

# UCHealth – University of Colorado Hospital Lots 4 & 6 Expansion

University of Colorado Design Review Board  
Design Development  
May 14, 2020

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- B. Design Development
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## A. Introductions & Project Goals

## A/E Team



Martin & Martin – Civil and Structural Engineering



Dig Studio – Landscape Architecture

# Project Goals

1. Provide immediate parking relief while Lot 2 goes offline for the construction of planned structured parking.
2. Create a landscaped campus edge along Colfax that helps screen lots 4 and 6 and enhances the pedestrian environment in a way that works with future growth of the campus.
2. Project Completion Goal: August 11, 2020.  
(Coinciding with Lot 2 going offline).
2. Estimated construction time: 2 months.

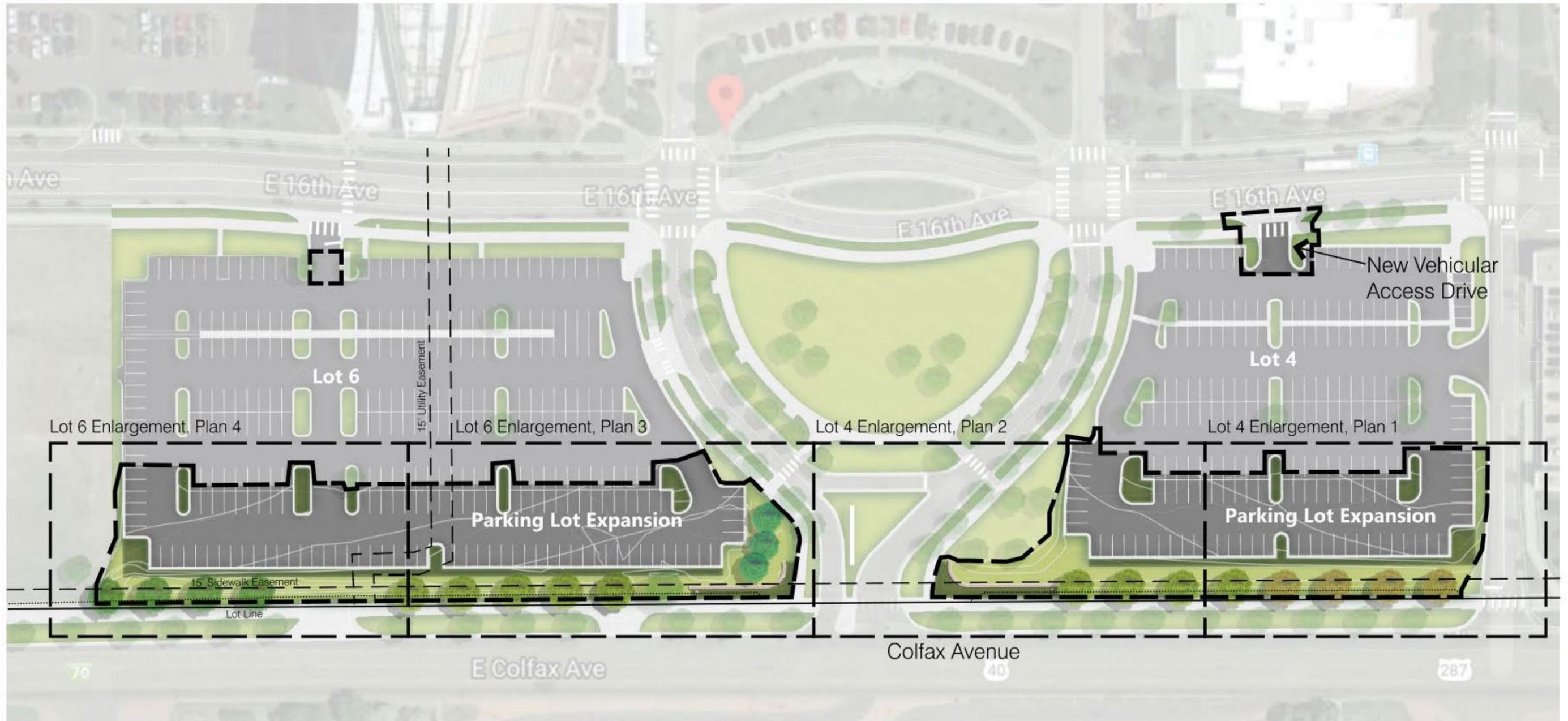
# Context of Project – Campus



## C. Design Development

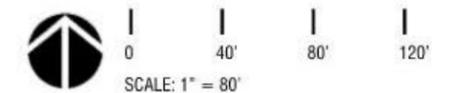
- Site Plan
- Sections
- Grading
- Garden Wall Detail
- Materials
- Plant Palette
- Planting Plan

# Design Development – Site Plan

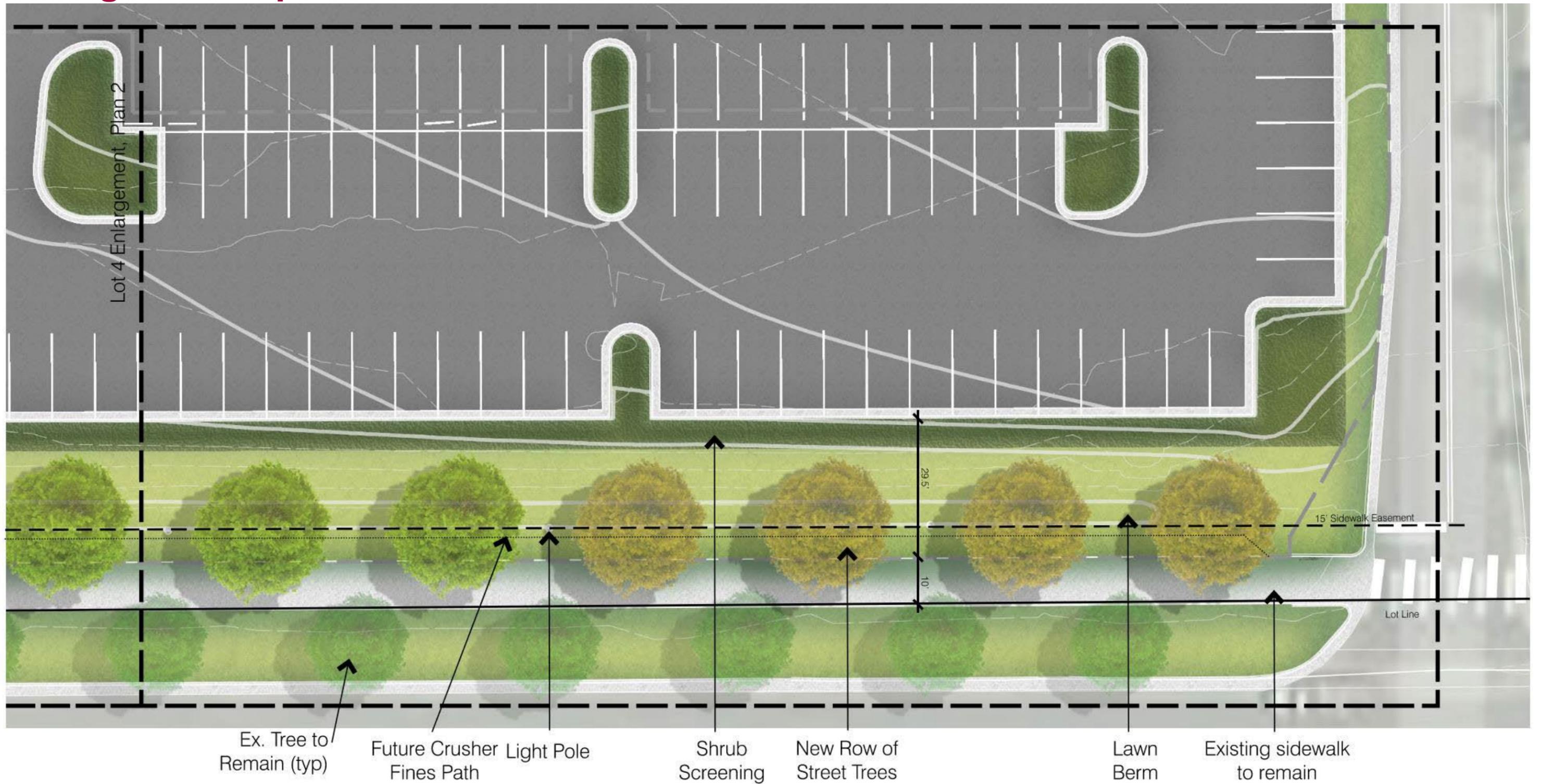


## Parking Counts

Existing Spaces Removed:	37
New Spaced Added:	166
Net Additional Parking Spaces:	129



# Design Development – Site Plan: Lot 4



Ex. Tree to Remain (typ)

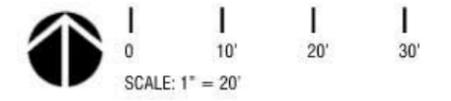
Future Crusher Light Pole Fines Path

Shrub Screening

New Row of Street Trees

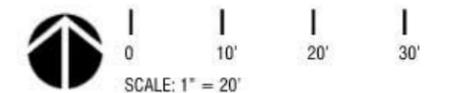
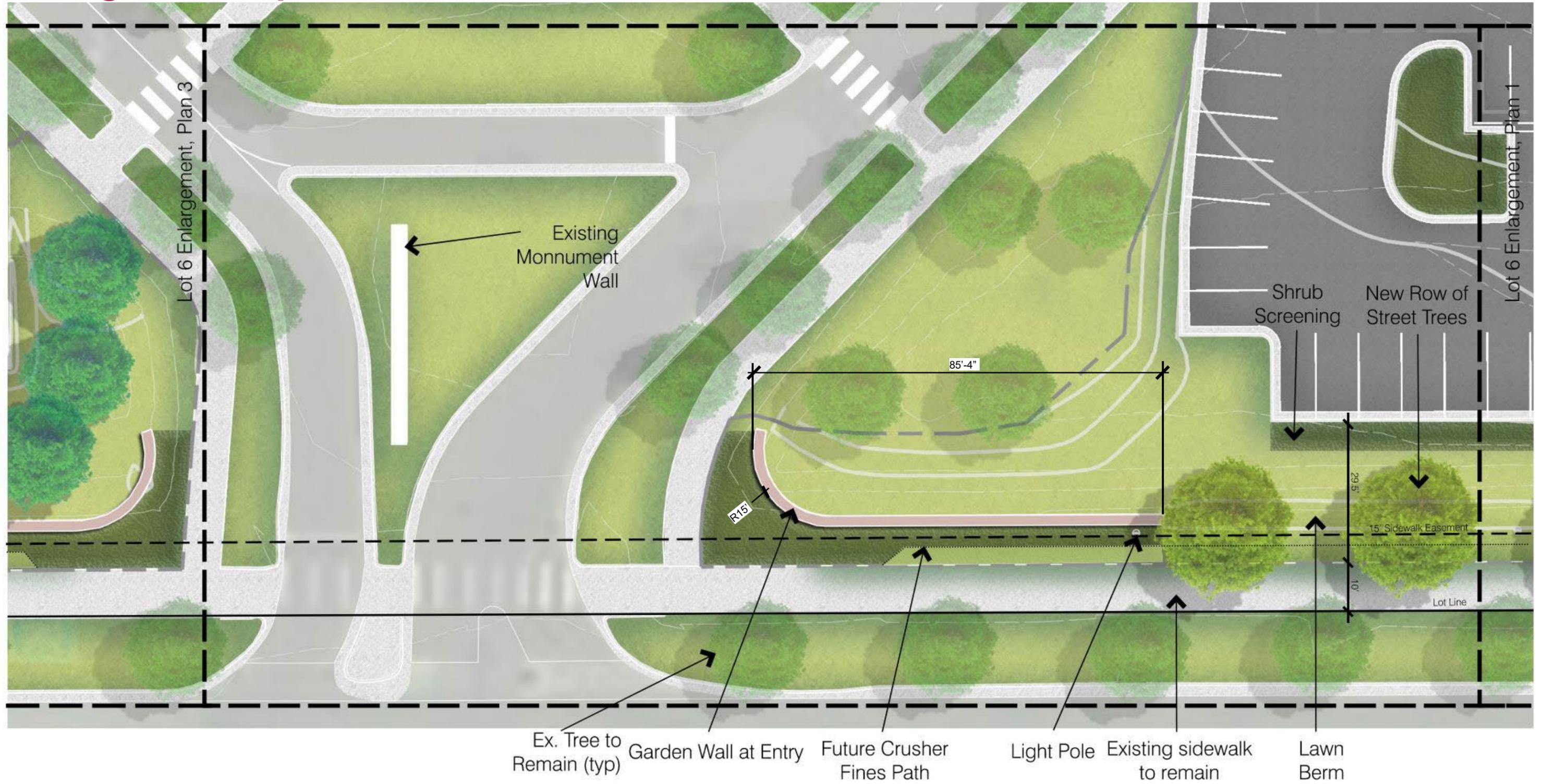
Lawn Berm

Existing sidewalk to remain

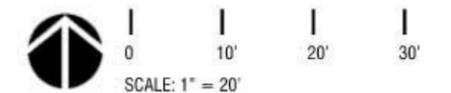
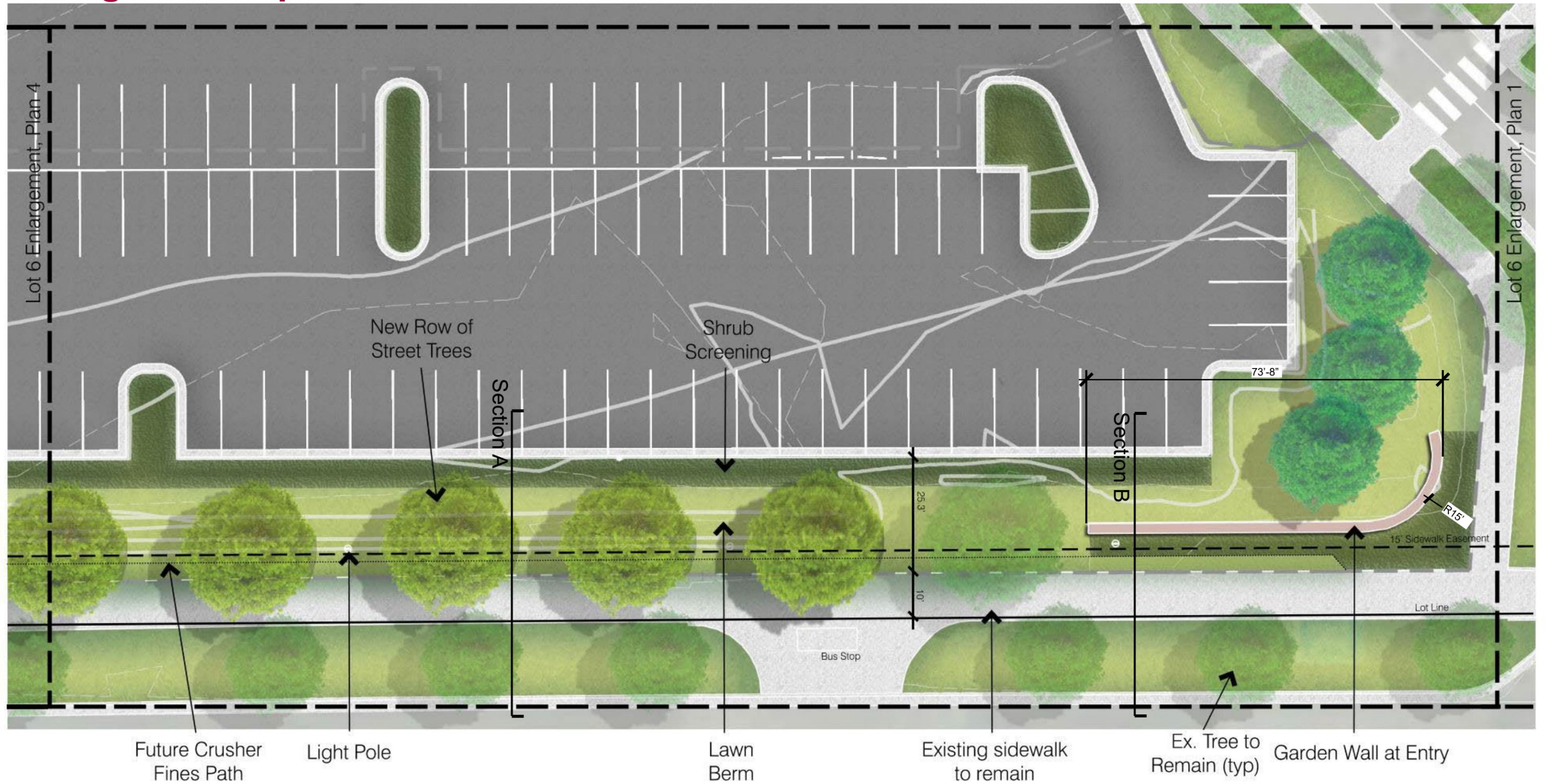


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# Design Development – Site Plan: Lot 4

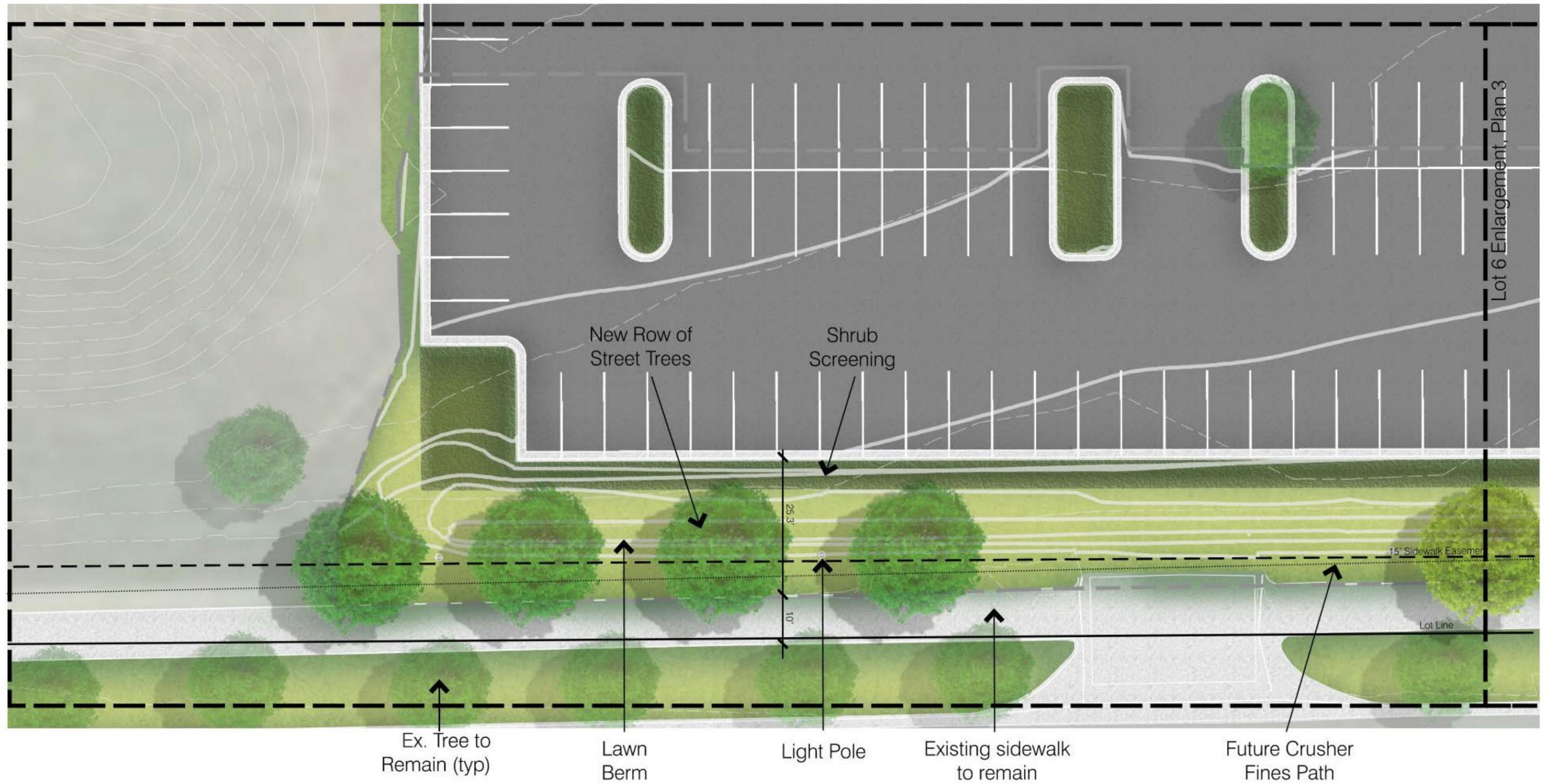


# Design Development – Site Plan: Lot 6

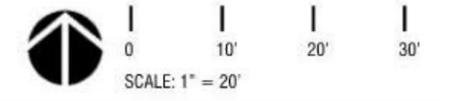


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# Design Development – Site Plan: Lot 6

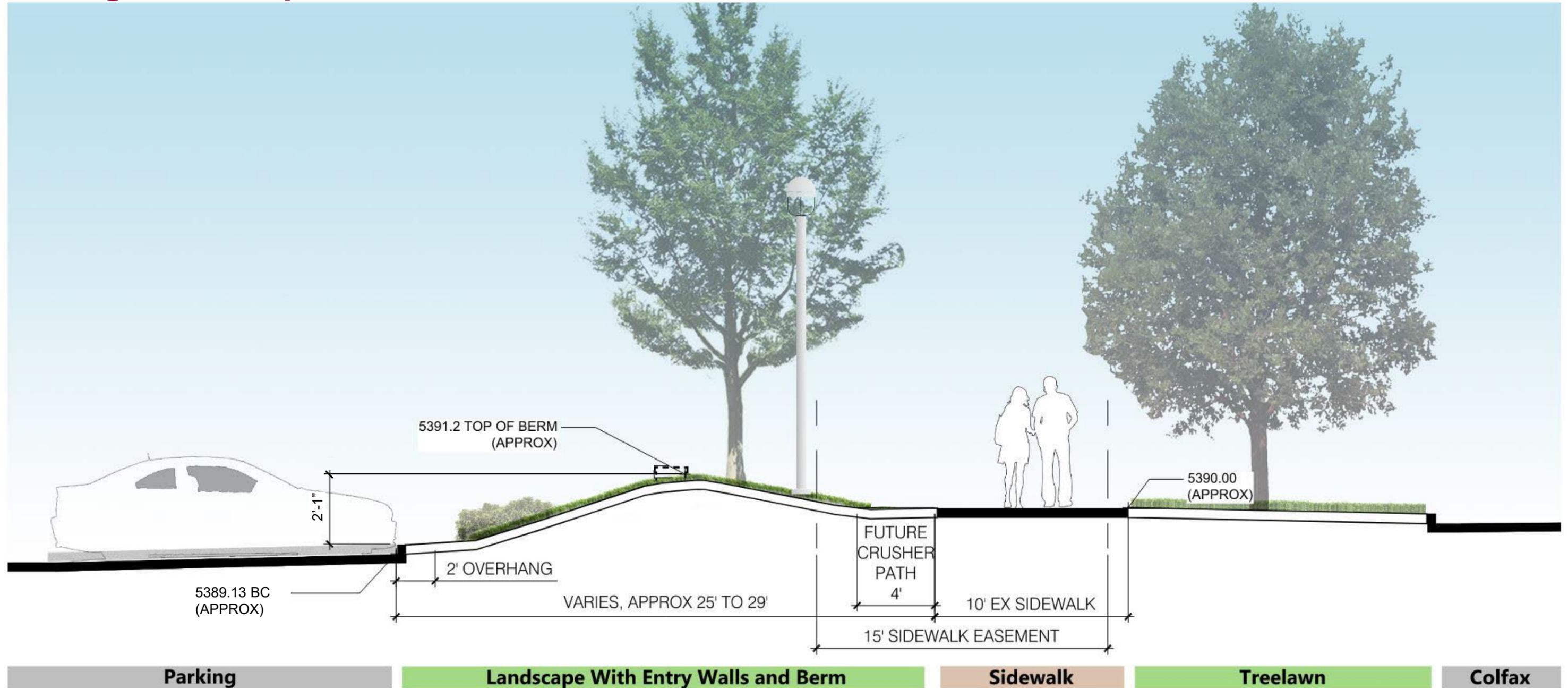


Lot 6 Enlargement, Plan 3



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# Design Development – Sections



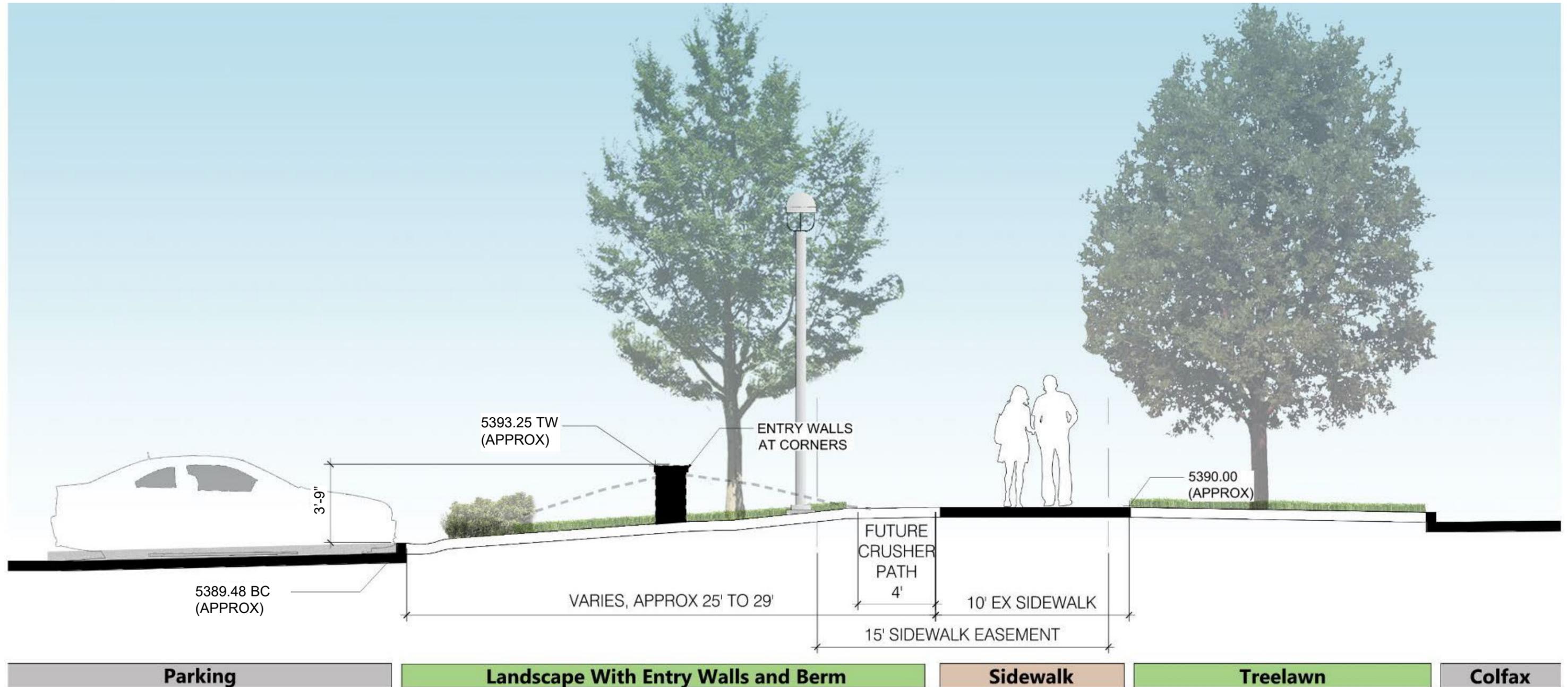
NOTE: Per survey, Sidewalk Easement does not strictly align with sidewalk.

Typical Section B: Through Berm

\*UPDATED SINCE CONCEPT SUBMISSION



# Design Development – Sections



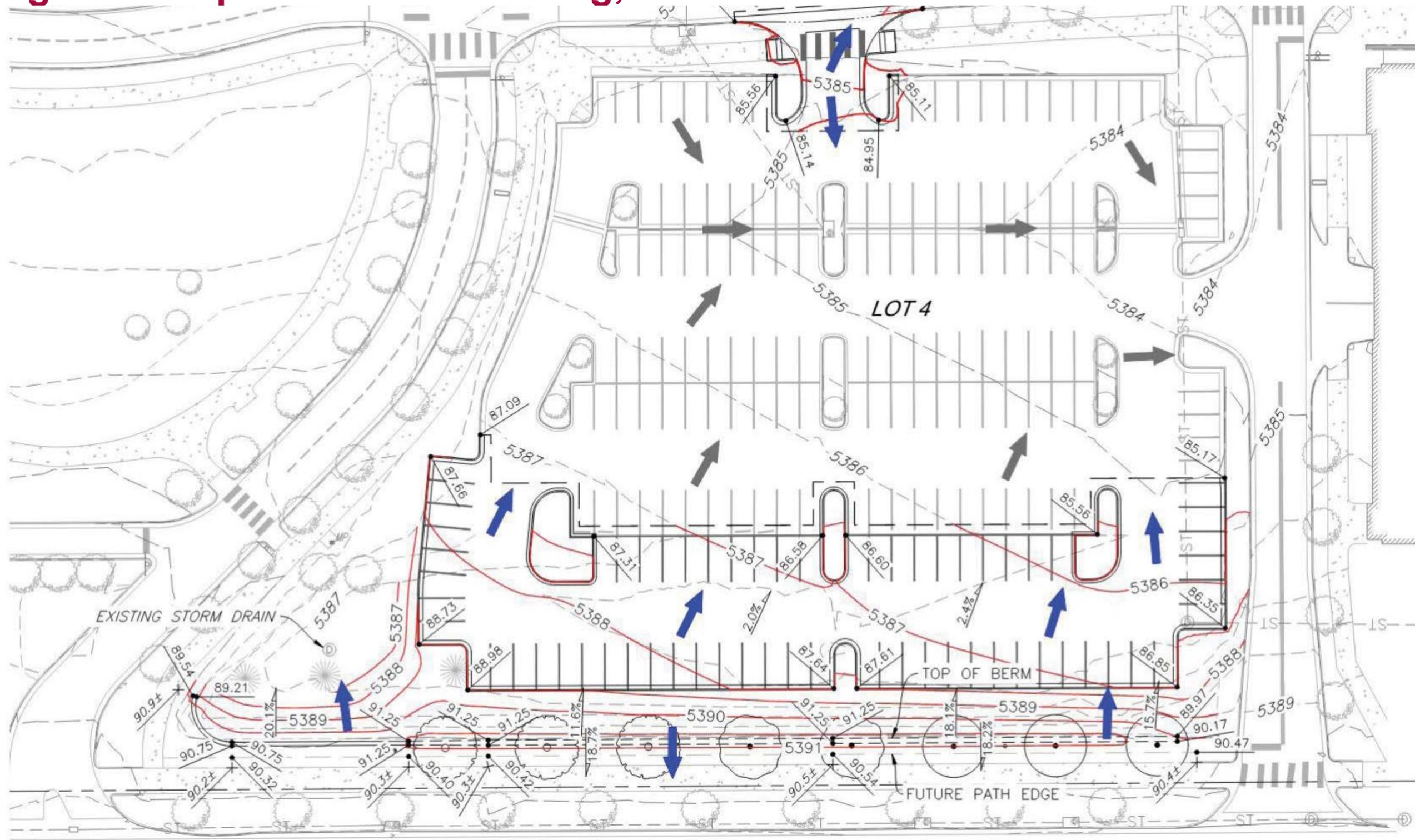
NOTE: Per survey, Sidewalk Easement does not strictly align with sidewalk.

Typical Section B: Through Garden Wall

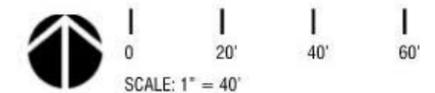
\*UPDATED SINCE CONCEPT SUBMISSION



# Design Development – Site Grading, Lot 4

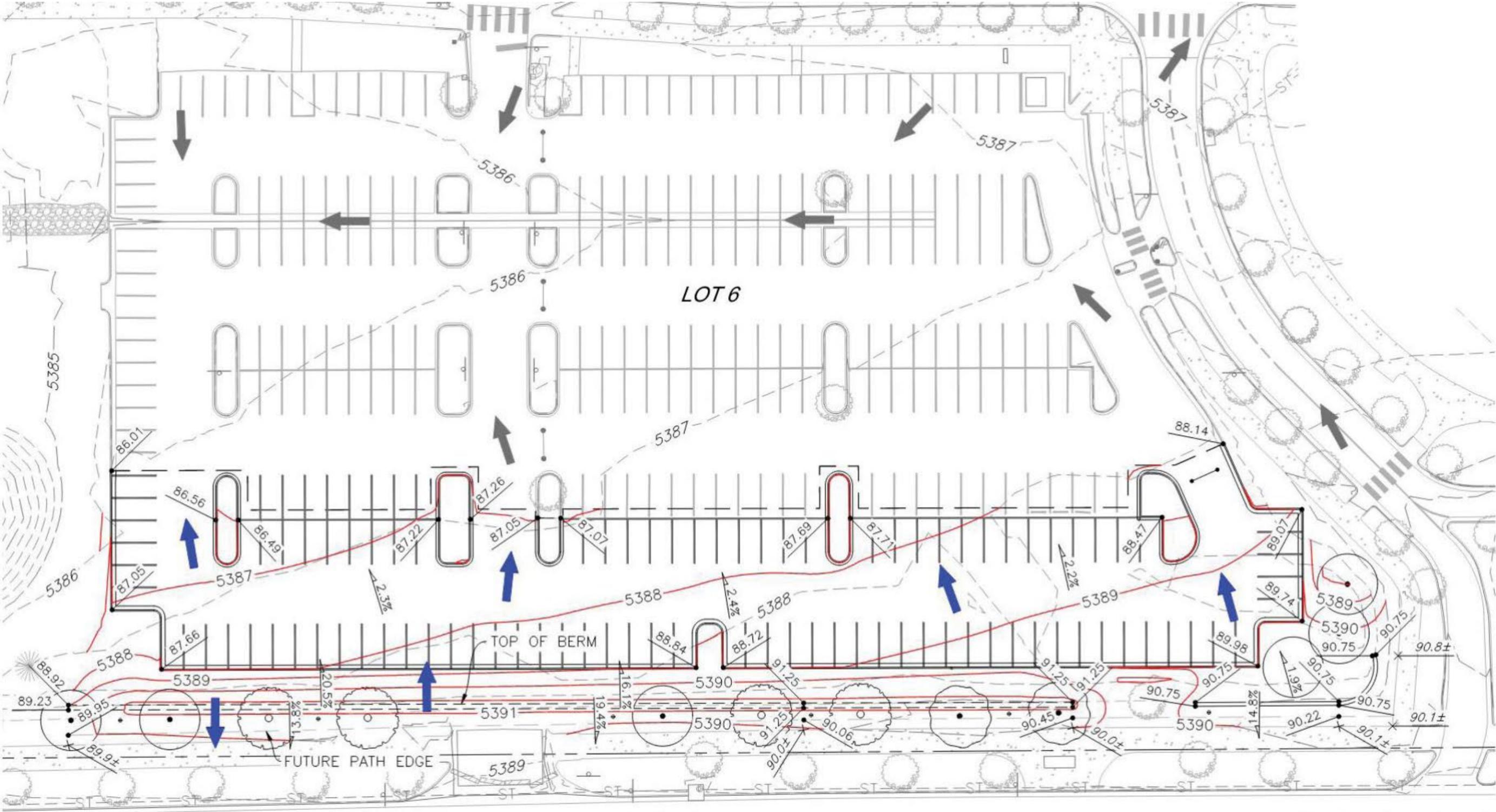


Colfax Avenue

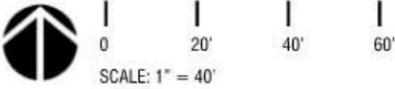


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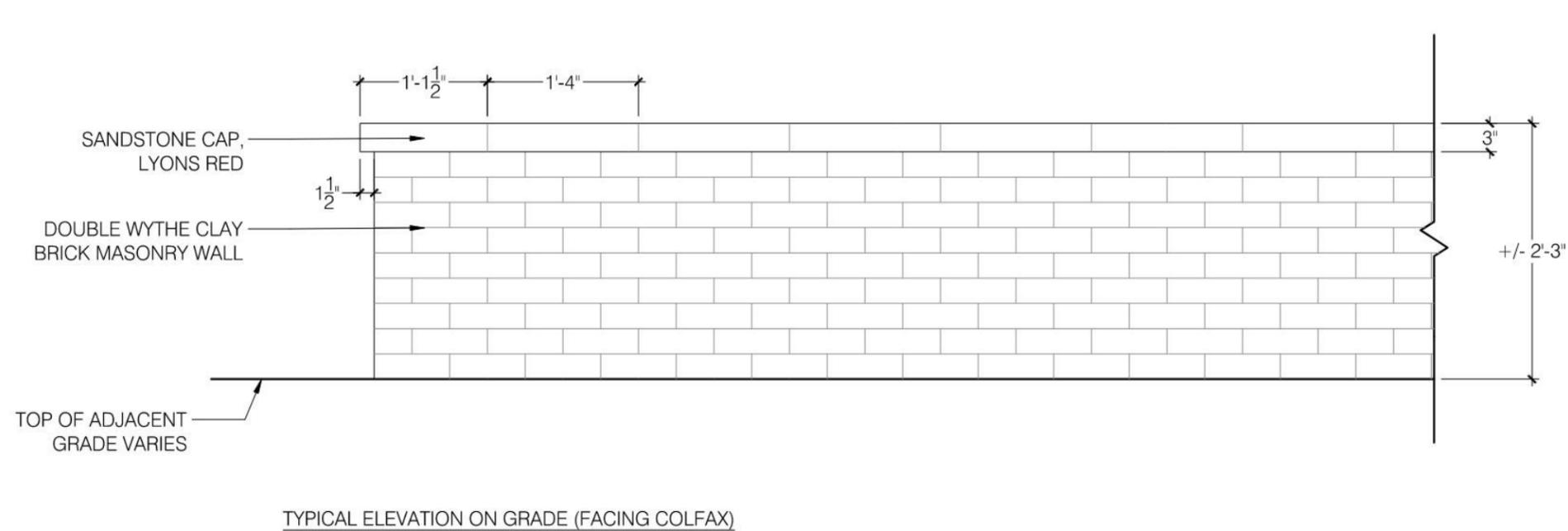
# Design Development – Site Grading, Lot 4



Colfax Avenue

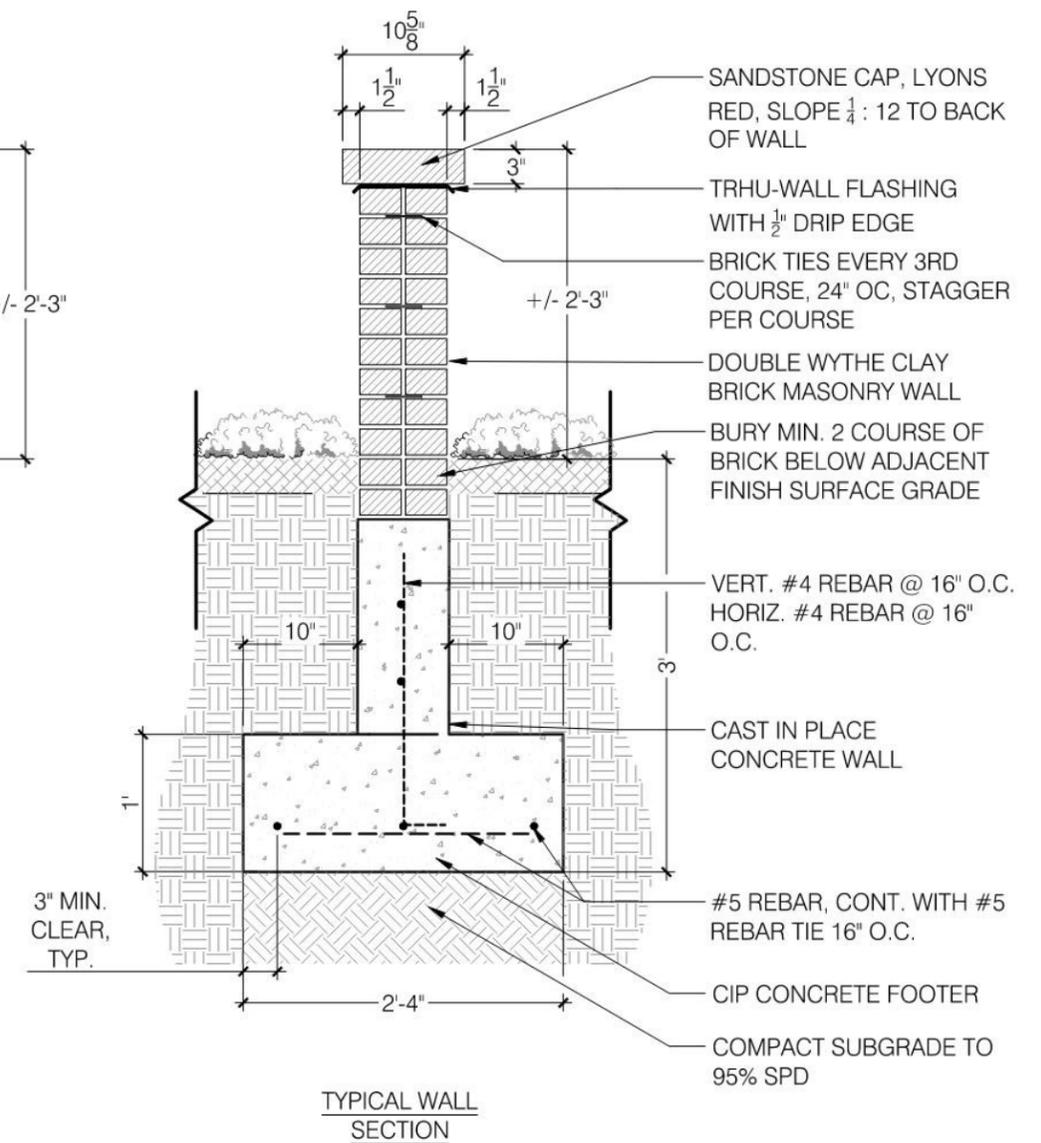


# Design Development – Garden Wall Detail



**NOTES:**

1. STONE CAP TO BE LYONS RED SANDSTONE.
2. BRICK TO BE "CANYON ROSE" BY INTERSTATE BRICK



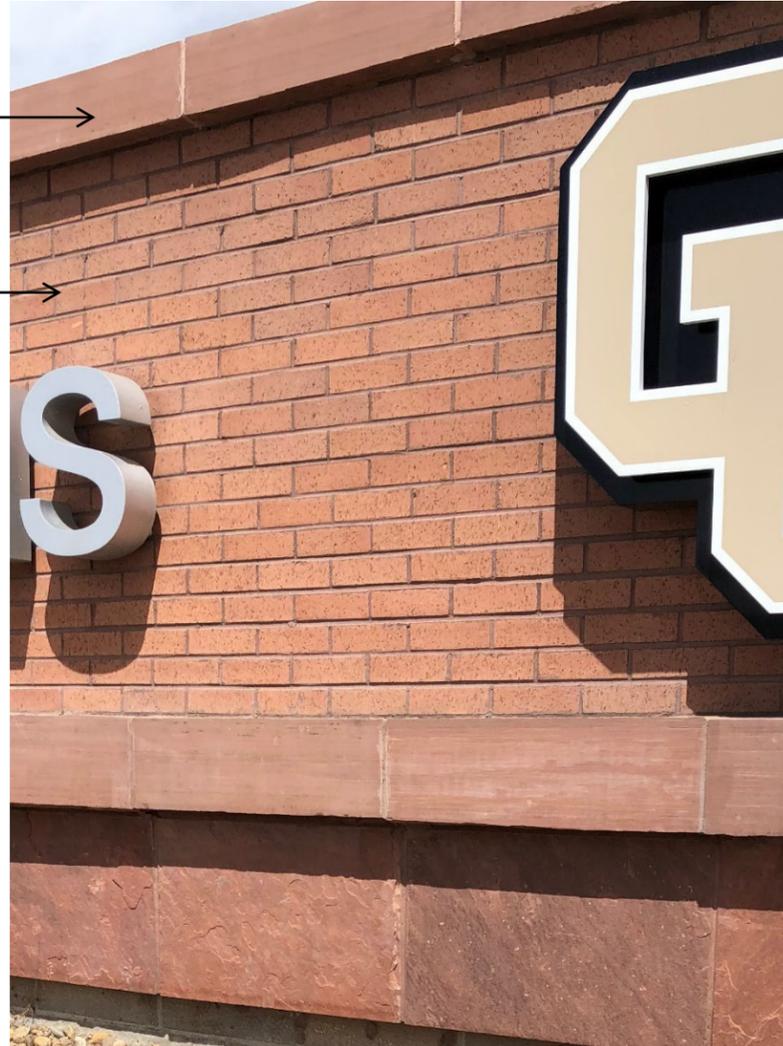
**1** GARDEN WALL  
 $\frac{3}{4}" = 1'-0"$

# Design Development – Materials

Wall materials to match existing campus walls on Colfax

Stone Cap: Lyon's Red Sandstone

Brick: Canyon Rose, Interstate Brick

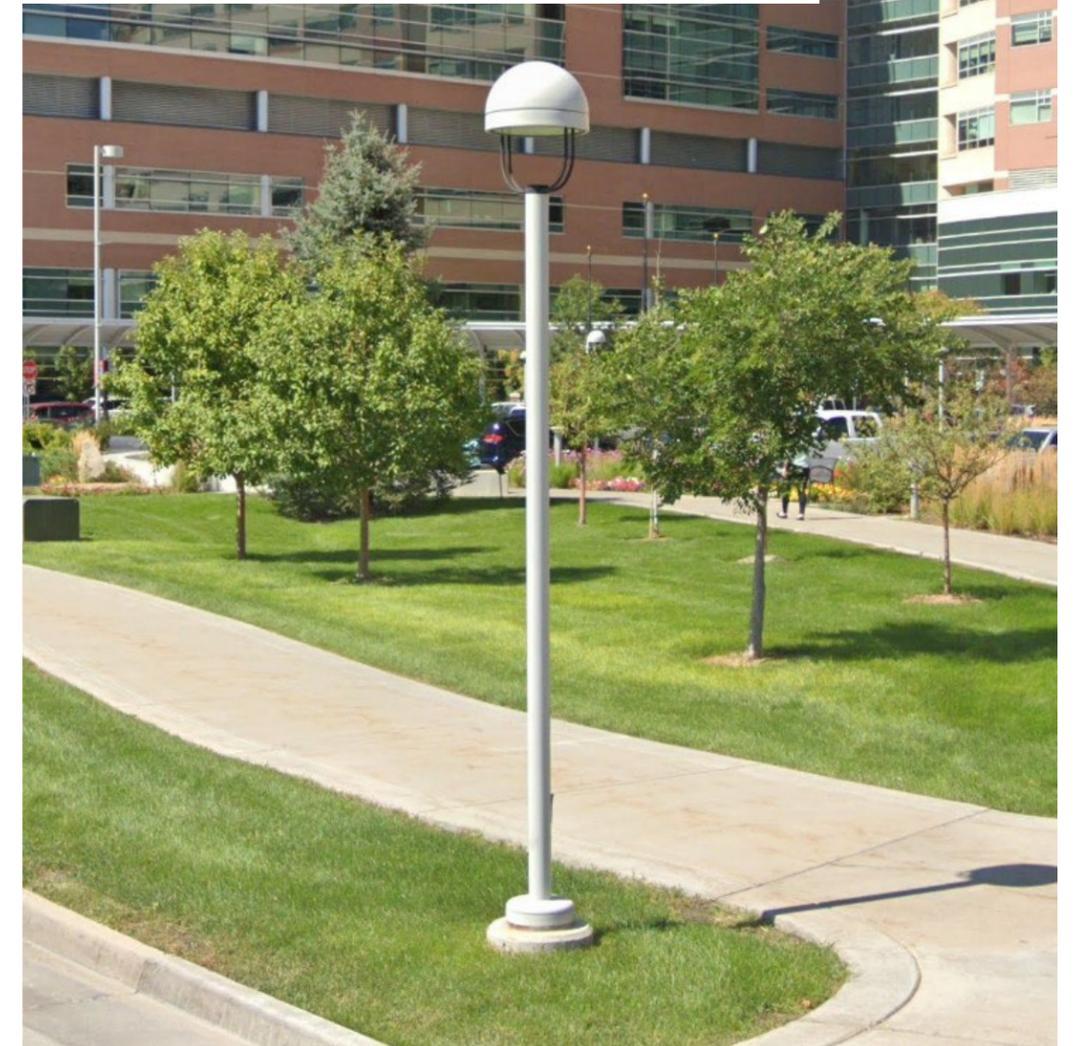


Pedestrian lights to match existing campus standard

Light: Gardco Form 10 MPL17L (LED)

Round Post 10-foot ht.

Color: RAL 7038

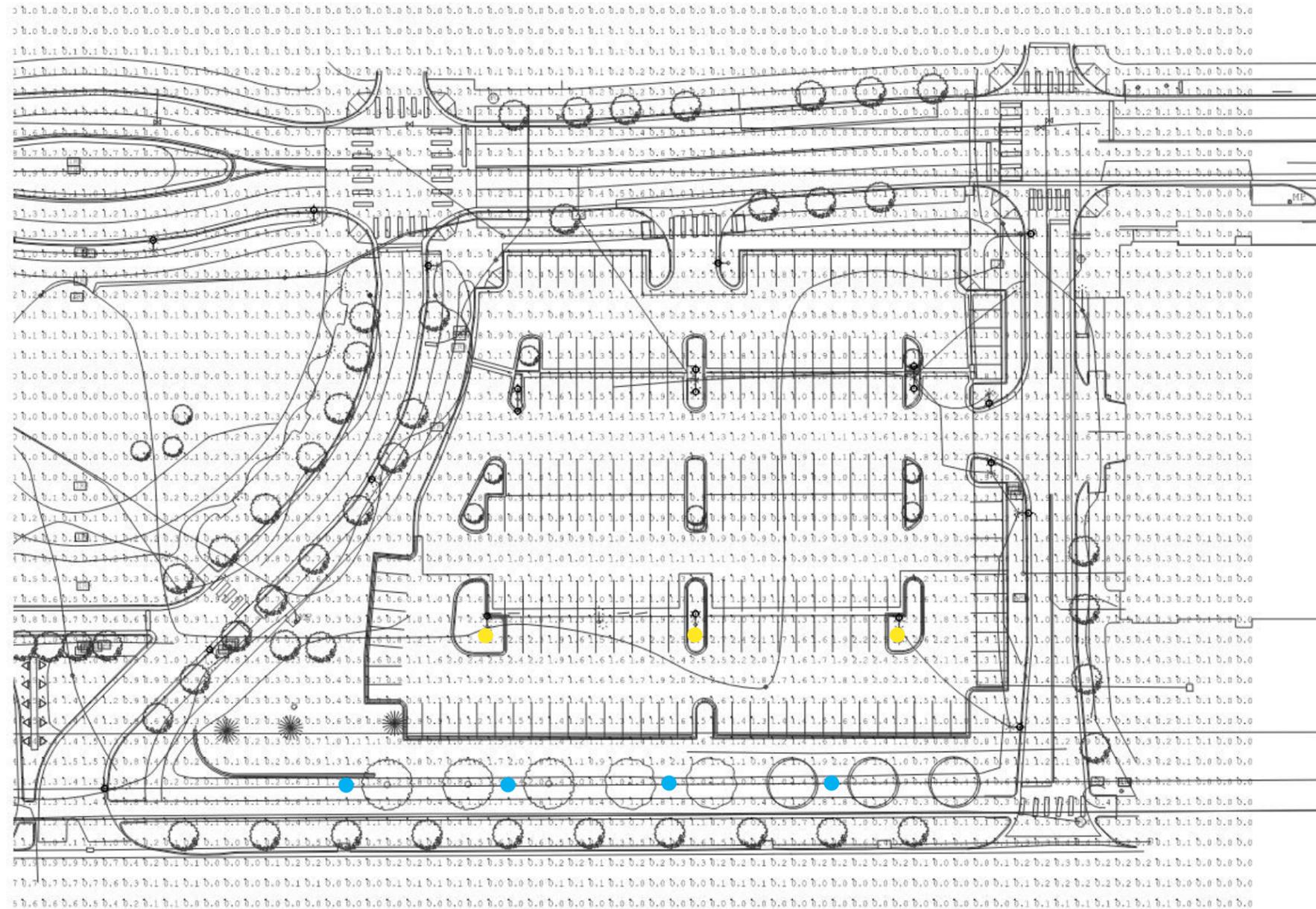


# Design Development – Lighting and Photometric Plan

Luminaire Schedule						
Symbol	Qty	Tag	Description	LLF	Lum. Watts	Lum. Lumens
	37	EXISTING A1	Gardco CA22L (LLF mod for existing 100W LED retrofit lamp)	0.400	134,8781	15501
	8	NEW A1	Gardco CA22L-48L-900-NW-G2-3 (LLF mod for 3000K)	0.800	134,8781	15501
	10	NEW B1	Gardco MP17L-32L-490-NW-G2-5 (LLF mod for 3000K)	0.800	47.4	5141

Mounting height 30'  
Mounting height 30'  
Mounting height 10'

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Fc	0.60	2.7	0.0	N.A.	N.A.



Colfax Avenue

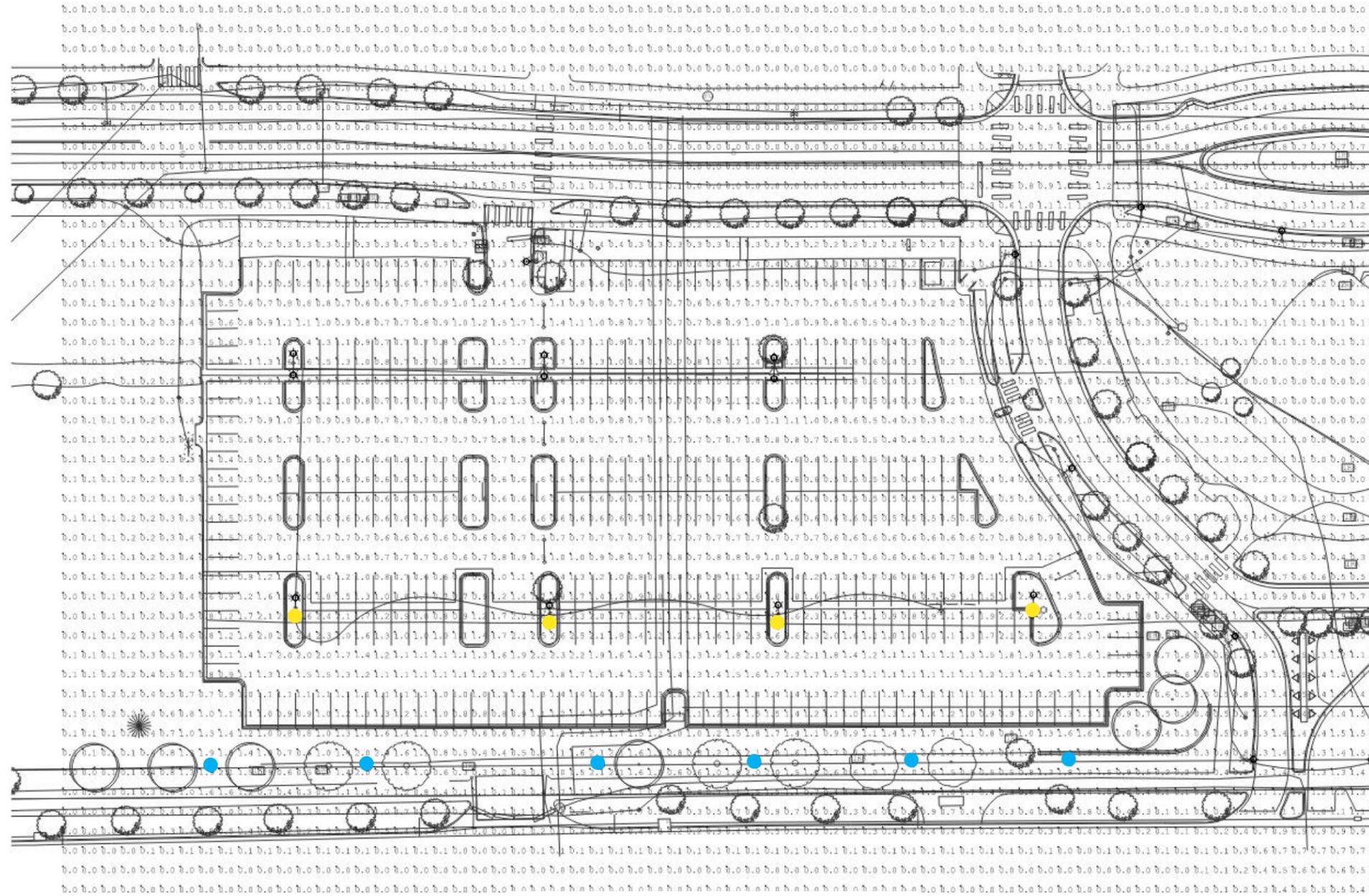


# Design Development – Lighting and Photometric Plan

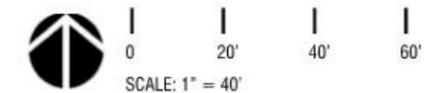
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Mounting height 30'  
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Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Ft	0.60	2.7	0.0	N.A.	N.A.



Colfax Avenue



# Design Development – Plant Palette, Trees



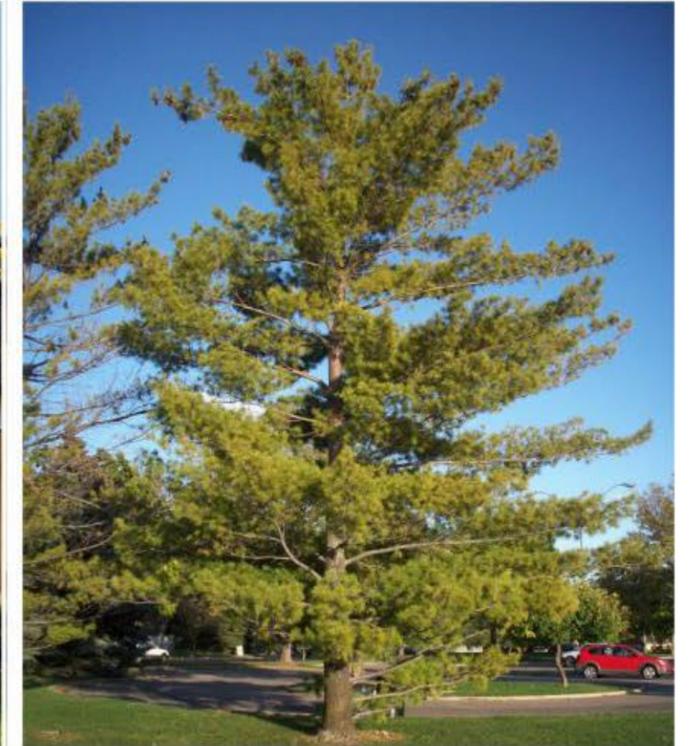
*Gymnocladus dioica*  
Kentucky Coffee Tree



*Catalpa speciosa*  
Catalpa



*Gleditsia trianthos* 'Shademaster'  
Shademaster Honey Locust



*Pinus strobiformis*  
Southwestern White Pine

# Design Development – Plant Palette, Shrubs & Perennials



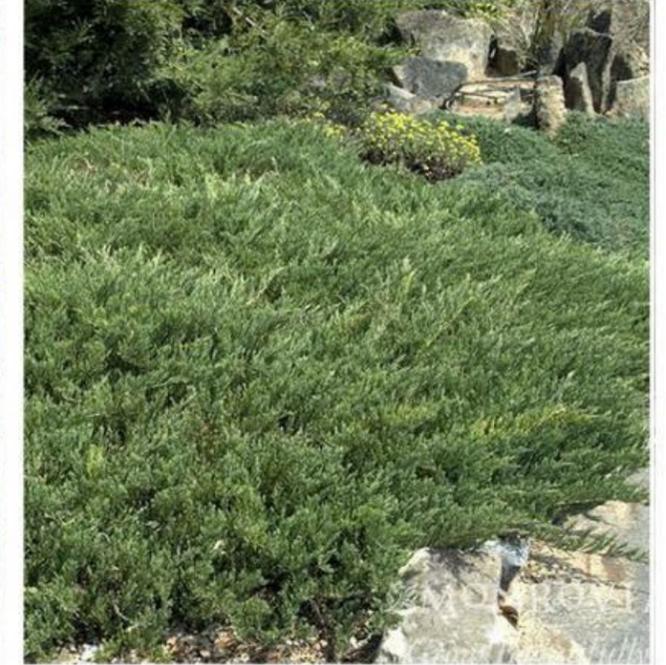
*Syringa pubescens* 'Miss Kim'  
Miss Kim Lilac



*Spiraea nipponica* 'Snowmound'  
Snowmound Spirea



*Cornus sericea* 'Kelsey'  
Kelsey Dogwood



*Juniperus horizontalis* 'Youngstown'  
Creeping Juniper

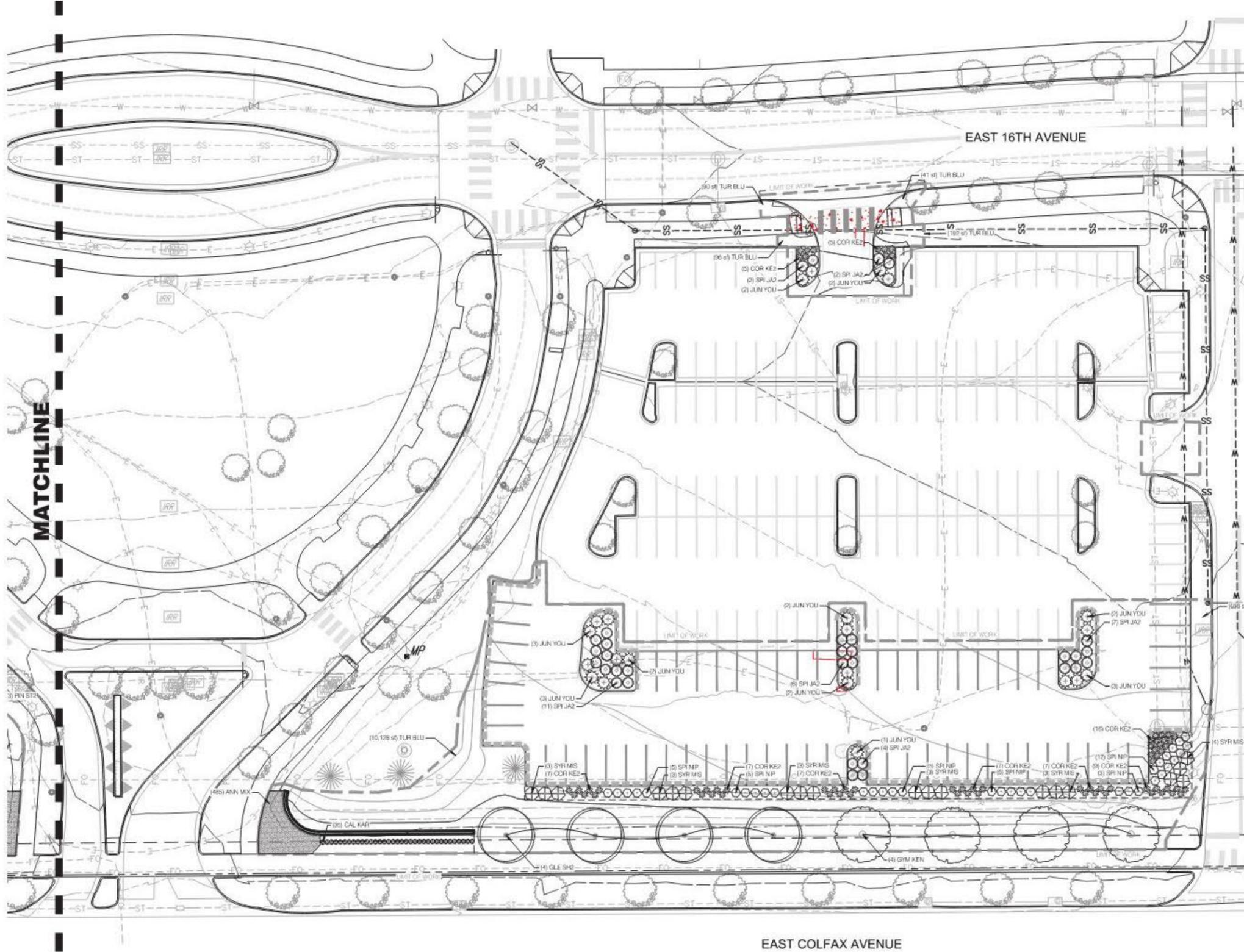


*Calamagrostis x acutiflora* 'Karl Foerster'  
Feather Reed Grass



*Hermerocallis x 'Stella de Oro'*  
Day Lily

# Design Development – Planting Plan: Lot 4



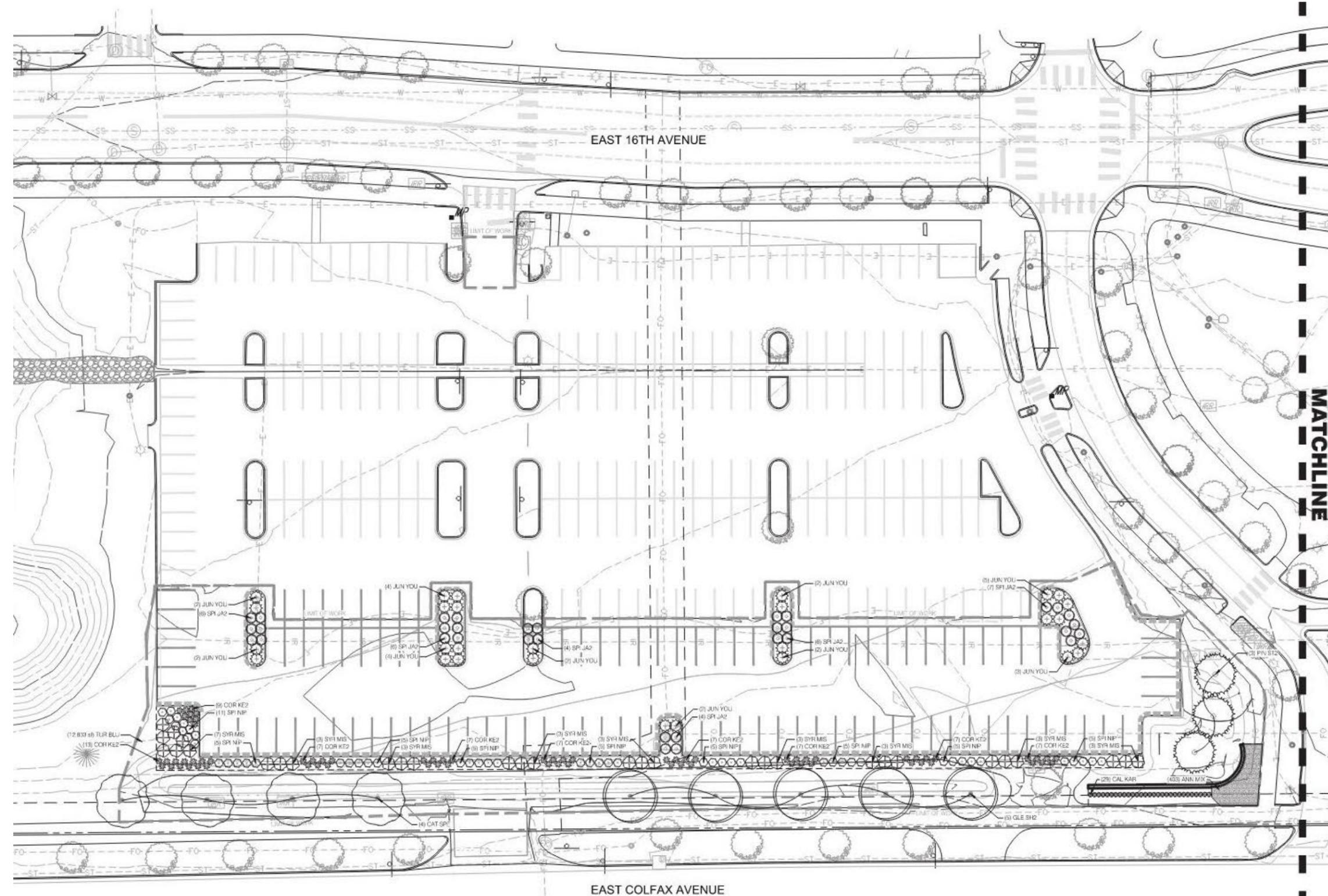
## PLANT SCHEDULE LOT 4

DECIDUOUS TREES			
CODE	QTY	BOTANICAL / COMMON NAME	
GLE SH2	4	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' SHADEMASTER LOCUST	
GYM KEN	4	GYMNOCALADUS DIOICA KENTUCKY COFFEE TREE	
SHRUBS			
CODE	QTY	BOTANICAL / COMMON NAME	
COR KE2	70	CORNUS SERICEA 'KELSEY' KELSEY DOGWOOD	
SPI JA2	32	SPIRAEA JAPONICA JAPANESE SPIREA	
SPI NIP	35	SPIRAEA NIPPONICA 'SNOWMOUND' SNOWMOUND SPIREA	
SYR MIS	19	SYRINGA PATULA 'MISS KIM' MISS KIM LILAC	
EVERGREEN & BROADLEAF EVERGREEN			
CODE	QTY	BOTANICAL / COMMON NAME	
JUN YOU	22	JUNIPERUS HORIZONTALIS 'YOUNGSTOWN' CREEPING JUNIPER	
GRASSES			
CODE	QTY	BOTANICAL / COMMON NAME	
CAL KAR	35	CALAMAGROSIS X ACUTIFLORA 'KARL FOERSTER' FEATHER REED GRASS	
ANNUALS			
CODE	QTY	BOTANICAL / COMMON NAME	
ANN MIX	485	ANNUALS MIX ANNUALS MIX	
GROUND COVERS			
CODE	QTY	BOTANICAL / COMMON NAME	
TUR BLU	11,246 SF	TURF SOD BLUEGRASS KENTUCKY BLUEGRASS	



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# Design Development – Planting Plan: Lot 6

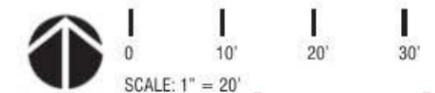
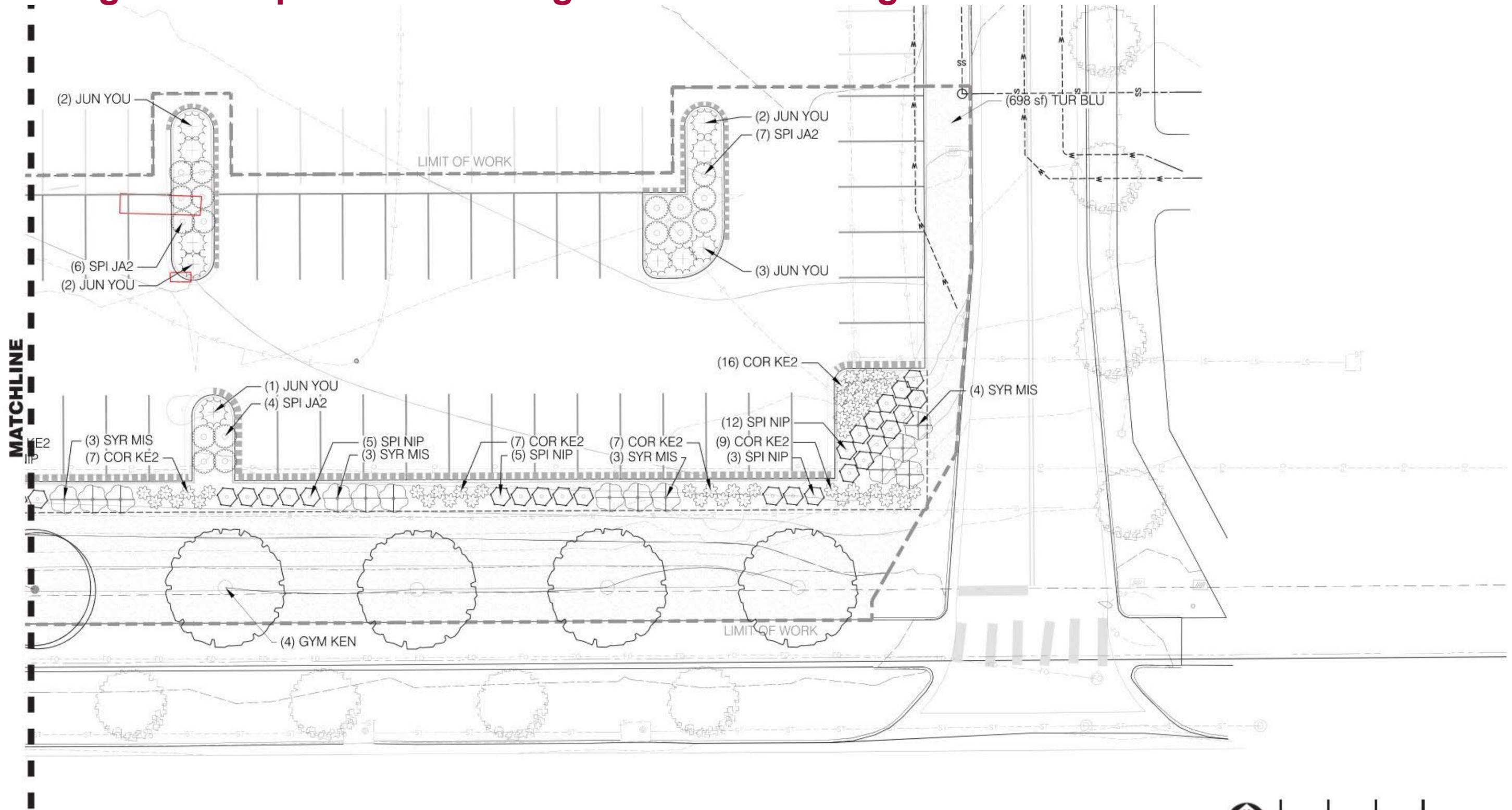


## PLANT SCHEDULE LOT 6

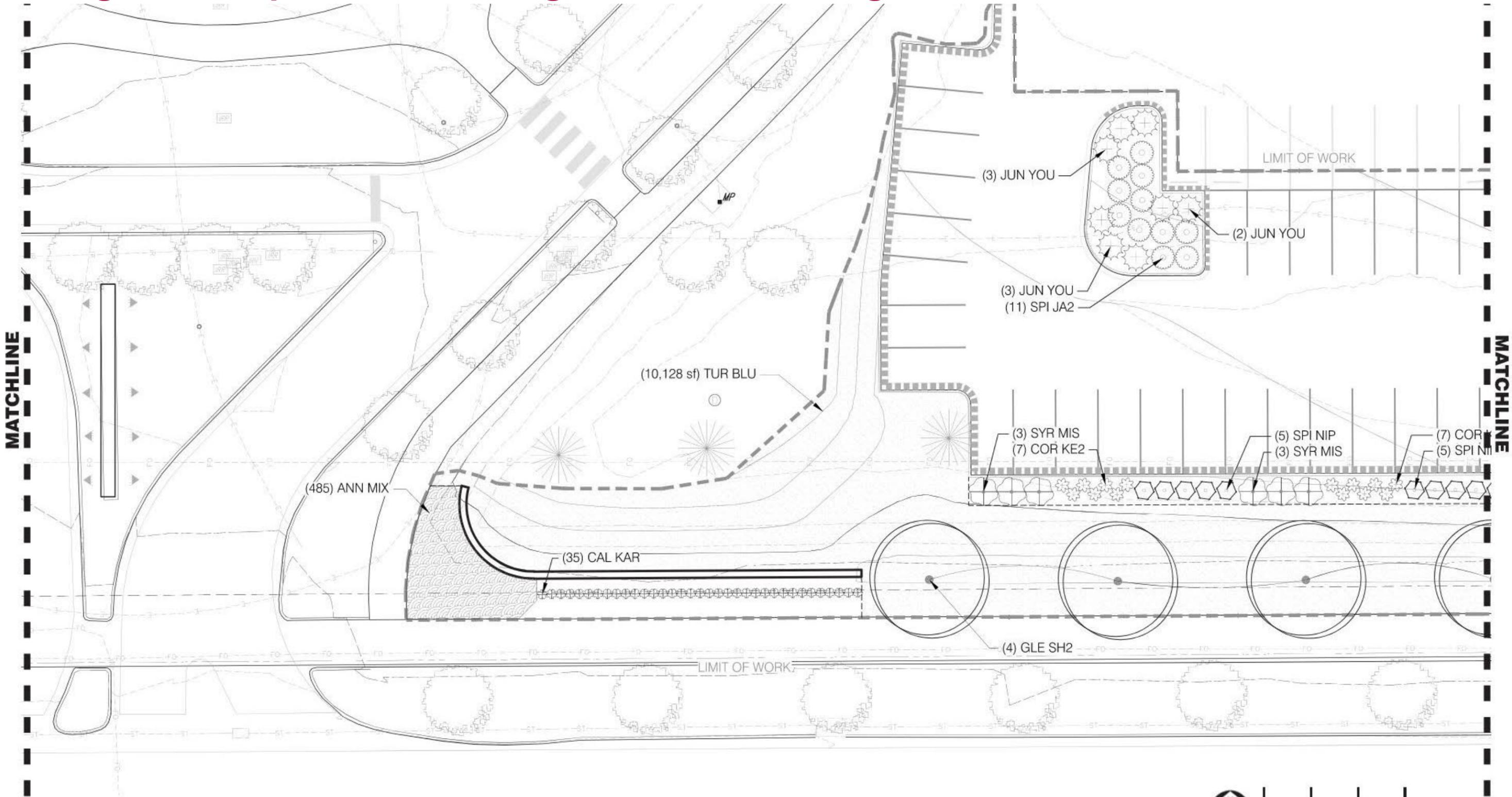
DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME
	CAT SPE	4	CATALPA SPECIOSA NORTHERN CATALPA
	GLE SH2	5	GLEDTISIA TRIACANTHOS INERMIS 'SHADEMASTER'™ SHADEMASTER LOCUST
EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME
	PIN ST2	3	PINUS STROBIFORMIS SOUTHWESTERN WHITE PINE
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME
	COR KE2	71	CORNUS SERICEA 'KELSEY' KELSEY DOGWOOD
	SPI JA2	33	SPIRAEA JAPONICA JAPANESE SPIREA
	SPI NIP	51	SPIRAEA NIPPONICA 'SNOWMOUND' SNOWMOUND SPIREA
	SYR MIS	31	SYRINGA PATULA 'MISS KIM' MISS KIM LILAC
EVERGREEN & BROADLEAF EVERGREEN	CODE	QTY	BOTANICAL / COMMON NAME
	JUN YOU	28	JUNIPERUS HORIZONTALIS 'YOUNGSTOWN' CREEPING JUNIPER
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME
	CAL KAR	29	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' FEATHER REED GRASS
ANNUALS	CODE	QTY	BOTANICAL / COMMON NAME
	ANN MIX	403	ANNUALS MIX ANNUALS MIX
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME
	TUR BLU	12,833 SF	TURF SOD BLUEGRASS KENTUCKY BLUEGRASS



# Design Development – Planting Plan: Lot 4 Enlargement

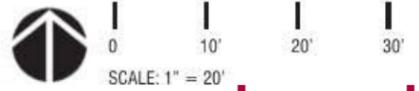
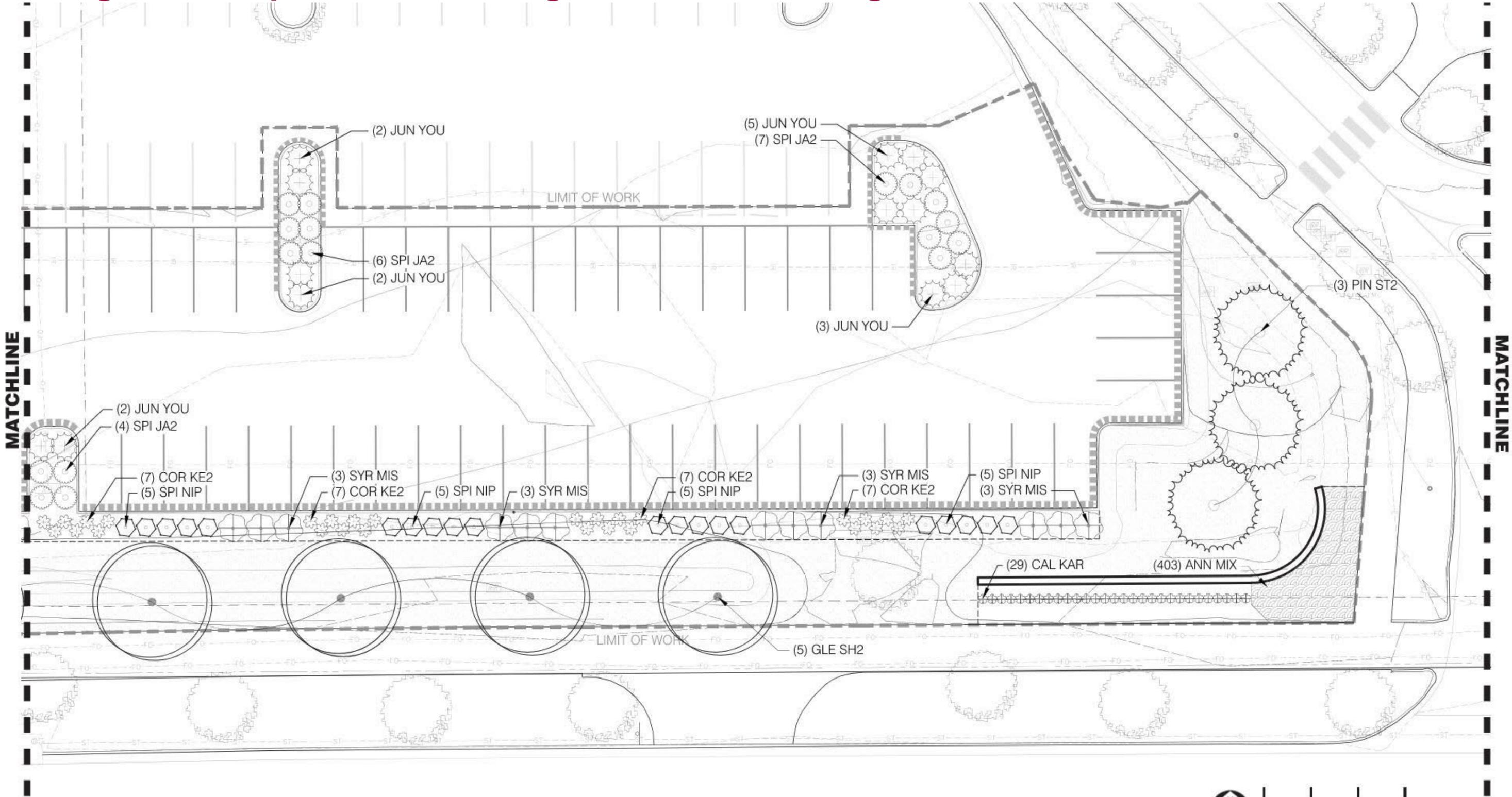


# Design Development – Planting Plan: Lot 4 Enlargement



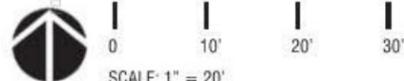
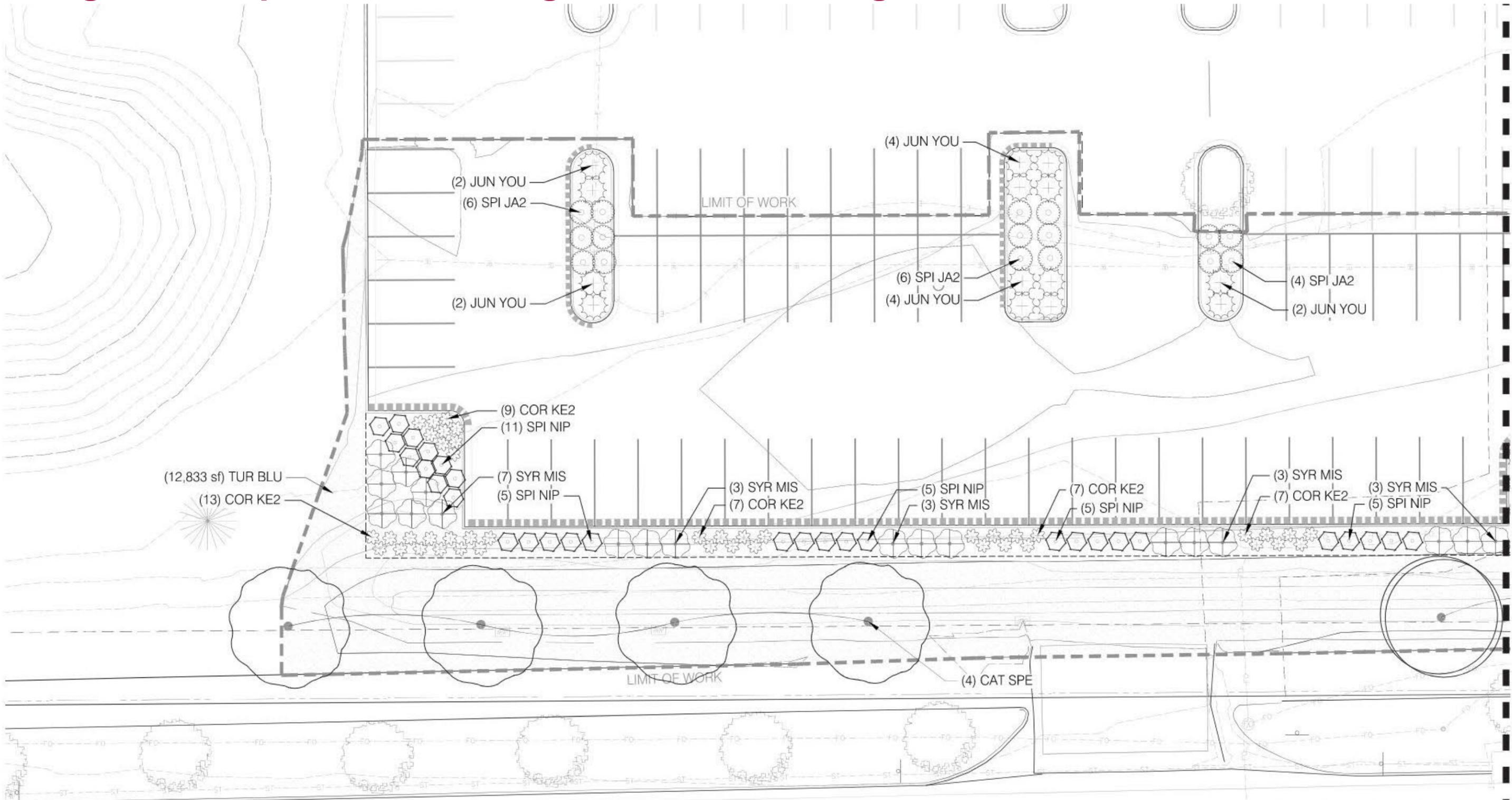

 0 10' 20' 30'  
 SCALE: 1" = 20'  


# Design Development – Planting Plan: Lot 6 Enlargement



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# Design Development – Planting Plan: Lot 4 Enlargement



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# Design Development – Photo Montage



View Looking East, Lot 4 (Before)

# Design Development – Photo Montage



View Looking East, Lot 4 (After, Lawn Berm Option)

# Design Development – Photo Montage



View Looking West, Lot 6 (Before)

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# Design Development – Photo Montage



View Looking West, Lot 6 (After, Lawn Berm Option)

\*UPDATED SINCE CONCEPT SUBMISSION

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## C. Questions & Comments