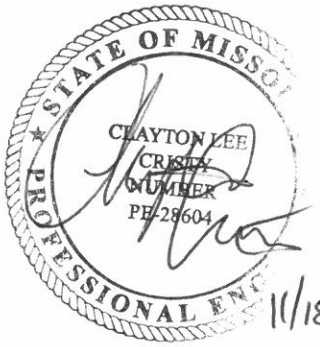
Project: New Joplin Library
Site Civil/Landscape Construction Documents
Volume 2 of 2

Client: City of Joplin

EDA PROJECT #: 05-79-05345

Date: November 18, 2015

Civil Engineering and Landscape Architecture



11/18/2015

ADDENDUM NO. 2

This addendum shall modify the drawings and specifications for volume 2 of 2 requirements as herein noted. This addendum, however, shall not relieve the General Contractor or his sub-contractors of any responsibility under the plans or specifications except as amended herein. Please regularly check the City of Joplin, Tri-State Engineering, and USA Print (417) 626-0966 for additional information.

General Clarification:

This project included a site grading package that is currently under construction by others. The phase I contractor has completed the stockpiling for phase 1.

The grading for phase 1 was observed by a technician from a geotechnical company. The fill removal and replacement was observed and documented. Proof rolling and compaction tests were performed on the building pad and phase II pavement areas (except areas that were to be undisturbed in phase 1).

The upper 2' of the phase 1 building pad was constructed using low volume change requirements per the geotechnical report.

The note on the phase I grading plans referring to the 1039.5 elevation at the building perimeter shall be clarified as follows: The phase I grading was constructed with a 1039.5 contour at the building perimeter. all other contours apply.

The temporary fence shown as phase 1 temporary fence will transfer to the phase II contractor. The temporary fence shall be modified as required by the phase II contractor. All temporary fencing shall be removed by the phase II contractor on a schedule approved by the owner.

The erosion control will be maintained by the Phase I contractor until the Phase II contractor is issued a notice to proceed. The erosion control will be left in place by the phase I contractor. The phase II contractor will be required to maintain or replace as necessary the required erosion control BMPs. The phase II contractor is also responsible for the SWPPP management and documentation.

City of Joplin Standard Specifications can be downloaded at the following address: http://mo-joplin.civicplus.com/DocumentCenter/View/3460

All asphalt specifications shall be per the City of Joplin Standard Specifications SECTION 2200 - ASPHALTIC CONCRETE SURFACE AND BASE. The surface course shall be BP-1 per "section 2200.2.2 Surface Asphaltic Concrete Mix Design Criteria" The Base Course shall be Bituminous Base per special provision Section 15. SECTION 2200 - ASPHALTIC CONCRETE SURFACE AND BASE listed in this addendum.

The contractor shall submit with their bid the size and manufacture of the permeable pavers to be used for the project.

Underground detention systems designs will be submitted to the City for final approval per City of Joplin requirements.

Section 000700 Special Provisions:

10. SECTION 3100 PORTLAND CEMENT CONCRETE:

The following shall apply to the City's standard specification:

Class B: 4,000 PSI at 28 Days

The following section shall be added to the Special Provisions.

15. SECTION 2200 - ASPHALTIC CONCRETE SURFACE AND BASE:

The following shall replace section 2200.2.3 Base Asphalt Mix Design Criteria, of the City's standard specification:

2200.2.3 Base Asphalt Concrete Mix Design Criteria : All streets shall use MODOT Standard mix Plant Mix Bituminous Base. Reference Section 401 most current Missouri Standards and Specifications for Highway Construction.

Section 321413.1 Permeable Pavers

Paver size shall be 12" x 6", 10" x 5", 9 7/16" x 4 3/4" or an approved substitution size. Thickness shall be 3 1/8" Minimum. Paver must be laid using a herringbone pattern or approved pattern.

Plans Clarification or Amendments:

Sheet CS-03 Revision: All labels and notes referencing "Permeable Pavement" shall be replaced with "Permeable Pavers". See detail sheet CS-13 "Permeable Pavers Typical Section" This typical detail and the specification for permeable pavers shall be the minimum requirement for permeable pavers. Additional aggregate or other installation requirements shall be provided per manufactures requirements.

See attached sheets (2 permeable Pavers and 1 Underground detention substitution forms) for approved substitutions:

Clayton L. Cristy P.E.
TRI-STATE ENGINEERING, INC.
702 S. Main Street
Joplin, Mo. 64802

SUBSTITUTION REQUEST FORM

MAIL TO: Sapp Design Associates Architects, P.C.
3750 South Fremont Avenue
Springfield, Missouri 65804

PROJECT: Joplin Library
Joplin, Missouri

SPECIFIED ITEM: 321403-3 2.01 Permeable Conc. Pavers A.1 Unilock a. Eco-Optiloc

PROPOSED SUBSTITUTE: Belgard Aqualine L Shaped Pavers

SUBMITTED BY:

Firm: Midwest Block and Brick

Address: 1650 E Atlantic Springfield MO 65803

Signature: [signature]

Date: 11/11/15 Phone No. 417-840-6431 Fax No. 417-869-6052

Attach complete description, designation, catalog or model number, Spec Data Sheet and other Technical Data and samples, including Laboratory Tests if Applicable.

Why is substitution being submitted? [X] Pre-Bid Substitution [ ] Specified Product not available (explain)
[ ] Cost Savings to Owner [ ] Other (explain)

Fill in blanks below:

1. Will substitution affect dimension indicated on drawings? NO
2. Will substitution affect wiring, piping, ductwork, etc., indicated on drawings? NO
3. What effect will substitution have on other trades? NONE
4. Differences between proposed substitution and specified item? manufacturer, range of colors
5. Any and all impacts on costs, design modifications, additional architectural and engineering services, material and labor changes, schedule changes, and other unanticipated consequences, resulting from this substitution in lieu of the specified item, shall be the full responsibility of the contractor and his subcontractors and supplier.
6. Manufacturer's warranties of the specified items and proposed items are: [X] same [ ] different, *explain:*
7. Why Specified Product /Material cannot be provided. distributed by another vendor

REVIEW COMMENTS:

[ ] **No Exception taken to Submitted Manufacturer**
Manufacturer only is accepted due to time limitations for full review of product, or because no specific product data is submitted, or other unspecified reasons. Contractor must still bear full responsibility for compliance with contract requirements.

[ ] **No Exception taken to Specific Products**

[X] **Exceptions Noted** (Below)
See attached copy or notes on product literature

[ ] **Not Accepted**

[ ] **Received too Late** [ ] **Incomplete Submission**

By: [signature] Date: 11/16/2015

Remarks: Pattern to be approved prior to placement.
See Special Provisions & Addendums.

SUBSTITUTION REQUEST FORM

MAIL TO: Sapp Design Associates Architects, P.C.
3750 South Fremont Avenue
Springfield, Missouri 65804

PROJECT: Joplin Library
Joplin, Missouri

SPECIFIED ITEM: ECO Pinora 6" x 12" x 3 1/8"

PROPOSED SUBSTITUTE: ECO-Pinora 4 3/4" x 9 7/16" x 3 1/8"

SUBMITTED BY:

Firm: Pavestone

Address: 601 NE Pavestone Dr. Lee's Summit MO 64064

Signature: Brenda Chapman

Date: 11-17-15 Phone No. 816-799-6205 Fax No. 816-524-9901

Attach complete description, designation, catalog or model number, Spec Data Sheet and other Technical Data and samples, including Laboratory Tests if Applicable.

Why is substitution being submitted? [X] Pre-Bid Substitution [ ] Specified Product not available (explain)
[ ] Cost Savings to Owner [ ] Other (explain)

Fill in blanks below:

1. Will substitution affect dimension indicated on drawings? no
2. Will substitution affect wiring, piping, ductwork, etc., indicated on drawings? no
3. What effect will substitution have on other trades? none
4. Differences between proposed substitution and specified item? The proposed substitution is 1/4" shorter in width and 2 1/2" shorter in length.
5. Any and all impacts on costs, design modifications, additional architectural and engineering services, material and labor changes, schedule changes, and other unanticipated consequences, resulting from this substitution in lieu of the specified item, shall be the full responsibility of the contractor and his subcontractors and supplier.
6. Manufacturer's warranties of the specified Items and proposed items are: [X] same [ ] different, *explain:*
7. Why Specified Product /Material cannot be provided. Specified dimensions of paver cannot be provided by Pavestone due to paver mold availability.

REVIEW COMMENTS:

[ ] **No Exception taken to Submitted Manufacturer**
Manufacturer only is accepted due to time limitations for full review of product, or because no specific product data is submitted, or other unspecified reasons. Contractor must still bear full responsibility for compliance with contract requirements.

[ ] **No Exception taken to Specific Products**

[X] **Exceptions Noted**
See attached copy or notes on product literature

[ ] **Not Accepted**

[ ] **Received too Late** [ ] **Incomplete Submission**

By: [signature] Date: 11/17/2015

Remarks: See Special Provisions & Addendums

SUBSTITUTION REQUEST FORM

MAIL TO: Sapp Design Associates Architects, P.C.
3750 South Fremont Avenue
Springfield, Missouri 65804

PROJECT: Joplin Library
Joplin, Missouri

SPECIFIED ITEM: UNDERGROUND DETENTION

PROPOSED SUBSTITUTE: ALUMINIZED CSP DETENTION (PERFORATED)

SUBMITTED BY: ROB RICHARDSON

Firm: CONTECH ENGINEERED SOLUTIONS, LLC

Address: 4151 E KEARNEY, SPRINGFIELD MO. 65803

Signature: Rob Richardson

Date: 11/16/15 Phone No. 417-459-7875 Fax No. 417-886-9469

Attach complete description, designation, catalog or model number, Spec Data Sheet and other Technical Data and samples, including Laboratory Tests if Applicable.

Why is substitution being submitted? [X] Pre-Bid Substitution [X] Cost Savings to Owner [X] Specified Product not available (explain) ONE SOURCE [ ] Other (explain) _____

Fill in blanks below:

1. Will substitution affect dimension indicated on drawings? YES
2. Will substitution affect wiring, piping, ductwork, etc., indicated on drawings? NO
3. What effect will substitution have on other trades? NONE
4. Differences between proposed substitution and specified item? MATERIAL IS ALUMINIZED CSP, CSP SYSTEM WILL HAVE BETTER ACCESS FOR INSPECTION AND MAINTENANCE. FASTER CONTRACTOR INSTALLATION
5. Any and all impacts on costs, design modifications, additional architectural and engineering services, material and labor changes, schedule changes, and other unanticipated consequences, resulting from this substitution in lieu of the specified item, shall be the full responsibility of the contractor and his subcontractors and supplier.
6. Manufacturer's warranties of the specified items and proposed items are: [X] same [ ] different, *explain:* ALUMINIZED TYPE 2 HAS A 100 YEAR LIFE EXPECTANCY - SEE ATTACHED SERVICE LIFE
7. Why Specified Product /Material cannot be provided. SPECIFIED CHAMBERS ARE A ONE SOURCE PRODUCT

REVIEW COMMENTS:

[ ] **No Exception taken to Submitted Manufacturer**
Manufacturer only is accepted due to time limitations for full review of product, or because no specific product data is submitted, or other unspecified reasons. Contractor must still bear full responsibility for compliance with contract requirements.

[ ] **No Exception taken to Specific Products**

[X] **Exceptions Noted**
See attached copy or notes on product literature

[ ] **Not Accepted**

[ ] **Received too Late** [ ] **Incomplete Submission**

By: TSE, Shaun McConnaughey, P.E. Date: 11/18/2015

Remarks: Substitution conditionally approved. Hydraulic design calculations will need reviewed prior to approval. Final approval is subject to review of the Owner. This approval does not relieve the supplier of the conditions within the contract documents.

DESIGNWORKSHOP
Landscape Architecture
Planning
Urban Design

120 E. Main St.
Aspen, CO 81611
970-925-8354
970-920-1387 fax

www.designworkshop.com

ADDENDUM NO. 2

Project:	New Joplin Library
	Site Landscape Construction Documents
	Volume 2 of 2
Client:	City of Joplin
EDA PROJECT#:	05-79-05345
Date:	November 18, 2015
Subject:	Landscape Architecture Addendum No. 2

This addendum shall modify the drawings and specifications for volume 2 of 2 requirements as herein noted. This addendum, however, shall not relieve the General Contractor or his sub-contractors of any responsibility under the plans or specifications except as amended herein. Please regularly check the City of Joplin, Tri-State Engineering, and USA Print (417) 626-0966 for additional information.

This Document Includes

- Responses to RFIs on Landscape / Site Related Items
- Plan Changes Descriptions
- Specification Changes Descriptions
- Approved Substitution Requests
- Updated Drawings – Revision 2

RESPONSE TO RFIs – Landscape and Site Related Items

Response to RFI #1 from Dewitt & Associates dated – 11.09.15

11. Referring to sheet L7-11 & L12, please provide the type of wood material needed for bench type 2, 3, and 4.

See Specifications Division 329800 Site Appurtenances – pages 5 and 6 of this section for specific product specifications and Materials. Items 5.8, 5.9, and 5.10 accordingly.

Division 32-061063 – Exterior Rough Carpentry and 32-061070-Acrylic Panel Fabrication further describe the Materials requirements for bench type 4.

12. Referring to sheet L7-11, please provide the details of the attachment of the wood to the steel uprights for bench types 2 & 3. Do the steel uprights need to be painted? If so what color. Please advise.

It should be assumed these benches are pre-fabricated by Landscape Forms.

The Landscape Forms product contact is:
Vivian Kovacs
Business Development Mgr.
Landscape Forms Inc.

Office: 800.430.6206 x1323
Fax: 269.337.1373
Viviank@landscapeforms.com
www.landscapeforms.com

Should the contractor wish to fabricate themselves or substitute another product substitution request form should be submitted including the contractors proposed construction methods as they differentiate from the Manufacturers design.

13. Referring to sheet L7-12, can the bench type 4be cast in place in lieu of architectural precast? Please advise.

Yes this would be considered as a potential alternative. The contractor should submit a substitution request form.

While it is possible to cast this feature on-site the contractor should be aware of the high level of tolerances per the Pre-cast specifications. We would request that the contractor provide a written description of intended forming methods, quality control and would require a partial mock-up of 5'-0" in length of one bench on site as part of the approval for a cast in place option.

Response to Electrical Question for Joplin Public Library, Ryan Sengel – 11.13.15

1) Plan sheet L3-03 shows two Bollards (Type 3 - Non-Lighted Structural Core) at the east end of the sidewalk. Plan sheet ME101 shows these two bollards to be powered (LP1-24, LC5). Are these supposed to be lighted bollards (Type 2 – Lighted Structural Core)?

Yes, The note on the two eastern bollards should read 5.4 as Type 2 - Lighted Structural Core

---

Response to Joplin Public Library Landscaping questions, Clint Walton – 11.16.15

* Explanations below. Drawings have been updated and included in the addendum relating to these questions. Thank you for your attention to these items. Please also see updated sheet L0-04 General Information with Master Plants list, quantities, sizes and takeoffs.

1. Sheet L9-01
a. plan notes a PA-1, legend notes a PA-1 plant type under both Ornamental grasses and Perennials. Which PA-1 is to be used on this sheet?

This is the Ornamental Grass on this sheet. The Legend has been updated for all sheets to reflect the perennial PA-1 to now be PAF-1.

2. Sheet L9-02
a. plan notes a PA-1, legend notes a PA-1 plant type under both Ornamental grasses and Perennials. Which PA-1 is to be used on this sheet?

This is the Ornamental Grass on this sheet. The Legend has been updated for all sheets to reflect the perennial PA-1 to now be PAF-1

b. plan shows a plant type PA-3 Which plant is that in the legend?

This should be PA-1 Ornamental Grass

3. Sheet L9-03

a. plan notes a tree QP-5, legend notes a QP-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

b. plan notes a shrub IV-5, legend notes a IV-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

c. plan notes a perennial EP-1, legend notes as EP-6 is that the correct type?

Yes this is correct. Plan has been updated on all sheets to reflect corrections.

4. Sheet L9-04

a. plan notes a tree QP-5 legend notes a QP-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

b. plan notes a shrub IV-5, legend notes a IV-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

c. plan notes a shrub CD-5, legend notes a CD-3 and a CS-5 which is correct?

Legend was incorrect. Should be CD-5 as on plan. Legend has been updated to reflect corrections.

d. plan notes a plant type PA-3 Which plant is that in the legend? There are 2 different locations looks like 2 different plants.

At lower left this should be PA-1 (ornamental grass)
At Lower Right / Middle this should be PA-B (Bulb)

e. plan notes a perennial EP-1, legend notes an EP-6 is that the correct type?

Yes this is correct. Plan has been updated on all sheets to reflect corrections.

5. Sheet L9-05

a. plan notes a tree QP-5, legend notes a QP-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

b. plan notes a shrub CD-5 legend notes a CD-3 and a CS-5 which is correct?

Legend was incorrect. Should be CD-5 as on plan. Legend has been updated to reflect corrections.

c. plan notes a plant PA-1 legend notes a PA-1 under both Ornamental grass and Perennials. Which PA-1 is to be used on this sheet?

PA-1 on this sheet referenced Perennial Fern. This has been updated on drawings and all legends to now be represented as PAF-1 (ornamental grass remains PA-1)

d. plan notes a plant EP-1 legend notes an EP-6 is that the correct type?

Yes this is correct. Plan has been updated on all sheets to reflect corrections.

6. Sheet L9-06

a. plan notes a shrub IV-5, legend notes a IV-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

b. plan notes 702SF of PA-B bulbs should that be each and not square feet? Where shown on Sheet 9-08 it does not call out SF.

This should be 140EA on this sheet. See Quantity totals have not changed on L0-04 as 650 Bulbs total required across site. Drawings reflect updates.

7. Sheet L9-07

a.plan notes tree QP-5, legend notes a QP-3 is that the correct type?

Yes this is correct. Legend has been updated on all sheets to reflect corrections.

b. plan notes a CD-5 , legend notes a CD-3 and a CS-5 which is correct? Also there is no notation on plant type directly on east side of building, from sheet 9-05 match line those are called out to be CD-05 is that correct? and again which plant type?

Legend was incorrect. Should be CD-5 as on plan. Legend has been updated to reflect corrections.

(204) CD-5 are called out on L9-07 at the corner of sidewalk near crosswalk area.

c plan notes plant PA-1, legend notes a PA-1 under both Ornamental grass and Perennials. Which PA-1 is the be used on this sheet?

This is the Ornamental Grass on this sheet. The Legend has been updated for all sheets to reflect the perennial PA-1 to now be PAF-1.

8. Sheet L9-08

a. plan notes plant CD-5, legend notes a CD-3 and a CS-5 which is correct?

Legend was incorrect. Should be CD-5 as on plan. Legend has been updated to reflect corrections.

Response to RFI #4 from Jarrett Sims- Dewitt & Associates

5. Referring to sheet L7-12 – the corner detail wood, what type of metal is the 1" x 1" x 4" angle iron. Please advise.

This should be 3/16" thick Aluminum

Response to Mischelle Palmisano - Specialty Electrical Professionals, LLC – 11.17.2015

Please clarify who will be responsible for providing and installing the landscape lighting shown on L6-02 (lighted bollards, step lights, path lights, uplights, bench lights, power outlets, etc.).

The Contractor is responsible for providing and installing the landscape lighting.

PLANS CHANGES AND DESCRIPTIONS:

Sheet L0-04: Modified Plant List Schedule Abbreviations to correspond with drawing updates on sheets L9-01 to L9-08

Sheet L3-03: Site keynotes 5.5 at top of drawing was changed to 5.4 to represent two additional lighted bollards. A total of 14 total lighted bollards are in the project.

Sheet L7-06: Stone Coursing was changed to 8" in dimension to match the Architectural brick dimensionality, to align with every second course correctly.

Asphalted Copper Flashing was added at top of wall.

Sheet L7-07: Stone joint was changed in section A to a mitered cut

Sheet L9-01: The Legend has been updated for all sheets to reflect the perennial PA-1 to now be PAF-1.

Sheet L9-02: The Legend has been updated for all sheets to reflect the perennial PA-1 to now be PAF-1 and plan reference to PA-3 has been changed to PA-1 Ornamental Grass.

Sheet L9-03: The Legend has been updated for all sheets to reflect the change from tree type QP-3 to QP-5, shrub IV-3 to IV-5, as well as perennial EP-1 to EP-6. Plan matches these changes accordingly.

Sheet L9-04: The Legend has been updated for all sheets to reflect the change from tree type QP-3 to QP-5 and shrub IV-3 to IV-5. Plan has been updated to reflect these changes as well as changing shrub CD-3 to CD-5. Plan has been updated to have PA-1 Ornamental Grass in the lower left planting bed and PA-B (Bulb) in the middle/right planting bed. Plan has been updated from EP-1 to EP-6.

Sheet L9-05: The Legend has been updated for all sheets to reflect the change from tree type QP-3 to QP-5 and shrub CD-3 to CD-5. Plan has been updated from PA-1 to PAF-1 (perennial fern) as well as updating EP-1 to EP-6.

Sheet L9-06: The Legend has been updated for all sheets to reflect the change from shrub IV-3 to IV-5. Plan has been updated from 702SF of PA-B to 140EA PA-B.

Sheet L9-07: The Legend has been updated for all sheets to reflect the change from tree type QP-3 to QP-5 as well as changing shrub CD-3 to CD-5.

Sheet L9-08: The Legend has been updated for all sheets to reflect the change of shrub CD-3 to CD-5.

SECTION 32-044313.13 - ANCHORED STONE MASONRY VENEER

Revise Part 2 – Products Sub Paragraph 1.6 Manufacturers C. Site Feature Wall to read:

a. Face Veneer: 12" min. to 4'0" max. in random sawn lengths. by 8" thick.
b. Top Cap: 20 inch wide by 2'8 ½" inch nominal length by 8" thick.

Revise Part 2 – Products Sub Paragraph 1.6 Manufacturers E. Asphalt Dampproofing:

INSERT>

a. Asphalt-Coated Copper Flashing: 5-oz./sq. ft. copper sheet coated with flexible asphalt.

Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

1) Advanced Building Products Inc.; Cop-R-Cote.
2) Dayton Superior Corporation, Dur-O-Wal Division; Copper Coated Thru-Wall Flashing.
3) Hohmann & Barnard, Inc.; H & B C-Coat Flashing.
4) Phoenix Building Products; Type ACC-Asphalt Bituminous Coated.
5) Sandell Manufacturing Co., Inc.; Coated Copper Flashing.

b. Adhesives, Primers, and Seam Tapes for Flexible Flashings: Flashing manufacturer's standard products or products recommended by flashing manufacturer for bonding flashing sheets to each other and to substrates

c. Cementitious Dampproofing for Limestone: Cementitious formulation recommended by ILI (Indiana Limestone Institute) and nonstaining to stone, compatible with joint sealants, and noncorrosive to veneer anchors and attachments.

1. Elastomeric Sealant: ASTM C 920, chemically curing silicone sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.
2. Natural Sand: Swept over joint prior to curing. Of granular composition and coloration to match stone veneer as closly as possible.

SECTION 32-034500 - PRECAST ARCHITECTURAL CONCRETE

Revise Part 2 – Products Sub Paragraph 2.1 Manufacturers

INSERT>

C. Precast Wall Cap.
Dimensions: 18" Wide x 24" Long x 4" Thick Sloped Cap product
Color: Cast Stone White
Available Through: Accent Cast Stone Div. of - Joplin Building Material Co.
Jeff Moss
800-641-4154
Jeff@jbmco.com

APPROVED SUBSTIUTION REQUESTS

NOTE: See Attached Following Pages.

SUBSTITUTION REQUEST FORM

MAIL TO: Sapp Design Associates Architects, P.C.
3750 South Fremont Avenue
Springfield, Missouri 65804

PROJECT: Joplin Library
Joplin, Missouri

SPECIFIED ITEM: 3/8" DIA. Concrete Screw @ Type 4 Bench Ipe decking Sheet L7-12

PROPOSED SUBSTITUTE: SS Concrete Screw 1/4" Diameter Flat Head ,by Tapcon or equivalent manufacturer

SUBMITTED BY:

Firm: RE Smith Construction

Address: 1036 W. 2nd St., Joplin, MO 64801

Signature: [signature]

Date: 11/12/2015 Phone No. 417-623-4545 Fax No. 417-782-6738

Attach complete description, designation, catalog or model number, Spec Data Sheet and other Technical Data and samples, including Laboratory Tests if Applicable.

Why is substitution being submitted? [ ] Pre-Bid Substitution [X]Specified Product not available (explain) 3/8" dia. flathead not avail.
[ ] Cost Savings to Owner [ ] Other (explain)

Fill in blanks below:

1. Will substitution affect dimension indicated on drawings? No
2. Will substitution affect wiring, piping, ductwork, etc., indicated on drawings? No
3. What effect will substitution have on other trades? None
4. Differences between proposed substitution and specified item? Diameter
5. Any and all impacts on costs, design modifications, additional architectural and engineering services, material and labor changes, schedule changes, and other unanticipated consequences, resulting from this substitution in lieu of the specified item, shall be the full responsibility of the contractor and his subcontractors and supplier.
6. Manufacturer's warranties of the specified items and proposed items are: [X] same [ ] different, *explain:*
7. Why Specified Product /Material cannot be provided. 3/8" diameter flat head concrete screw not manufactured

REVIEW COMMENTS:

[ ] **No Exception taken to Submitted Manufacturer**
Manufacturer only is accepted due to time limitations for full review of product, or because no specific product data is submitted, or other unspecified reasons. Contractor must still bear full responsibility for compliance with contract requirements.

[X] **No Exception taken to Specific Products**

[ ] **Exceptions Noted**
See attached copy or notes on product literature

[ ] **Not Accepted**

[ ] **Received too Late** [ ] **Incomplete Submission**

By: ADAM MEKIES Date: Nov. 16, 2015
DESIGN WORKSHOP INC.

Remarks:

SUBSTITUTION REQUEST FORM

MAIL TO: Sapp Design Associates Architects, P.C.
3750 South Fremont Avenue
Springfield, Missouri 65804

PROJECT: Joplin Library
Joplin, Missouri

SPECIFIED ITEM: "White" finial color for White Damp Mop Finish Section 32-321316

PROPOSED SUBSTITUTE: Standard Gray Concrete

SUBMITTED BY:

Firm: RE Smith Construction

Address: 1036 W. 2nd St., Joplin, MO 64801

Signature: [signature]

Date: 11/17/15 Phone No. 417-623-4545 Fax No. 417-782-6738

Attach complete description, designation, catalog or model number, Spec Data Sheet and other Technical Data and samples, including Laboratory Tests if Applicable.

Why is substitution being submitted? [ ] Pre-Bid Substitution [X]Specified Product not available (explain)_____
[ ] Cost Savings to Owner [ ] Other (explain)_____

Fill in blanks below:

1. Will substitution affect dimension indicated on drawings? No
2. Will substitution affect wiring, piping, ductwork, etc., indicated on drawings? No
3. What effect will substitution have on other trades? None
4. Differences between proposed substitution and specified item? Specified product is white, proposed product is gray
5. Any and all impacts on costs, design modifications, additional architectural and engineering services, material and labor changes, schedule changes, and other unanticipated consequences, resulting from this substitution in lieu of the specified item, shall be the full responsibility of the contractor and his subcontractors and supplier.
6. Manufacturer's warranties of the specified items and proposed items are: [X] same [ ] different, *explain:*
7. Why Specified Product /Material cannot be provided. White concrete is not available in this area.

REVIEW COMMENTS:

[ ] **No Exception taken to Submitted Manufacturer**
Manufacturer only is accepted due to time limitations for full review of product, or because no specific product data is submitted, or other unspecified reasons. Contractor must still bear full responsibility for compliance with contract requirements.

[X] **No Exception taken to Specific Products**

[ ] **Exceptions Noted**
See attached copy or notes on product literature

[ ] **Not Accepted**

[ ] **Received too Late** [ ] **Incomplete Submission**

By: ADAM MEKES DESIGN WORKSHOP Date: 11.17.2015

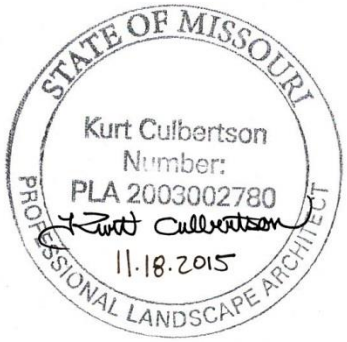
Remarks:

UPDATED DRAWINGS – ADDENDUM #2 LANDSCAPE

NOTE: See Attached Following Pages.

END OF ADDENDUM NO. 2

Kurt Culbertson PLA.
Design Workshop Inc.
120 East Main Street
Aspen, CO. 81611



GENERAL NOTES

1. Tri state engineering has prepared the survey for this project. it has been reformatted for use in and for preparation of these documents. contractor shall obtain officially signed copy from tri state engineering (p.o box 1867 joplin, missouri 64802, phone - 417-781-0643) and become familiar with it, the existing conditions and site context prior to construction. all discrepancies should be brought to the attention of the landscape architect for resolution immediately. landscape architect is not responsible for errors or omissions associated with preparation or documentation of survey.

2. Palmerton & parrish prepared the geotechnical investigation and report for this project. it has been referenced during preparation of these documents. contractor shall obtain officially signed copy from palmerton & parrish, inc (4168 w. kearney springfield, missouri 65803, phone -417-864-6000) and become familiar with it prior to construction. all discrepancies should be brought to the attention of the landscape architect for resolution immediately. landscape architect is not responsible for errors or omissions associated with preparation or documentation of report.

3. Contractor is responsible for determining means and methods for construction. these drawings may indicate a limit of proposed improvements, limits of site demolition, etc. for delineation of expected extents of disturbance. however, final impact shall be determined in the field. should limits of disturbance exceed boundaries defined in drawings, contractor shall contact landscape architect for resolution.

4. Contractor is responsible for repairing all work disturbed by construction outside of limit lines defined on drawings or through his/her means and methods to a condition better than or equal to the existing conditions prior to commencement of construction at no additional cost to the owner.

5. Contractor is responsible for maintaining a complete up-to-date set of drawings and specifications at the construction site and ensuring the documents are readily available for review by the landscape architect and governing agency.

6. The drawings and specifications are complementary to one another and implied to correspond with one another. any discrepancies should be brought to the attention of the landscape architect for resolution immediately.

7. Refer to irrigation plans for sleeve type and location and coordinate this installation with the hardscape installation.

LAYOUT NOTES

1. Verify dimensions prior to construction. Stake/Layout improvements for review and approval by Landscape Architect. Bring discrepancies to the attention of the Landscape Architect.
2. For dimensions of buildings, and related work, refer to the Architectural Drawings.
3. All control joints in paving to be chalk marked by contractor & verified in field by landscape architect prior to saw cutting.
4. Written dimensions take precedence over scale. Do not scale drawings.
5. Where dimensions are called as "equal," space referenced items equally, measured to their center lines.
6. Measurements are to face of building, wall or the fixed site improvement. Dimensions to center lines are indicated where required.
7. Install intersecting elements at 90 degree angles to each other unless otherwise noted or directed by Landscape Architect.
8. Provide expansion joints where concrete flatwork meets vertical structures such as walls, curbs, steps and building elements unless otherwise noted.

SITE LIGHTING NOTES

1. Lighting symbols on plans are diagrammatic. Refer to details and specifications for actual dimensions and product information.

2. Lighting design is intended to produce an overall 0.5 footcandle illumination level on pedestrian surfaces with 1.0 footcandle illumination minimum at pedestrian and vehicular intersections. Final installation shall confirm these illumination standards.

3. Contractor shall ensure luminaires are installed in accordance with Manufacturer's specifications to ensure there is no light illumination greater than 0.10 footcandles at the property line upon installation. Contractor shall notify Landscape Architect if discrepancy.

4. Layout dimensions are for general reference only. Final location to be determined in the field by the Landscape Architect.

5. Lighting pull-boxes, vaults and other in-grade appurtenances shall be flush with adjacent finish grades or surfaces. Notify Landscape Architect if located on a slope greater than 5% for direction.

6. Coordinate with existing and proposed underground utilities. Notify Landscape Architect of any conflicts for direction on fixture placement.

SITE SOILS NOTES

1. Contractor shall coordinate with Owner's Representative for location of stockpile areas for stripped topsoil and planting soil products. Contractor shall ensure area is protected and contamination or disturbance of stored products is not allowed.

2. Contractor shall ensure subgrade is scarified prior to installing planting soil and blend with initial lift or placement of proposed planting soil.

3. All rock, cobble or debris larger than 2-inch diameter shall be removed and legally disposed of offsite prior to placing proposed planting soil.

4. Coordinate placement of planting soil with other work, especially utilities. Placement should occur after installation of all hardscape improvements, irrigation system, utilities, etc. and before installation of plants.

LANDSCAPE PLANTING NOTES

1. Refer to Civil Engineer's utility and precise grading plans for utility location and final grading. If actual site conditions vary from what is shown on the plans, contact the Landscape Architect for direction as to how to proceed.
2. Verify locations of pertinent site improvements installed under other sections. If any part of this plan cannot be followed due to site conditions, contact Landscape Architect for direction prior to commencing work.
3. Exact locations of plant materials shall be approved by the Landscape Architect in the field prior to installation. Landscape Architect reserves the right to adjust plants to exact location in field.
4. Verify plant counts and square footages: Quantities are provided as reference information only. If quantities on plant list differ from graphic indications, then graphics shall prevail. Bring all discrepancies to attention of Landscape Architect for clarification.
5. Contact the local underground utility services for utility location and identification prior to construction.
6. Perform excavation in the vicinity of underground utilities with care and if necessary, by hand. The Contractor bears full responsibility for this work and disruption or damage to utilities shall be repaired immediately at no expense to the Owner.
7. Trees shall bear same relation to finished grade as it bore to existing prior to being dug at place of growth. Root flare shall be set a minimum of 1-inch above adjacent proposed finished grade.
8. Provide matching forms and sizes for plant materials within each specie and size designated.
9. Prune newly planted trees only as directed by Landscape Architect.
10. Align and equally space in all directions trees and shrubs if so designated per these notes and Drawings.
11. Finish grades of shrub areas and lawns shall be flush with adjacent paving or header.

TABLE OF ABBREVIATIONS

APPROX	APPROXIMATE	MH	MANHOLE
ARCH	ARCHITECT	MIN	MINIMUM
AVG	AVERAGE	MISC	MISCELLANEOUS
B&B	BALLED AND BURLAPPED	N	NORTH
BC	BOTTOM OF CURB	NIC	NOT IN CONTRACT
BLDG	BUILDING	NO	NUMBER
BM	BENCHMARK	NOM	NOMINAL
BOC	BACK OF CURB	NTS	NOT TO SCALE
BR	BOTTOM OF RAMP	OC	ON CENTER
BS	BOTTOM OF STEP	OD	OUTSIDE DIAMETER
BW	BOTTOM OF WALL	PC	POINT OF CURVATURE
CAL	CALIPER	PE	POLYURETHANE
CB	CATCH BASIN	PI	POINT OF INTERSECTION
CF	CUBIC FEET	PL	PROPERTY LINE
CIP	CAST IN PLACE	PT	POINT, POINT OF TANGENCY
CL	CENTER LINE	PVC	POLYVINYL CHLORIDE
CLR	CLEARANCE	QTY	QUANTITY
CM	CENTIMETER	R	RADIUS
CO	CLEAN OUT	REF	REFERENCE
CONT	CONTINUOUS	REINF	REINFORCE(D)
CY	CUBIC YARD	REQ'D	REQUIRED
DEG	DEGREE	REV	REVISION, REVISED
DEMO	DEMOLISH, DEMOLITION	ROW	RIGHT OF WAY
DIA	DIAMETER	S	SOUTH
DIM	DIMENSION	SAN	SANITARY
DTL	DETAIL	SD	STORM DRAIN
DWG	DRAWING	SF	SQUARE FOOT (FEET)
E	EAST	SHT	SHEET
EA	EACH	SIM	SIMILAR
EL	ELEVATION	SPECS	SPECIFICATIONS
ENG	ENGINEER	ST	STORM SEWER
EQ	EQUAL	SY	SQUARE YARD
EST	ESTIMATE	STA	STATION
E.W.	EACH WAY	STD	STANDARD
EXIST	EXISTING	SYM	SYMMETRICAL
EXP	EXPANSION, EXPOSED	T&B	TOP AND BOTTOM
FFE	FINISHED FLOOR ELEVATION	TBC	TOP OF BACK CURB
FG	FINISHED GRADE	TC	TOP OF CURB
FL	FLOW LINE	TF	TOP OF FOOTING
FOC	FACE OF CURB	TH	THICK
FT	FOOT (FEET)	TOPO	TOPOGRAPHY
FTG	FOOTING	TR	TOP OF RAMP
GA	GAUGE	TS	TOP OF STEP
GEN	GENERAL	TW	TOP OF WALL
GR	GRADE ELEVATION	TYP	TYPICAL
HORIZ	HORIZONTAL	VAR	VARIES
HP	HIGH POINT	VOL	VOLUME
HT	HEIGHT	W/	WITH
ID	INSIDE DIAMETER	W/O	WITHOUT
INV	INVERT ELEVATION	WT	WEIGHT
IN	INCH(ES)	WL	WATER LEVEL
INCL	INCLUDE(D)	WWF	WELDED WIRE FABRIC
JT	JOINT	YD	YARD
LF	LINEAR FEET	@	AT
LP	LOW POINT		
MAX	MAXIMUM		

SYMBOLS LEGEND

SAMPLE SECTION DETAIL REFERENCE — 3 / L7-04

SAMPLE ENLARGEMENT PLAN REFERENCE — L3-08 OR 4 / L7-05

SAMPLE ELEVATION DETAIL REFERENCE — 1 / L7-01

SAMPLE MACHLINE — MATCHLINE - SEE SHEET Lx-03

SAMPLE REVISION TAG

SAMPLE LIMIT LINE — LIMIT OF WORK or LIMIT OF PROPOSED IMPROVEMENTS

SAMPLE REVISION CLOUD

MATERIALS LEGEND

- CONCRETE - VEHICULAR
- CONCRETE - BROOM STANDARD
- CONCRETE - WHITE
- CONCRETE - TROWEL
- CONCRETE - LIGHT SANDBLAST
- CONCRETE - HEAVY SANDBLAST
- DECOMPOSED GRANITE
- CRUSHED AGGREGATE
- PAVERS TYPE 1
- PAVERS TYPE 2
- BENCH
- FLAGPOLE
- BICYCLE RACK
- TRASH RECEPTACLE
- METAL STRUCTURAL SCREEN
- METAL SITE FENCE
- SITE WALL

LIGHTING LEGEND

- PROPOSED PATH LIGHT
- PROPOSED BOLLARD LIGHT
- PROPOSED STEP LIGHT
- PROPOSED UPLIGHT
- PROPOSED FLAGPOLE LIGHT
- PROPOSED VEHICULAR LIGHT 1
- PROPOSED VEHICULAR LIGHT 2

SOILS LEGEND

- PLANTING SOIL TYPE 1 - TURF
- PLANTING SOIL TYPE 2 - PLANTING BEDS
- PLANTING SOIL TYPE 3 - TREE

SAMPLE KEYNOTE DRAWING CALLOUT:

3.2 TYP.

SITE DETAIL KEYNOTES:

	DETAIL/ SHEET	RELATED DETAIL(S)	SPEC. SECTION(S)
1.0 PAVEMENTS, RAMPS, CURBS			
1.1 STONE PAVING TYPE 1 - Sand Set w/ Planting Joints	x/ Lx-01	x/ Lx-0x, x/ Lx-0x, x/ Lx-0x	321400

KEYNOTE HEADING (PROPOSED IMPROVEMENT SYSTEM)

KEYNOTE CALL-OUT

KEYNOTE (SYSTEM) ITEM AND BRIEF DESCRIPTION

PRIMARY KEYNOTE DETAIL REFERENCE (NUMBER AND SHEET)

ADDITIONAL DETAIL REFERENCES (COMPOSITE SECTIONS/ELEVATIONS, OTHER SECTIONS, ELEVATIONS OR 3D DRAWINGS, AND/OR TRANSITION OR CONNECTION DETAILS)
NOTE: MULTIPLE DETAILS MAY BE REFERENCED

SPECIFICATION REFERENCE (CSI SECTION NUMBER MASTER FORMAT 2004 OR OTHER JURISDICTIONAL REQUIREMENT)
NOTE: MULTIPLE SPECIFICATIONS MAY BE REFERENCED

THE FOLLOWING LIST OF KEYNOTE HEADINGS (PROPOSED IMPROVEMENT SYSTEMS) HAVE BEEN INCORPORATED WITHIN THIS DRAWING SET:

1.0 PAVEMENT, RAMPS, AND CURBS
2.0 JOINTING
3.0 STEPS
4.0 SITE WALLS/EMBANKMENTS
5.0 SITE FURNITURE
6.0 RAILINGS, BARRIERS, AND FENCING
7.0 SITE LIGHTING
8.0 DRAINAGE
9.0 PLANTING AND LANDSCAPE
10.0 MISCELLANEOUS ELEMENTS
11.0 SIGNAGE

NOTE: IF A KEYNOTE HEADING IS NOT INCORPORATED IN PROJECT, A "NOT USED AT THIS TIME" REFERENCE HAS BEEN PROVIDED.

PLANT IDENTIFICATION KEY

(3) CSI-5
- PLANT SIZE (i.e. CALIPER, HEIGHT OR CONTAINER SIZE)
- PLANT ABBREVIATION (2-3 LETTERS, TYPICALLY FIRST LETTER FROM PLANT'S BOTANICAL FIRST AND LAST NAME)
- QUANTITY

NOTE: PLANT ABBREVIATION ON PLANT IDENTIFICATION KEY SHOULD CORRESPOND WITH ABBREVIATION ON PLANT LIST *(i.e. CSI-5 SHOULD REFER TO A CORNUS SERICEA 'ISANTI', 5 GALLON CONTAINER)*

SAMPLE REFERENCE NOTE DRAWING CALLOUT:

5 TYP.

"x" REFERENCE NOTES

NOTE CALL-OUT

1 Final Location of Path to be Determined in Field Under Direction of Landscape Architect

SERIES SPECIFIC REFERENCE NOTE (SUPPLEMENTAL TO KEYNOTES. TYPICALLY DESCRIBES ITEMS TO BE CONSIDERED DURING CONSTRUCTION. MAY REFERENCE A DETAIL OR SPECIFICATION OR BOTH.)

NOTE: "x" Refers to Drawing Series (i.e. SITE DEMOLITION REFERENCE NOTES). THERE SHOULD BE SPECIFIC REFERENCE NOTES FOR EACH DRAWING SERIES. HOWEVER, SOME NOTES MAY APPEAR ON MULTIPLE SERIES.

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	SPACING	NOTES
CONIFEROUS TREES						
PT-16	*Pinus taeda*	Loblolly Pine	8	16' HT.	As shown	B&B, Full Dense Specimens, No Shearing
DECIDUOUS SHADE TREES						
CA-3	*Carpinus caroliniana*	American Hornbeam	20	3" Cal.	As shown	B&B, Full Specimens, Strong Central Leader
GT-8	*Gleditsia tricanthose*	Honey Locust	15	6" Cal.	As shown	B&B, Full Specimens, Strong Central Leader
QP-5	*Quercus phellos*	Willow Oak	20	5" Cal	As shown	B&B, Full Specimens, Strong Central Leader
TA-3	*Tilia Americana*	Basswood	24	3" Cal.	As shown	B&B, Full Specimens, Strong Central Leader
DECIDUOUS ORNAMENTAL TREES						
BTM-3	*Betula nigra*	River Birch (multi-stem)	7	3" Cal.	As shown	B&B, Full Specimens, Multi-leader
BTS-3	*Betula nigra*	River Birch (single-stem)	5	3" Cal.	As shown	B&B, Full Specimens, Strong Central Leader
CC-3	*Cercis canadensis* 'Royal White'	White Bud	9	3" Cal.	As shown	B&B, Full Specimens, Strong Central Leader
SHRUBS						
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster	492	5 GAL.	42" O.C.	Full Plants
CS-5	*Cornus sericea*	Red Osier Dogwood	272	5 GAL.	36" O.C.	Full Plants
IV-5	*Itea virginica*	Virginia Sweetspire	217	5 GAL.	36" O.C.	Full Plants
SB-3	*Spiraea x bumalda* 'Froebelii'	Froebel Spirea	184	3 GAL.	30" O.C.	Full Plants
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum	6	7 GAL.	As shown	Full Plants
ORNAMENTAL GRASSES						
BG-1	*Bouteloua gracilis* 'Blonde Ambition'	Blue Grama 'Blonde Ambition'	1585	1 GAL.	24" O.C.	Full Plants
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass	1216	1 GAL.	24" O.C.	Full Plants
PA-1	*Pennisetum alopecuroides*	Fountain Grass	1939	1 GAL.	24" O.C.	Full Plants
SH-1	*Sporobolus heterolepis*	Prairie dropseed	421	1 GAL.	24" O.C.	Full Plants
PERENNIALS						
CA-4	*Calamintha arkansana*	Calamint	657	4" Pots	8" O.C.	Full Plants
EP-6	*Echinacea purpurea*	Purple Coneflower	181	6" Pots	24" O.C.	Full Plants
IR-1	*Iris 'Midnight Fragrance'*	Iris	854	1 GAL.	24" O.C.	Full Plants
PAF-1	*Pteridium aquilinum*	Bracken Fern	475	1 GAL.	24" O.C.	Full Plants
BULBS						
PA-B	*Allium* 'Purple Sensation'	*Allium* 'Purple Sensation'	650	BULB	18"-36" O.C.	Random Spacing In Large Drifts Per Drawings
TURF/SOD						
BD	*Buchloe dactyloides Sod*	Buffalo Grass Sod	25,180 SF			
SM	*Turf sod*	Turf Sod	37,628 SF			

PLANTING LEGEND

- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS TREE
- PROPOSED SINGLE-STEM ORNAMENTAL
- PROPOSED MULTI-STEM ORNAMENTAL
- PROPOSED DECIDUOUS SHRUB
- PROPOSED ORNAMENTAL GRASS
- PROPOSED PERENNIAL-AJUGA
- PROPOSED-BUFFALO GRASS SOD
- PROPOSED TURF-SOD
- PROPOSED PERENNIAL-IRIS
- PROPOSED PERENNIAL-FERN
- PROPOSED PERENNIAL-PURPLE CONE FLOWER
- PROPOSED PERENNIAL-BULB
- PROPOSED METAL EDGER

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STATE OF MISSOURI — Kurt Culbertson — Number: PLA 2003002780 — PROFESSIONAL LANDSCAPE ARCHITECT — 10-15-15

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	ADDENDUM 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

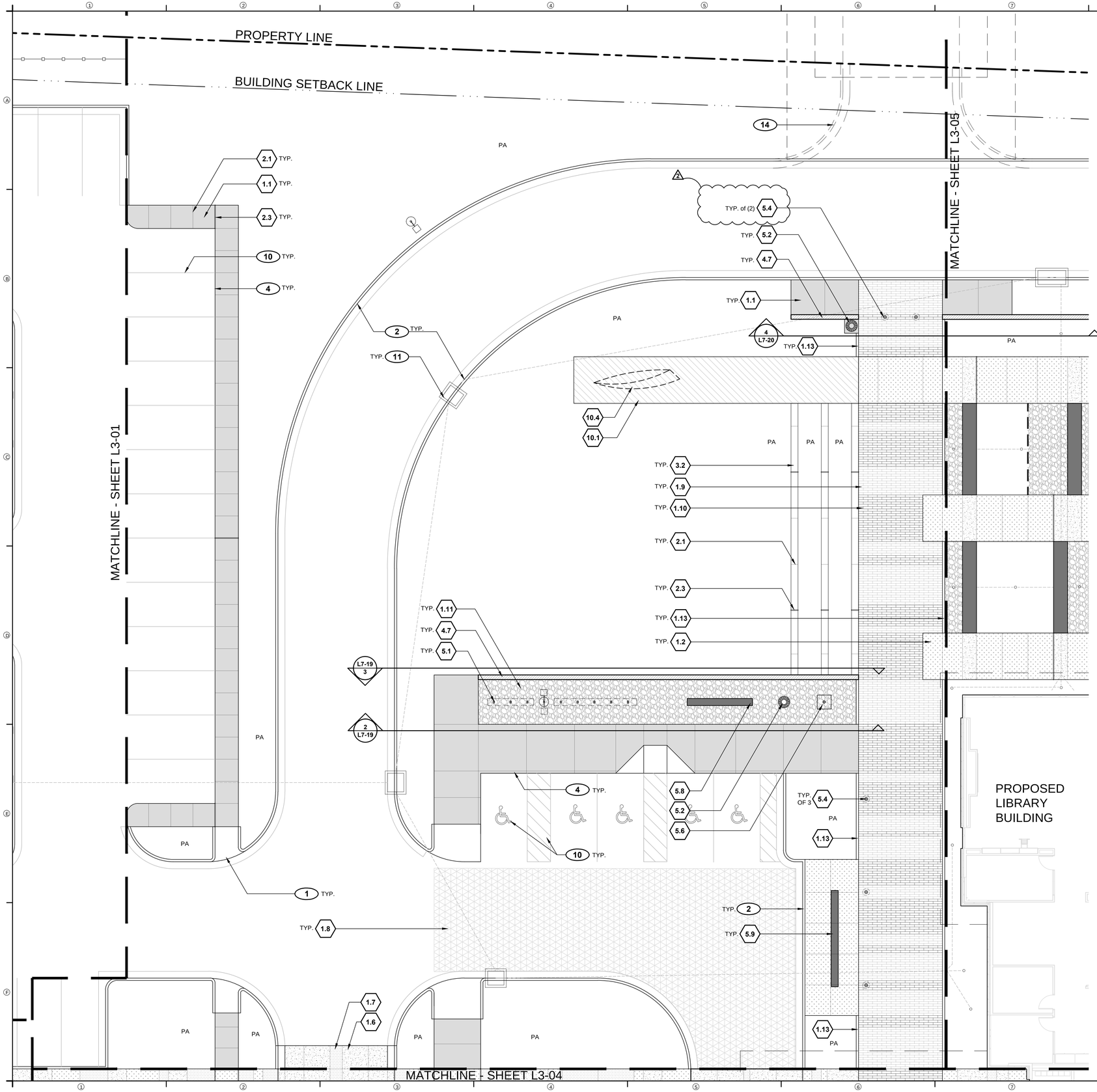
EDA. PROJECT NUMBER 05-79-05345

Site General Information

SHEET NUMBER

L0-04

Nov 18, 2015 - 8:34am
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SITE KEYNOTES:

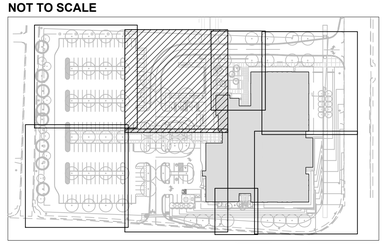
		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Concrete Type 1 (ped. stnd. brm. finish)	1/L7-01	000000	32-321313
1.2	Concrete Type 2 (ped. clrd. finish 1)	1/L7-01	000000	32-321313, 32-321316
1.3	Concrete Type 3 (ped. clrd. finish 2)	1/L7-01	000000	32-321313, 32-321316
1.4	Concrete Type 4 (ped. clrd. finish 3)	1/L7-01	000000	32-321313, 32-321316
1.5	Concrete Type 5 (ped. white damp-mop)	1/L7-01	000000	32-321313, 32-321316
1.6	Concrete Type 6 (veh. clrd. finish 2)	2/L7-01	000000	32-321313, 32-321316
1.7	Concrete Type 7 (veh. clrd. finish 3)	2/L7-01	000000	32-321313, 32-321316
1.8	Concrete Type 9 (veh. broom)	3/L7-01	000000	32-321313, 32-321316
1.9	Paver Type 1 (lighter)	3/L7-01	5/L7-02	32-321400
1.10	Paver Type 2 (darker)	3/L7-01	5/L7-02	32-321400
1.11	Gravel Paving Type 1(decomposed)	4/L7-01	000000	32-096340
1.12	Gravel Paving Type 2(Crushed Agg)	5/L7-01	000000	31-313700
1.13	Concrete Band (paver restraint)	6/L7-01	000000	32-321313
2.0	**JOINTING**			
2.1	Control Joint		1/L7-02	000000	32-321313
2.2	Expansion Joint Type 1 (non-doweled)	2/L7-02	000000	32-321313, 32-321373
2.3	Expansion Joint Type 2 (doweled)	3/L7-02	000000	32-321313, 32-321373
2.4	Decorative Score Joint	4/L7-02	000000	32-321313
2.5	Concrete Paver Joint	5/L7-02	3/L7-01	32-321400
2.6	~~Not Used at This Time~~	~~0/00-00~~	~~000000~~	~~00-000000~~
2.7	Wall Cap Joint Type 1 (bantered wall)	7/L7-02	1/L7-07	32-096340
2.8	Wall Cap Joint Type 2 (vert wall)	8/L7-02	1/L7-07	32-096340
2.9	Concrete Wall Expansion Joint	1/L7-03	3/L7-09	03-033000
3.0	**STEPS**			
3.1	Conc. Steps Type 1 (12" loading dock)	2/L7-03	3/L7-21	03-033000
3.2	Conc. Steps Type 2 (18" tread lawn)	1/L7-04	000000	03-033000
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Wall Type 1 (CMU core brick veneer)	1/L7-05	2/L7-05	32-042200, brick per arch.
4.2	Wall Type 2 (Stone Accent Wall)	1/L7-06	000000	32-042200, 04-044313.13
4.3	Wall Type 3 (20th & Conn. Corner)	1/L7-07	2/L7-18	32-042200, 04-044313.13
4.4	Wall Type 4 (Signage Walls)	3/L7-08	1&2/L7-08	32-042200, 04-044313.13
4.5	Wall Type 5 (8" CIP. Concrete)	1/L7-09	000000	03-033000
4.6	Wall Type 6 (Promenade Seat Wall)	2/L7-09	000000	03-033000
4.7	Wall Type 7 (CIP Board Form)	3/L7-09	1/L7-03	03-033000
5.0	**SITE FURNITURE**			
5.1	Bike Rack	1/L7-10	000000	32-329800
5.2	Trash / Recycling	2/L7-10	000000	32-329800
5.3	Bollard Type 1 (steel pipe)	3/L7-10	000000	32-329800, 03-033000
5.4	Bollard Type 2 (light-structural core)	4/L7-10	000000	32-329800, 26-2656000
5.5	Bollard Type 3 (non-light structural core)	5/L7-10	000000	32-329800
5.6	Flag Pole	1/L7-11	000000	32-329800
5.7	Bench Type 1 (courtyard - CIP)	2/L7-11	000000	03-033000
5.8	Bench Type 2 (Pre fab -168")	3/L7-11	000000	32-329800
5.9	Bench Type 3 (Pre fab -248")	4/L7-11	000000	32-329800
5.10	Bench Type 4 (custom - lighted)	1/L7-12	000000	32-329800, 32-034500 26-2656000
6.0	**RAILINGS, BARRIERS, FENCING**			
6.1	Railing Type 1 (stairs)	1/L7-13	000000	05-055213
6.2	Gate Type 1 (dumpster)	3/L7-13	000000	32-323119
6.3	Fence Type 1 (dumpster)	1/L7-14	000000	32-323119
6.4	Fence Type 2 (metal site - north)	2/L7-14	000000	32-323119
6.4 (B)	Fence Type 3 (screening fence - east)	3/L7-14	000000	32-323119
6.5	Egress Gate	1/L7-15	000000	32-323119
6.6	Louvered Screen Wall	2/L7-15	000000	32-323119
6.7	Railing Type 2 (ramp)	2/L7-13	000000	05-055213
7.0	**SITE LIGHTING**			
	* SEE LIGHTING PLANS			26-2656000
8.0	**DRAINAGE**			
	* SEE CIVIL DRAWINGS			
9.0	**PLANTING AND LANDSCAPE**			
	* SEE PLANTING PLANS			32-329200, 32-329300
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Art Plinth	1/L7-17	000000	03-033000
10.2	Metal Edging	2/L7-17	000000	32-329200
10.3	Existing Sculpture Relocated	3/L7-17	000000	32-329800
10.4	Future Site Art (Not in Contract)	000000	000000	00-000000
11.0	**SIGNAGE**			
	* SEE LANDSCAPE SIGNAGE PLANS			10-101423

SITE MATERIAL REFERENCE NOTES

PA	Planting Area
1	Proposed ADA Ramp: See Civil Drawings.
2	Proposed 6" Curb: See Civil Drawings.
3	Proposed Flush Curb: See Civil Drawings.
4	Proposed Turn-Down Curb: See Civil Drawings.
5	Existing Paving: Protect in Place.
6	Existing Curb: Protect in Place.
7	Existing Utility Structure: Protect in Place.
8	Proposed Utility/Service Structure: See Civil / MEP. Drawings.
9	Proposed Electric Car Station: See Civil Drawings.
10	Proposed Road Striping: See Civil Drawings.
11	Proposed Drain Inlet: See Civil Drawings.
12	Provide Power to Sign Location: See Signage Drawings.
13	Provide Power to Bench Location: See Detail 1/L7-12.
14	Potential Future Vehicular and Pedestrian Connection.
15	Exterior Architectural Column. See Arch. Drawings.
16	Path of Egress. See Arch. Drawings For Crash Bar & Signage Requirements.
17	Proposed Drain Outlet. See Civil Drawings.
18	Building Uplighting. See Arch. Drawings.

KEY PLAN

NOT TO SCALE



NORTH 0 5' 10' 20'
ORIGINAL SCALE: 1"=10'-0"

TSE
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Web: www.hinesinc.com

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JOPLIN, JASPER COUNTY, MISSOURI

STATE OF MISSOURI
Kurt Culbertson
Number:
PLA 2003002780
10-15-15
PROFESSIONAL LANDSCAPE ARCHITECT

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	ADDENDUM #2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

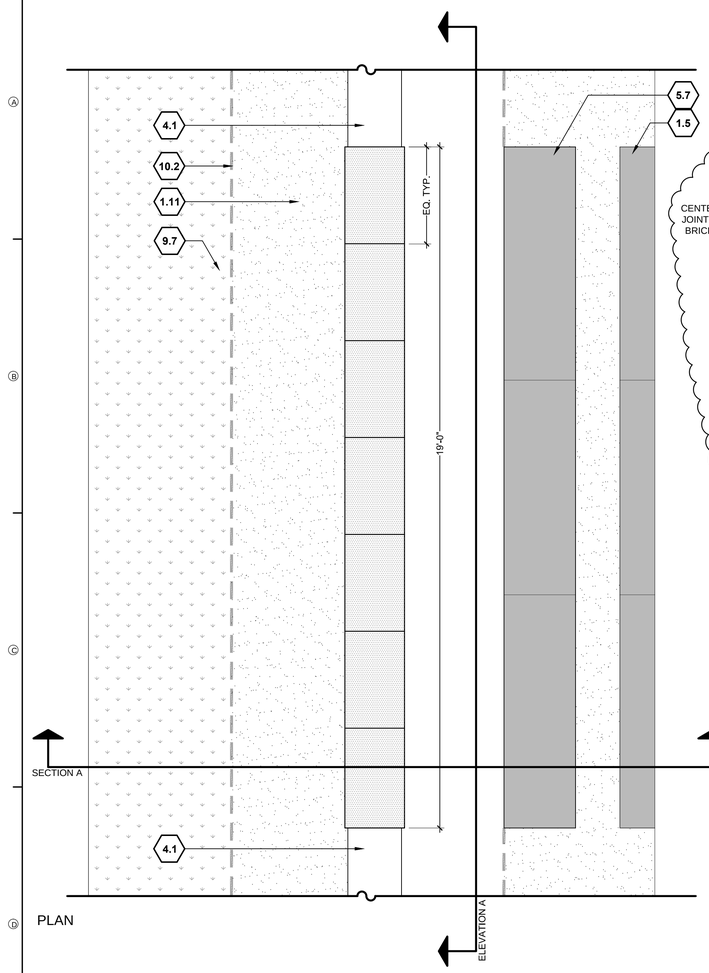
EDA. PROJECT NUMBER 05-79-05345

SITE MATERIALS PLAN

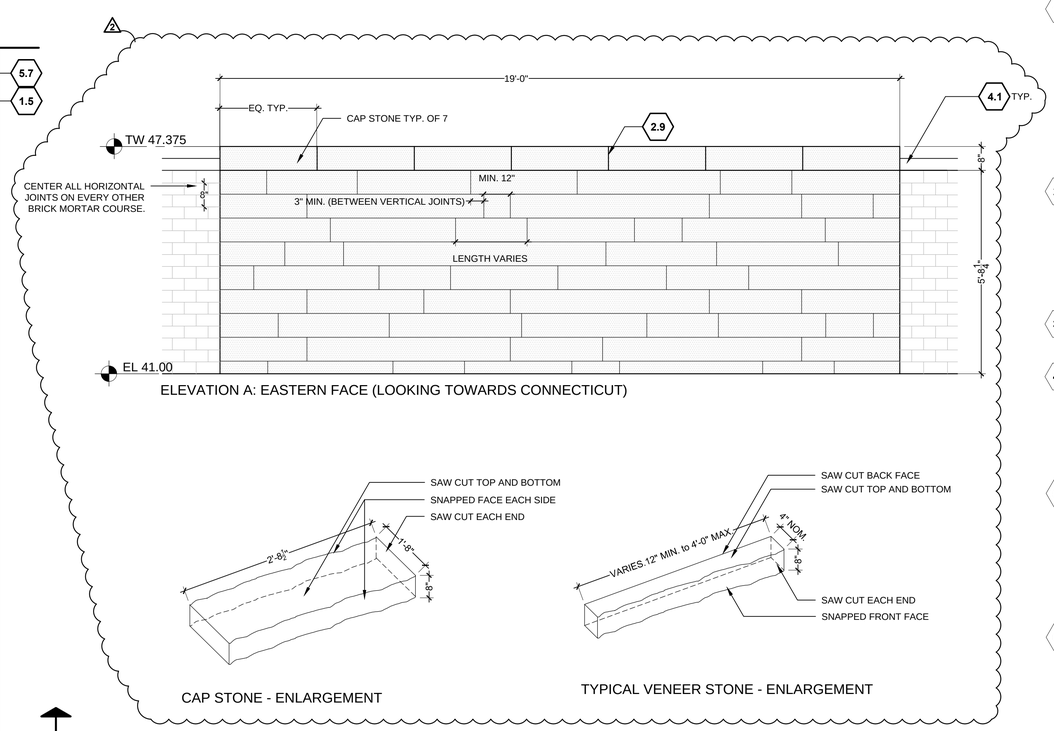
SHEET NUMBER

L3-03

Nov 18, 2015 - 9:59am
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PLAN



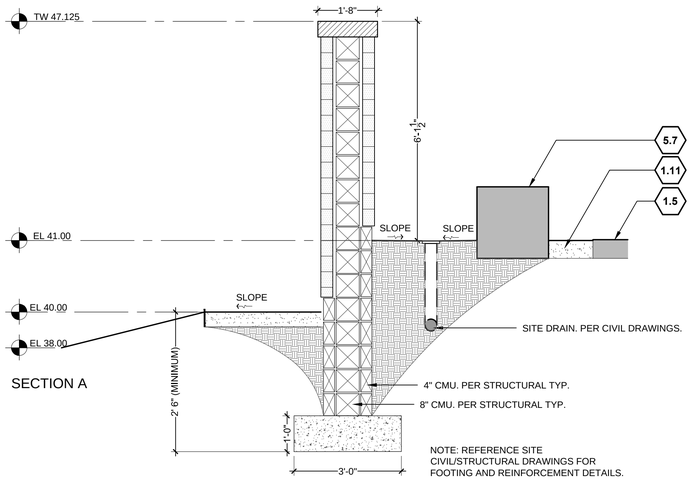
ELEVATION A: EASTERN FACE (LOOKING TOWARDS CONNECTICUT)

CAP STONE - ENLARGEMENT

TYPICAL VENEER STONE - ENLARGEMENT

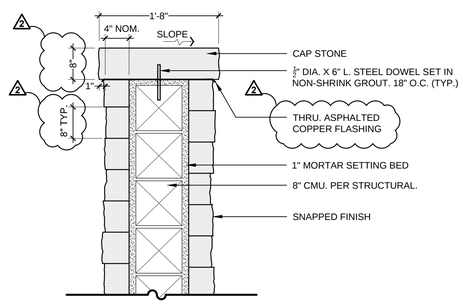
SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Concrete Type 1 (ped. stnd. brm. finish)	1/L7-01	000000	32-321313
1.2	Concrete Type 2 (ped. clrd. finish 1)	1/L7-01	000000	32-321313, 32-321316
1.3	Concrete Type 3 (ped. clrd. finish 2)	1/L7-01	000000	32-321313, 32-321316
1.4	Concrete Type 4 (ped. clrd. finish 3)	1/L7-01	000000	32-321313, 32-321316
1.5	Concrete Type 5 (ped. white damp-mop)	1/L7-01	000000	32-321313, 32-321316
1.6	Concrete Type 6 (veh. clrd. finish 2)	2/L7-01	000000	32-321313, 32-321316
1.7	Concrete Type 7 (veh. clrd. finish 3)	2/L7-01	000000	32-321313, 32-321316
1.8	Concrete Type 9 (veh. broom)	2/L7-01	000000	32-321313, 32-321316
1.9	Paver Type 1 (lighter)	3/L7-01	5/L7-02	32-321400
1.10	Paver Type 2 (darker)	5/L7-01	5/L7-02	32-321400
1.11	Gravel Paving Type 1(decomposed)	4/L7-01	000000	32-096340
1.12	Gravel Paving Type 2(Crushed Agg)	5/L7-01	000000	31-313700
1.13	Concrete Band (paver restraint)	6/L7-01	000000	32-321313
2.0	**JOINTING**			
2.1	Control Joint	1/L7-02	000000	32-321313
2.2	Expansion Joint Type 1 (non-doweled)	2/L7-02	000000	32-321313, 32-321373
2.3	Expansion Joint Type 2 (doweled)	3/L7-02	000000	32-321313, 32-321373
2.4	Decorative Score Joint	4/L7-02	000000	32-321313
2.5	Concrete Paver Joint	5/L7-02	3/L7-01	32-321400
2.6	~~Not Used at This Time~~	~~0/00-00~~	~~000000~~	~~00-000000~~
2.7	Wall Cap Joint Type 1 (bantered wall)	7/L7-02	1/L7-07	32-096340
2.8	Wall Cap Joint Type 2 (vert wall)	8/L7-02	1/L7-07	32-096340
2.9	Concrete Wall Expansion Joint	1/L7-03	3/L7-09	03-033000
3.0	**STEPS**			
3.1	Conc. Steps Type 1 (12" loading dock)	2/L7-03	3/L7-21	03-033000
3.2	Conc. Steps Type 2 (18" tread lawn)	1/L7-04	000000	03-033000
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Wall Type 1 (CMU core brick veneer)	1/L7-05	2/L7-05	32-042200, brick per arch.
4.2	Wall Type 2 (Stone Accent Wall)	1/L7-06	000000	32-042200, 04-044313.13
4.3	Wall Type 3 (20th & Conn. Corner)	1/L7-07	2/L7-18	32-042200, 04-044313.13
4.4	Wall Type 4 (Signage Walls)	3/L7-08	1&2/L7-08	32-042200, 04-044313.13
4.5	Wall Type 5 (8" CIP. Concrete)	1/L7-09	000000	03-033000
4.6	Wall Type 6 (Promenade Seat Wall)	2/L7-09	000000	03-033000
4.7	Wall Type 7 (CIP Board Form)	3/L7-09	1/L7-03	03-033000
5.0	**SITE FURNITURE**			
5.1	Bike Rack	1/L7-10	000000	32-329800
5.2	Trash / Recycling	2/L7-10	000000	32-329800
5.3	Bollard Type 1 (steel pipe)	3/L7-10	000000	32-329800, 03-033000
5.4	Bollard Type 2 (light-structural core)	4/L7-10	000000	32-329800, 26-2656000
5.5	Bollard Type 3 (non-light structural core)	5/L7-10	000000	32-329800
5.6	Flag Pole	1/L7-11	000000	32-329800
5.7	Bench Type 1 (courtyard - CIP)	2/L7-11	000000	03-033000
5.8	Bench Type 2 (Pre fab -168")	3/L7-11	000000	32-329800
5.9	Bench Type 3 (Pre fab -248")	4/L7-11	000000	32-329800
5.10	Bench Type 4 (custom - lighted)	1/L7-12	000000	32-329800, 32-034500 26-2656000
6.0	**RAILINGS, BARRIERS, FENCING**			
6.1	Railing Type 1 (stairs)	1/L7-13	000000	05-055213
6.2	Gate Type 1 (dumpster)	3/L7-13	000000	32-323119
6.3	Fence Type 1 (dumpster)	1/L7-14	000000	32-323119
6.4	Fence Type 2 (metal site - north)	2/L7-14	000000	32-323119
6.4 (B)	Fence Type 3 (screening fence - east)	3/L7-14	000000	32-323119
6.5	Egress Gate	1/L7-15	000000	32-323119
6.6	Louvered Screen Wall	2/L7-15	000000	32-323119
6.7	Railing Type 2 (ramp)	2/L7-13	000000	05-055213
7.0	**SITE LIGHTING**			
	* SEE LIGHTING PLANS			26-2656000
8.0	**DRAINAGE**			
	* SEE CIVIL DRAWINGS			
9.0	**PLANTING AND LANDSCAPE**			
	* SEE PLANTING PLANS			32-329200, 32-329300
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Art Plinth	1/L7-17	000000	03-033000
10.2	Metal Edging	2/L7-17	000000	32-329200
10.3	Existing Sculpture Relocated	3/L7-17	000000	32-329800
10.4	Future Site Art (Not in Contract)	000000	000000	00-000000
11.0	**SIGNAGE**			
	* SEE LANDSCAPE SIGNAGE PLANS			10-101423

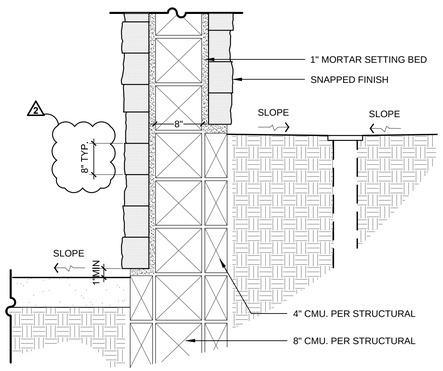


SECTION A

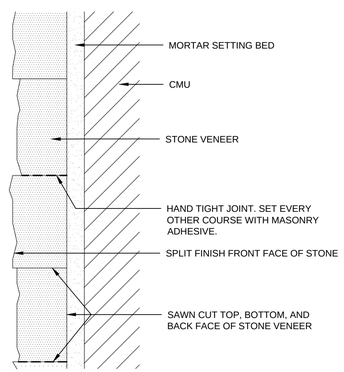
NOTE: REFERENCE SITE CIVIL/STRUCTURAL DRAWINGS FOR FOOTING AND REINFORCEMENT DETAILS.



TOP OF WALL - ENLARGEMENT
1"=1'-0"



BOTTOM OF WALL - ENLARGEMENT
1"=1'-0"



VENEER / JOINTING - ENLARGEMENT
3"=1'-0"

1 WALL TYPE 2 - STONE ACCENT WALL

1/2"=1'-0"

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10.15.15

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PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
1	11.05.2015	Addendum 1
2	11.18.2015	Addendum 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

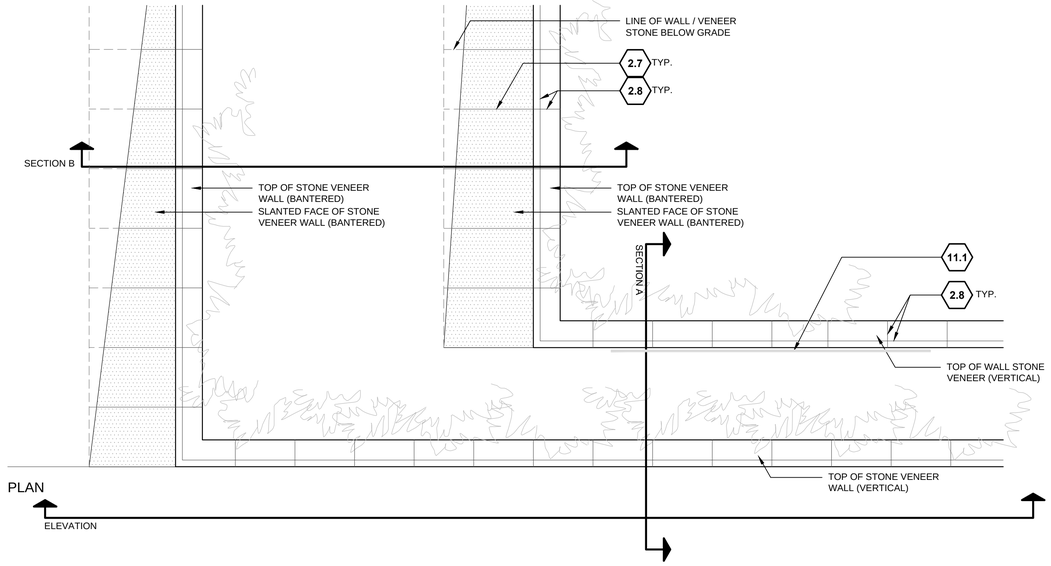
EDA. PROJECT NUMBER 05-79-05345

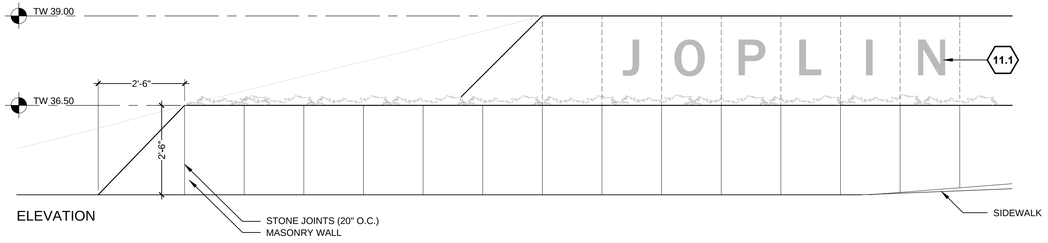
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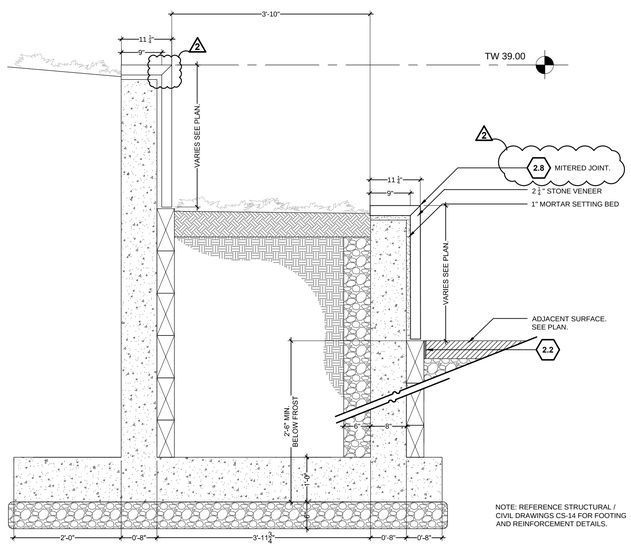
SHEET NUMBER

L7-06

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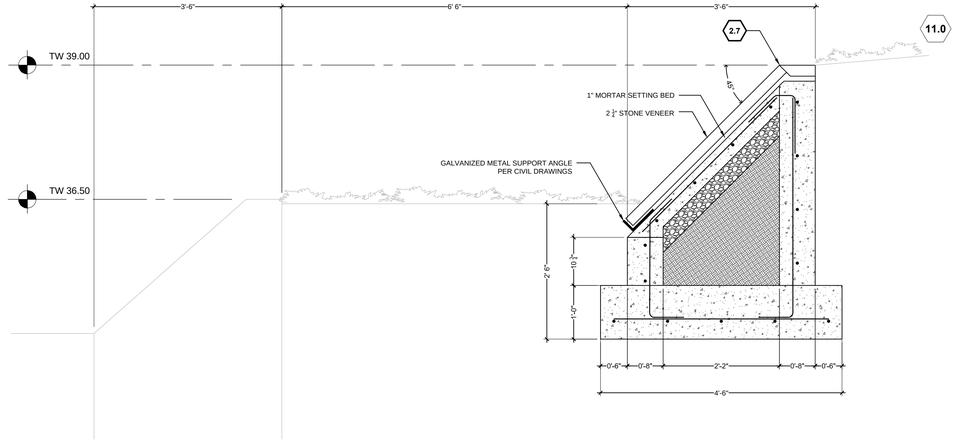






NOTE: REFERENCE STRUCTURAL / CIVIL DRAWINGS CS-14 FOR FOOTING AND REINFORCEMENT DETAILS.

SECTION A 3/4" = 1'-0"



NOTE: REFERENCE STRUCTURAL / CIVIL DRAWINGS CS-14 FOR FOOTING AND REINFORCEMENT DETAILS.

SECTION B 3/4" = 1'-0"

1 **WALL TYPE 3 - CORNER OF 20th AND CONN.**

1/2"=1'-0"

4.3

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Concrete Type 1 (ped. stnd. brm. finish)	1/L7-01	000000	32-321313
1.2	Concrete Type 2 (ped. clrd. finish 1)	1/L7-01	000000	32-321313, 32-321316
1.3	Concrete Type 3 (ped. clrd. finish 2)	1/L7-01	000000	32-321313, 32-321316
1.4	Concrete Type 4 (ped. clrd. finish 3)	1/L7-01	000000	32-321313, 32-321316
1.5	Concrete Type 5 (ped. white damp-mop)	1/L7-01	000000	32-321313, 32-321316
1.6	Concrete Type 6 (veh. clrd. finish 2)	2/L7-01	000000	32-321313, 32-321316
1.7	Concrete Type 7 (veh. clrd. finish 3)	2/L7-01	000000	32-321313, 32-321316
1.8	Concrete Type 9 (veh. broom)	2/L7-01	000000	32-321313, 32-321316
1.9	Paver Type 1 (lighter)	3/L7-01	5/L7-02	32-321400
1.10	Paver Type 2 (darker)	3/L7-01	5/L7-02	32-321400
1.11	Gravel Paving Type 1(decomposed)	4/L7-01	000000	32-096340
1.12	Gravel Paving Type 2(Crushed Agg)	5/L7-01	000000	31-313700
1.13	Concrete Band (paver restraint)	6/L7-01	000000	32-321313
2.0	**JOINTING**			
2.1	Control Joint	1/L7-02	000000	32-321313
2.2	Expansion Joint Type 1 (non-doweled)	2/L7-02	000000	32-321313, 32-321373
2.3	Expansion Joint Type 2 (doweled)	3/L7-02	000000	32-321313, 32-321373
2.4	Decorative Score Joint	4/L7-02	000000	32-321313
2.5	Concrete Paver Joint	5/L7-02	3/L7-01	32-321400
2.6	~~Not Used at This Time~~	0/00-00	000000	00-000000
2.7	Wall Cap Joint Type 1 (bantered wall)	7/L7-02	1/L7-07	32-096340
2.8	Wall Cap Joint Type 2 (vert wall)	8/L7-02	1/L7-07	32-096340
2.9	Concrete Wall Expansion Joint	1/L7-03	3/L7-09	03-033000
3.0	**STEPS**			
3.1	Conc. Steps Type 1 (12" loading dock)	2/L7-03	3/L7-21	03-033000
3.2	Conc. Steps Type 2 (18" tread lawn)	1/L7-04	000000	03-033000
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Wall Type 1 (CMU core brick veneer)	1/L7-05	2/L7-05	32-042200, brick per arch.
4.2	Wall Type 2 (Stone Accent Wall)	1/L7-06	000000	32-042200, 04-044313.13
4.3	Wall Type 3 (20th & Conn. Corner)	1/L7-07	2/L7-18	32-042200, 04-044313.13
4.4	Wall Type 4 (Signage Walls)	3/L7-08	1&2/L7-08	32-042200, 04-044313.13
4.5	Wall Type 5 (8" CIP. Concrete)	1/L7-09	000000	03-033000
4.6	Wall Type 6 (Promenade Seat Wall)	2/L7-09	000000	03-033000
4.7	Wall Type 7 (CIP Board Form)	3/L7-09	1/L7-03	03-033000
5.0	**SITE FURNITURE**			
5.1	Bike Rack	1/L7-10	000000	32-329800
5.2	Trash / Recycling	2/L7-10	000000	32-329800
5.3	Bollard Type 1 (steel pipe)	3/L7-10	000000	32-329800, 03-033000
5.4	Bollard Type 2 (light-structural core)	4/L7-10	000000	32-329800, 26-2656000
5.5	Bollard Type 3 (non-light structural core)	5/L7-10	000000	32-329800
5.6	Flag Pole	1/L7-11	000000	32-329800
5.7	Bench Type 1 (courtyard - CIP)	2/L7-11	000000	03-033000
5.8	Bench Type 2 (Pre fab -168")	3/L7-11	000000	32-329800
5.9	Bench Type 3 (Pre fab -248")	4/L7-11	000000	32-329800
5.10	Bench Type 4 (custom - lighted)	1/L7-12	000000	32-329800, 32-034500 26-2656000
6.0	**RAILINGS, BARRIERS, FENCING**			
6.1	Railing Type 1 (stairs)	1/L7-13	000000	05-055213
6.2	Gate Type 1 (dumpster)	3/L7-13	000000	32-323119
6.3	Fence Type 1 (dumpster)	1/L7-14	000000	32-323119
6.4	Fence Type 2 (metal site - north)	2/L7-14	000000	32-323119
6.4 (B)	Fence Type 3 (screening fence - east)	3/L7-14	000000	32-323119
6.5	Egress Gate	1/L7-15	000000	32-323119
6.6	Louvered Screen Wall	2/L7-15	000000	32-323119
6.7	Railing Type 2 (ramp)	2/L7-13	000000	05-055213
7.0	**SITE LIGHTING**			
	* SEE LIGHTING PLANS			26-2656000
8.0	**DRAINAGE**			
	* SEE CIVIL DRAWINGS			
9.0	**PLANTING AND LANDSCAPE**			
	* SEE PLANTING PLANS			32-329200, 32-329300
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Site Art Plinth	1/L7-17	000000	03-033000
10.2	Metal Edging	2/L7-17	000000	32-329200
10.3	Existing Sculpture Relocated	3/L7-17	000000	32-329800
10.4	Future Site Art (Not in Contract)	000000	000000	00-000000
11.0	**SIGNAGE**			
	* SEE LANDSCAPE SIGNAGE PLANS			10-101423

TSE
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10-15-15

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	Addendum 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

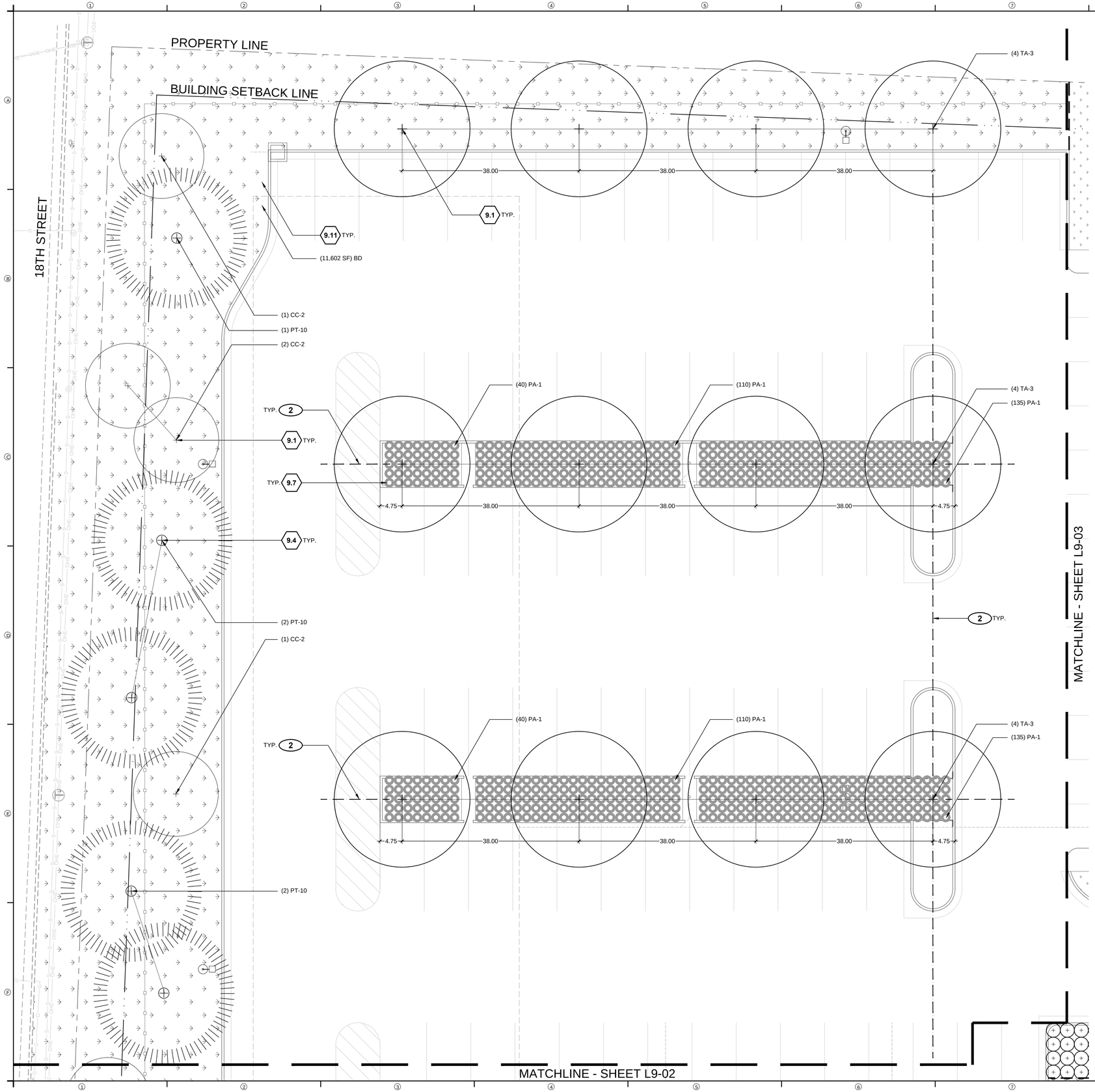
EDA. PROJECT NUMBER 05-79-05345

SITE DETAILS

SHEET NUMBER

L7-07

Nov 18, 2015 - 11:02pm
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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
9.6	Perennial Planting	5/L10-01	000000	32-329400
9.7	Ornamental Grass Planting	6/L10-01	000000	32-329200
9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
9.10	Lawn Sodding	6/L10-01	000000	32-329200
9.11	Native Lawn Sodding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

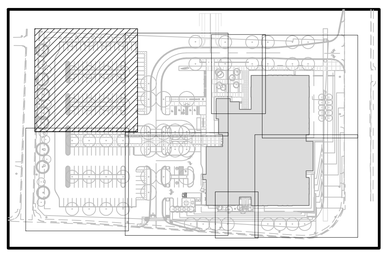
NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
CONIFEROUS TREES		
PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
CA-3	*Carpinus caroliniana*	American Hornbeam
GT-6	*Gleditisia tricanthose*	Honey Locust
QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
DECIDUOUS ORNAMENTAL TREES		
BTM-3	*Betula nigra*	River Birch (multi-stem)
BTS-3	*Betula nigra*	River Birch (single-stem)
CC-2	*Cercis canadensis 'Royal White'*	White Bud
SHRUBS		
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster
CS-5	*Cornus sericea*	Red Osier Dogwood
IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda 'Froebellii'*	Froebel Spirea
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum
ORNAMENTAL GRASSES		
BG-1	*Bouteloua gracilis 'Blonde Ambition'*	Blue Grama 'Blonde Ambition
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass
PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris 'Midnight Fragrance'*	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium 'Purple Sensation'*	*Allium 'Purple Sensation'*
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

KEY PLAN

NOT TO SCALE



NORTH 0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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STATE OF MISSOURI
Kurt Culbertson
Number
PLA 2003002780
PROFESSIONAL LANDSCAPE ARCHITECT
10.15.15

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	ADDENDUM 2

DRAWN: AM REVIEWED: KC

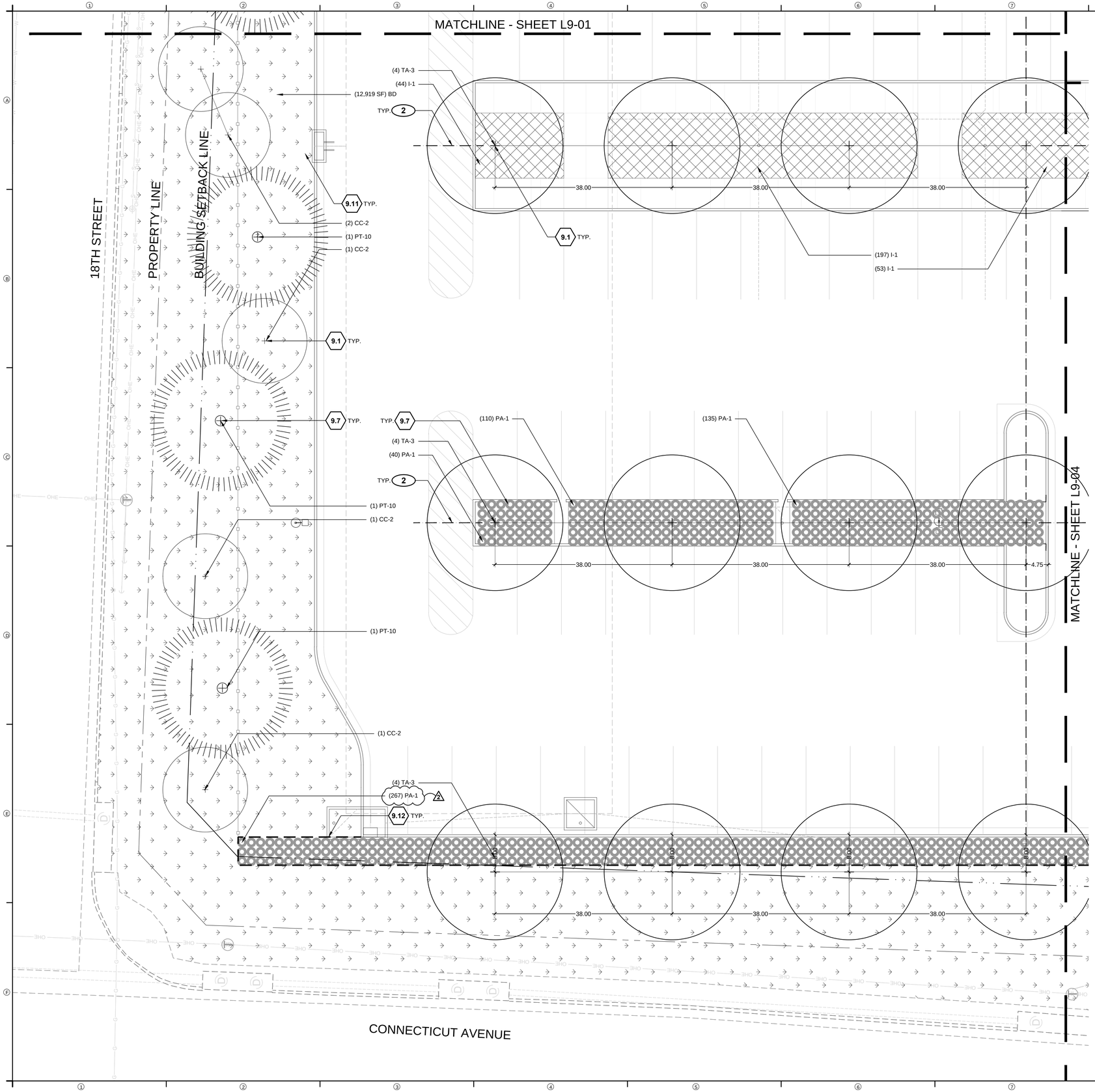
DATE 10/15/2015

EDA. PROJECT NUMBER 05-79-05345

SITE PLANTING PLAN

SHEET NUMBER

L9-01



SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
9.6	Perennial Planting	5/L10-01	000000	32-329400
9.7	Ornamental Grass Planting	6/L10-01	000000	32-329200
9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
9.10	Lawn Soding	6/L10-01	000000	32-329200
9.11	Native Lawn Soding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

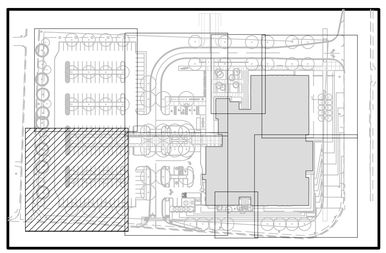
NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
CONIFEROUS TREES		
PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
CA-3	*Carpinus caroliniana*	American Hornbeam
GT-6	*Gleditsia tricanthose*	Honey Locust
QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
DECIDUOUS ORNAMENTAL TREES		
BTM-3	*Betula nigra*	River Birch (multi-stem)
BTS-3	*Betula nigra*	River Birch (single-stem)
CC-2	*Cercis canadensis* 'Royal White'	White Bud
SHRUBS		
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster
CS-5	*Cornus sericea*	Red Osier Dogwood
IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda* 'Froebelii'	Froebel Spirea
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum
ORNAMENTAL GRASSES		
BG-1	*Bouteloua gracilis* 'Blonde Ambition'	Blue Grama 'Blonde Ambition
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass
PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris* 'Midnight Fragrance'	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium* 'Purple Sensation'	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

KEY PLAN

NOT TO SCALE



NORTH

0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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10-15-15
PROFESSIONAL LANDSCAPE ARCHITECT

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	ADDENDUM 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

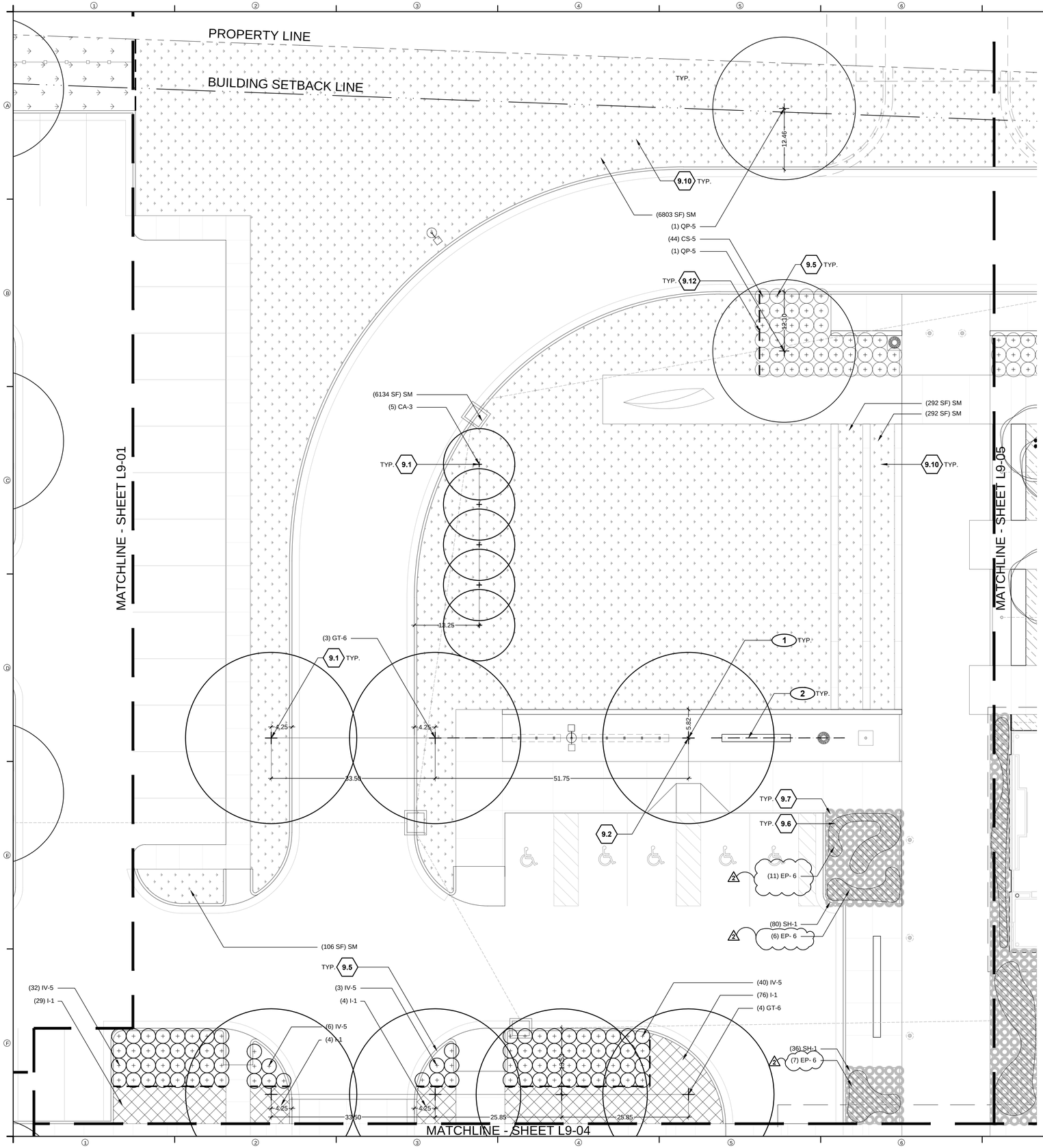
EDA. PROJECT NUMBER 05-79-05345

SITE PLANTING PLAN

SHEET NUMBER

L9-02

Nov 18, 2015 - 9:52am
C:\Users\jyoron\Appdata\local\temp\AcPublish_6572\dwr-5306-L9-PLANTING.dwg



SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
9.6	Perennial Planting	5/L10-01	000000	32-329400
9.7	Ornamental Grass Planting	6/L10-01	000000	32-329200
9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
9.10	Lawn Sodding	6/L10-01	000000	32-329200
9.11	Native Lawn Sodding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

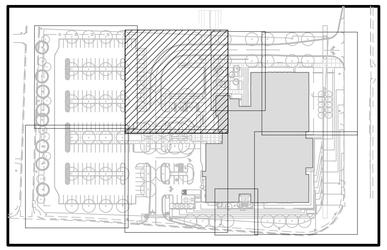
NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
CONIFEROUS TREES		
PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
CA-3	*Carpinus caroliniana*	American Hornbeam
GT-6	*Gleditsia tricanthose*	Honey Locust
QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
DECIDUOUS ORNAMENTAL TREES		
BTM-3	*Betula nigra*	River Birch (multi-stem)
BTS-3	*Betula nigra*	River Birch (single-stem)
CC-2	*Cercis canadensis 'Royal White'*	White Bud
SHRUBS		
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster
CS-5	*Cornus sericea*	Red Osier Dogwood
IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda 'Froebelii'*	Froebel Spirea
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum
ORNAMENTAL GRASSES		
BG-1	*Bouteloua gracilis 'Blonde Ambition'*	Blue Grama 'Blonde Ambition
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass
PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris 'Midnight Fragrance'*	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium 'Purple Sensation'*	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

KEY PLAN

NOT TO SCALE



NORTH 0 5' 10' 20'
ORIGINAL SCALE: 1"=10'-0"

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10-15-15

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	ADDENDUM 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

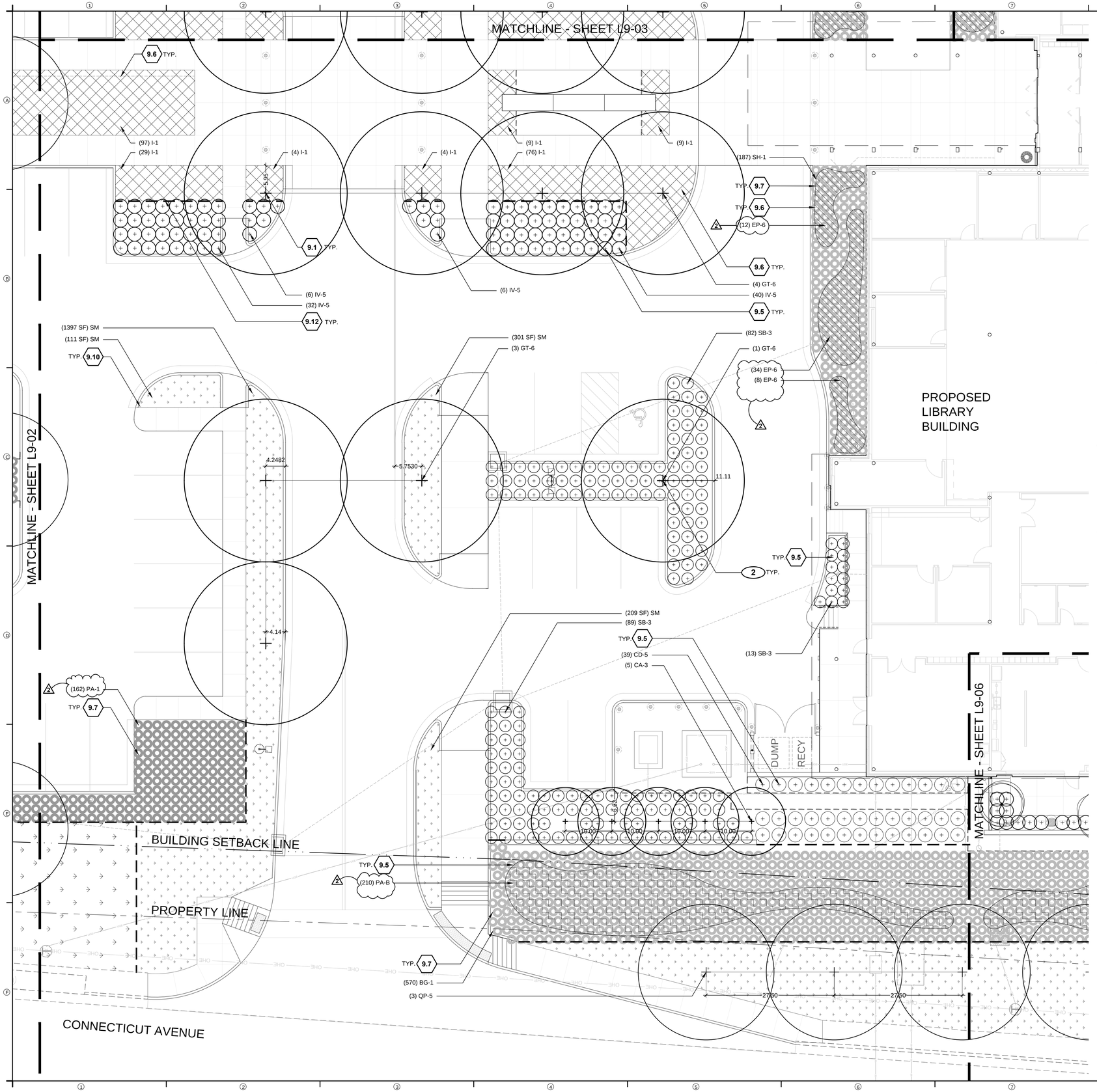
EDA. PROJECT NUMBER 05-79-05345

SITE PLANTING PLAN

SHEET NUMBER

L9-03

Nov 18, 2015 - 9:52am
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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
9.6	Perennial Planting	5/L10-01	000000	32-329400
9.7	Ornamental Grass Planting	6/L10-01	000000	32-329200
9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
9.10	Lawn Soding	6/L10-01	000000	32-329200
9.11	Native Lawn Soding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

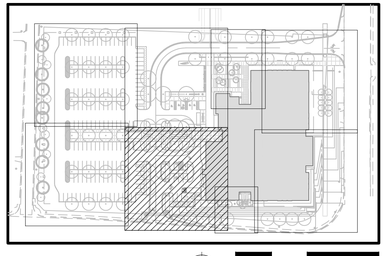
NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
CONIFEROUS TREES		
PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
CA-3	*Carpinus caroliniana*	American Hornbeam
GT-6	*Gleditsia tricanthose*	Honey Locust
QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
DECIDUOUS ORNAMENTAL TREES		
BTM-3	*Betula nigra*	River Birch (multi-stem)
BTS-3	*Betula nigra*	River Birch (single-stem)
CC-2	*Cercis canadensis 'Royal White'*	White Bud
SHRUBS		
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster
CS-5	*Cornus sericea*	Red Osier Dogwood
IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda 'Froebelii'*	Froebel Spirea
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum
ORNAMENTAL GRASSES		
BG-1	*Bouteloua gracilis 'Blonde Ambition'*	Blue Grama 'Blonde Ambition
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass
PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris 'Midnight Fragrance'*	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium 'Purple Sensation'*	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

KEY PLAN

NOT TO SCALE



NORTH 0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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REVISIONS

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2	11.18.2015	ADDENDUM 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

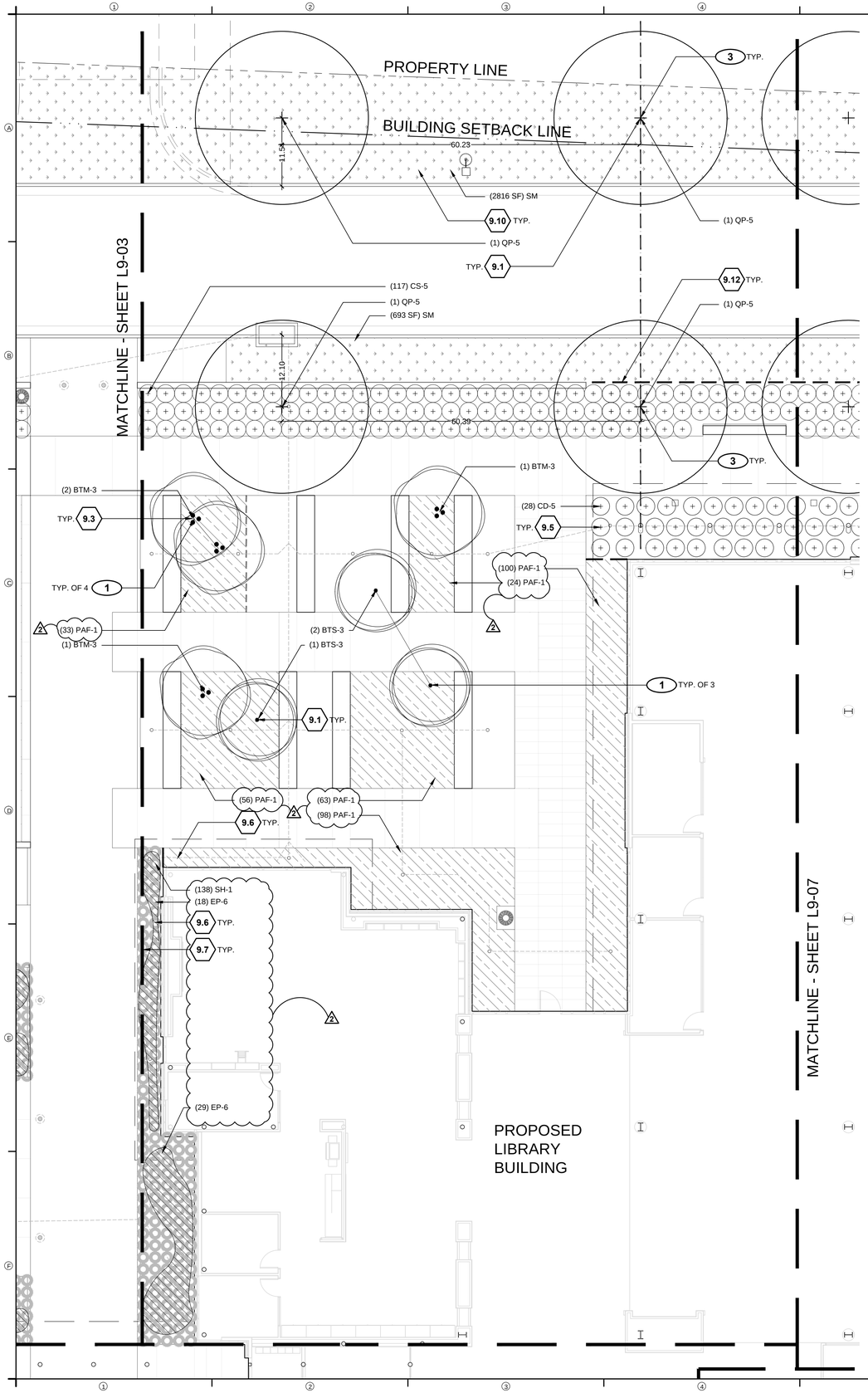
EDA. PROJECT NUMBER 05-79-05345

SITE PLANTING PLAN

SHEET NUMBER

L9-04

Nov 19, 2015 - 11:24am
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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
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9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

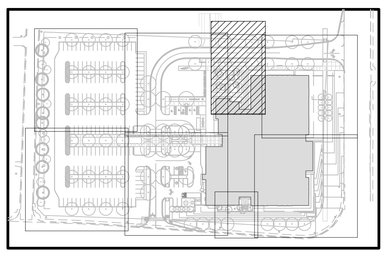
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PLANT LIST

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IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda* 'Froebelii'	Froebel Spirea
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EP-6	*Echinacea purpurea*	Purple Coneflower
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PA-B	*Allium* 'Purple Sensation'	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

KEY PLAN

NOT TO SCALE



NORTH 0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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Telephone: 970.282.1800
E Fax: 866.215.8974
Web: www.hinesinc.com

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20TH STREET & CONNECTICUT AVENUE

JOPLIN, JASPER COUNTY, MISSOURI

STATE OF MISSOURI
Kurt Culbertson
Number:
PLA 2003002780
10-15-15
PROFESSIONAL LANDSCAPE ARCHITECT

KURT CULBERTSON
PROFESSIONAL LANDSCAPE ARCHITECT PLA2003002780

REVISIONS

#	DATE	DESCRIPTION
2	11.18.2015	ADDENDUM 2

DRAWN: AM REVIEWED: KC

DATE 10/15/2015

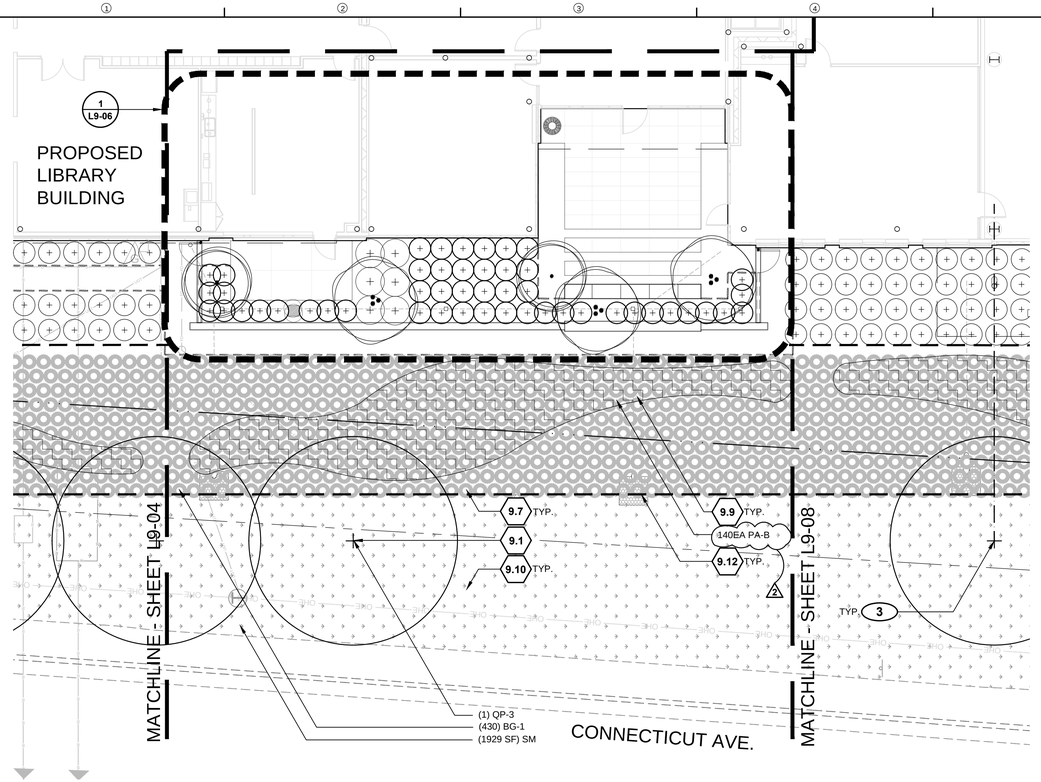
EDA. PROJECT NUMBER 05-79-05345

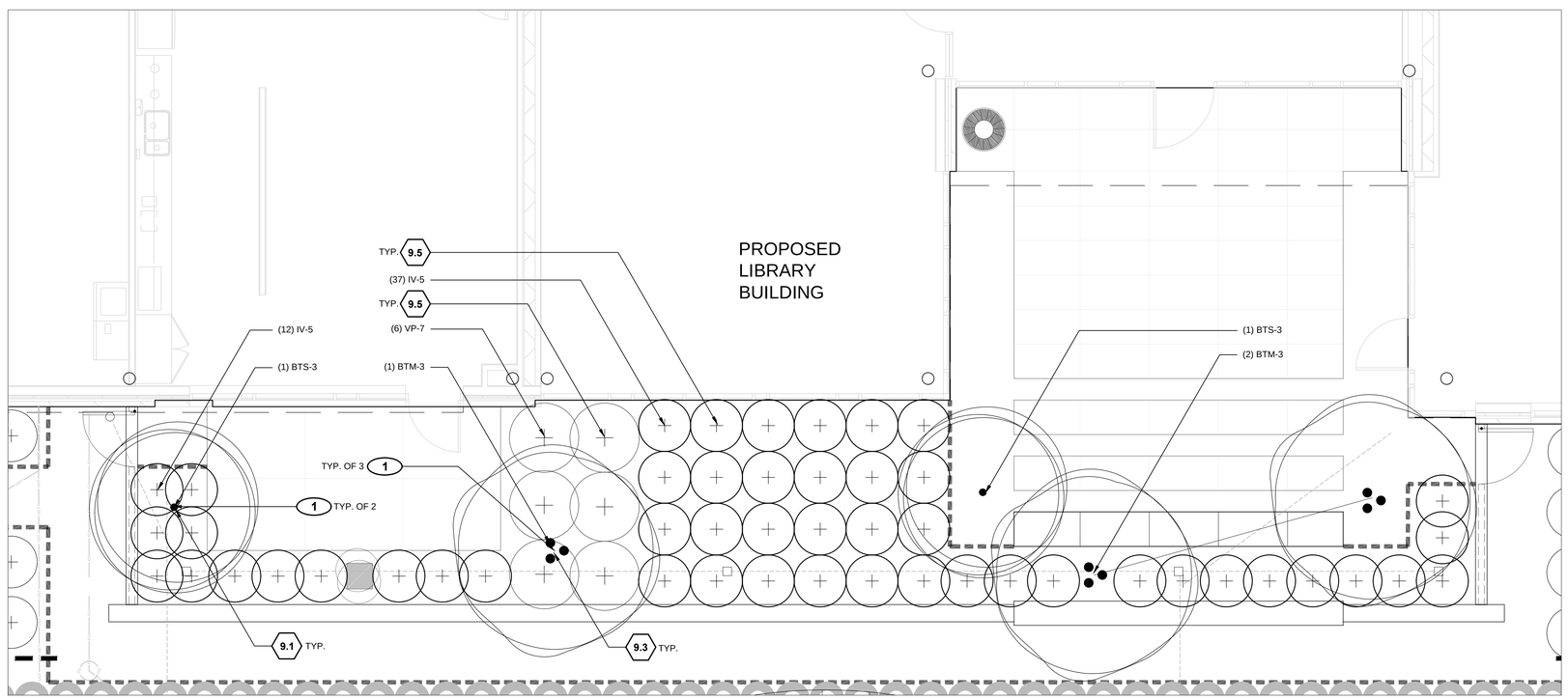
SITE PLANTING PLAN

SHEET NUMBER

L9-05

Nov 18, 2015 - 9:54am
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1 COURTYARD ENLARGEMENT PLAN

1/4"=1'

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
9.6	Perennial Planting	5/L10-01	000000	32-329400
9.7	Ornamental Grass Planting	6/L10-01	000000	32-329200
9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
9.10	Lawn Soding	6/L10-01	000000	32-329200
9.11	Native Lawn Soding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

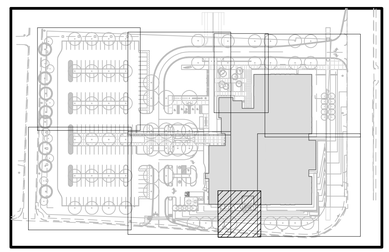
NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
CONIFEROUS TREES		
PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
CA-3	*Carpinus caroliniana*	American Hornbeam
GT-6	*Gleditsia tricanthose*	Honey Locust
QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
DECIDUOUS ORNAMENTAL TREES		
BTM-3	*Betula nigra*	River Birch (multi-stem)
BTS-3	*Betula nigra*	River Birch (single-stem)
CC-2	*Cercis canadensis* 'Royal White'	White Bud
SHRUBS		
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster
CS-5	*Cornus sericea*	Red Osier Dogwood
IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda* 'Froebelii'	Froebel Spirea
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum
ORNAMENTAL GRASSES		
BG-1	*Bouteloua gracilis* 'Blonde Ambition'	Blue Grama 'Blonde Ambition
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass
PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris* 'Midnight Fragrance'	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium* 'Purple Sensation'	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

KEY PLAN

NOT TO SCALE



NORTH 0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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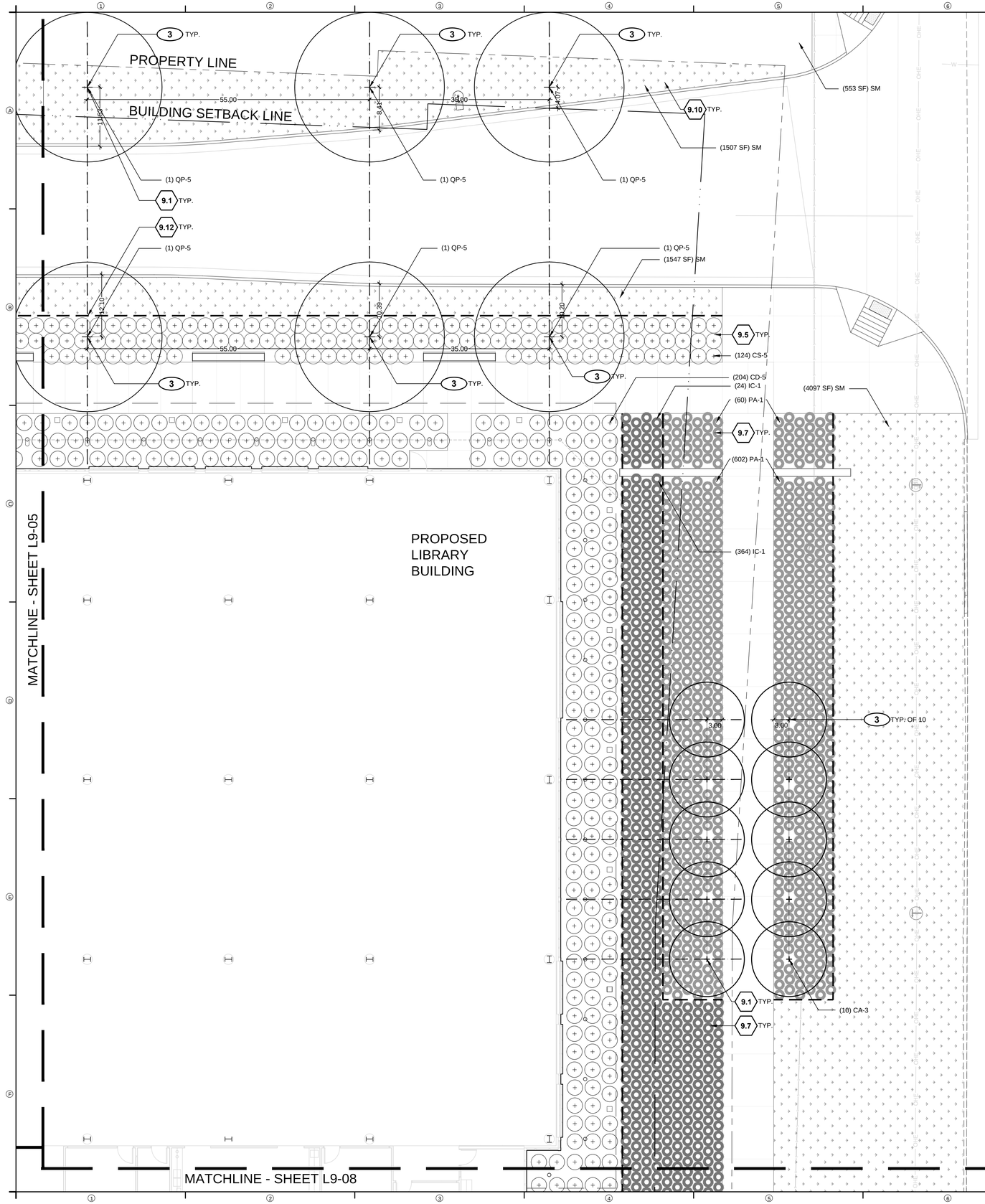
EDA. PROJECT NUMBER 05-79-05345

SITE PLANTING PLAN

SHEET NUMBER

L9-06

Nov 18, 2015 - 9:54am
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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
9.6	Perennial Planting	5/L10-01	000000	32-329400
9.7	Ornamental Grass Planting	6/L10-01	000000	32-329200
9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
9.10	Lawn Soding	6/L10-01	000000	32-329200
9.11	Native Lawn Soding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

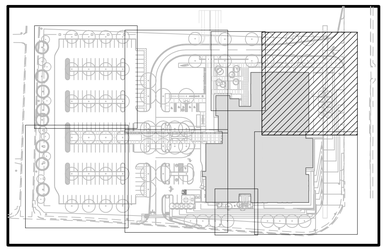
PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
CONIFEROUS TREES		
PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
CA-3	*Carpinus caroliniana*	American Hornbeam
GT-6	*Gleditsia tricanthose*	Honey Locust
QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
DECIDUOUS ORNAMENTAL TREES		
BTM-3	*Betula nigra*	River Birch (multi-stem)
BTS-3	*Betula nigra*	River Birch (single-stem)
CC-2	*Cercis canadensis* 'Royal White'	White Bud
SHRUBS		
CD-5	*Cotoneaster divaricatus*	Spreading Cotoneaster
CS-5	*Cornus sericea*	Red Osier Dogwood
IV-5	*Itea virginica*	Virginia Sweetspire
SB-3	*Spiraea x bumalda* 'Froebelii'	Froebel Spirea
VP-7	*Viburnum prunifolium*	Blackhaw Viburnum
ORNAMENTAL GRASSES		
BG-1	*Bouteloua gracilis* 'Blonde Ambition'	Blue Grama 'Blonde Ambition
IC-1	*Panicum virgatum 'Shenandoah'*	Shenandoah Switchgrass
PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris* 'Midnight Fragrance'	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium* 'Purple Sensation'	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

NOTE: COORDINATE ALL PLANTINGS AND LANDSCAPE INSTALLATIONS ALONG 20th STREET ROW. WITH SEWER LINE INSTALLATION. REFERENCE CIVIL DRAWINGS FOR TIMING AND COORDINATION. DO NOT INSTALL LANDSCAPE UNTIL AFTER SEWER LINE IS INSTALLED.

KEY PLAN

NOT TO SCALE



NORTH

0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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REVISIONS

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2	11.18.2015	ADDENDUM 2

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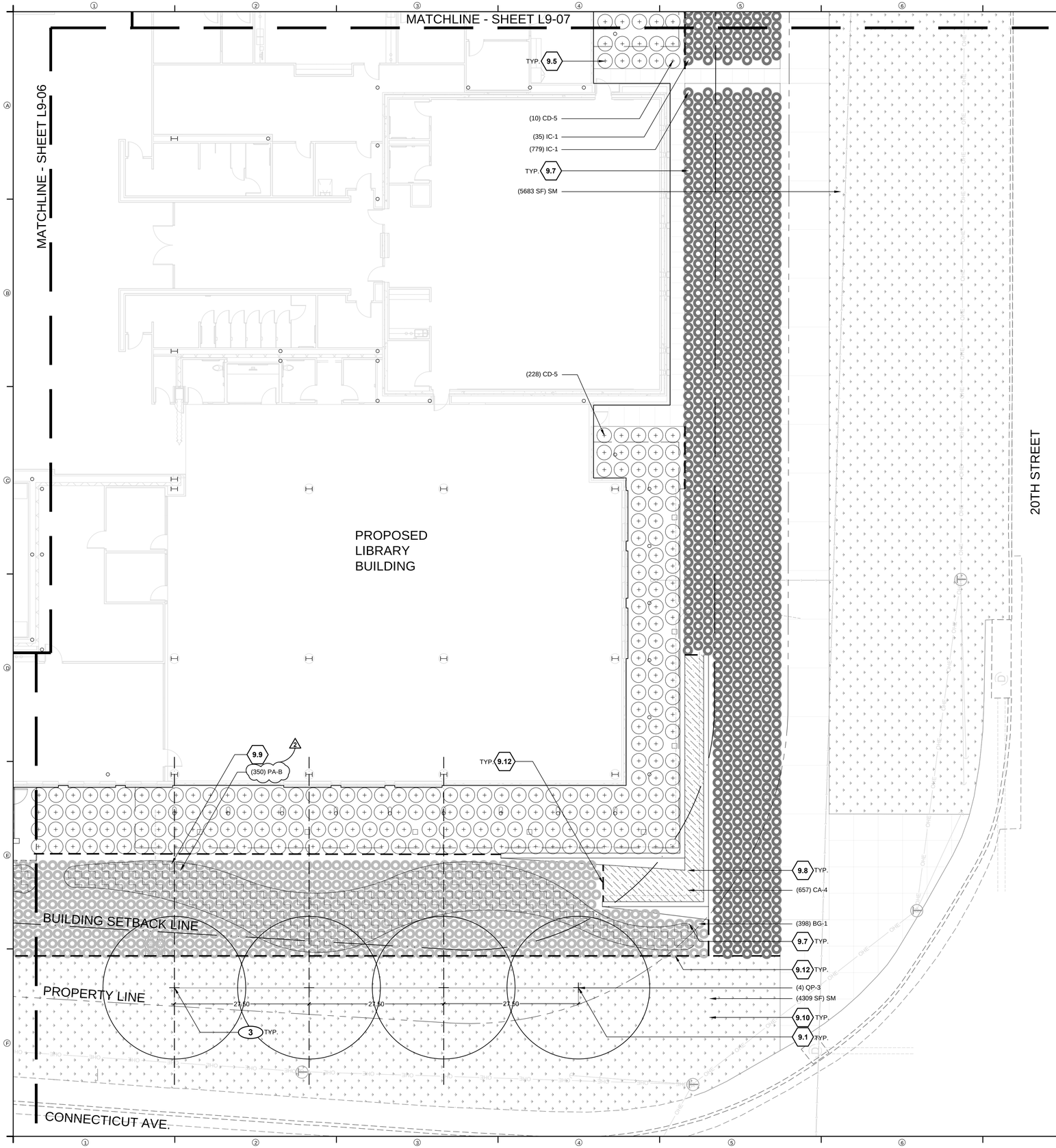
EDA. PROJECT NUMBER 05-79-05345

SITE PLANTING PLAN

SHEET NUMBER

L9-07

Nov 18, 2015 - 9:55am
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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAIL(S)	SPEC. SECTION
9.0	**PLANTING AND LANDSCAPE**			
9.1	Deciduous Tree Planting	1/L10-01	000000	32-329400
9.2	Deciduous Tree Planting in Gravel	2/L10-01	000000	32-329400
9.3	Deciduous Multi-Trunk Tree Planting	2/L10-01	000000	32-329400
9.4	Coniferous Tree Planting	3/L10-01	000000	32-329400
9.5	Deciduous Shrub Planting	4/L10-01	000000	32-329400
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9.8	Ground Cover Planting	7/L10-01	000000	32-329200
9.9	Bulb Planting	8/L10-01	000000	32-329400
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9.11	Native Lawn Soding	7/L10-01	000000	32-329200
9.12	Metal Landscape Edging	8/L10-01	000000	32-329400
9.13	Planting Soil Type 1 (sod lawn)	000000	000000	32-329400
9.14	Planting Soil Type 2 (planting beds)	000000	000000	32-329200
9.15	Planting Soil Type 3 (trees)	000000	000000	32-329400

PLANTING REFERENCE NOTES

1. TREE ROOT WATERING - ASSEMBLY SEE DETAIL 18/IRZ.1
2. CENTER TREE ON HARDSCAPE EDGE
3. CENTER TREE ON BUILDING COLUMN

NOTE: ALL PLANT LOCATIONS TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT.

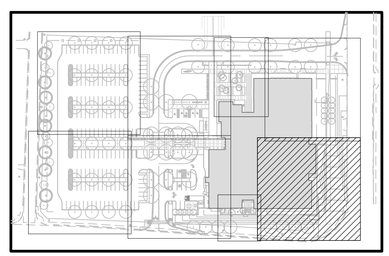
PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME
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PT-10	*Pinus taeda*	Loblolly Pine
DECIDUOUS SHADE TREES		
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QP-5	*Quercus phellos*	Willow Oak
TA-3	*Tilia Americana*	Basswood
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IV-5	*Itea virginica*	Virginia Sweetspire
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PA-1	*Pennisetum alopecuroides*	Fountain Grass
SH-1	*Sporobolus heterolepis*	Prairie dropseed
PERENNIALS		
CA-4	*Calamintha arkansana*	Calamint
EP-6	*Echinacea purpurea*	Purple Coneflower
I-1	*Iris* 'Midnight Fragrance'	Midnight Fragrance Iris
PAF-1	*Pteridium aquilinum*	Bracken Fern
BULBS		
PA-B	*Allium* 'Purple Sensation'	*Allium* 'Purple Sensation'
TURF/SOD		
BD	*Buchloe dactyloides*	Buffalo Grass
SM	*Turf sod*	

NOTE: COORDINATE ALL PLANTINGS AND LANDSCAPE INSTALLATIONS ALONG 20th STREET ROW. WITH SEWER LINE INSTALLATION. REFERENCE CIVIL DRAWINGS FOR TIMING AND COORDINATION. DO NOT INSTALL LANDSCAPE UNTIL AFTER SEWER LINE IS INSTALLED.

KEY PLAN

NOT TO SCALE



NORTH

0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

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SITE PLANTING PLAN

SHEET NUMBER

L9-08

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