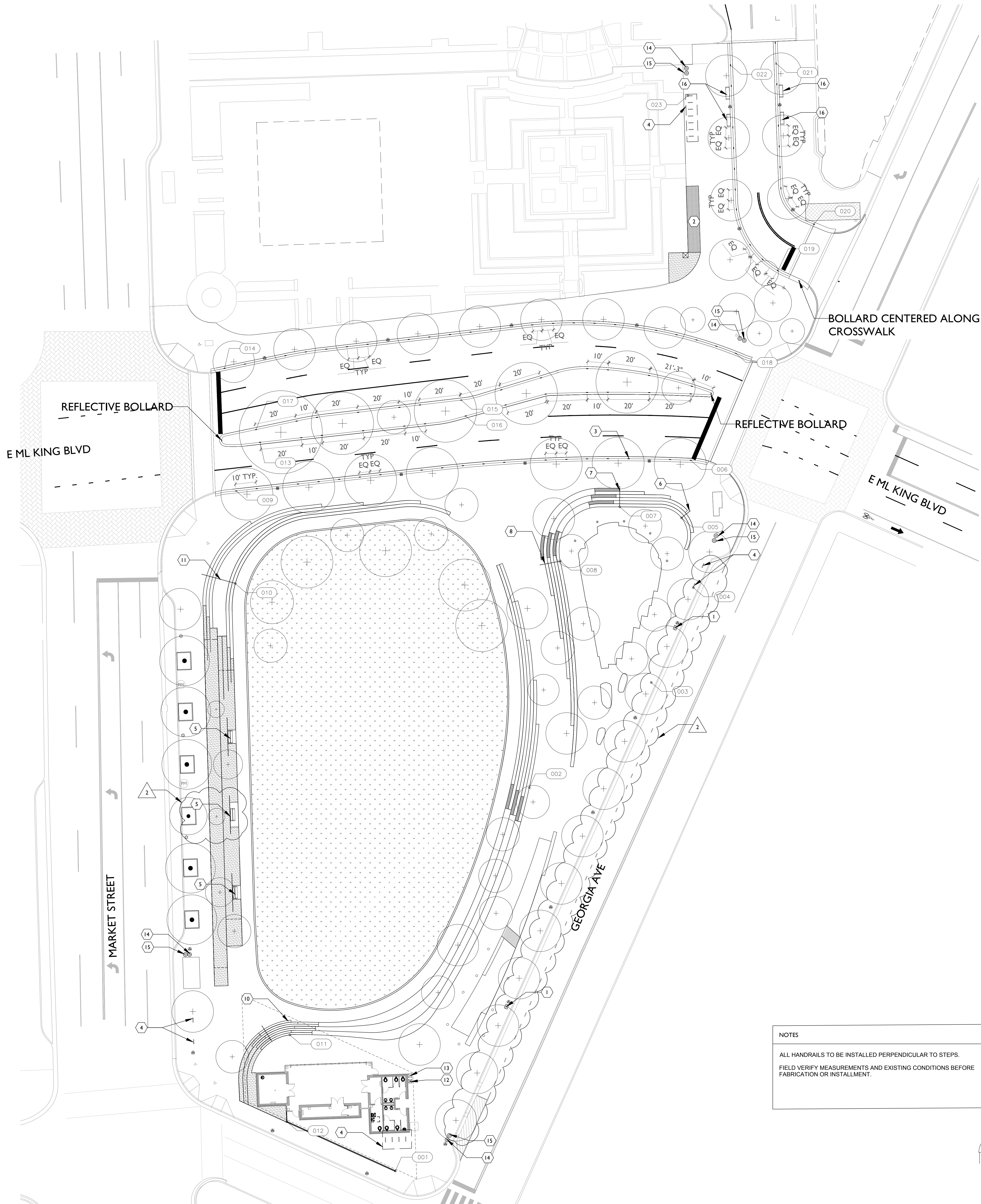
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L1.2

STEP LAYOUT PLAN

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/L11.5

4

BIKE RACK, SEE 1-4/ L11.5 (05 52 13)

5

PARC VUE BENCH, BACKED ARMS (PURCHASED BY CITY, INSTALLED BY CONTRACTOR)

6

HANDRAIL A (05 52 13), SEE 7/L11.6

7

HANDRAIL B (05 52 13),SEE 8/L11.6

8

HANDRAIL C (05 52 13), SEE 8/L11.6

9

NOT IN SET

10

HANDRAIL E (05 52 13), SEE 2/L11.7

11

HANDRAIL F (05 52 13), SEE 3/L11.7

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)

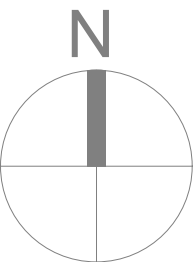
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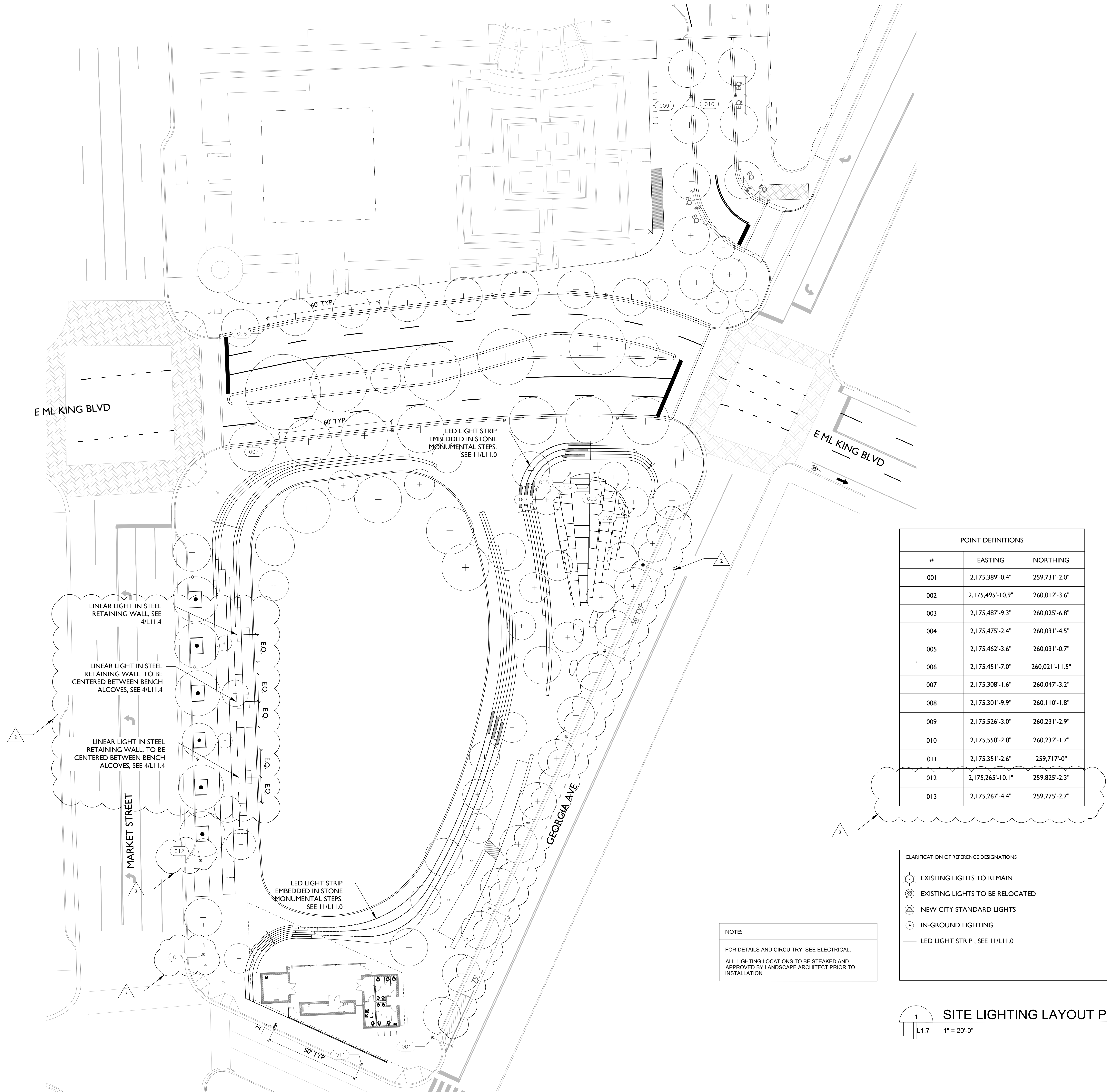
SYMBOL INDICATES BOLLARD DIRECTION

NOTES

ALL HANDRAILS TO BE INSTALLED PERPENDICULAR TO STEPS.

FIELD VERIFY MEASUREMENTS AND EXISTING CONDITIONS BEFORE FABRICATION OR INSTALLMENT.





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"

NOTES

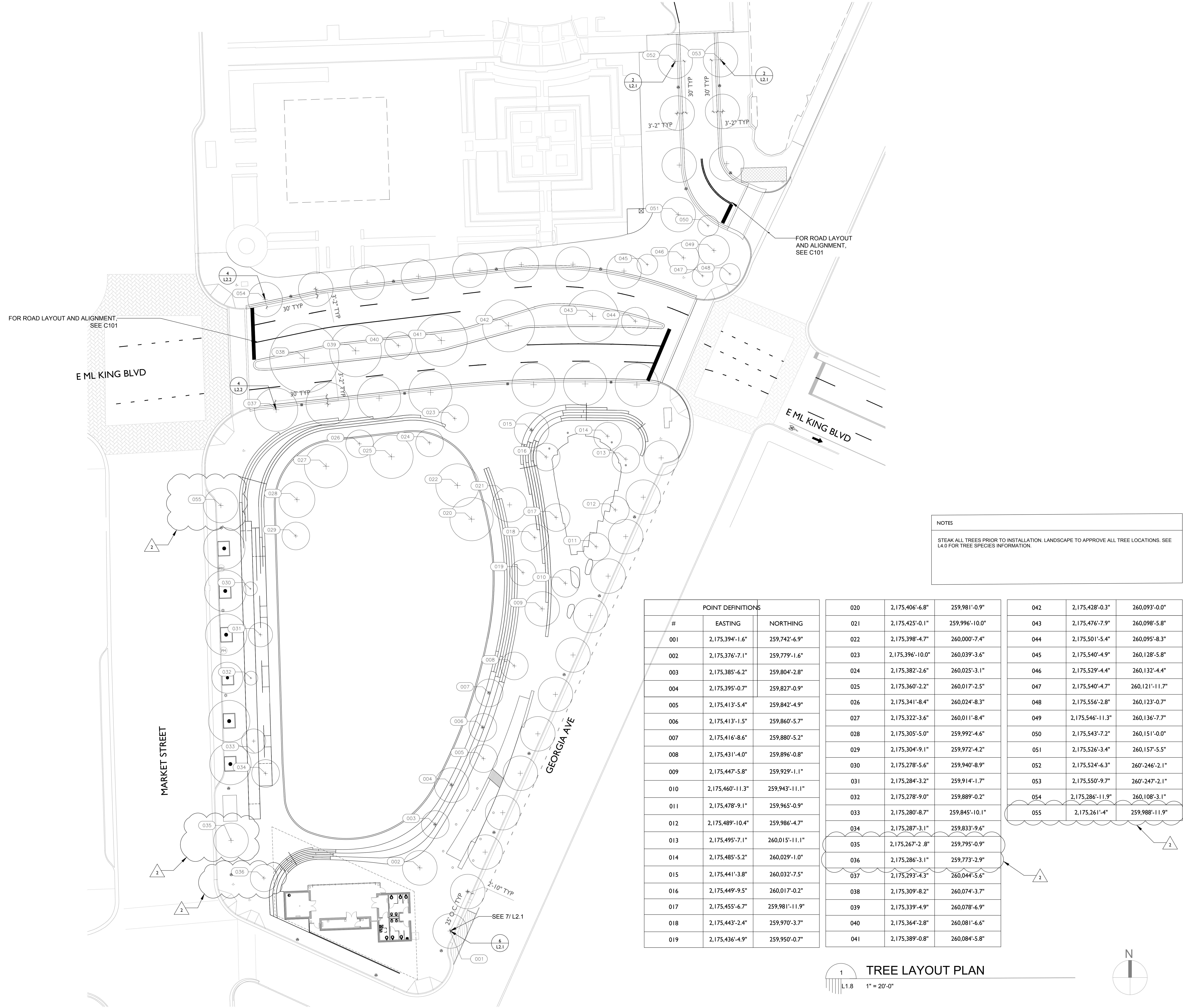
FOR DETAILS AND CIRCUITRY, SEE ELECTRICAL.

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

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

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





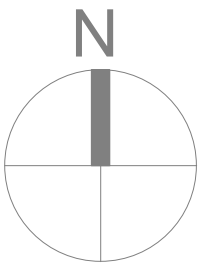
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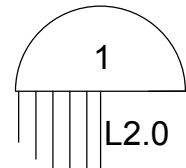
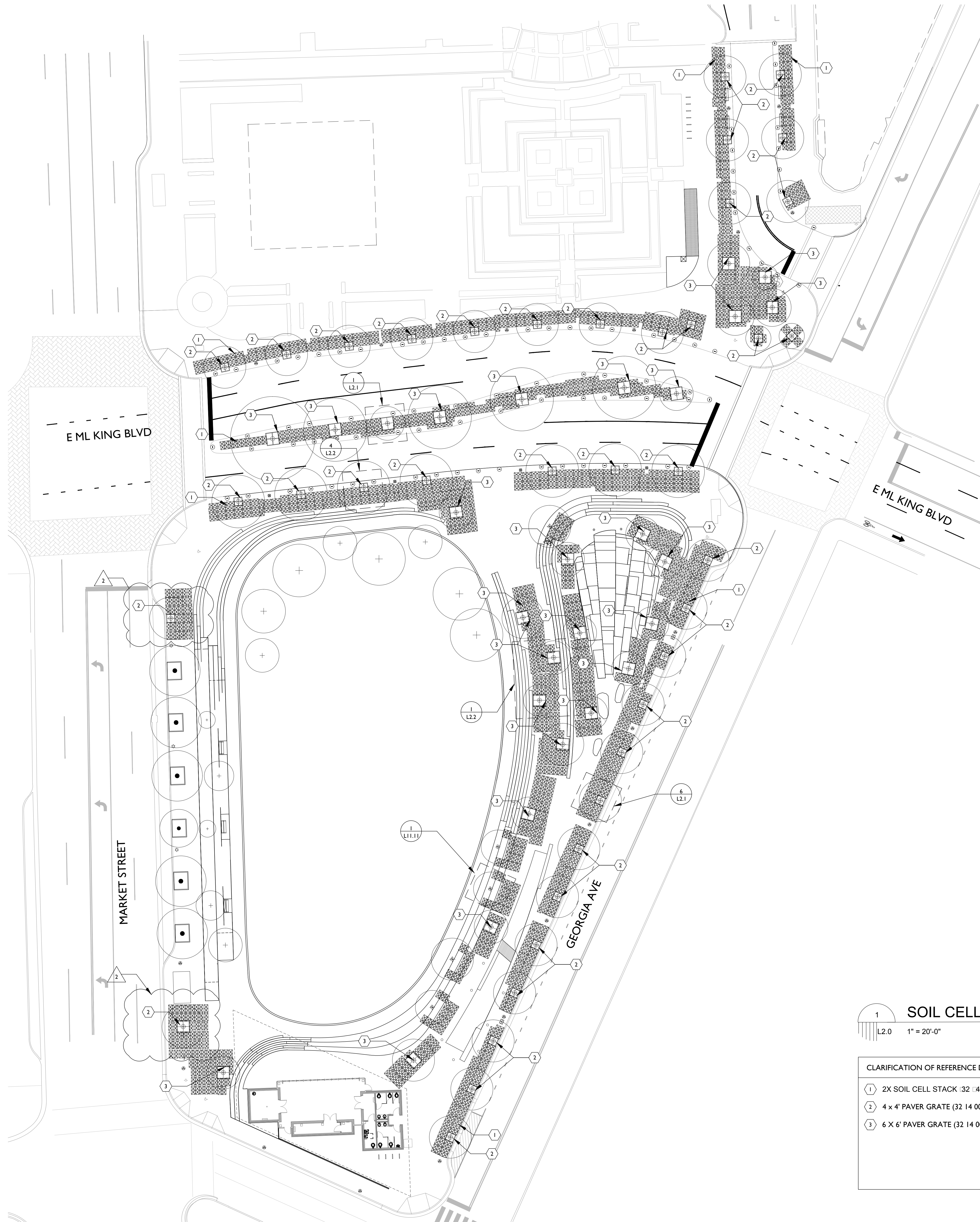
STEAK ALL TREES PRIOR TO INSTALLATION. LANDSCAPE TO APPROVE ALL TREE LOCATIONS. SEE L4.0 FOR TREE SPECIES INFORMATION.

POINT DEFINITIONS			020	2,175,406'-6.8"	259,981'-0.9"	042	2,175,428'-0.3"	260,093'-0.0"
#	EASTING	NORTHING	021	2,175,425'-0.1"	259,996'-10.0"	043	2,175,476'-7.9"	260,098'-5.8"
001	2,175,394'-1.6"	259,742'-6.9"	022	2,175,398'-4.7"	260,000'-7.4"	044	2,175,501'-5.4"	260,095'-8.3"
002	2,175,376'-7.1"	259,779'-1.6"	023	2,175,396'-10.0"	260,039'-3.6"	045	2,175,540'-4.9"	260,128'-5.8"
003	2,175,385'-6.2"	259,804'-2.8"	024	2,175,382'-2.6"	260,025'-3.1"	046	2,175,529'-4.4"	260,132'-4.4"
004	2,175,395'-0.7"	259,827'-0.9"	025	2,175,360'-2.2"	260,017'-2.5"	047	2,175,540'-4.7"	260,121'-11.7"
005	2,175,413'-5.4"	259,842'-4.9"	026	2,175,341'-8.4"	260,024'-8.3"	048	2,175,556'-2.8"	260,123'-0.7"
006	2,175,413'-1.5"	259,860'-5.7"	027	2,175,322'-3.6"	260,011'-8.4"	049	2,175,546'-11.3"	260,136'-7.7"
007	2,175,416'-8.6"	259,880'-5.2"	028	2,175,305'-5.0"	259,992'-4.6"	050	2,175,543'-7.2"	260,151'-0.0"
008	2,175,431'-4.0"	259,896'-0.8"	029	2,175,304'-9.1"	259,972'-4.2"	051	2,175,526'-3.4"	260,157'-5.5"
009	2,175,447'-5.8"	259,929'-1.1"	030	2,175,278'-5.6"	259,940'-8.9"	052	2,175,524'-6.3"	260'-246'-2.1"
010	2,175,460'-11.3"	259,943'-11.1"	031	2,175,284'-3.2"	259,914'-1.7"	053	2,175,550'-9.7"	260'-247'-2.1"
011	2,175,478'-9.1"	259,965'-0.9"	032	2,175,278'-9.0"	259,889'-0.2"	054	2,175,286'-11.9"	260,108'-3.1"
012	2,175,489'-10.4"	259,986'-4.7"	033	2,175,280'-8.7"	259,845'-10.1"	055	2,175,261'-4"	259,988'-11.9"
013	2,175,495'-7.1"	260,015'-11.1"	034	2,175,287'-3.1"	259,833'-9.6"			
014	2,175,485'-5.2"	260,029'-1.0"	035	2,175,267'-2.8"	259,795'-0.9"			
015	2,175,441'-3.8"	260,032'-7.5"	036	2,175,286'-3.1"	259,773'-2.9"			
016	2,175,449'-9.5"	260,017'-0.2"	037	2,175,293'-4.3"	260,044'-5.6"			
017	2,175,455'-6.7"	259,981'-11.9"	038	2,175,309'-8.2"	260,074'-3.7"			
018	2,175,443'-2.4"	259,970'-3.7"	039	2,175,339'-4.9"	260,078'-6.9"			
019	2,175,436'-4.9"	259,950'-0.7"	040	2,175,364'-2.8"	260,081'-6.6"			
			041	2,175,389'-0.8"	260,084'-5.8"			

1
L1.8
1" = 20'-0"

TREE LAYOUT PLAN





SOIL CELL PLAN

CLARIFICATION OF REFERENCE DESIGNATIONS

- 1 2X SOIL CELL STACK (32' x 4' x 51")
- 2 4 x 4' PAVER GRATE (32' x 14' 00")
- 3 6 x 6' PAVER GRATE (32' x 14' 00")

MILLER PARK DISTRICT PHASE I

CONTRACT NO. R-14-011-201

CHATTANOOGA, TN

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2 18 JAN 2017



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DOCUMENTS

EDR No: 15003

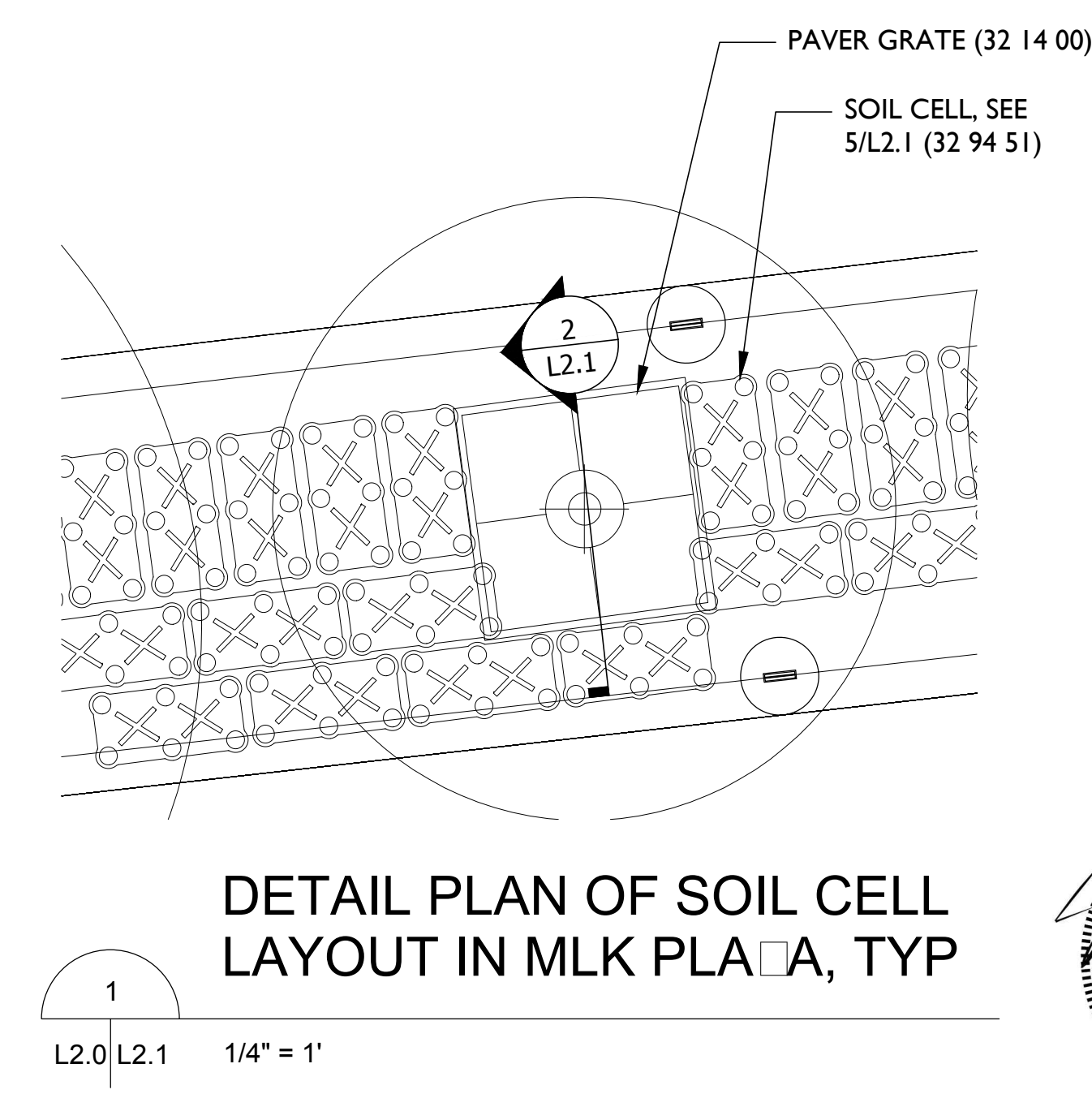
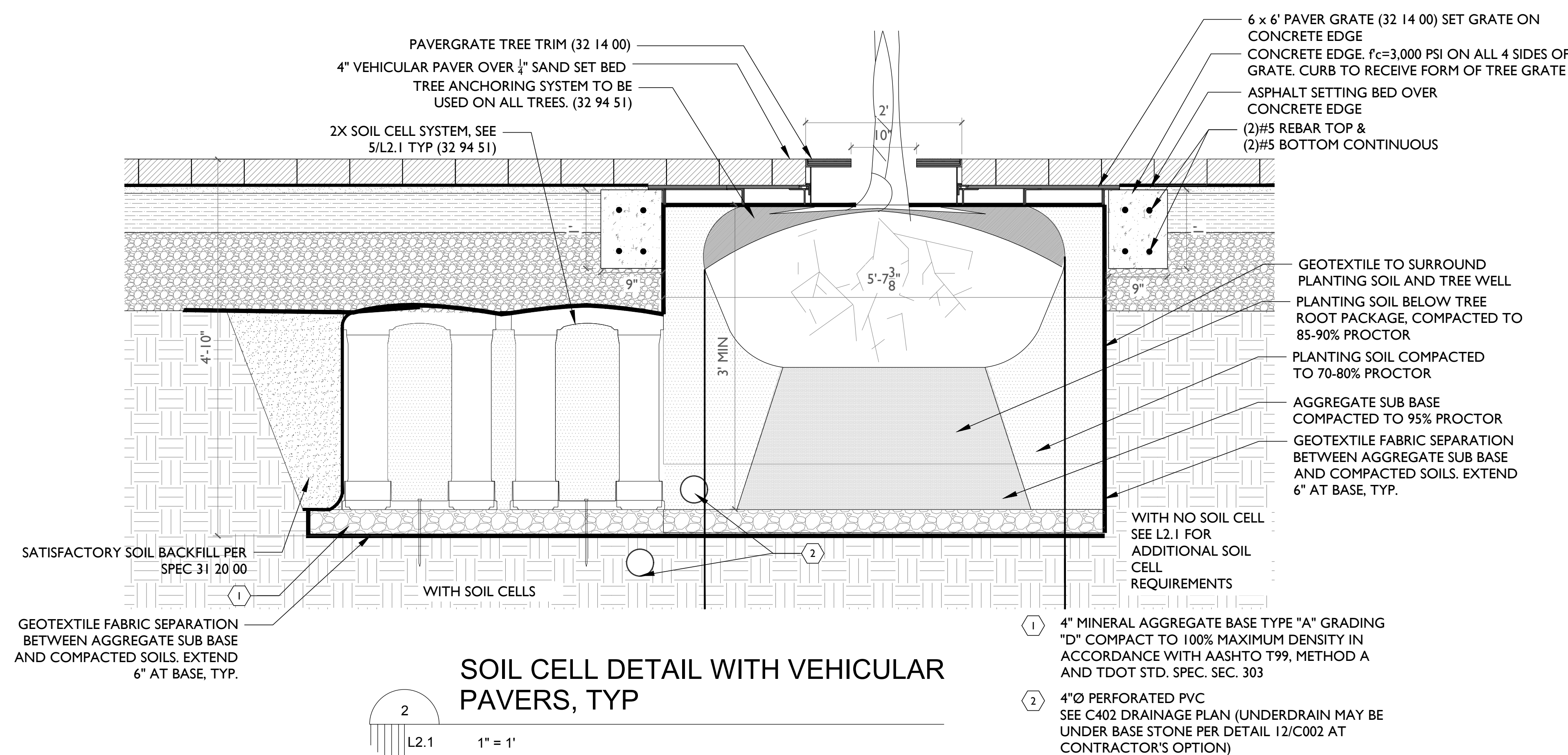
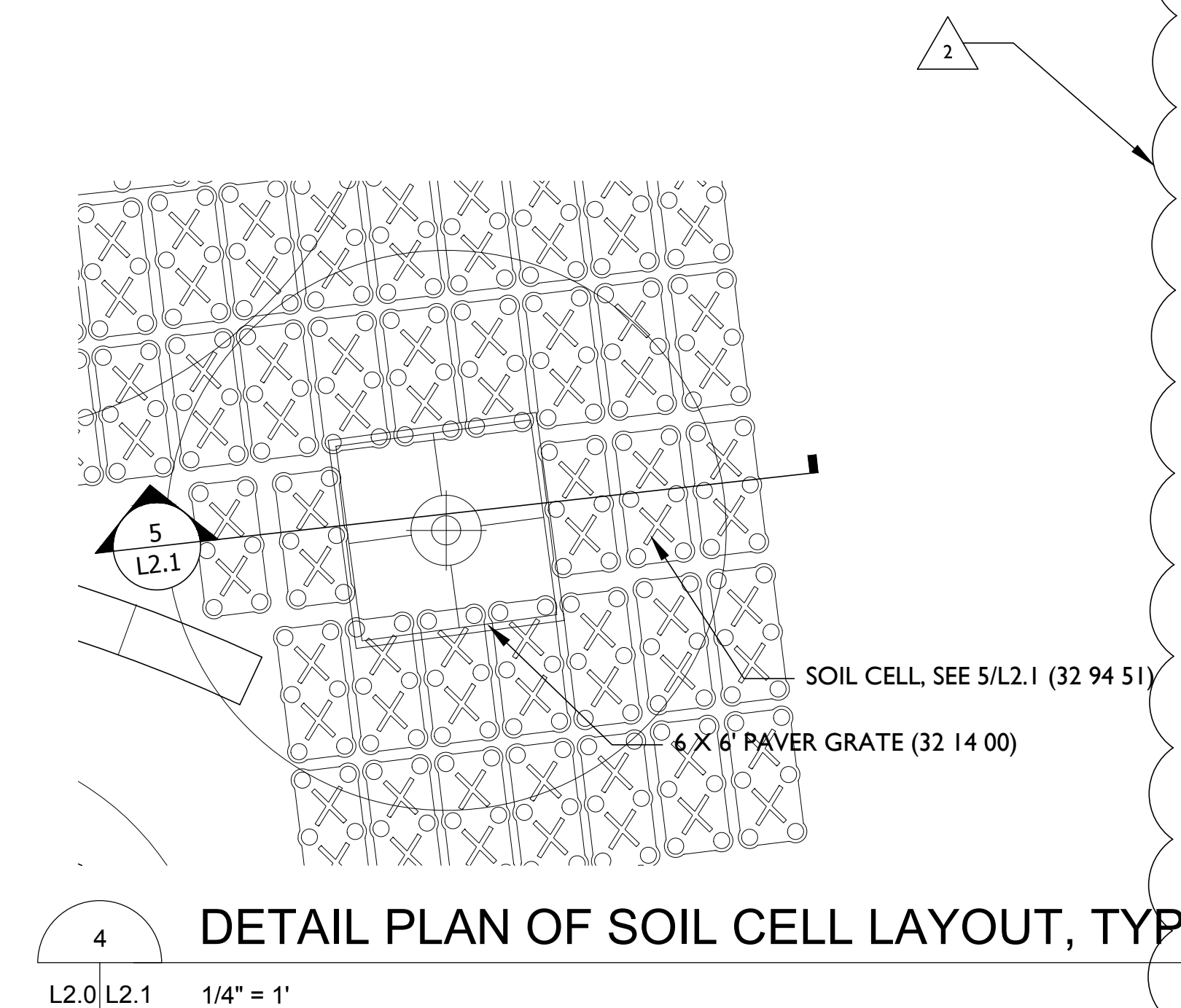
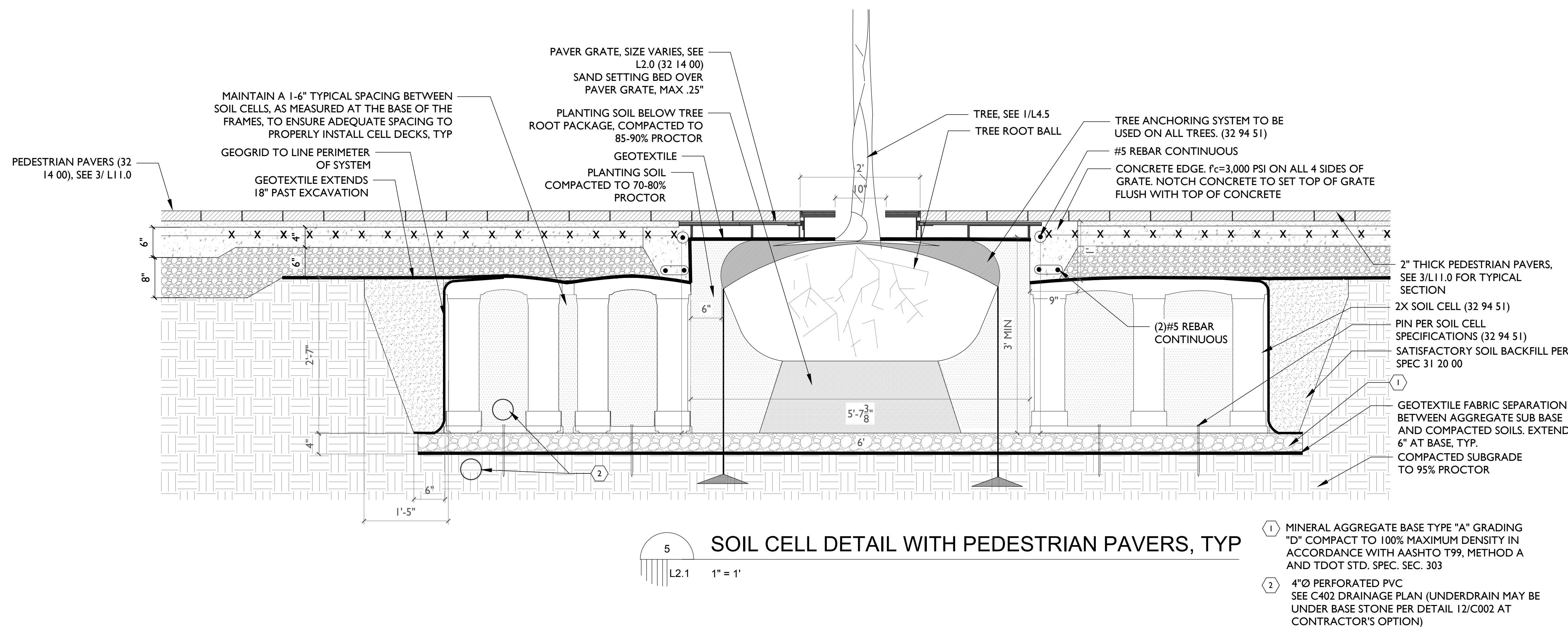
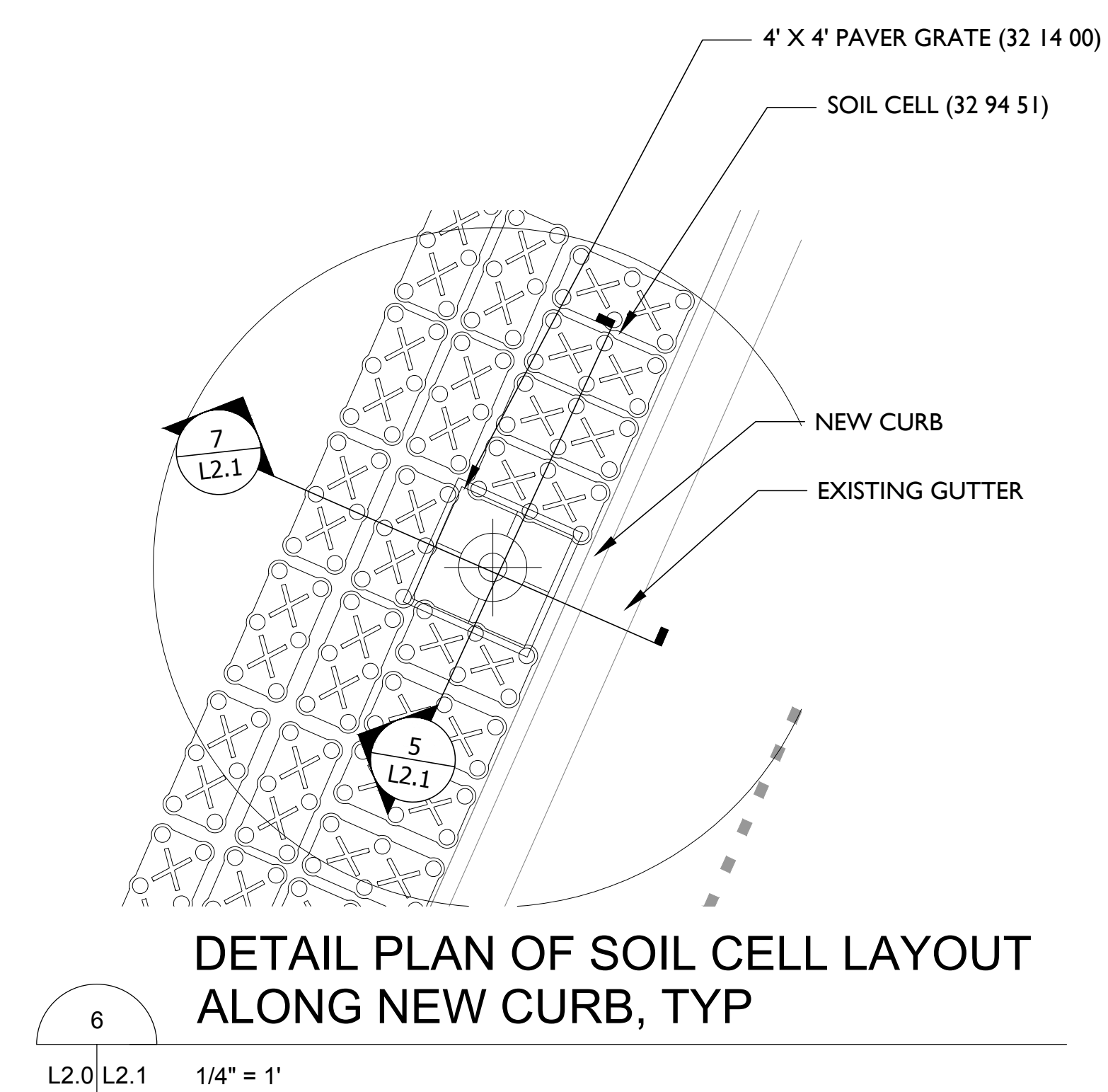
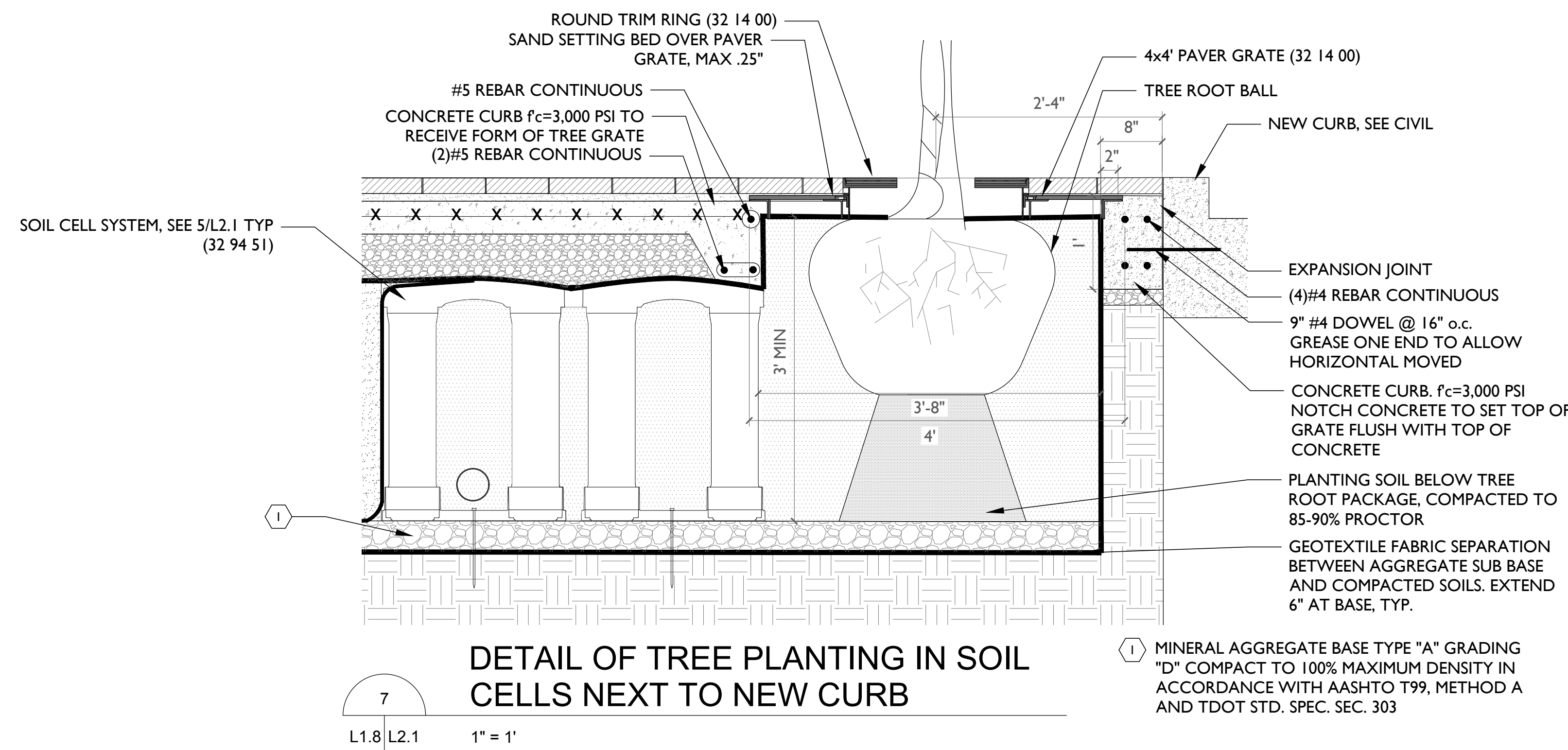
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SOIL CELL PLAN

Sheet No:

L2.0



DETAIL 3/ L2.1
NOT IN SET

MILLER PARK DISTRICT PHASE I

CONTRACT NO. R-14-011-201

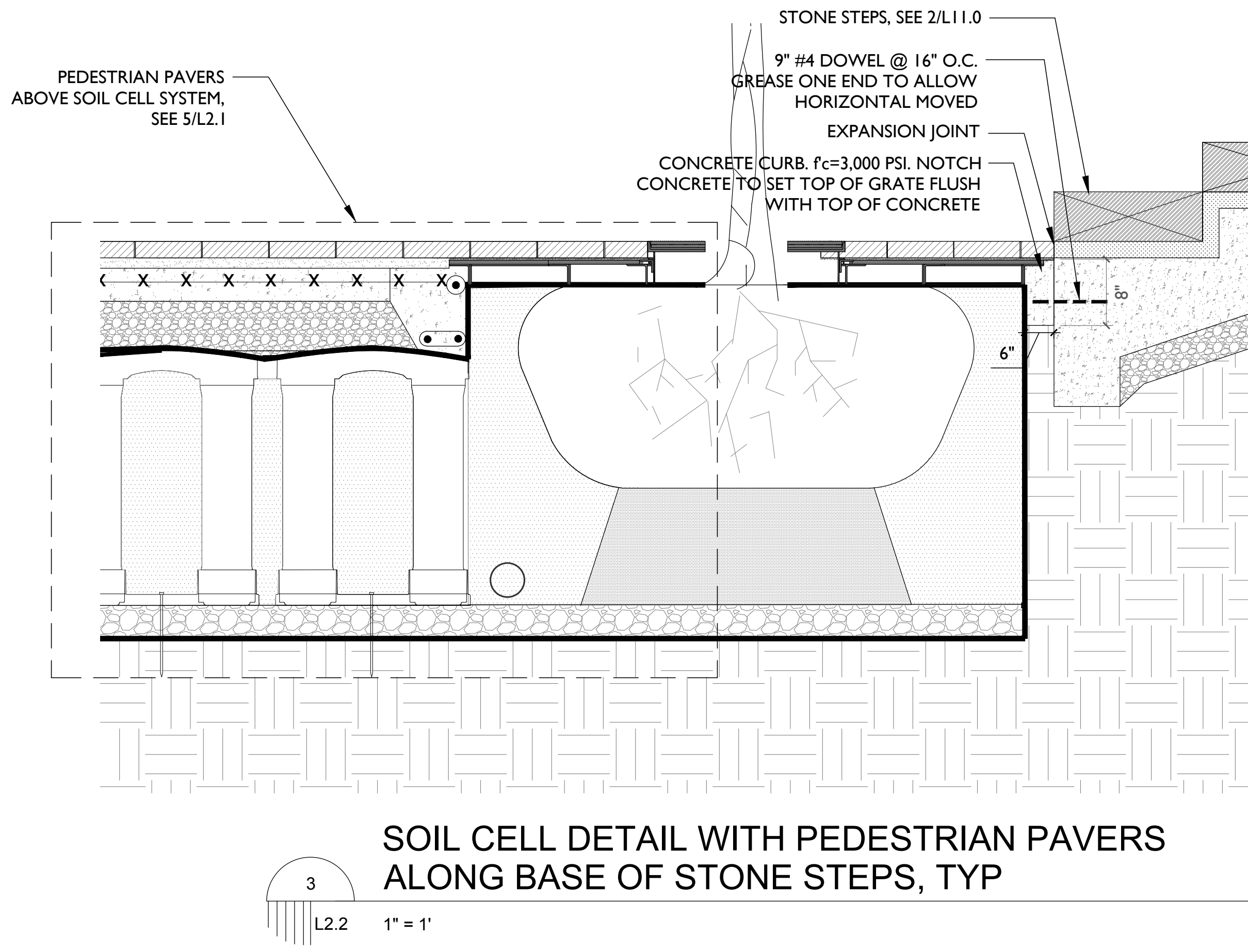
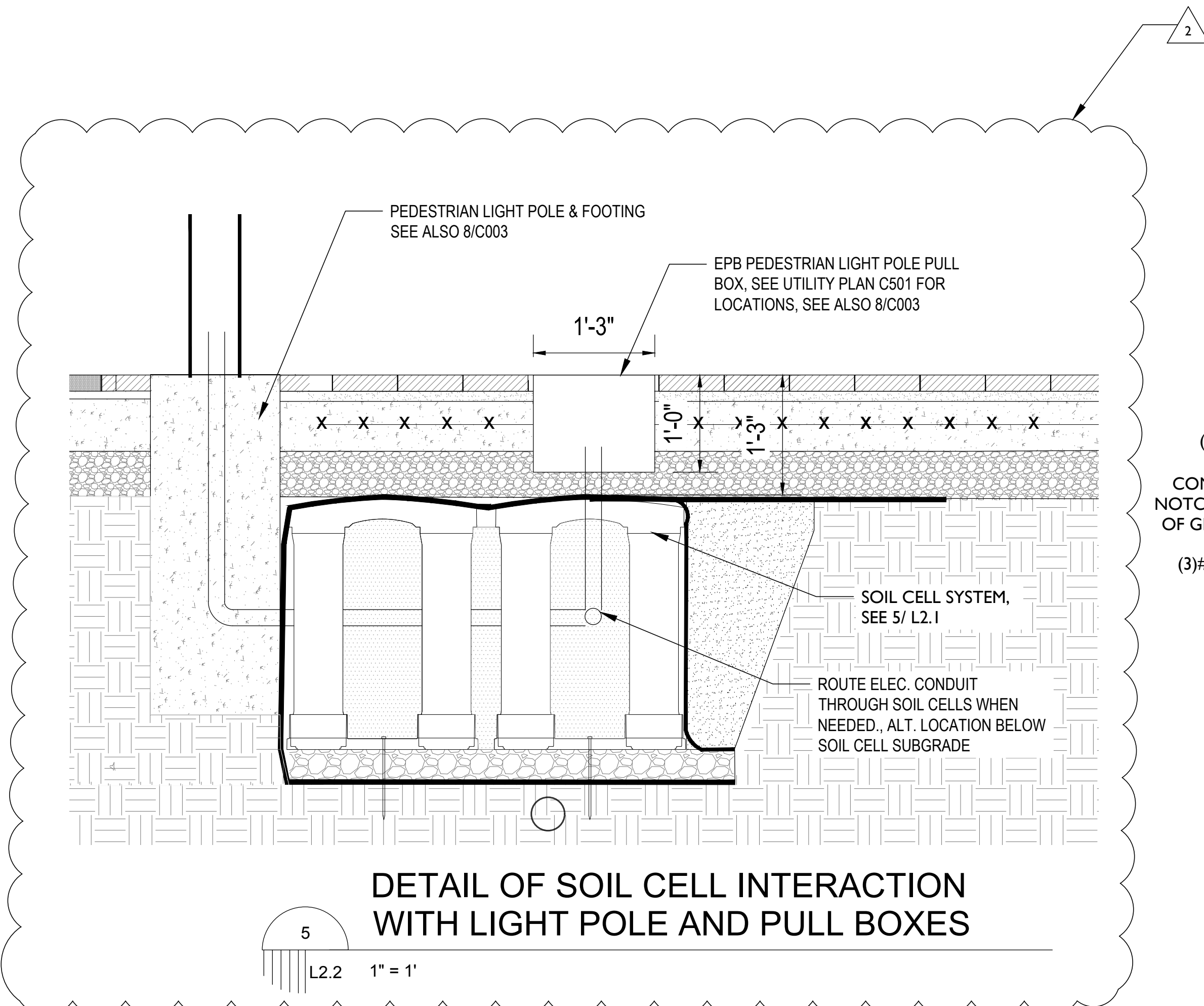
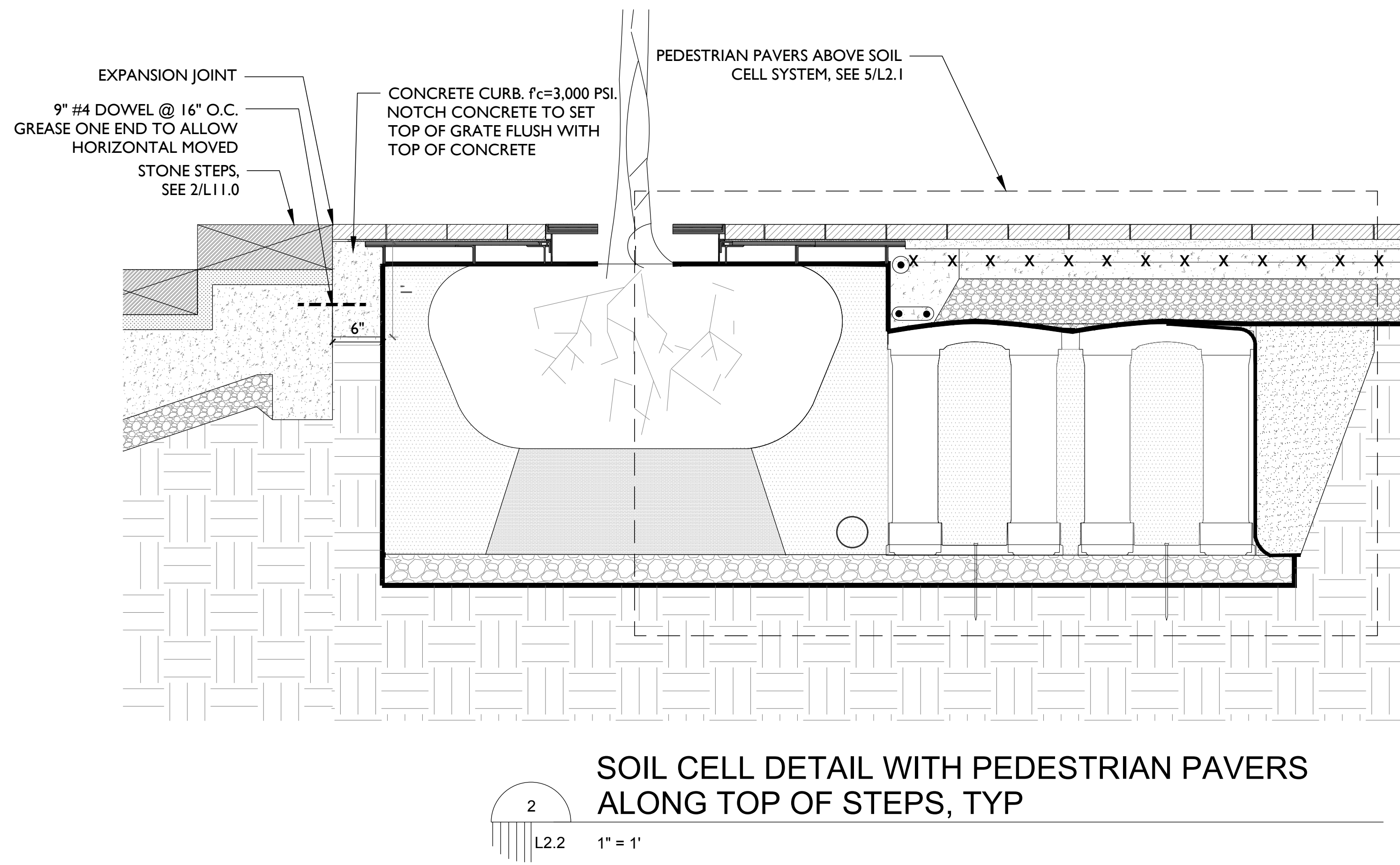
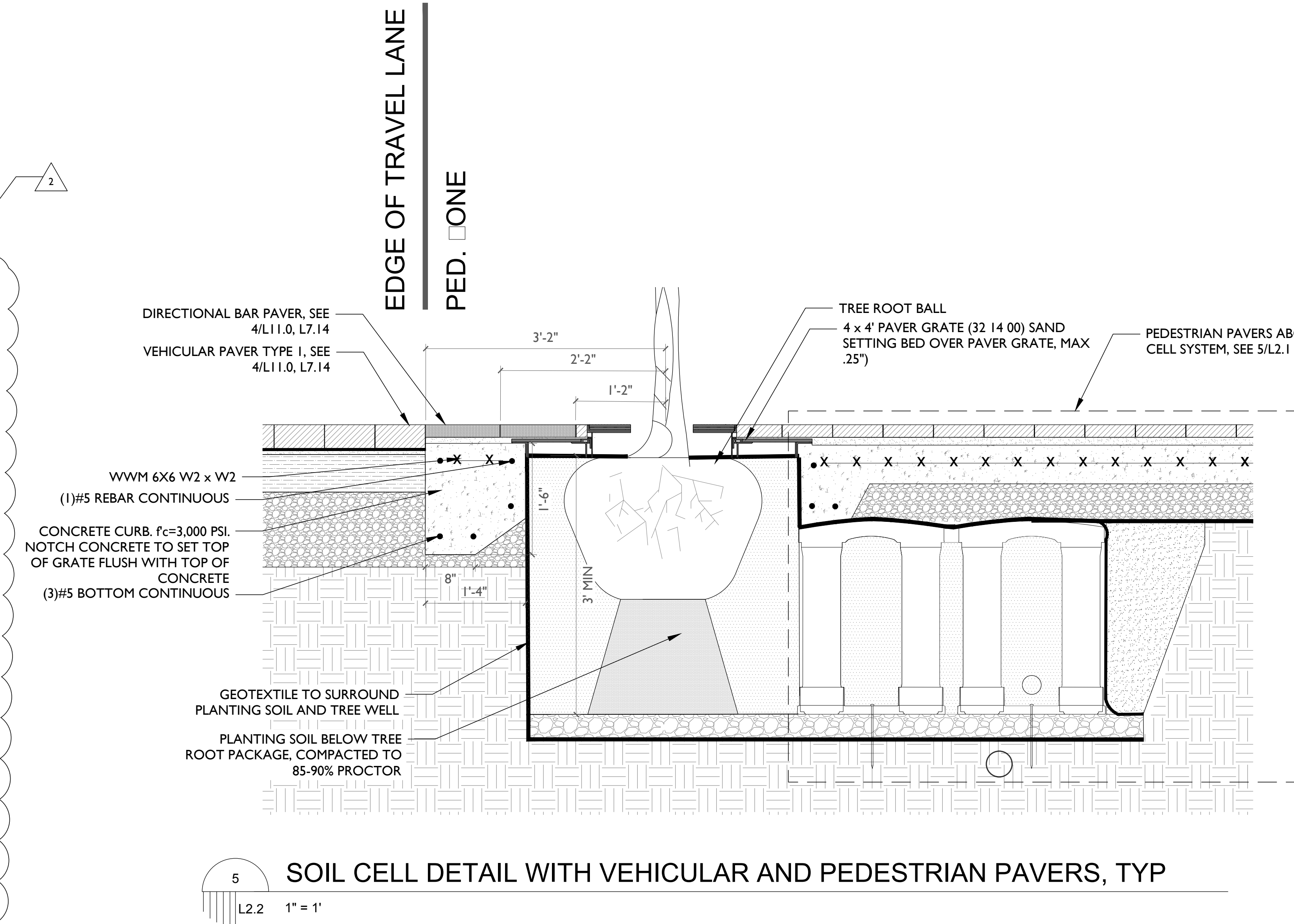
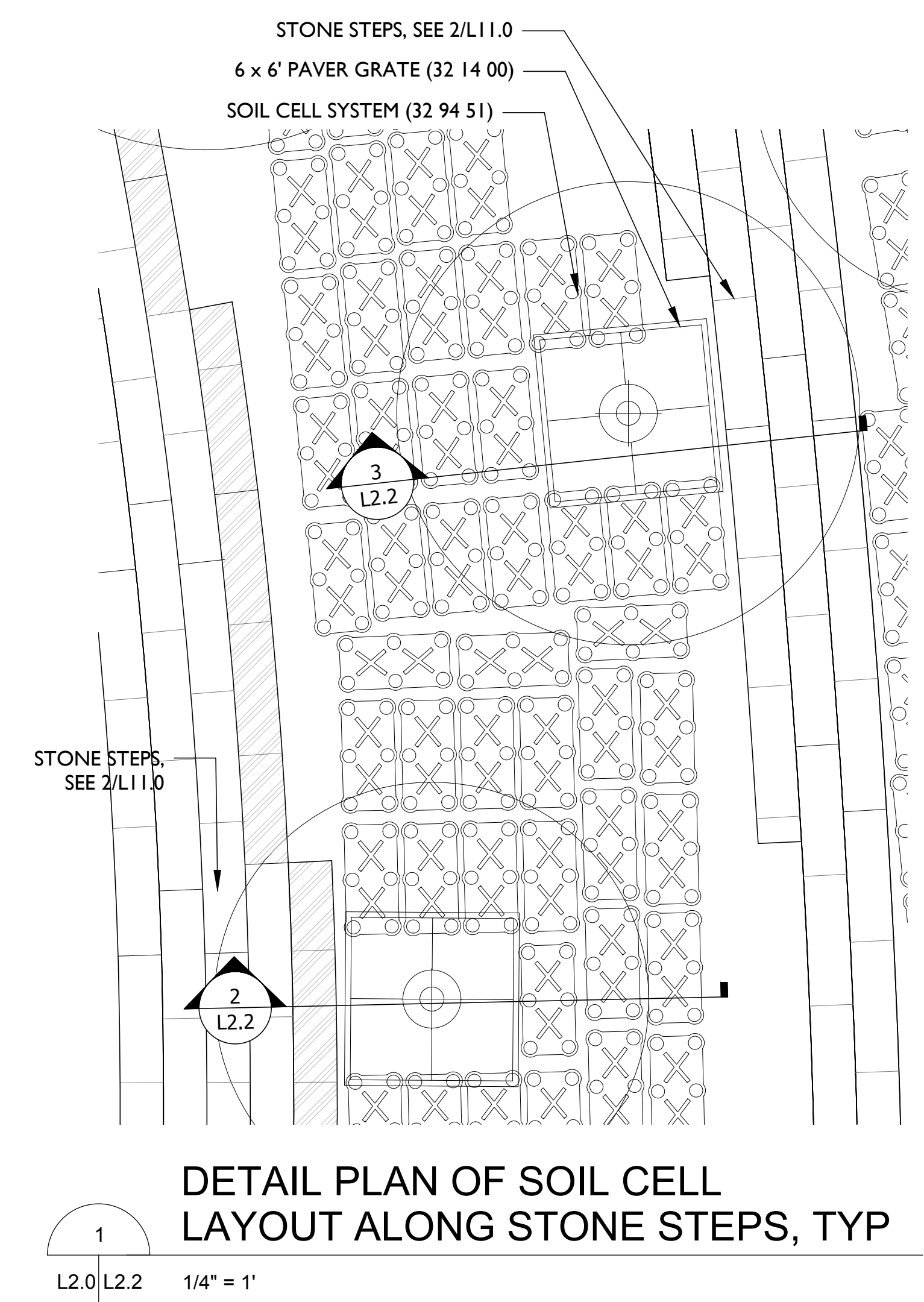
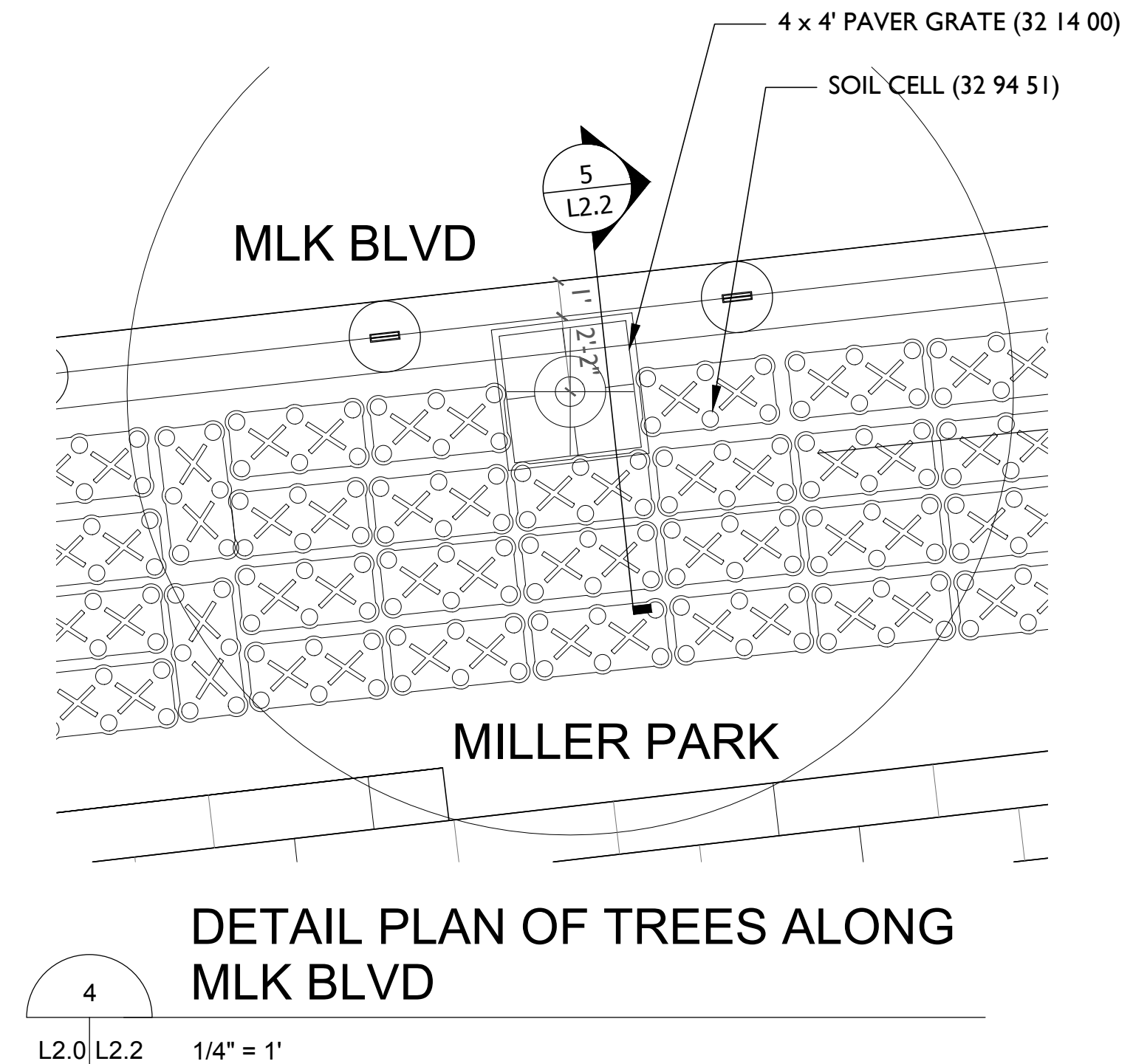
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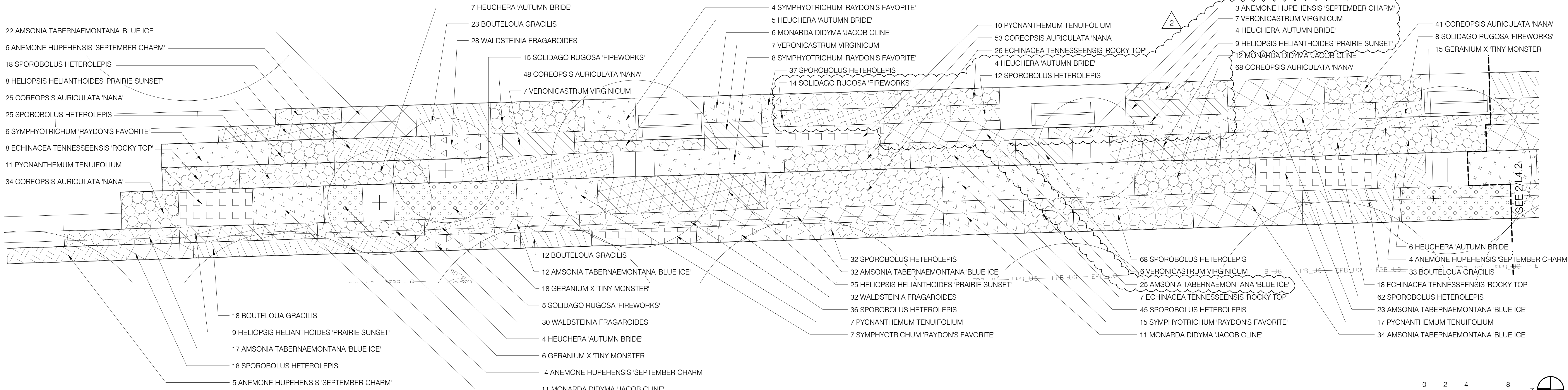
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Sheet No: L2.2

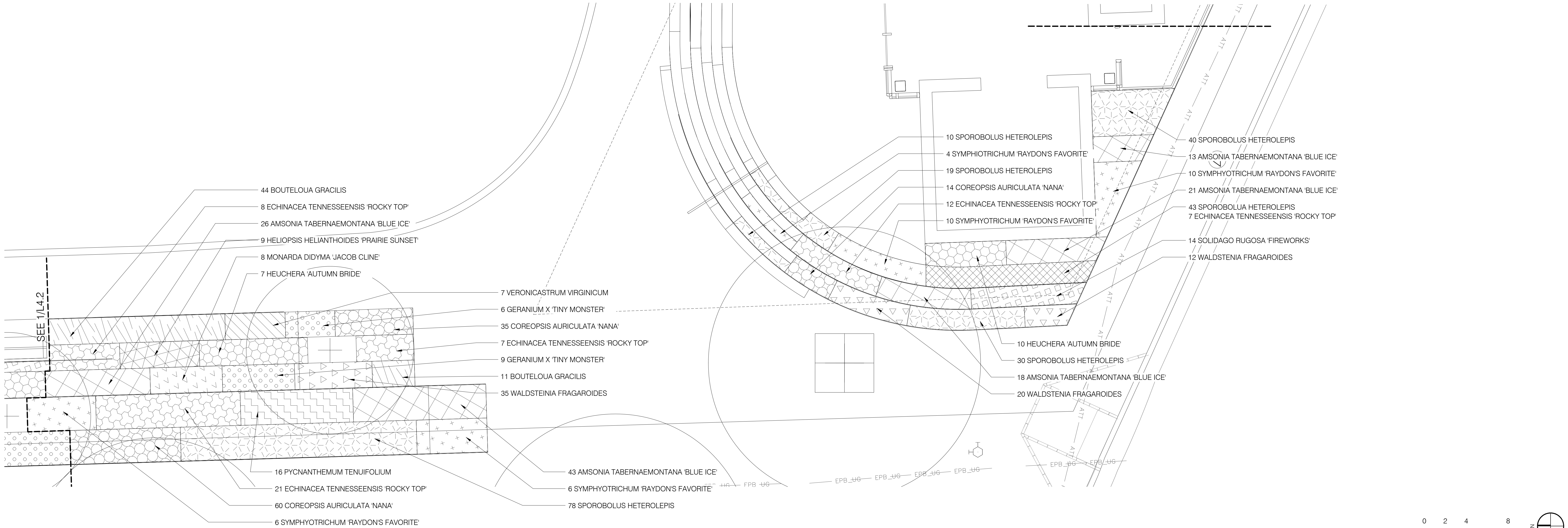


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1 NORTHWEST PERENNIAL PLANITNG - PLAN
SCALE: 1/4" = 1'-0"



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

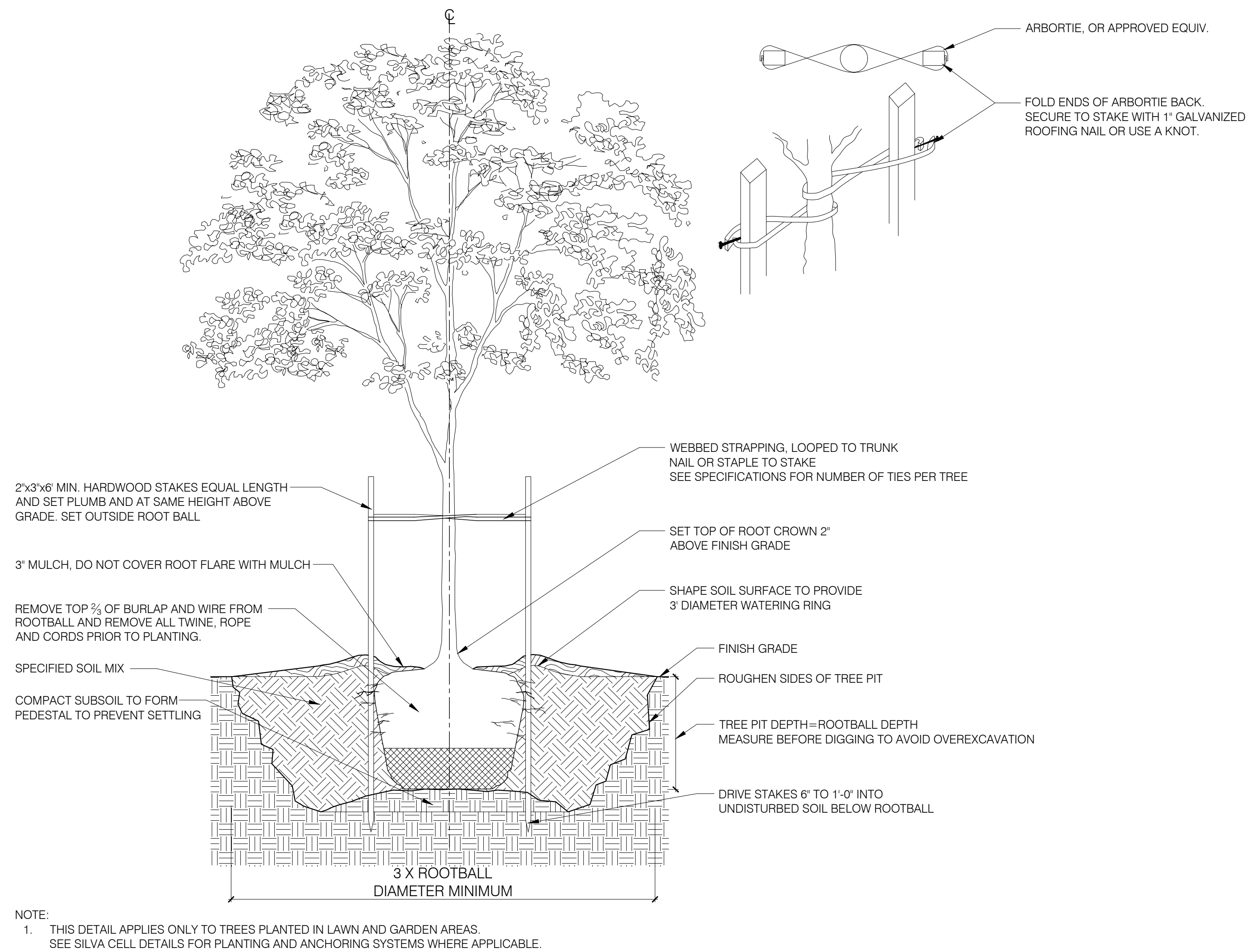
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2	18 JAN 2017

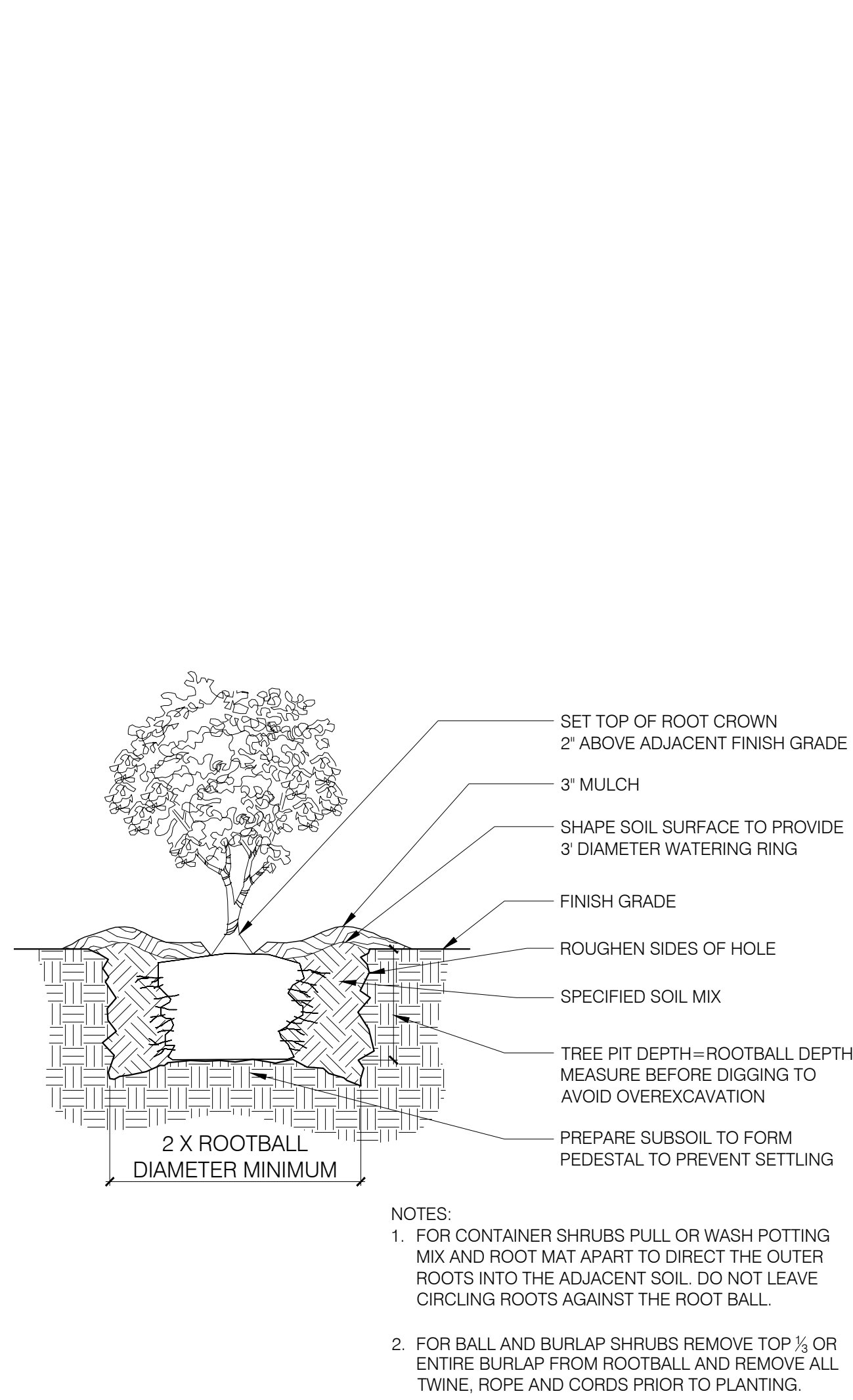


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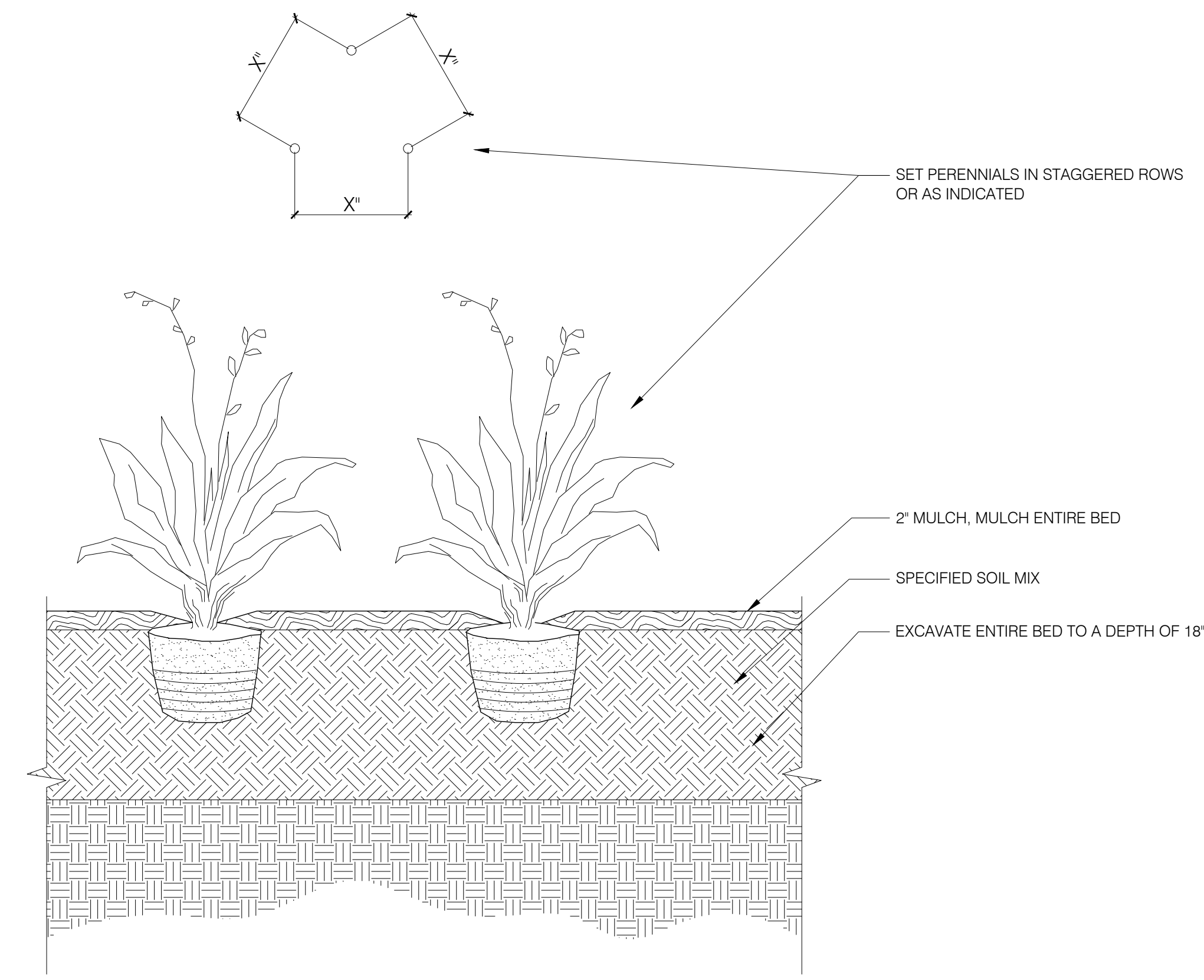
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1
L4.5
TREE PLANTING
SCALE: 1/2" = 1'-0"



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



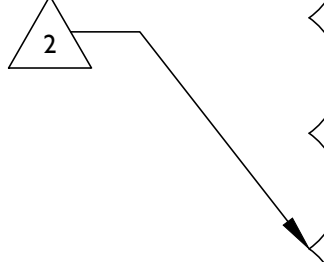
3
L4.5
PERENNIAL PLANTING
SCALE: 1" = 1'-0"

PLANT SCHEDULE

Quantity	Scientific Name	Common Name	Spacing	Size	Condition
TREES					
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>Cladrastis kentuckia</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.					
SHRUBS					
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.
PERENNIALS					
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.
54	<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.
61	<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.
76	<i>Symphytotrichum 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.
LAWN					
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.





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



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 L7.0.

CLARIFICATION OF REFERENCE DESIGNATIONS

① FOR ALL PAVERS SEE 32 14 00

1

L7.2 L7.3

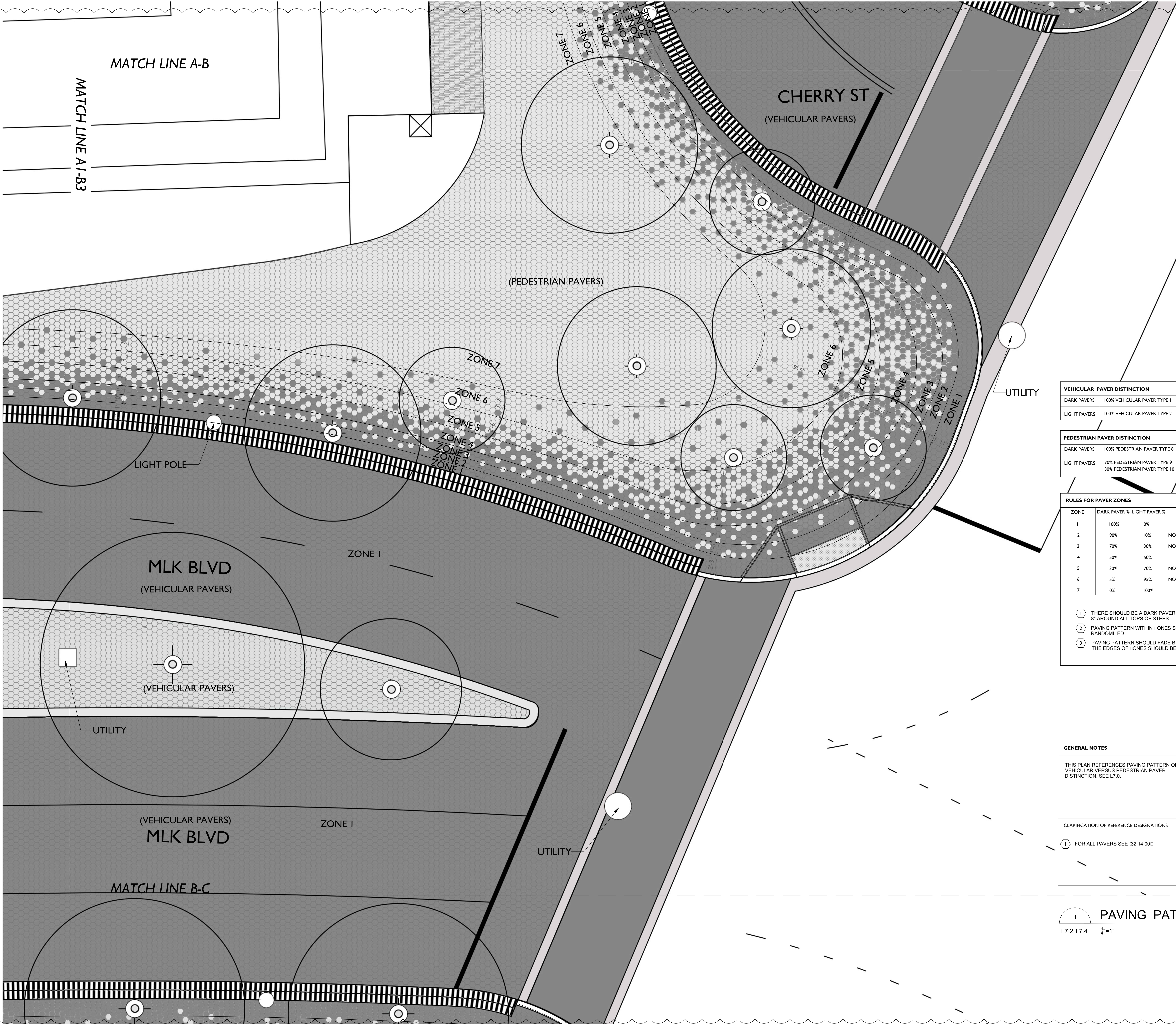
1"=1'

3/4"=1'

PAVING PATTERN PLAN

N





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.

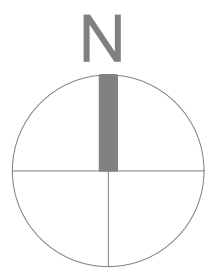
GENERAL NOTES

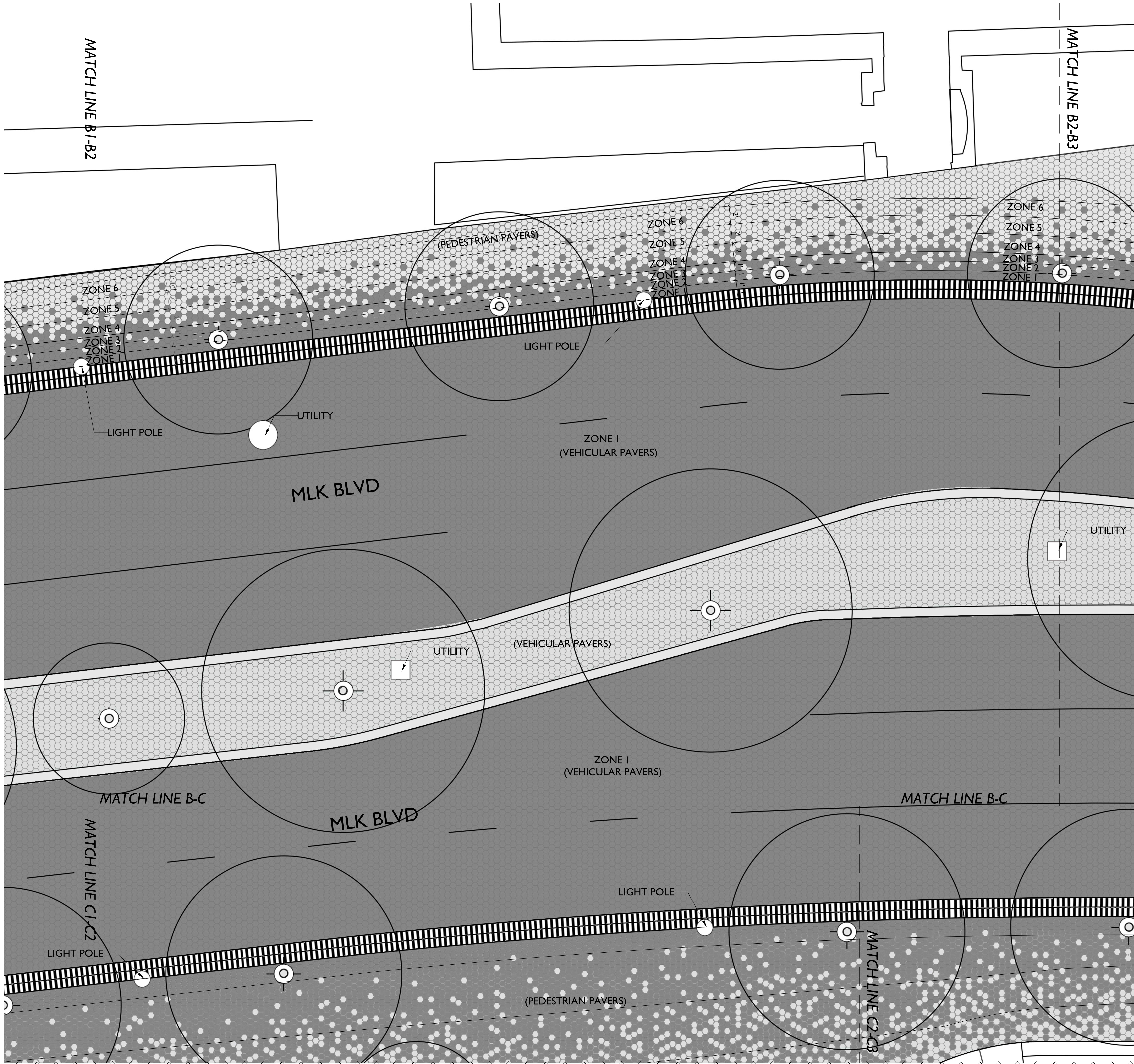
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

CLARIFICATION OF REFERENCE DESIGNATIONS

1 FOR ALL PAVERS SEE 32 14 00

1
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	
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%	

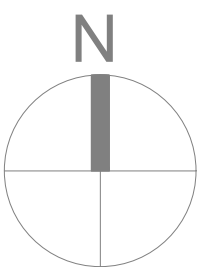
- ① THERE SHOULD BE A DARK PAVER EDGE OF AT LEAST 8" AROUND ALL TOPS OF STEPS
- ② PAVING PATTERN WITHIN ZONES SHOULD BE RANDOMIZED
- ③ PAVING PATTERN SHOULD FADE BETWEEN ZONES, AND THE EDGES OF ZONES SHOULD BE INDISTINGUISHABLE.

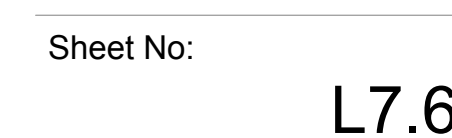
GENERAL NOTES
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

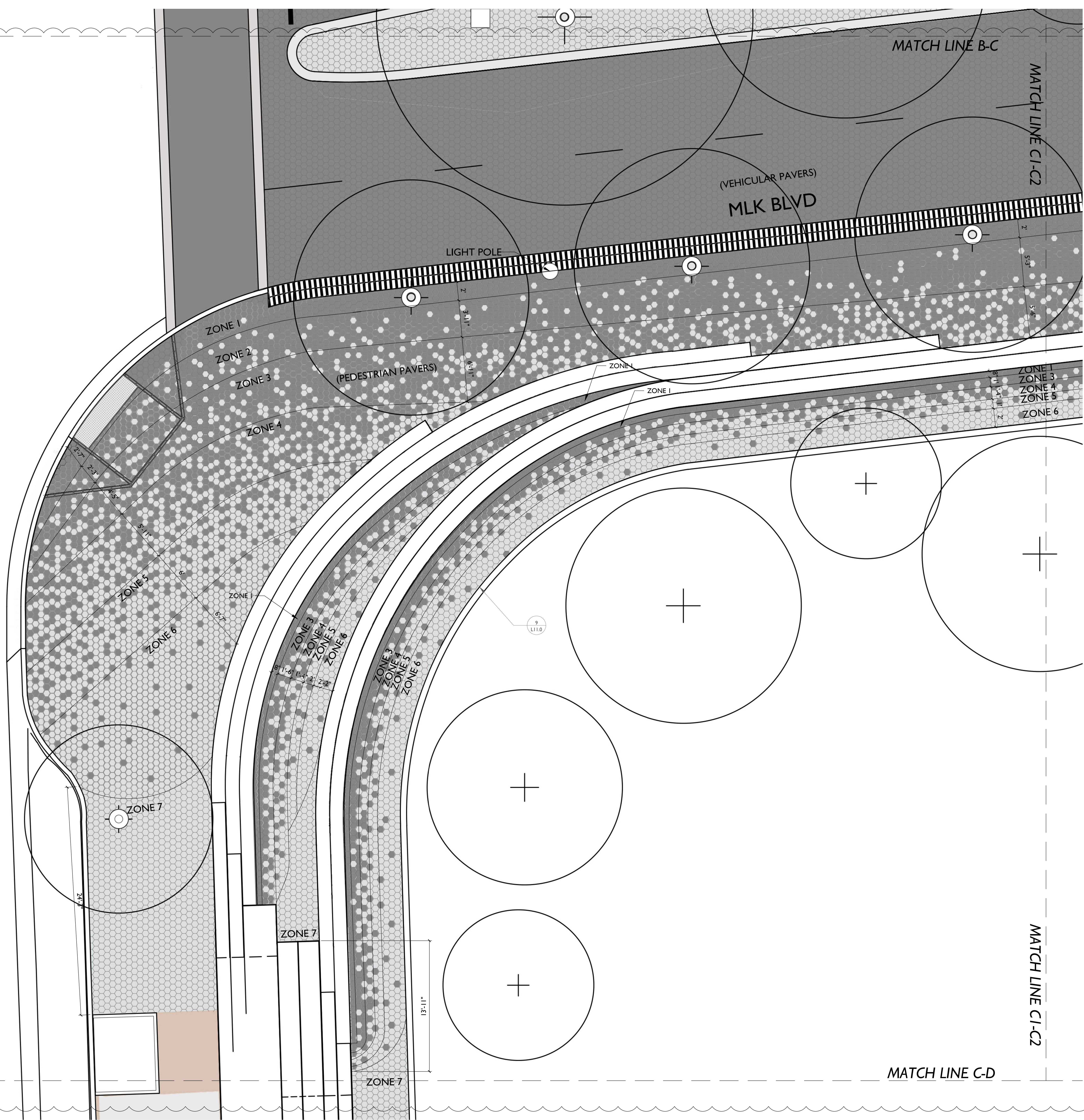
CLARIFICATION OF REFERENCE DESIGNATIONS
① FOR ALL PAVERS SEE 32 14 00

PAVING PATTERN PLAN

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







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

PEDESTRIAN PAYER DISTINCTION		
DARK PAVERS	100% PEDESTRIAN PAYER TYPE 8	
LIGHT PAVERS	70% PEDESTRIAN PAYER TYPE 9 30% PEDESTRIAN PAYER TYPE 10	* LIGHT PEDESTRIAN PAVERS SHOULD BE RANDOMIZED

RULES FOR PAYER ZONES			
ZONE	DARK PAYER %	LIGHT PAYER %	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 THAT 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 PAYER 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.

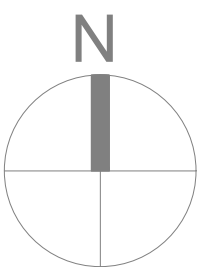
GENERAL NOTES
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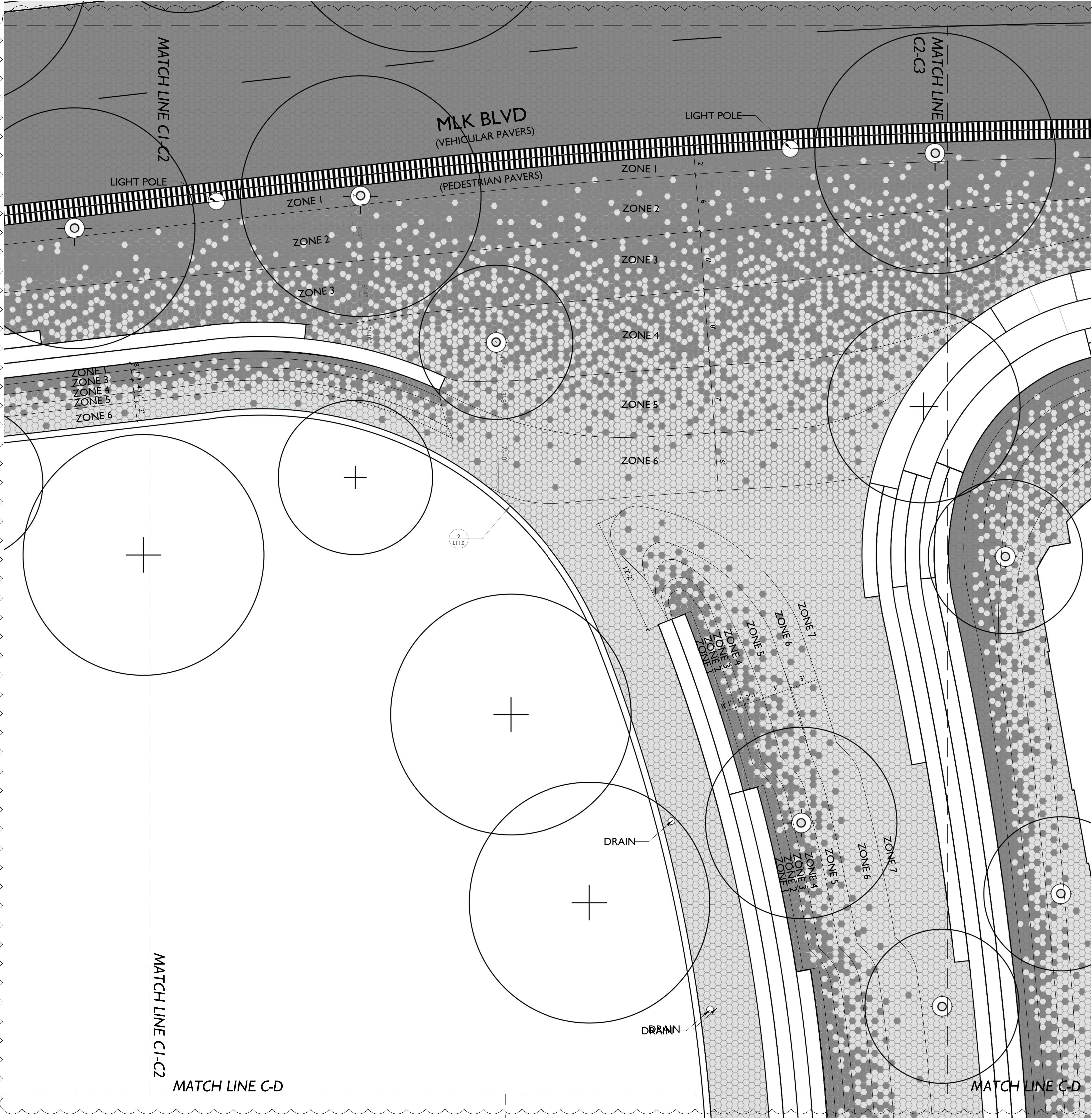
CLARIFICATION OF REFERENCE DESIGNATIONS
1 FOR ALL PAVERS SEE 32 14 00

1
L7.2 L7.7

PAVING PATTERN PLAN

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

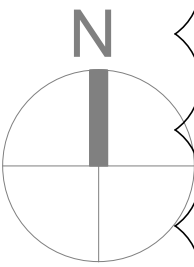
RULES FOR PAVER ZONES			
ZONE	DARK PAVER %	LIGHT PAVER %	RULES
1	100%	0%	
2	90%	10%	NO MORE THAN 2 LIGHT PAVERS TO TOUCH
3	70%	30%	NO MORE THAN 8 LIGHT PAVERS TO TOUCH
4	50%	50%	
5	30%	70%	NO MORE THAT 5 DARK PAVERS TO TOUCH
6	5%	95%	NO DARK PAVERS TO TOUCH. SCATTER DARK PAVERS
7	0%	100%	
<div><div>1</div>THERE SHOULD BE A DARK PAVER EDGE OF AT LEAST 8" AROUND ALL TOPS OF STEPS</div> <div><div>2</div>PAVING PATTERN WITHIN ZONES SHOULD BE RANDOMIZED</div> <div><div>3</div>PAVING PATTERN SHOULD FADE BETWEEN ZONES, AND THE EDGES OF ZONES SHOULD BE INDISTINGUISHABLE.</div>			

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

CLARIFICATION OF REFERENCE DESIGNATIONS
<div>1</div> FOR ALL PAVERS SEE SEE 32 14 00

1
L7.2 L7.8
3/4"=1'

PAVING PATTERN PLAN



MILLER PARK DISTRICT PHASE I

CONTRACT NO. R-14-011-201

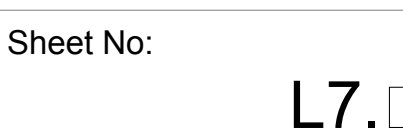
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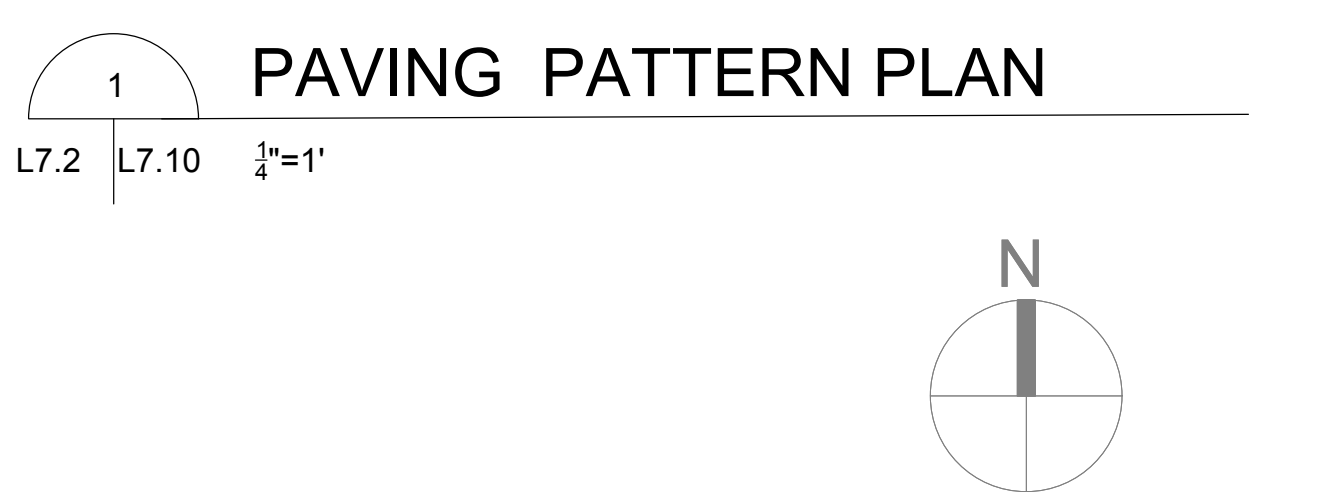
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REVISIONS
2 18 JAN 2017

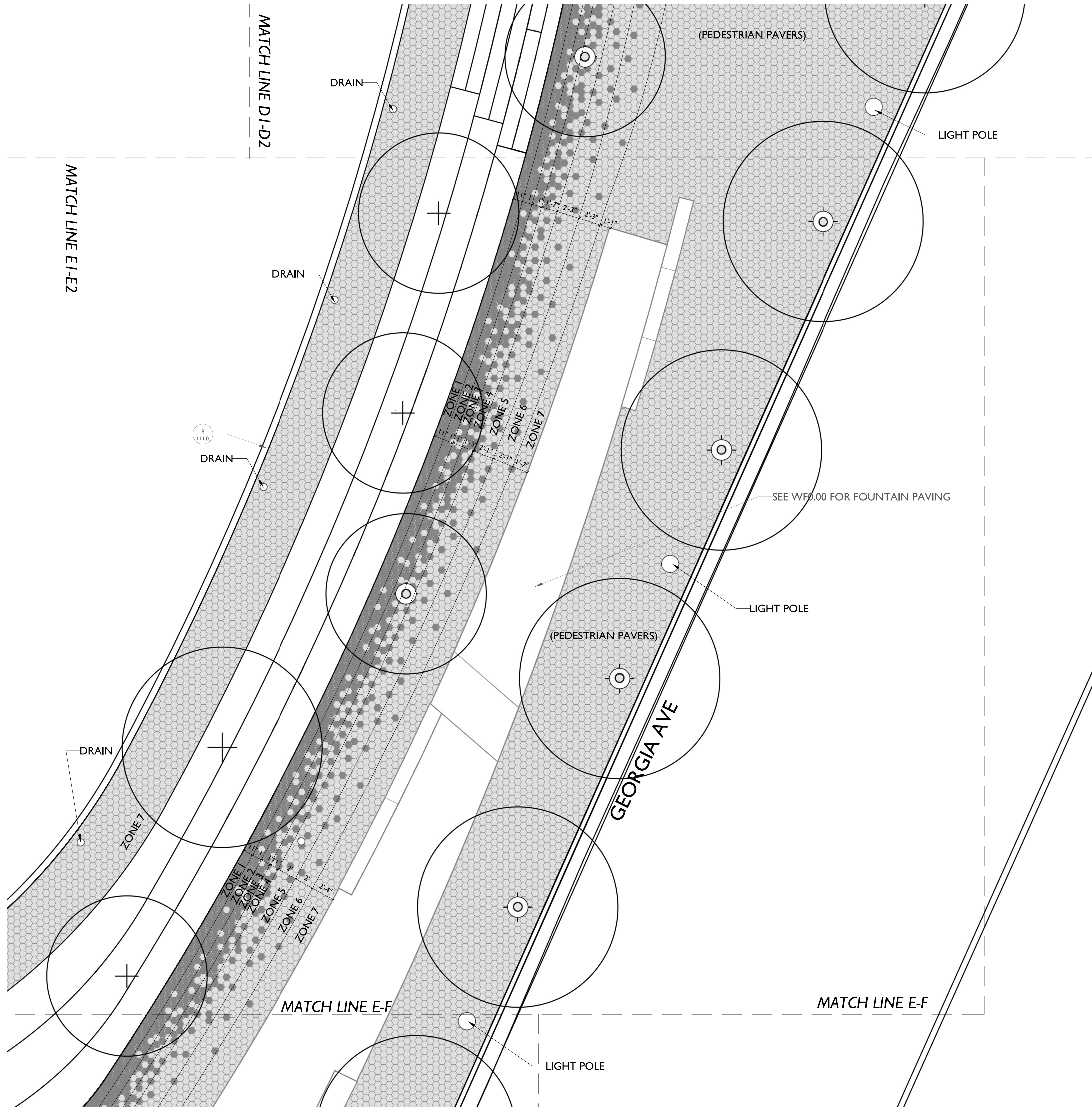


100% CONSTRUCTION DOCUMENTS
EDR No: 15003
Drawn By: KB
Drawing Title:
PAVING PATTERN PLAN

Sheet No:
L7.8







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 10'ONES SHOULD BE RANDOMIZED
- 3 PAVING PATTERN SHOULD FADE BETWEEN 10'ONES, AND THE EDGES OF 10'ONES SHOULD BE INDISTINGUISHABLE.

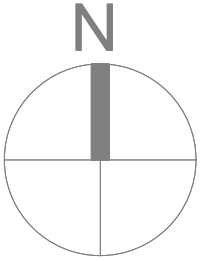
GENERAL NOTES

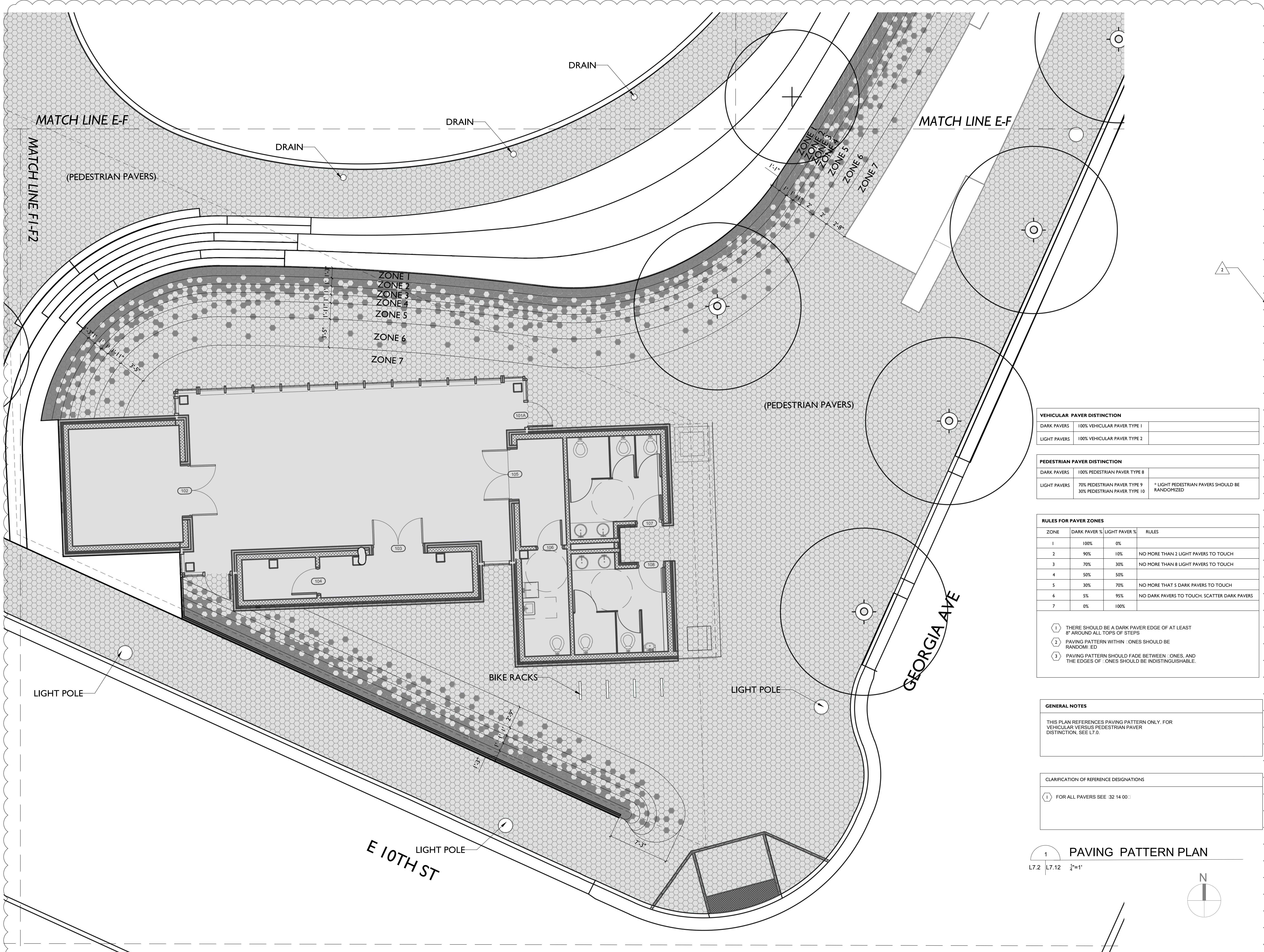
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.0.

CLARIFICATION OF REFERENCE DESIGNATIONS

1 FOR ALL PAVERS SEE 32 14 00

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.

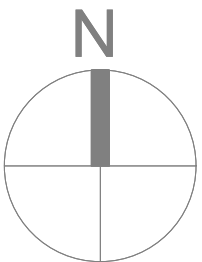
GENERAL NOTES

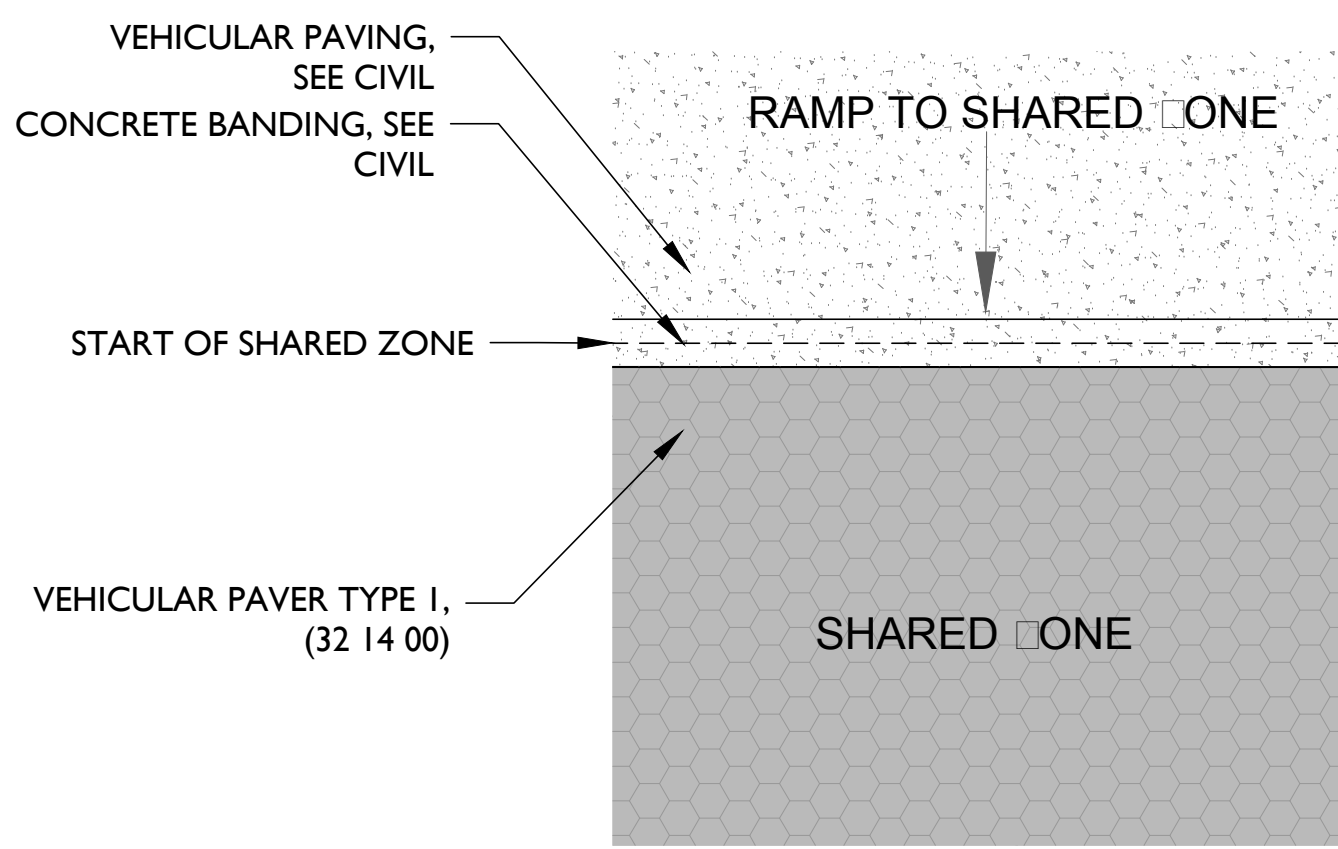
THIS PLAN REFERENCES PAVING PATTERN ONLY. FOR VEHICULAR VERSUS PEDESTRIAN PAVER DISTINCTION, SEE L7.6.

CLARIFICATION OF REFERENCE DESIGNATIONS

- 1
- FOR ALL PAVERS SEE 32 14 00

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

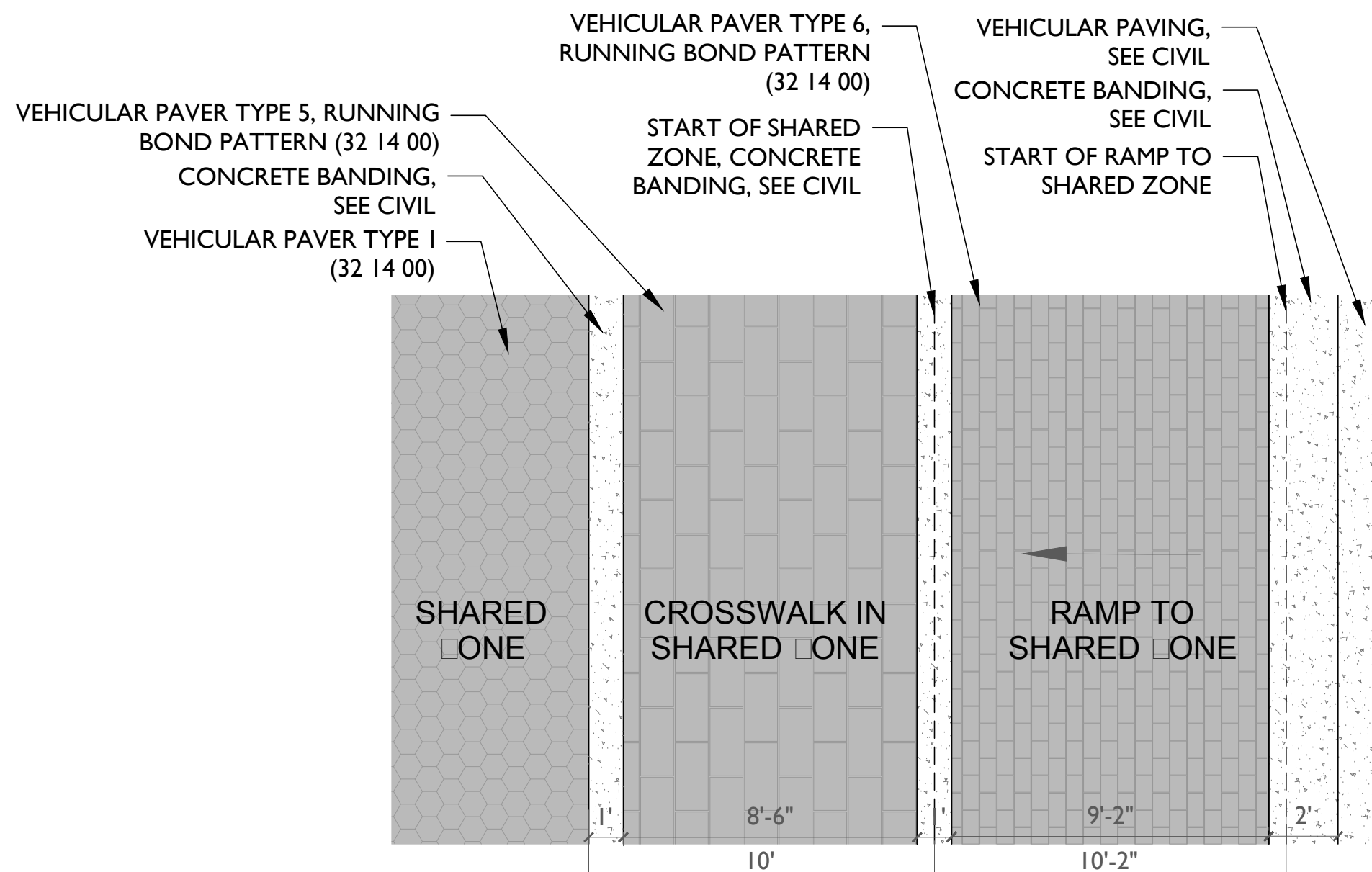




NOTE: SEE L7.14 FOR PAVING TYPES

RAMP TO SHARED ONE AT CHERRY STREET

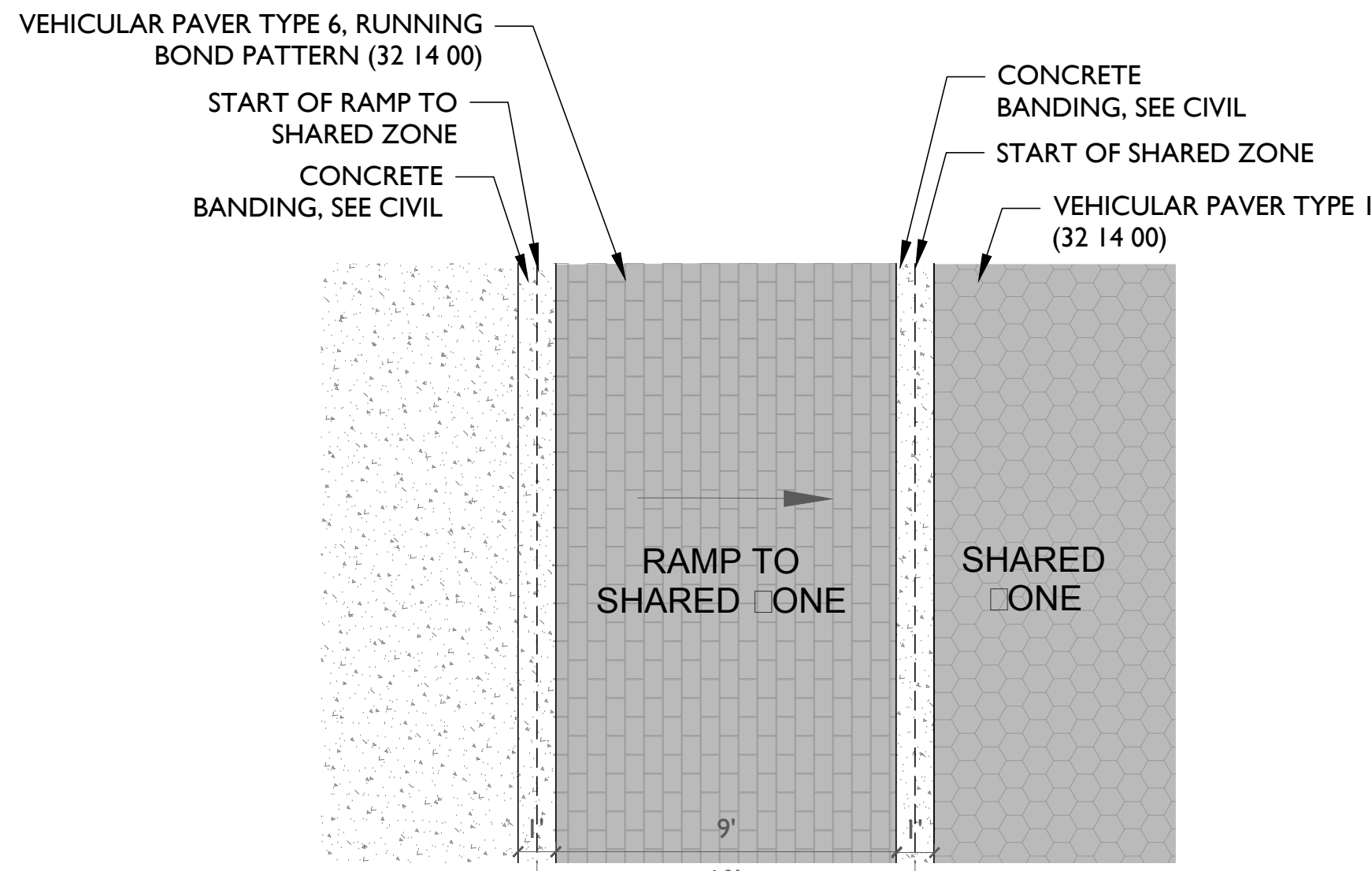
12
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

CROSSWALK AND RAMP AT CHERRY STREET

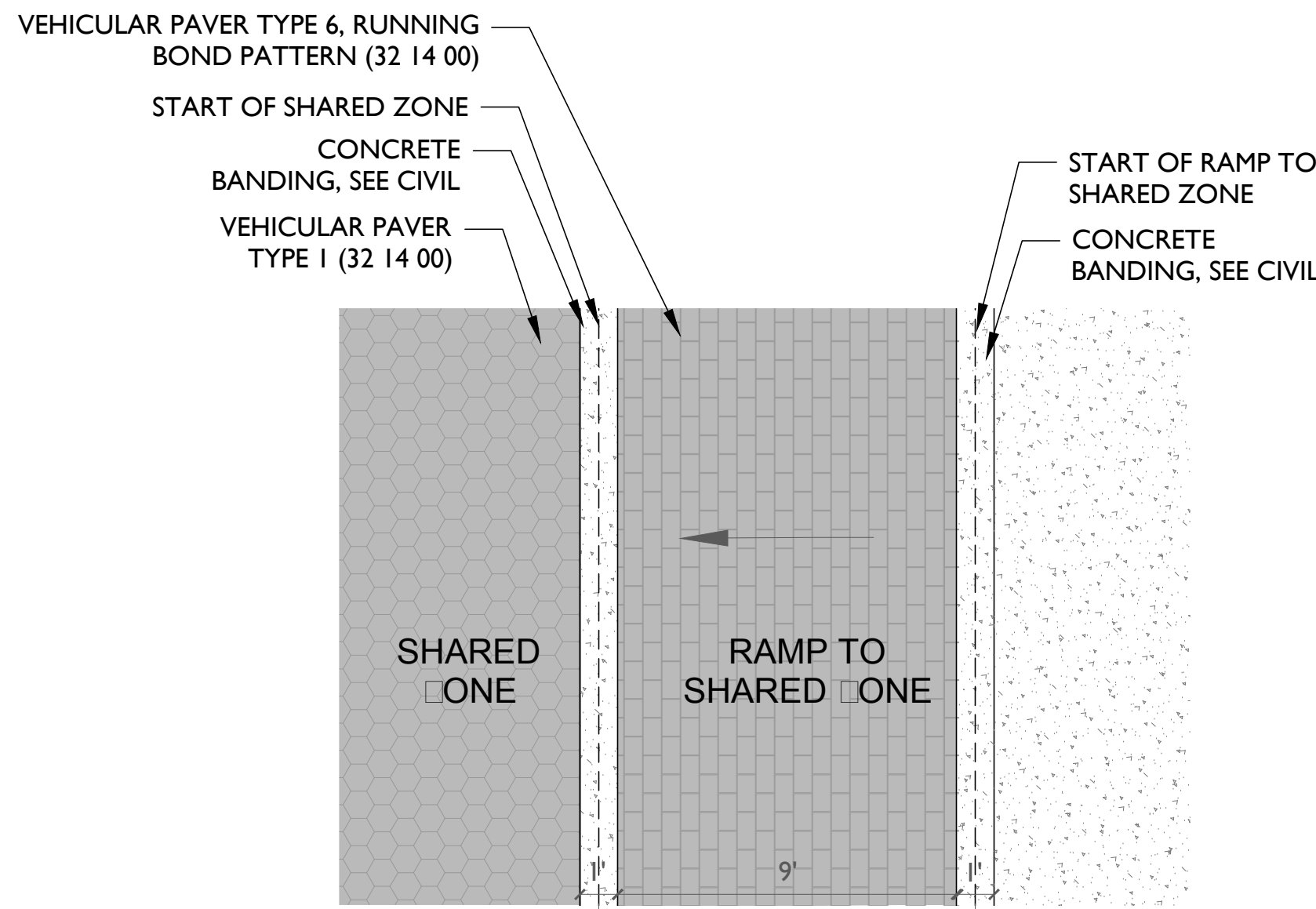
11
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

RAMP TO SHARED ONE, TYP

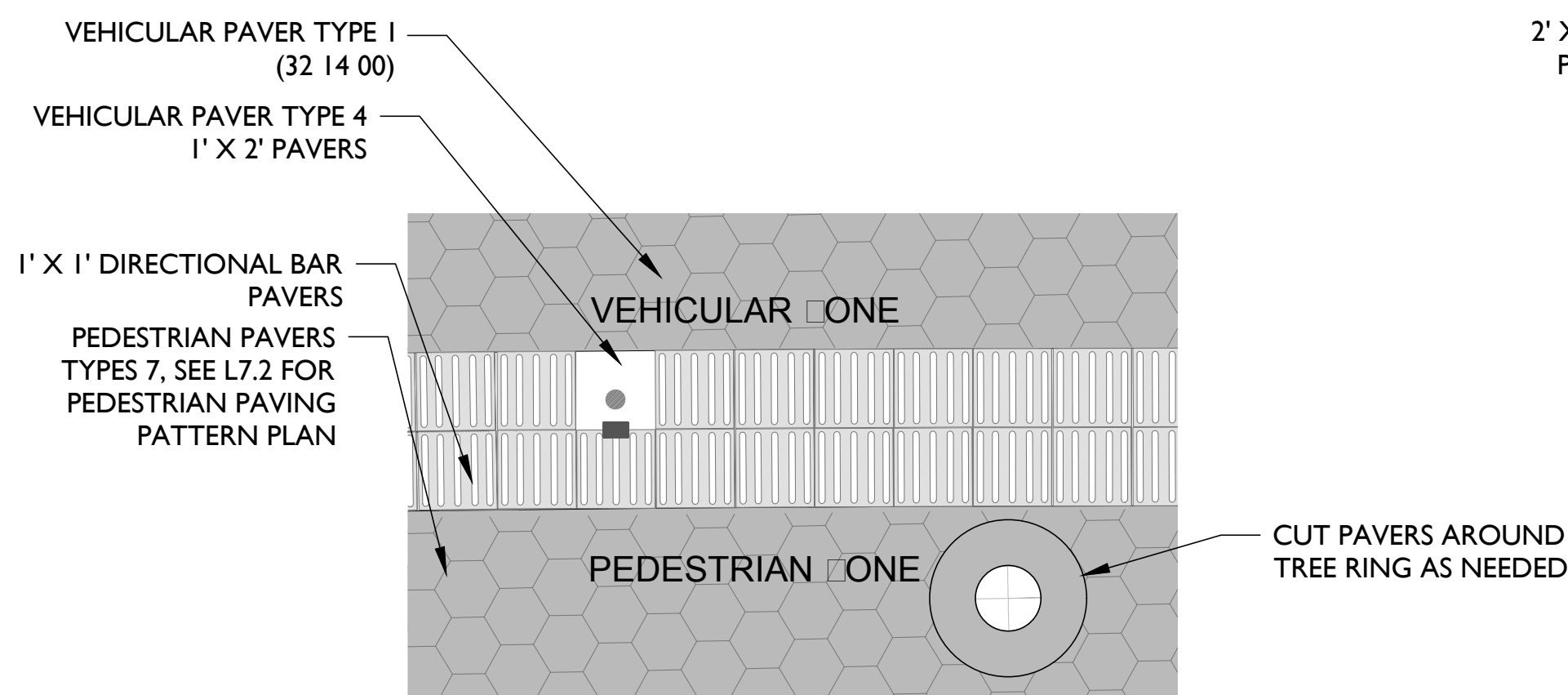
10
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

RAMP TO SHARED ONE, TYP

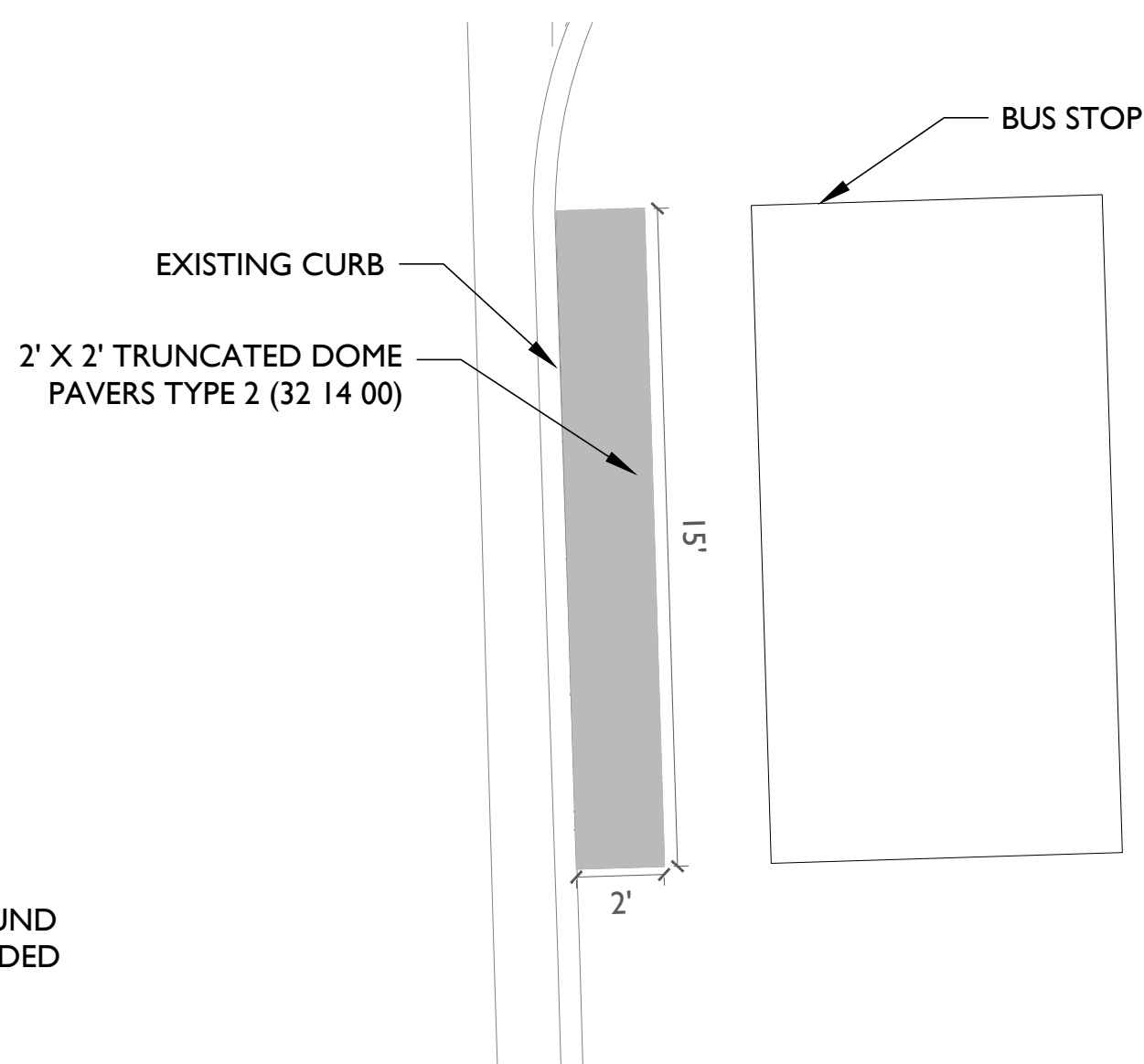
10
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

EDGE OF SHARED ONE, TYP

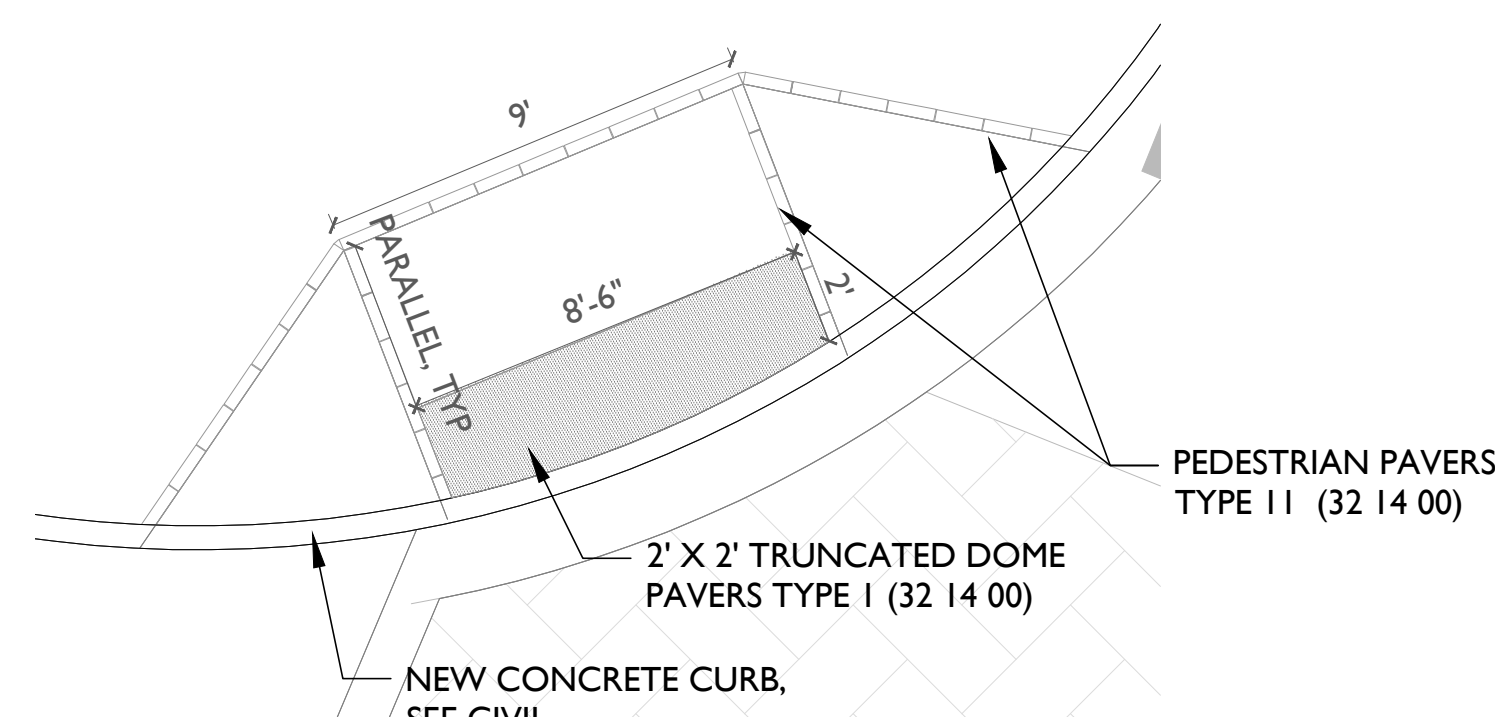
8
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

TRUNCATED DOMES AT BUS STOP

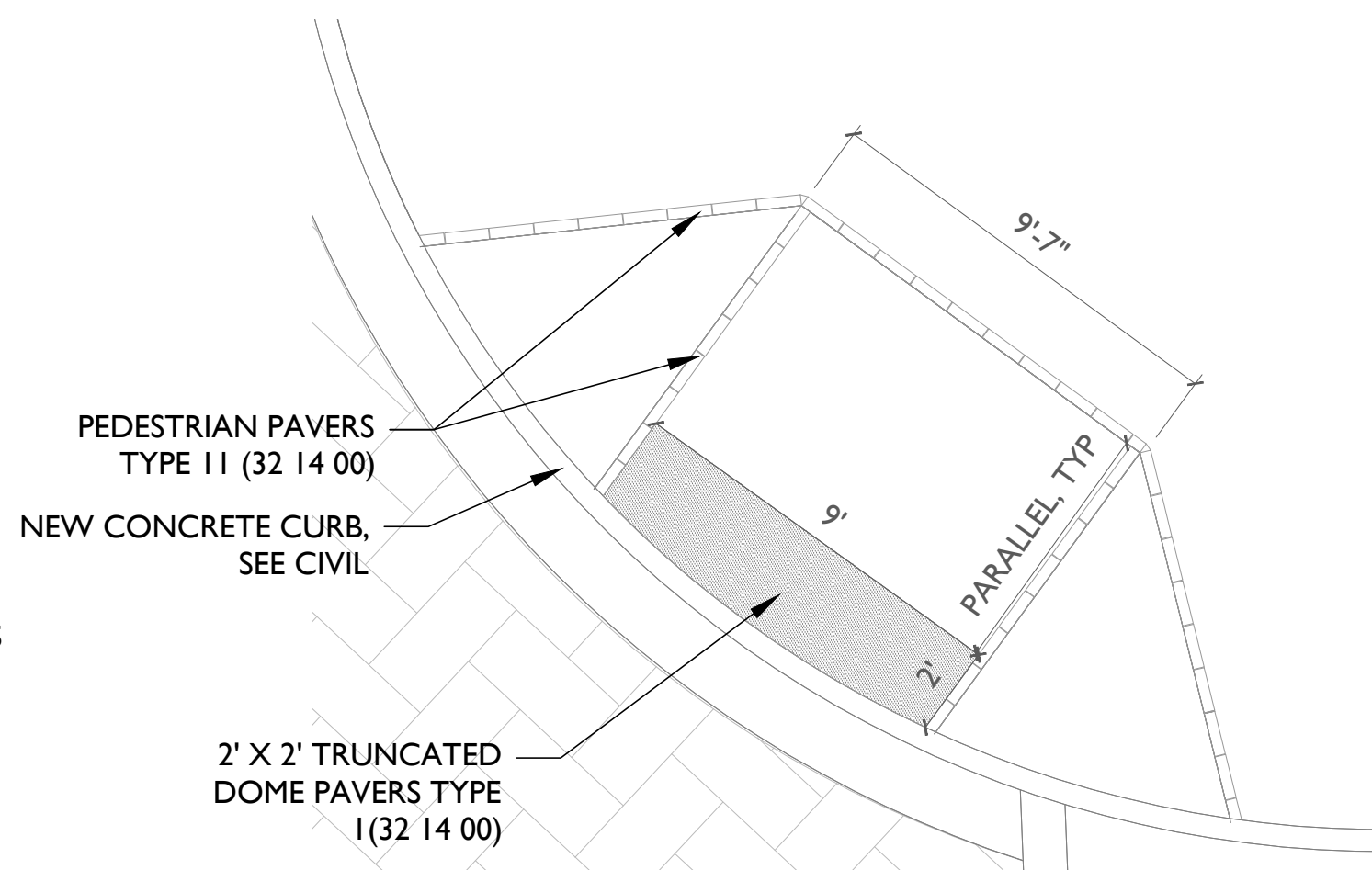
7
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

ADA RAMP MLK BLVD AND GA AVE AT MILLER PLAZA

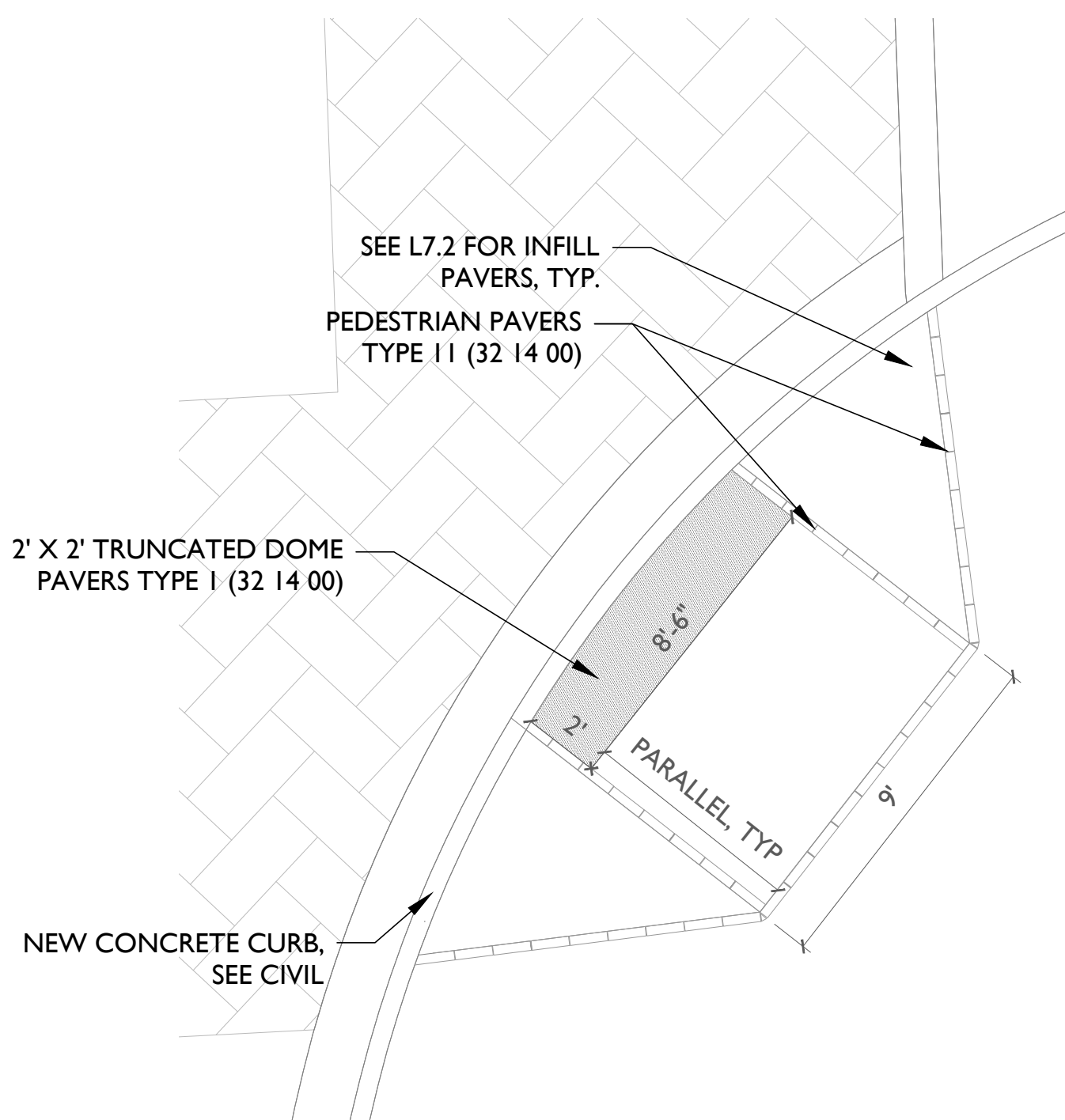
6
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

ADA RAMP AT MARKET ST AND MLK BLVD AT MILLER PLAZA

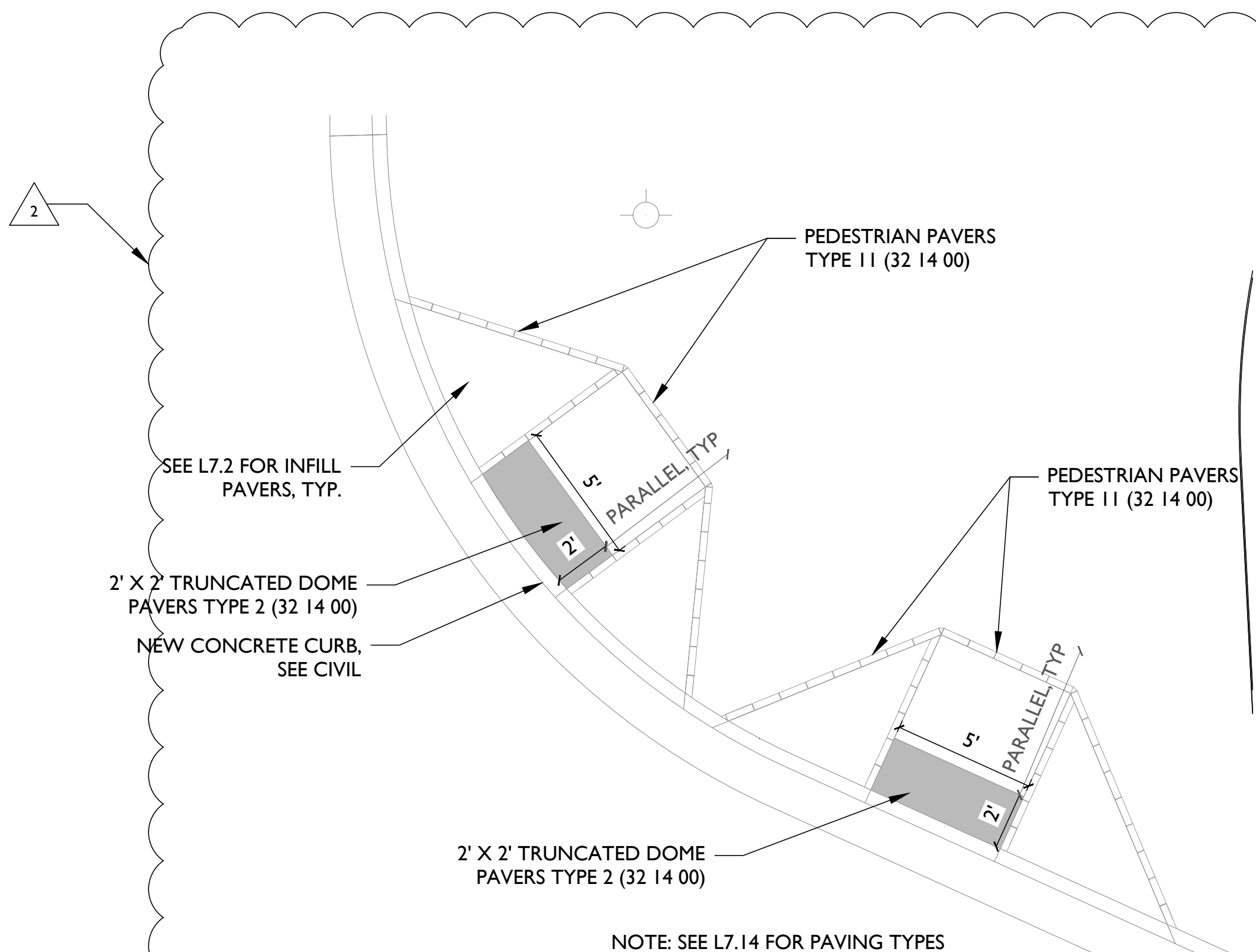
5
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

ADA RAMP AT MARKET ST AND MLK BLVD

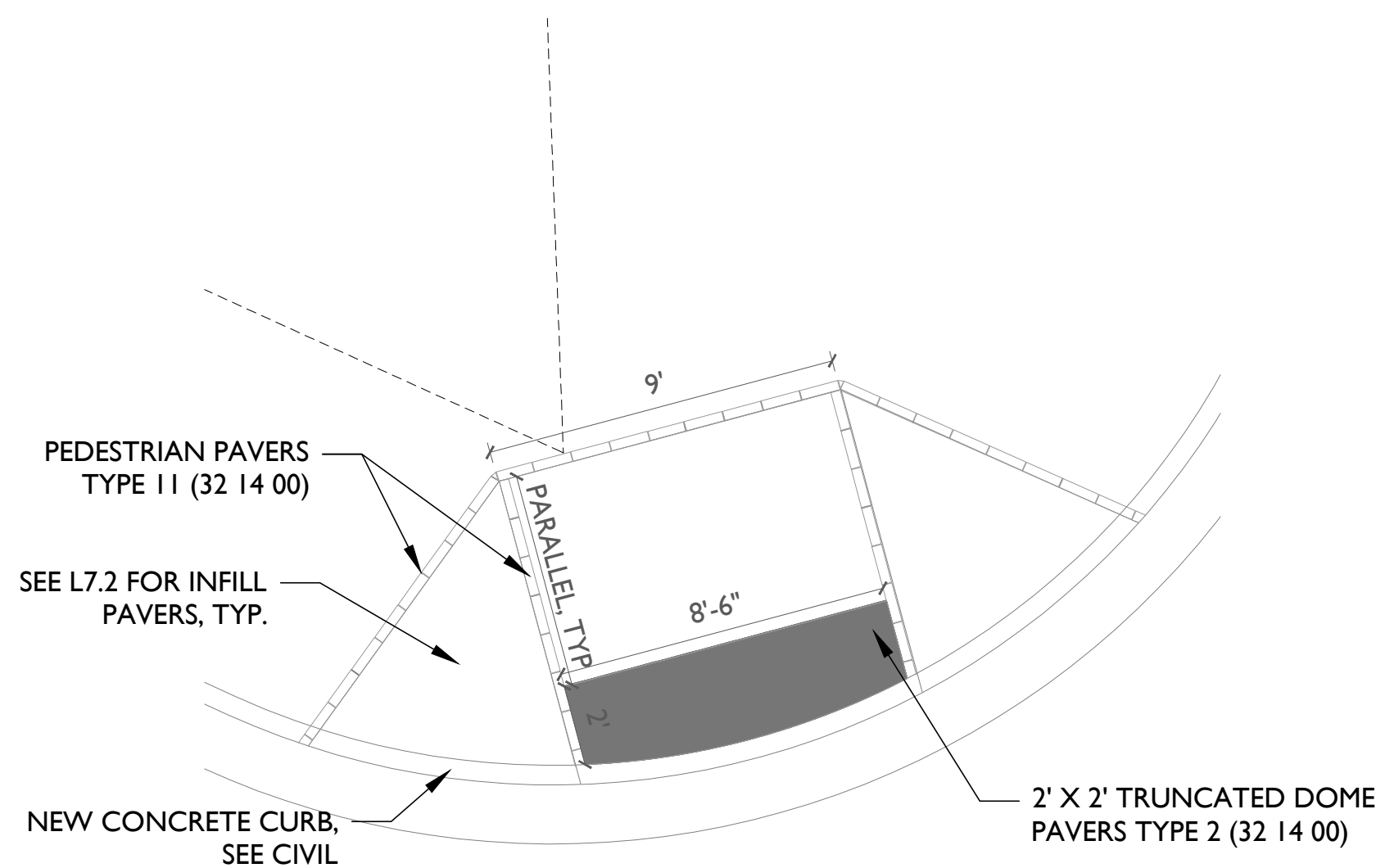
4
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

ADA RAMP AT MARKET ST AND E 10TH ST

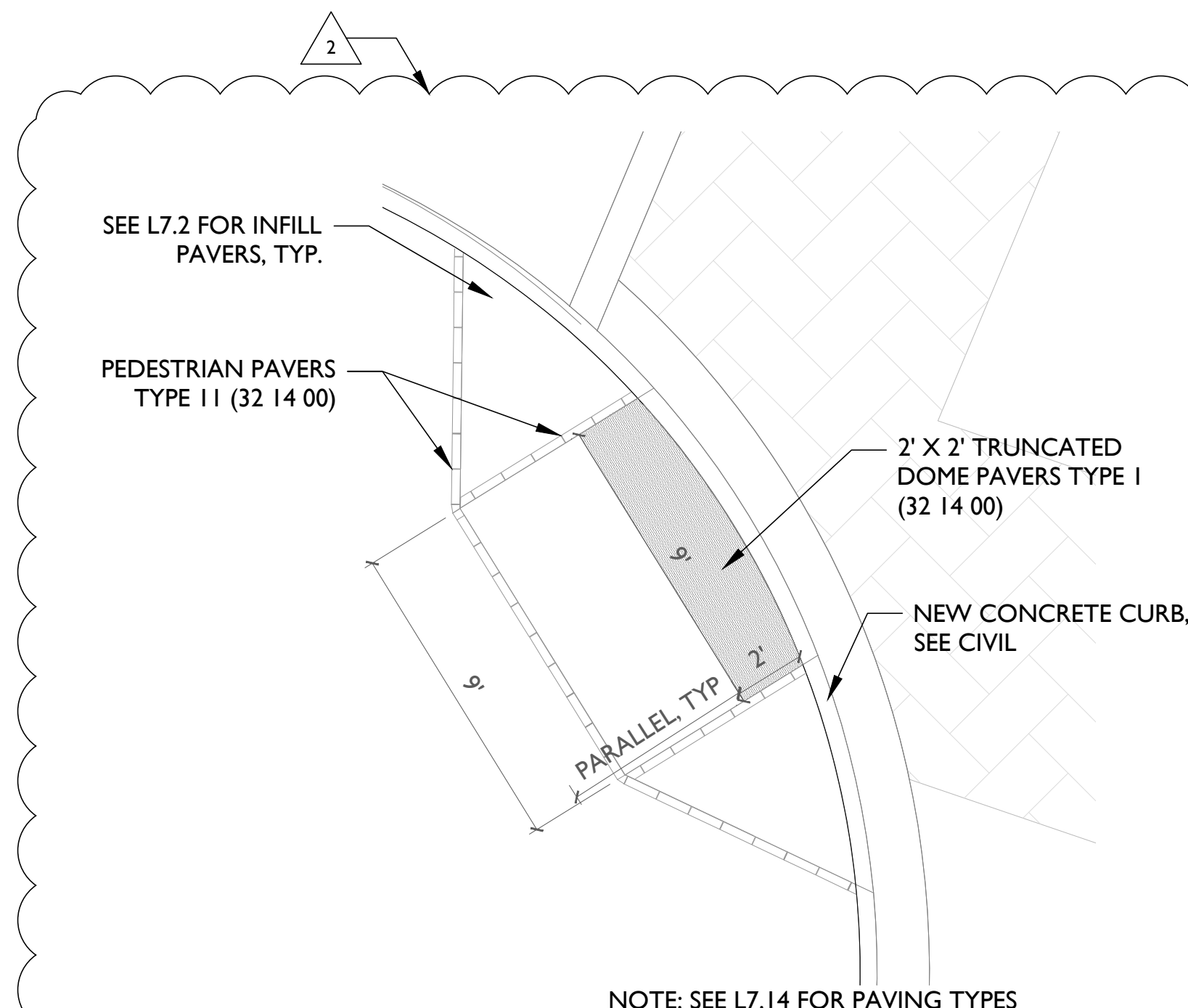
3
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

ADA RAMP AT GA AVE AND E 10TH ST

2
L7.1 L7.13 3/4" = 10'-0"



NOTE: SEE L7.14 FOR PAVING TYPES

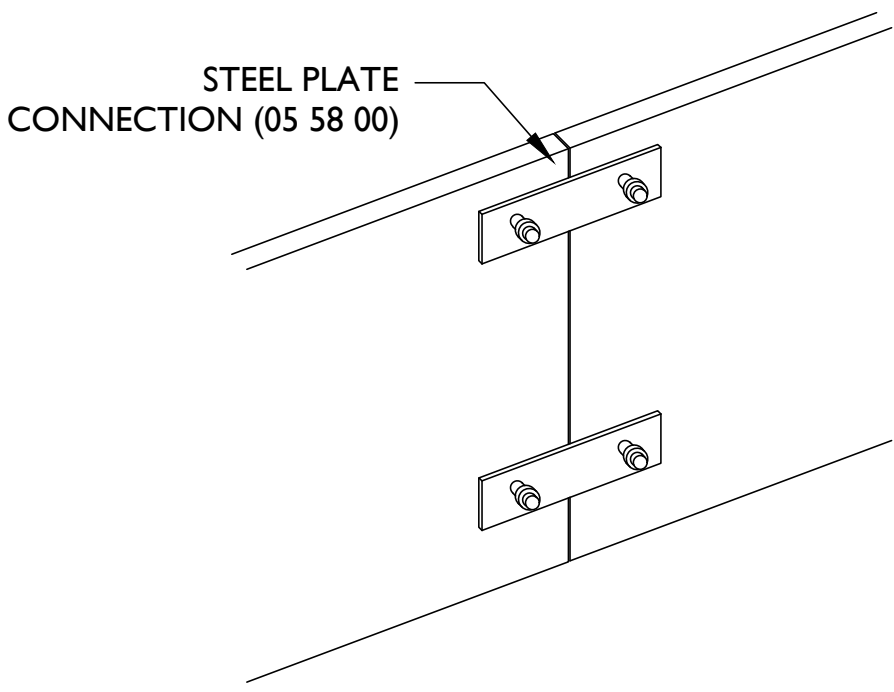
ADA RAMP AT MLK BLVD AND GA AVE

1
L7.1 L7.13 3/4" = 10'-0"

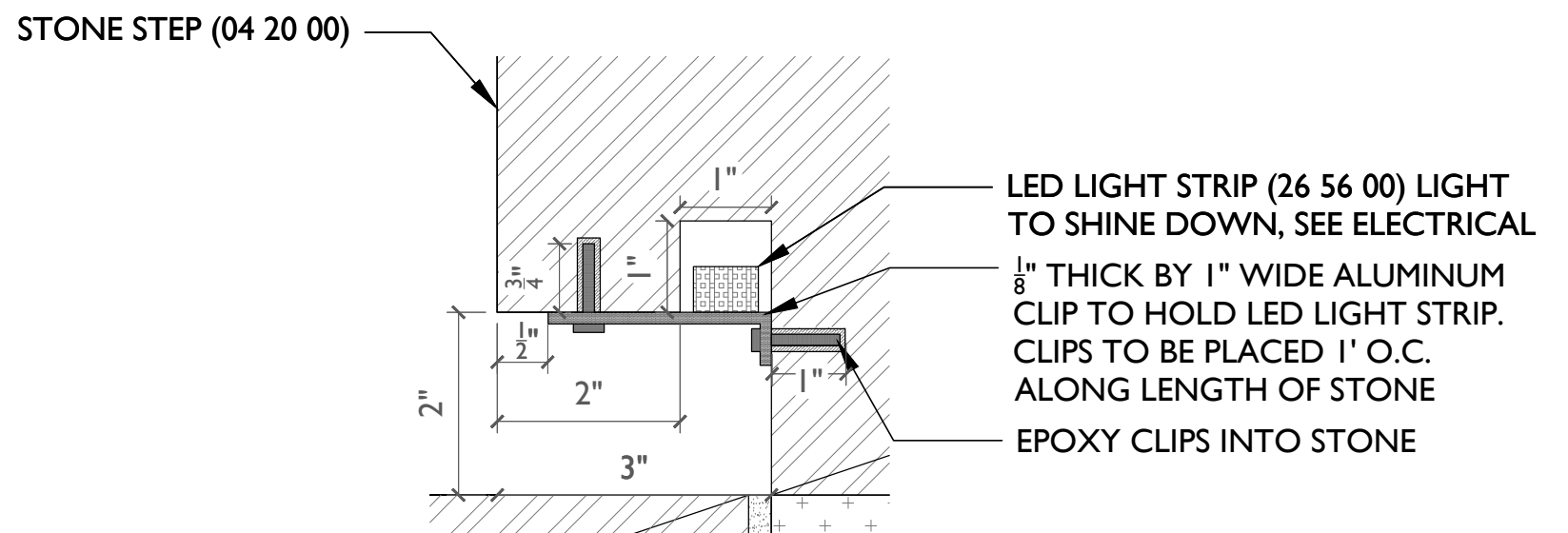
GENERAL NOTES

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

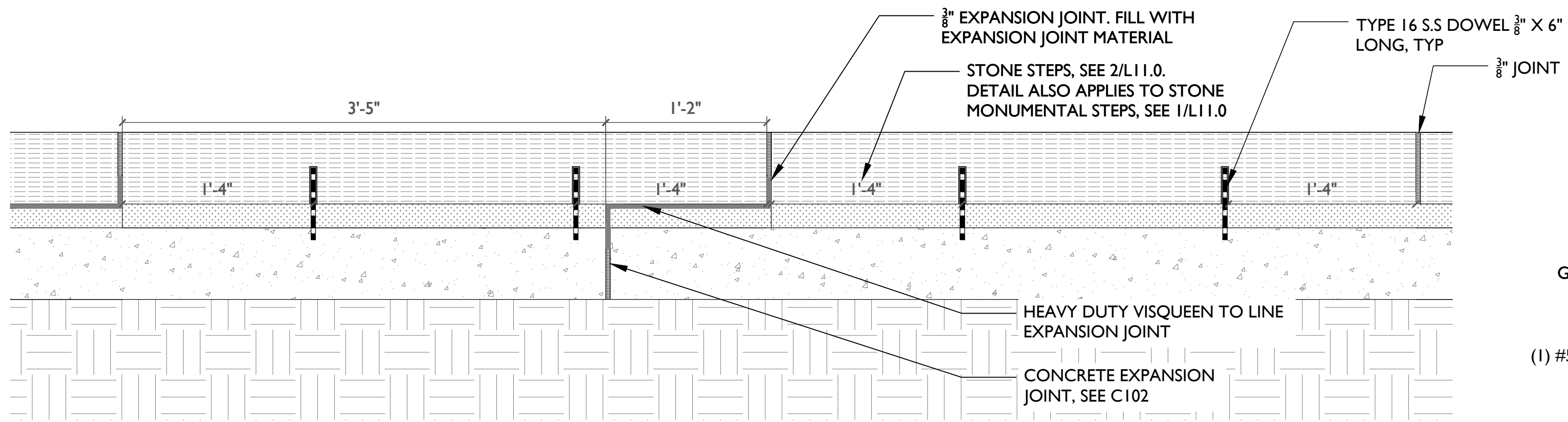
FIELD MEASURE CONCRETE BASE PRIOR TO FABRICATION OF STONE PIECES TO ENSURE PROPER CURVE AND FIT ON ALL STONE PIECES.



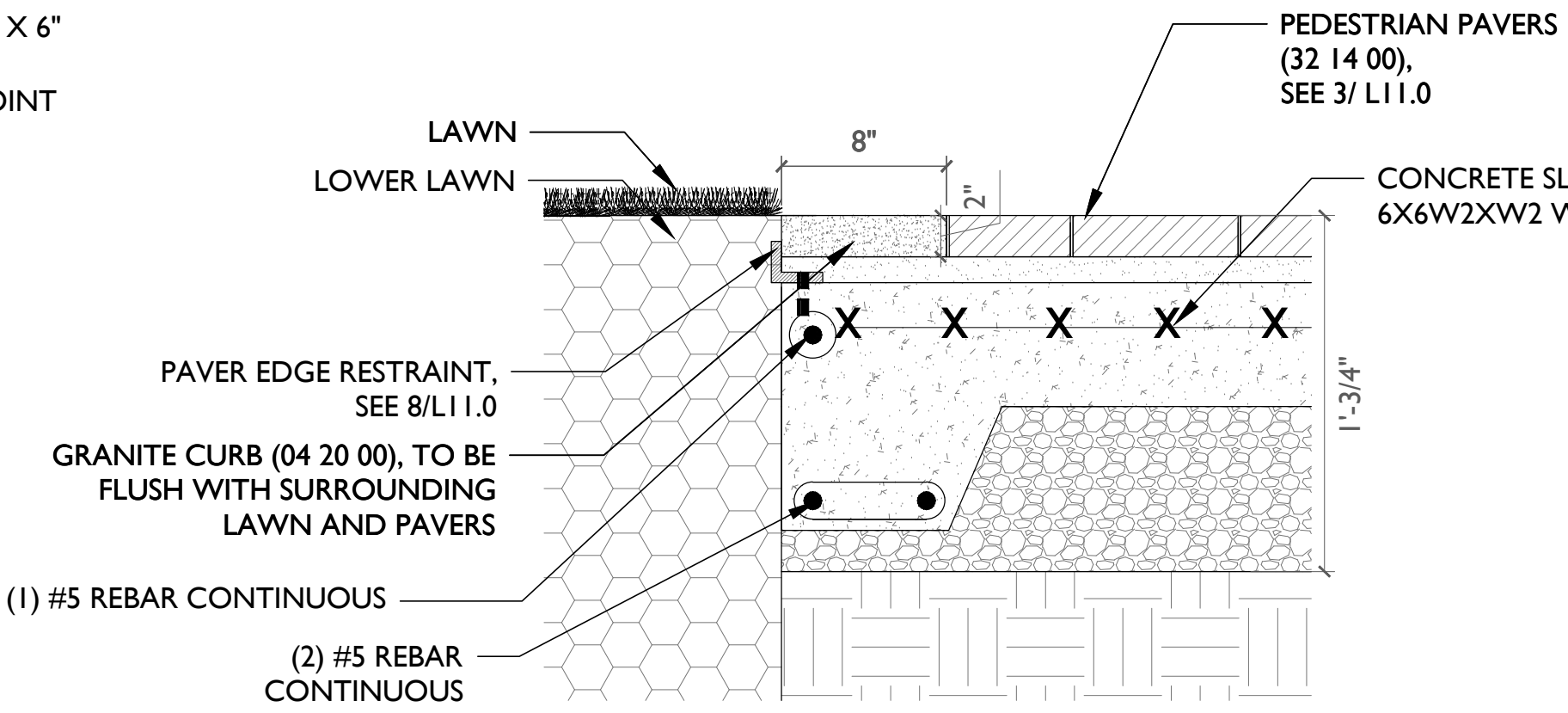
12 STEEL PLATE CONNECTION, TYP
L11.0 NTS



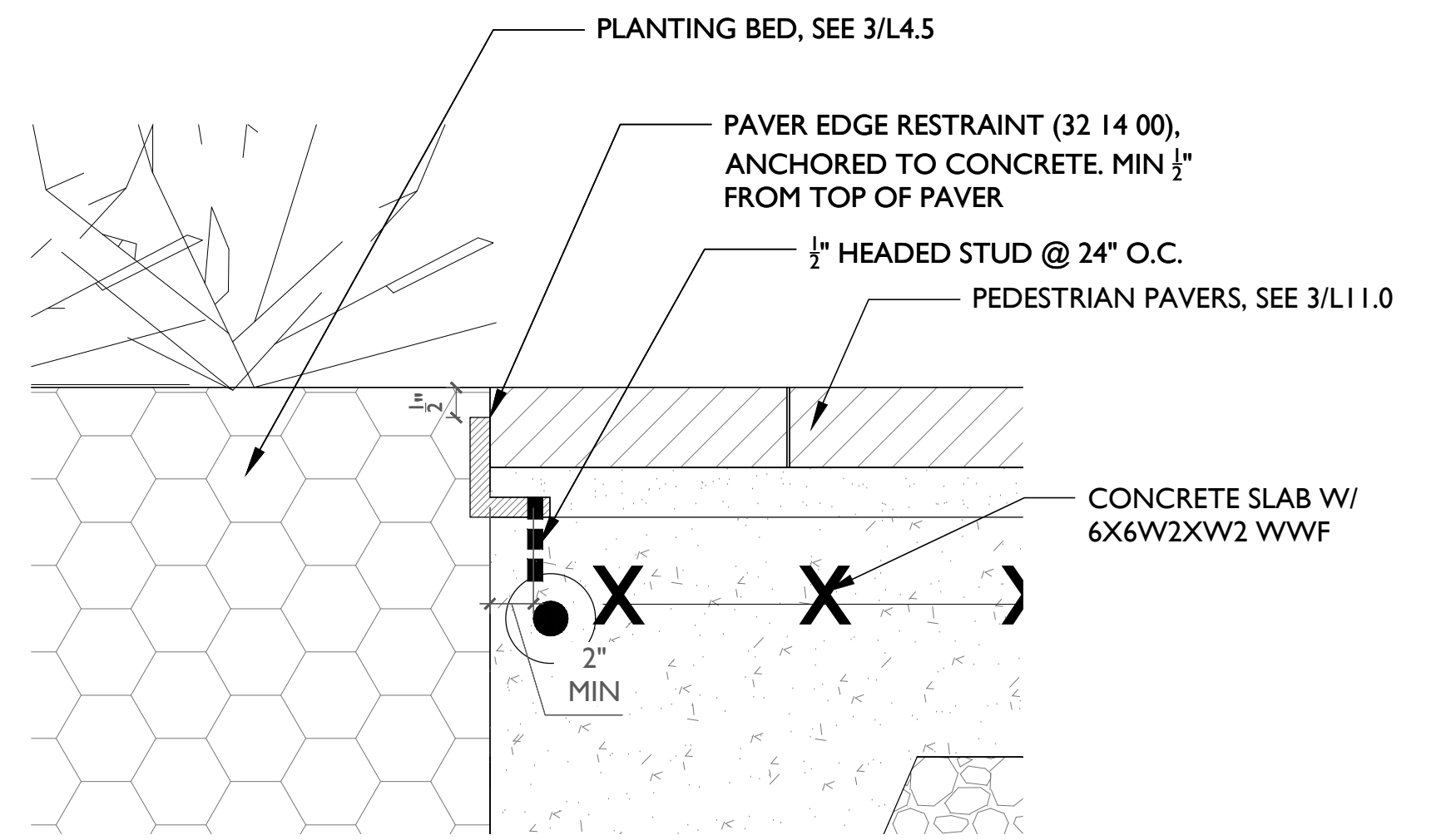
11 DETAIL OF LED LIGHT STRIP RECESSED IN STONE MONUMENTAL STEP, TYP
L11.0 6" = 1"



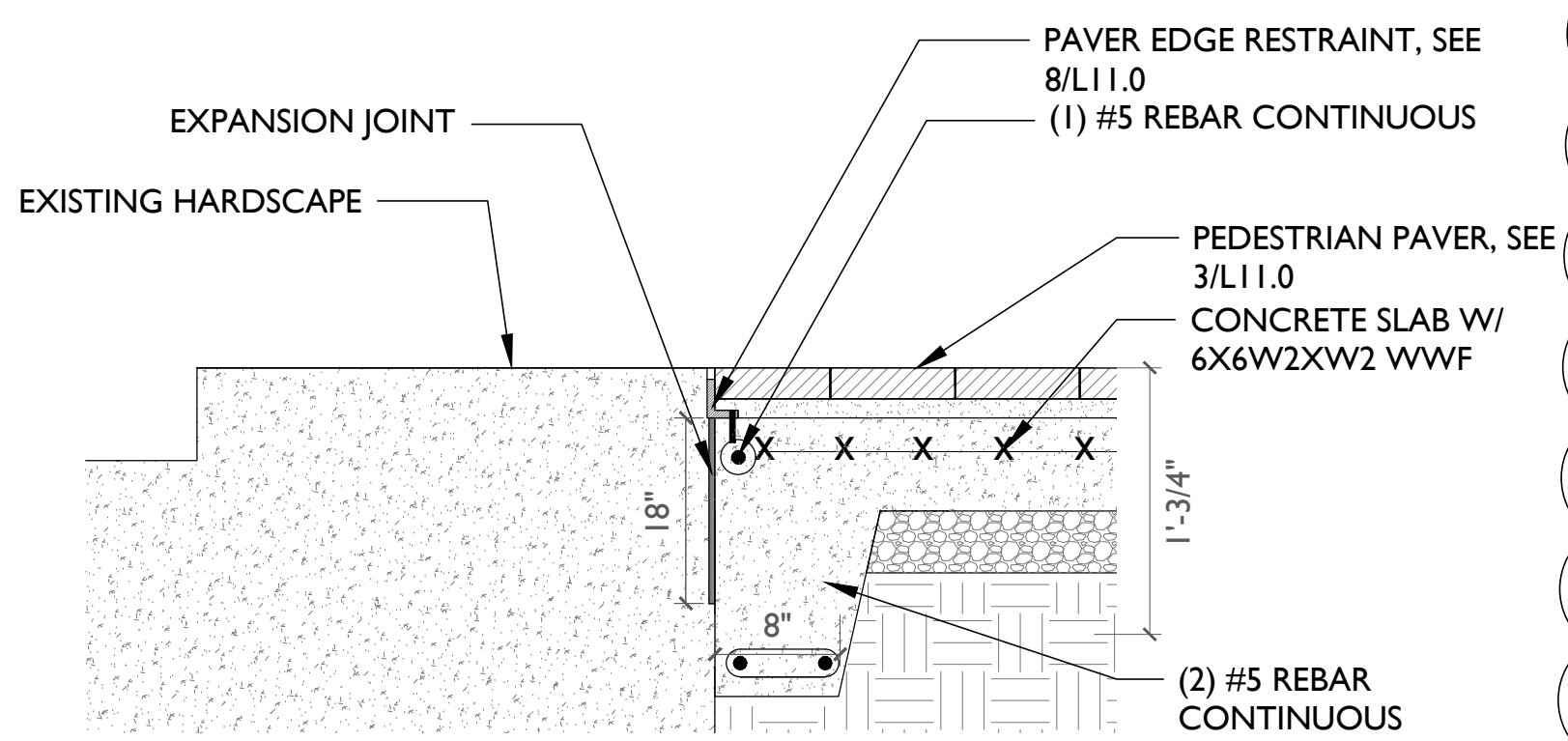
10 DETAIL OF EXPANSION JOINT THROUGH STONE STEPS, TYP
L11.0 1-1/2" = 1"



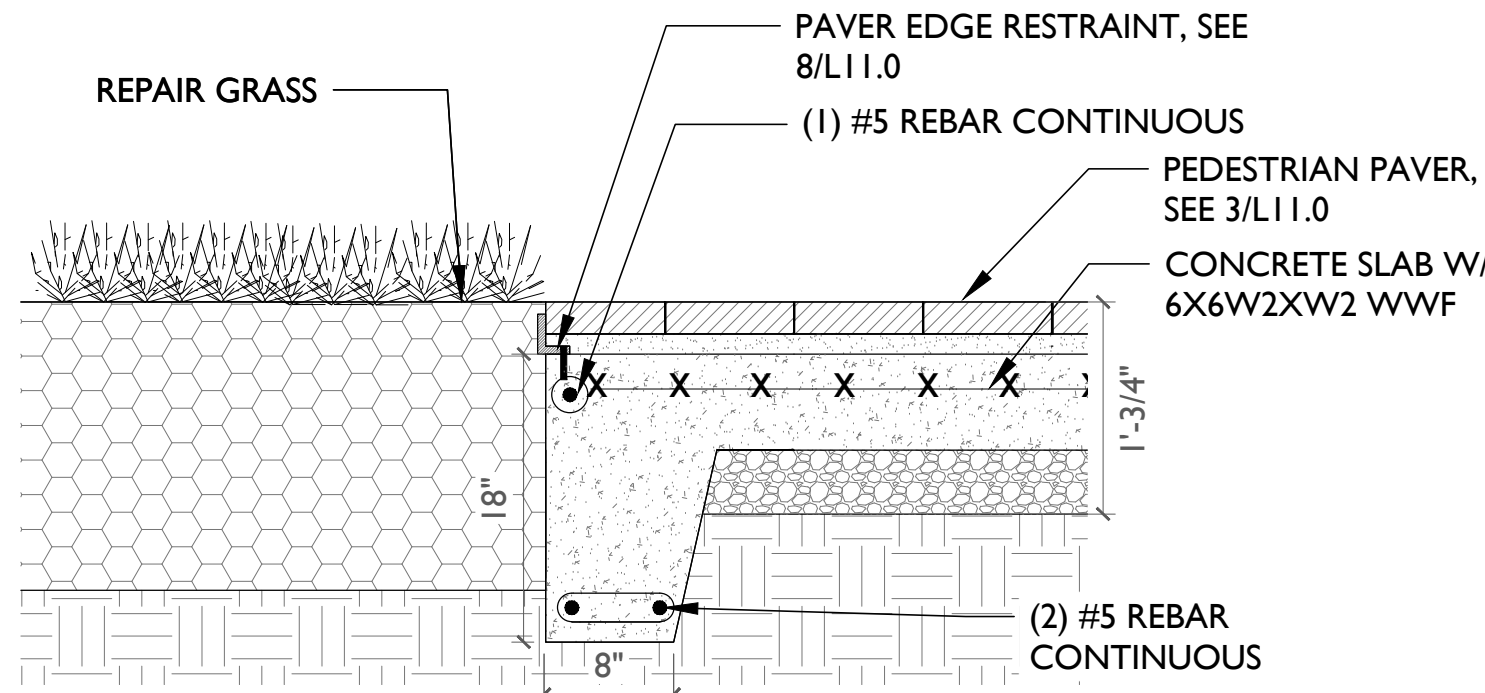
DETAIL OF LAWN EDGE, TYP
L11.0 1-1/2" = 1"



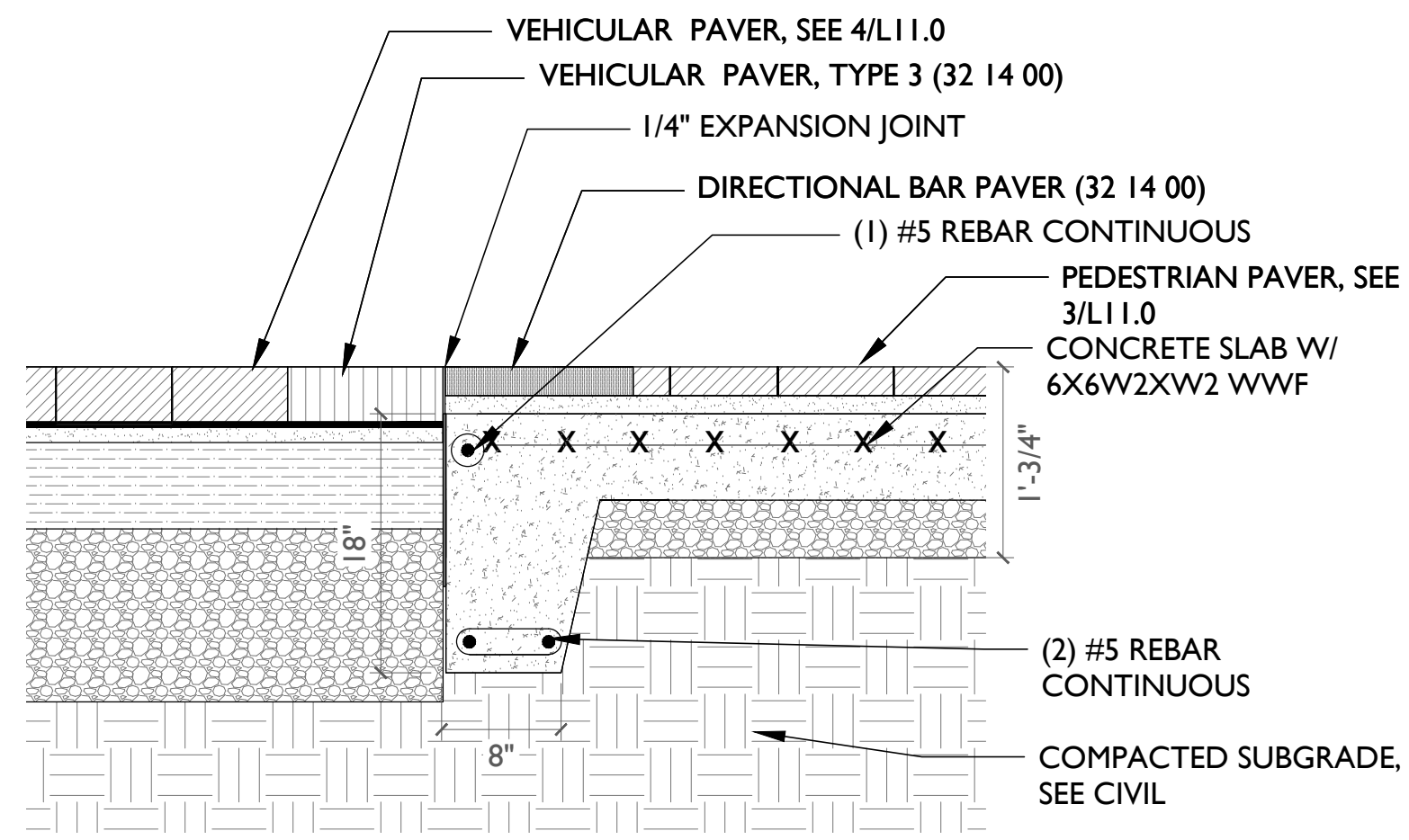
8 DETAIL OF PAVER EDGE, TYP
L11.0 3" = 1"



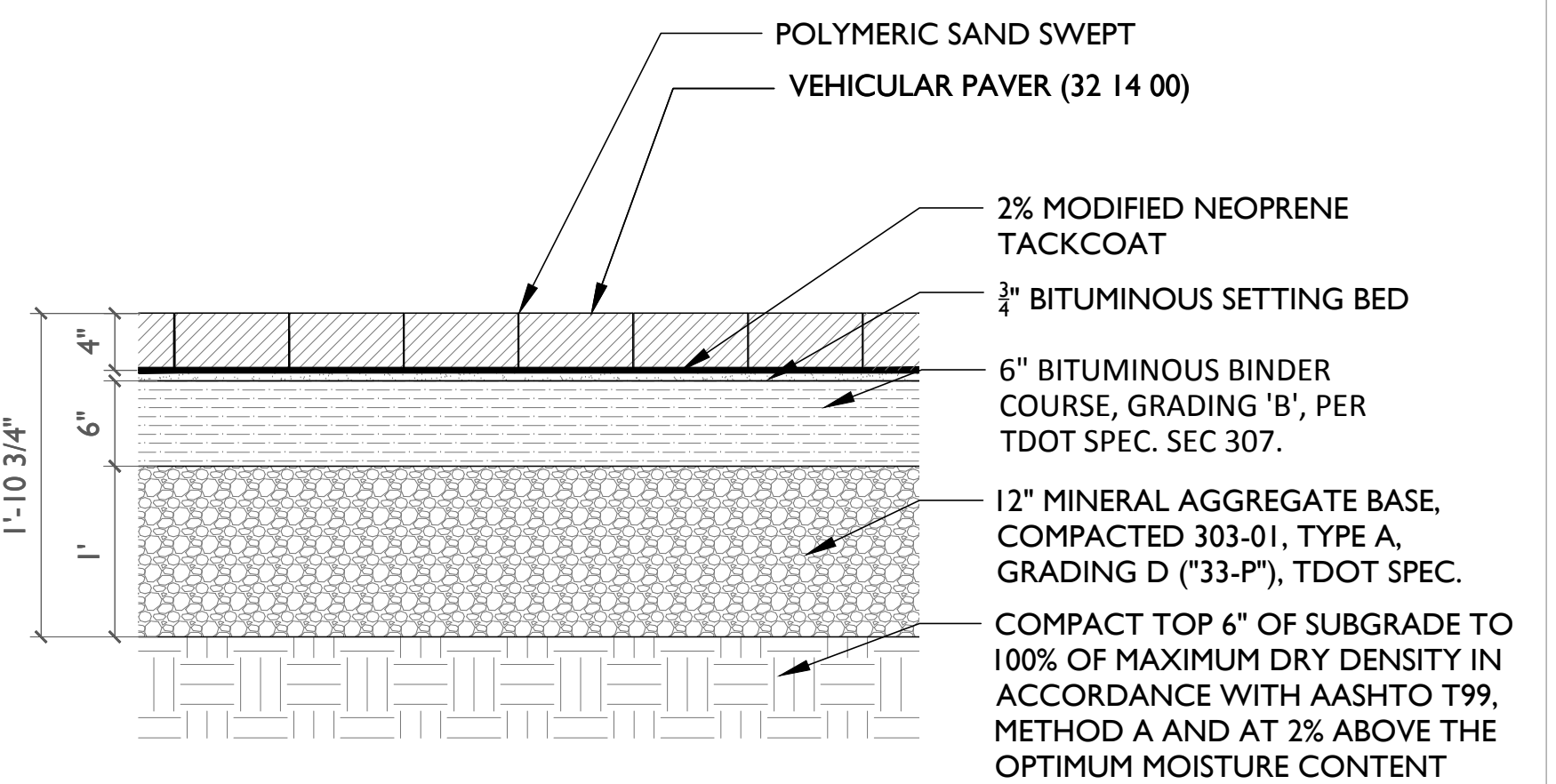
7 DETAIL OF PEDESTRIAN PAVER TO EXISTING HARDSCAPE AT MILLER PLAZA, TYP
L11.0 1" = 1"



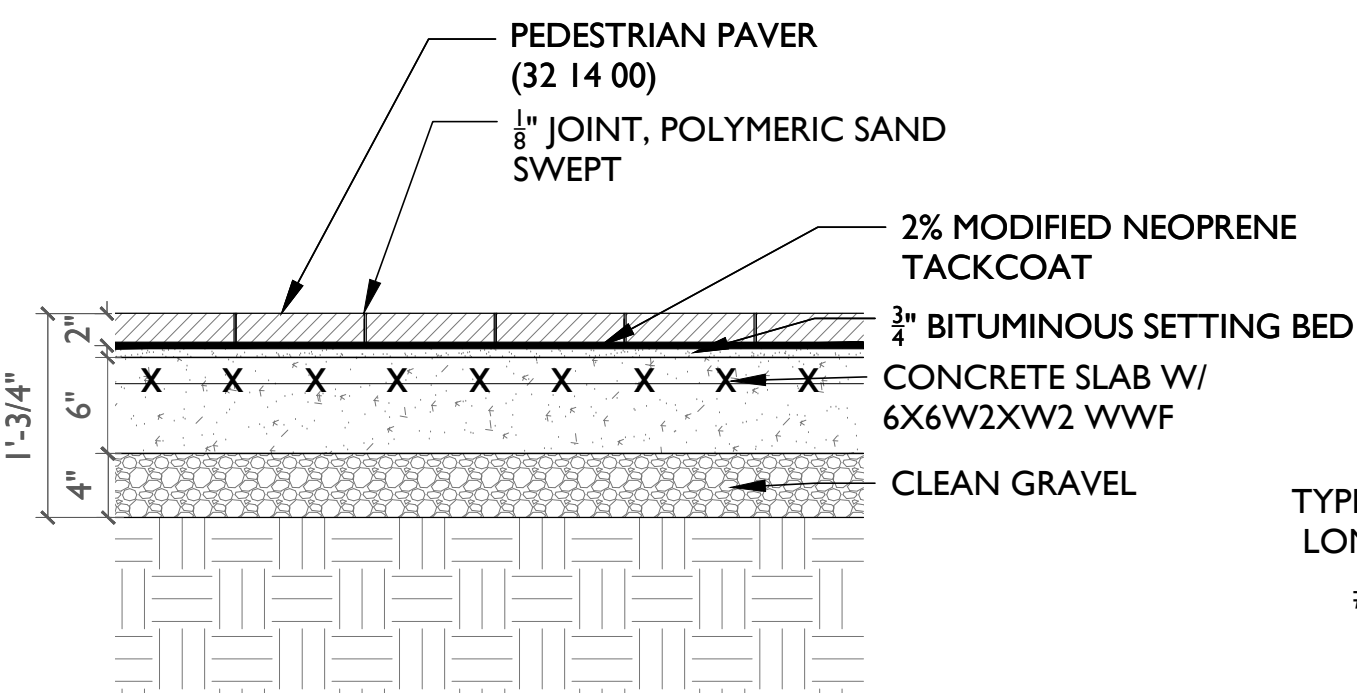
6 DETAIL OF PEDESTRIAN PAVER TO LANDSCAPE EDGE AT MILLER PLAZA, TYP
L11.0 1" = 1"



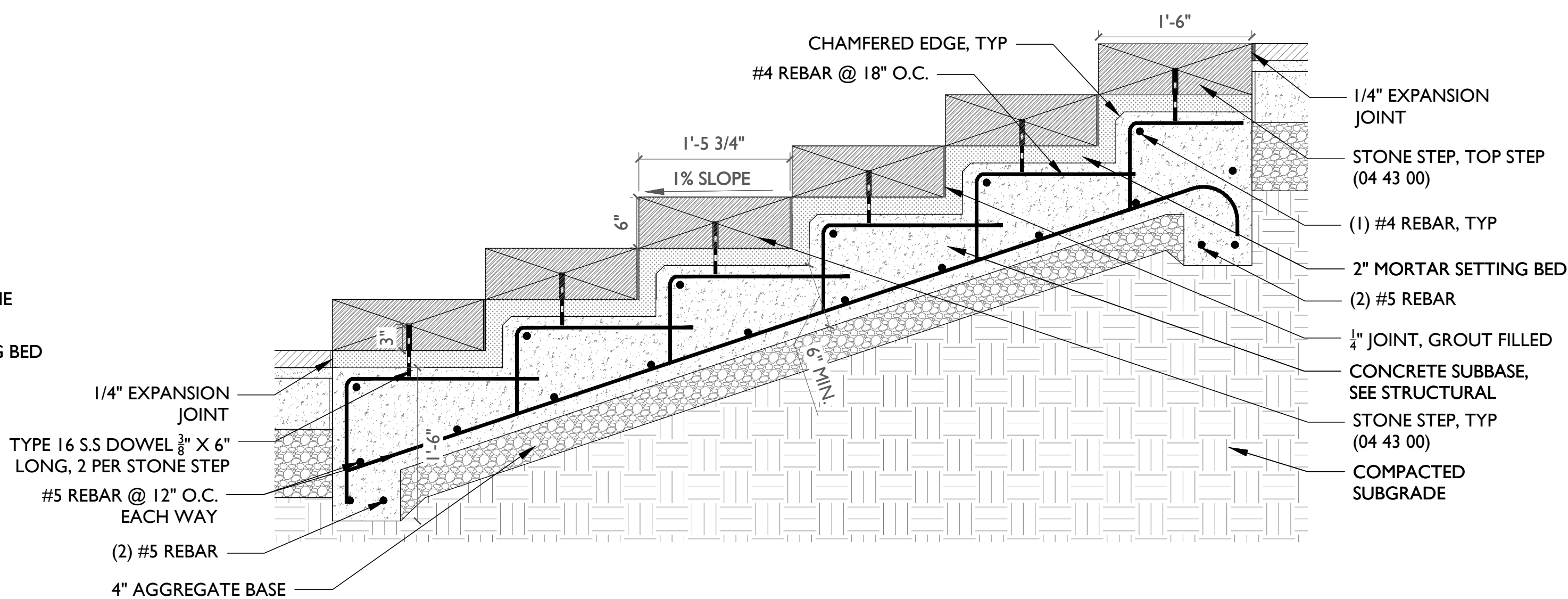
5 DETAIL OF VEHICULAR TO PEDESTRIAN PAVER APPLICATION, TYP
L11.0 1" = 1"



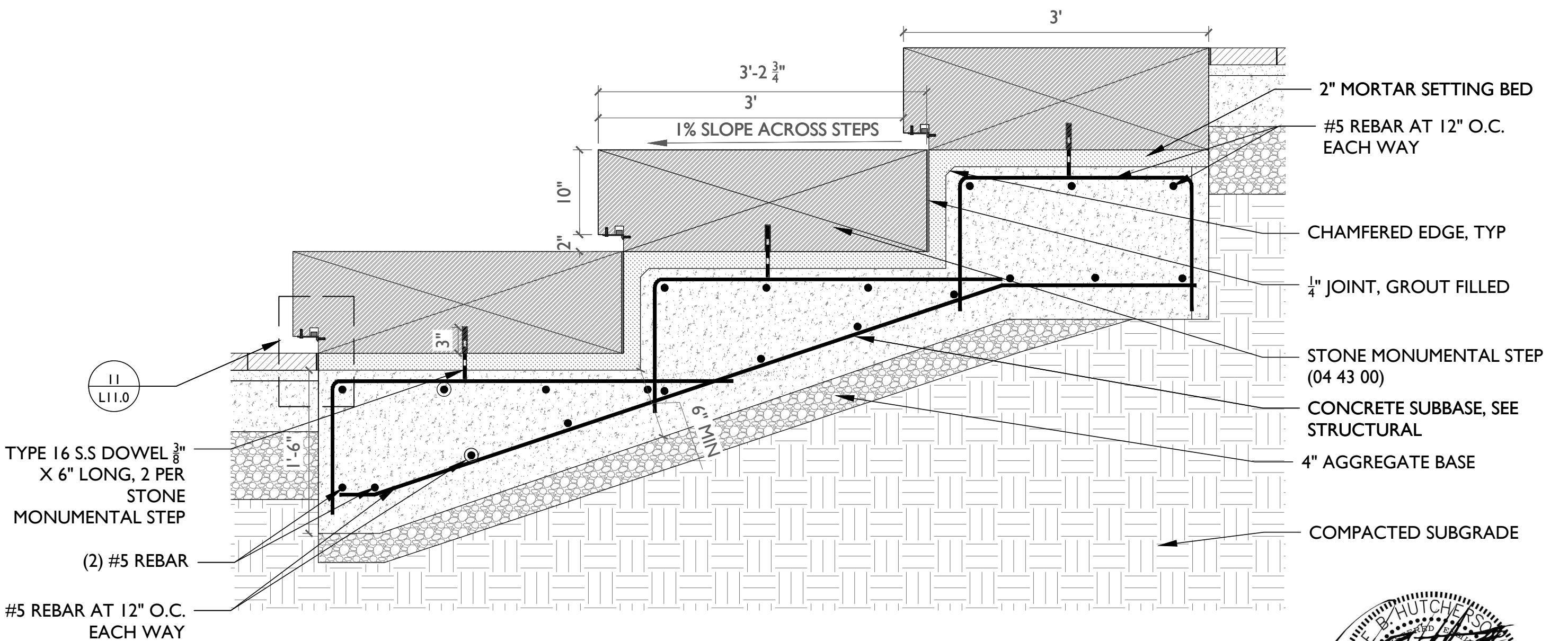
4 DETAIL OF VEHICULAR PAVER APPLICATION, TYP
L7.0 L11.0 1" = 1"



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"

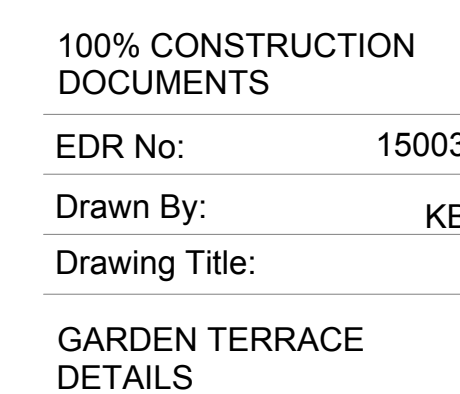
CONTRACT NO. R-14-011-201

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A Professional Corporation

Date: 12 DEC 2016

REVISIONS

2	18 JAN 2017
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L11.1



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



2/L10.1	L11.1	1" = 1'
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4 SECTION THROUGH GARDEN TRANSITION B

L11.1	$3/4'' = 1$
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3 SECTION THROUGH GARDEN TRANSITION A

L11.1	$3/4" = 1$
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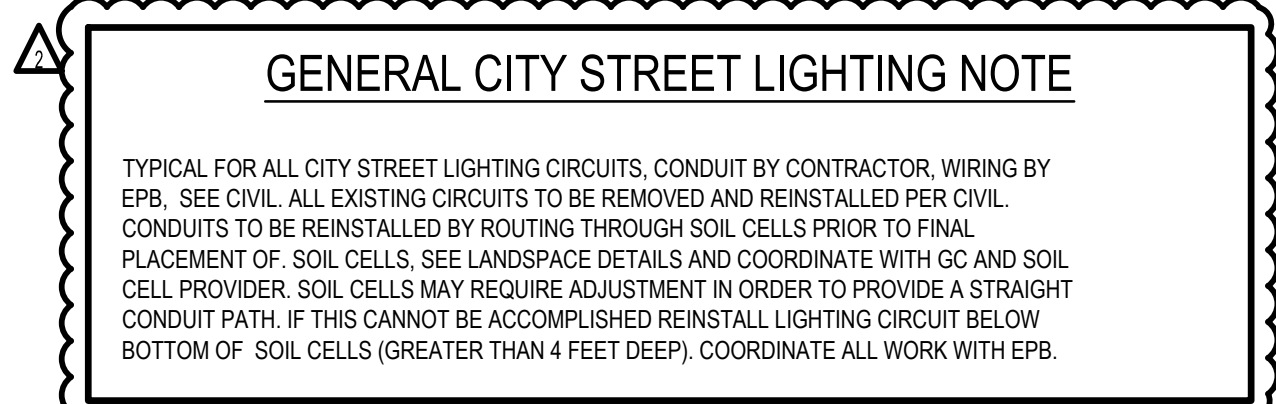
2 AXON VIEW OF GARDEN TERRACE TRANSITION

L11.1 N.T.S.

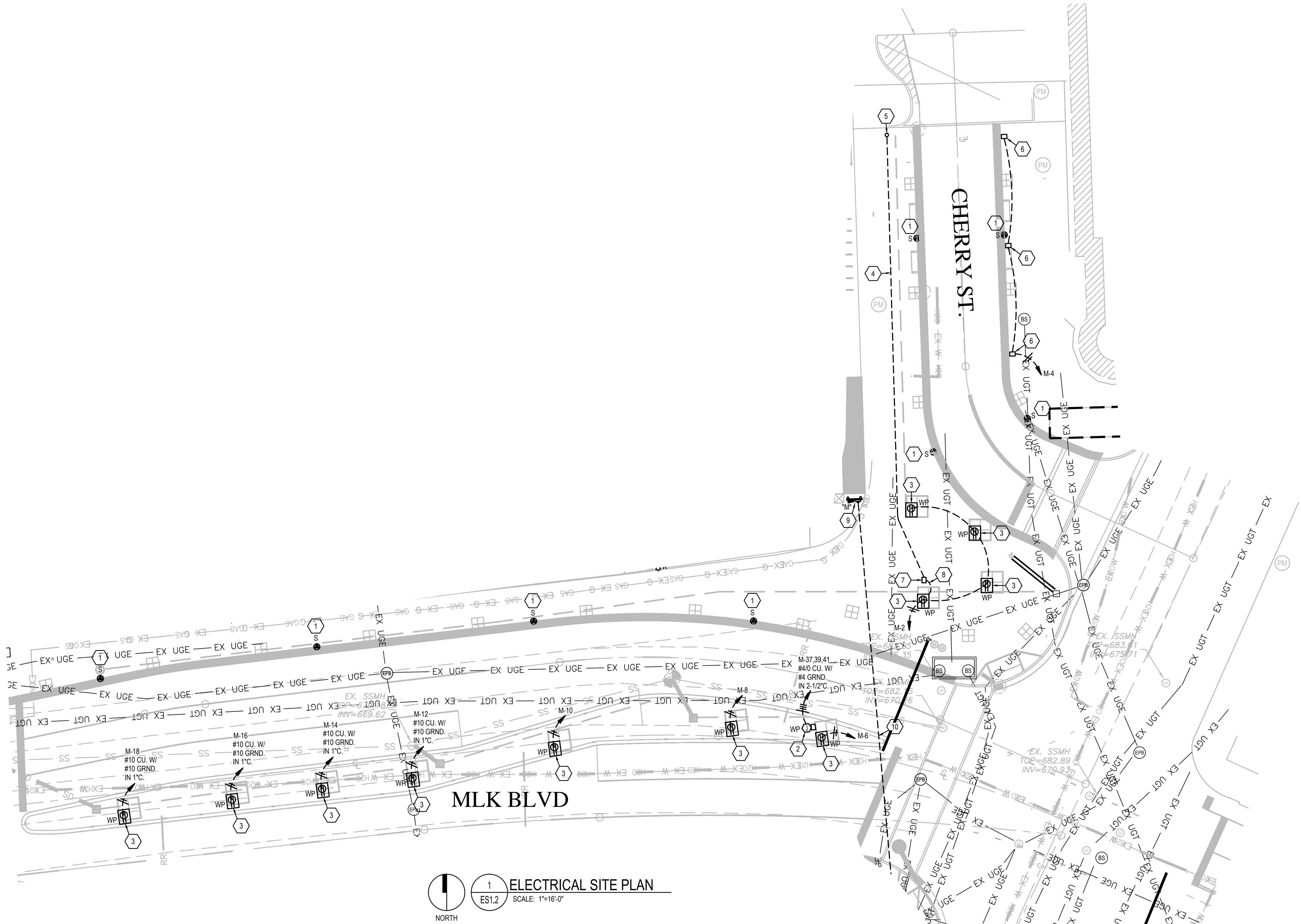


L1.0	L11.1	$1/4'' = 1$
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GENERAL CITY STREET LIGHTING NOTE

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 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 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 CHARGES 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 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 NETWORK CONNECTION POINT. SEE DETAIL BOXES 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 GREGA 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 KXSP20RUSV). 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 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.

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

MILLER PARK DISTRICT PHASE I

CONTRACT NO. R-14-011-201

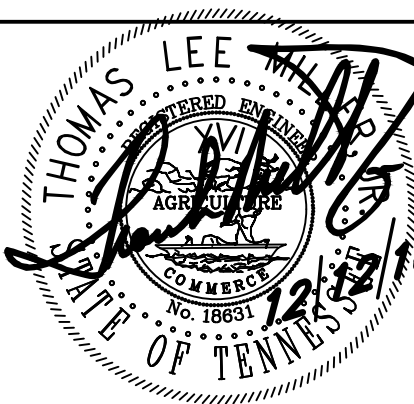
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Date: 12 DEC 2016

REVISIONS

1 01-06-17 ADDENDUM 1
2 01-18-17 ADDENDUM 2



100% CONSTRUCTION DOCUMENTS

EDR No: 15003

Drawn By: J. HORN

Drawing Title:

ELECTRICAL SITE PLAN

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Consulting Engineers
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Chattanooga, Tennessee 37404
PH: (423)698-6675
M.A.A.#: 19370

Sheet No: ES1.2