



# SH 6 Aesthetics

Potential Landscape and Aesthetic Design

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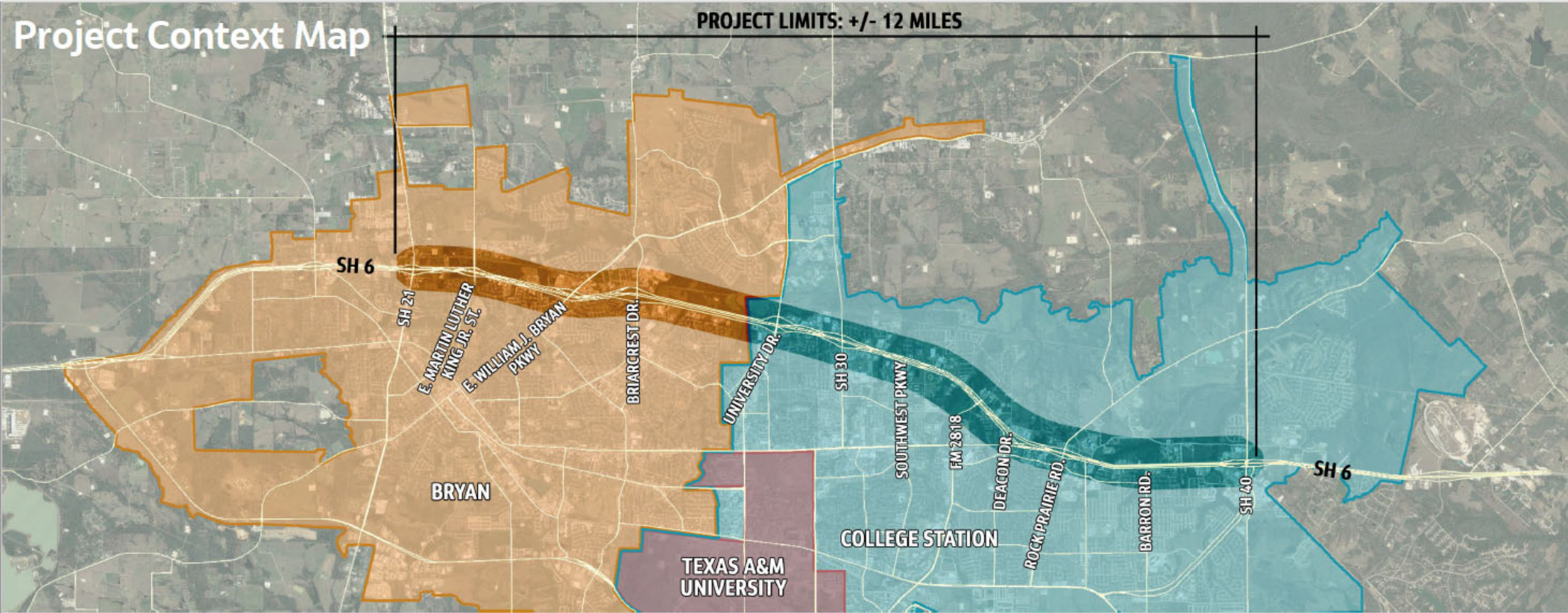
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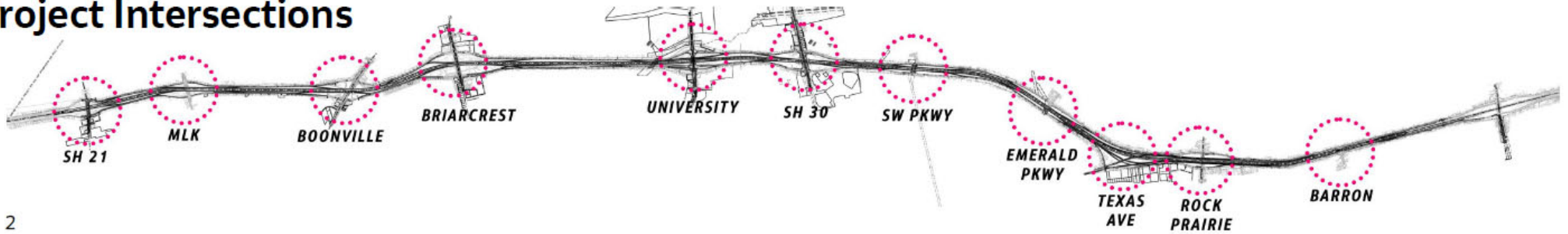


## Project Context Map

PROJECT LIMITS: +/- 12 MILES



## Project Intersections



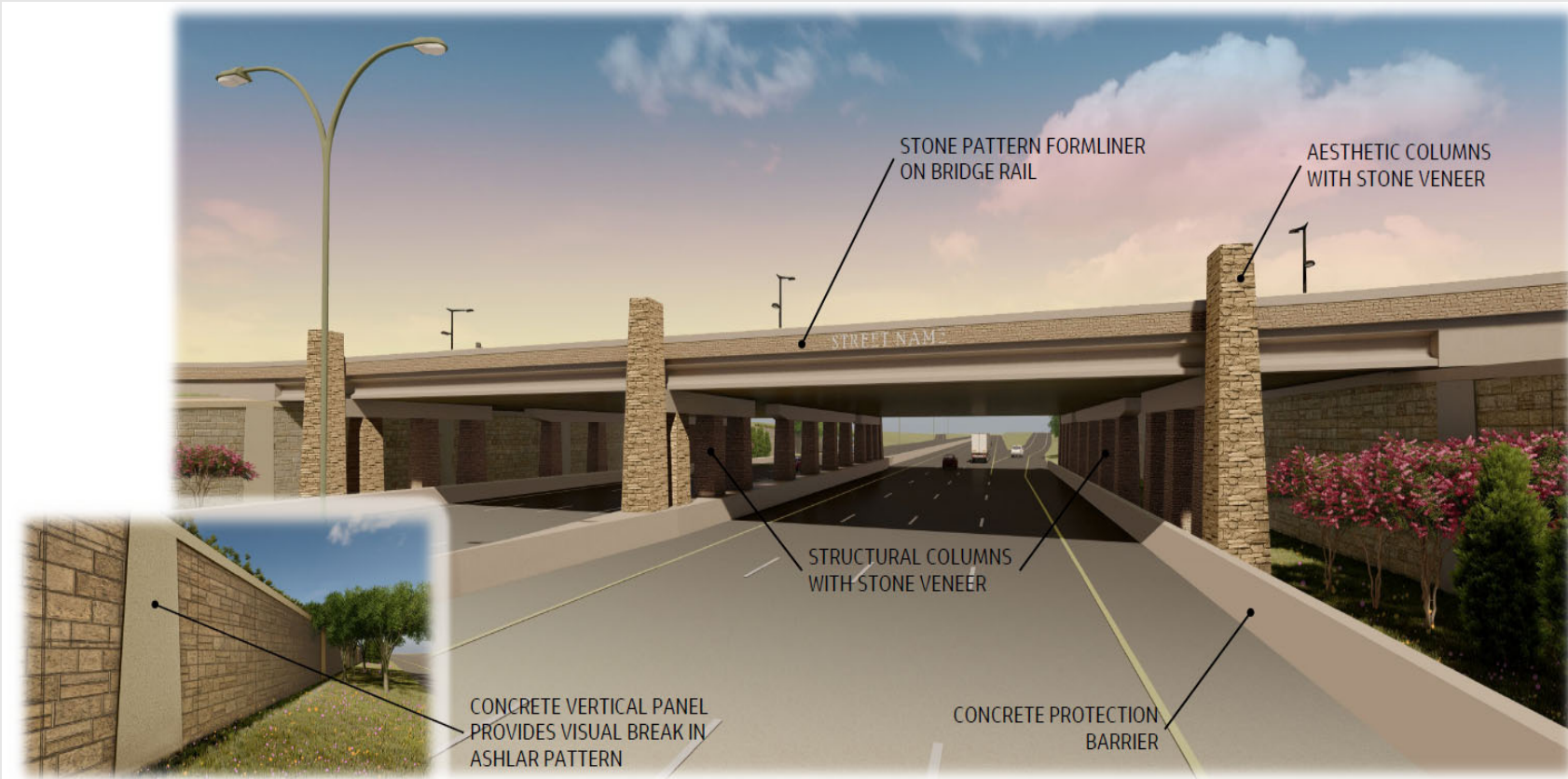
2

\*All graphics shown are conceptual. Proposed conditions of roadway elements are subject to change.

# Proposed Bridge Aesthetic

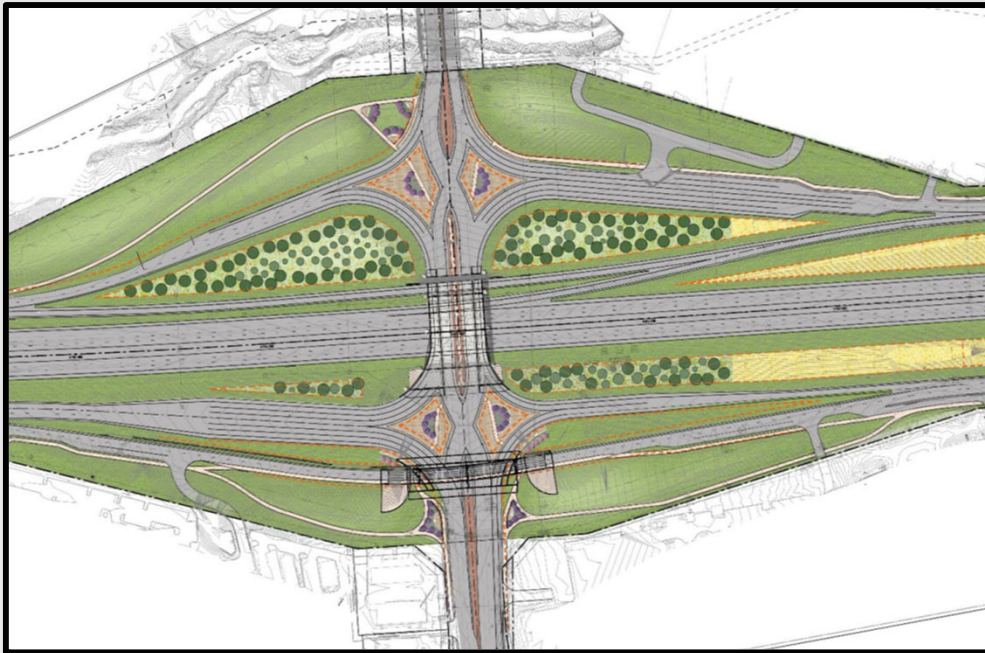


- Bridge columns and MSE Walls inspired by bridge at Rock Prairie Road on SH 6
- Columns protected by CTB or outside of clear zone.
- Texas Ave. intersection incorporates existing columns but matches proposed.



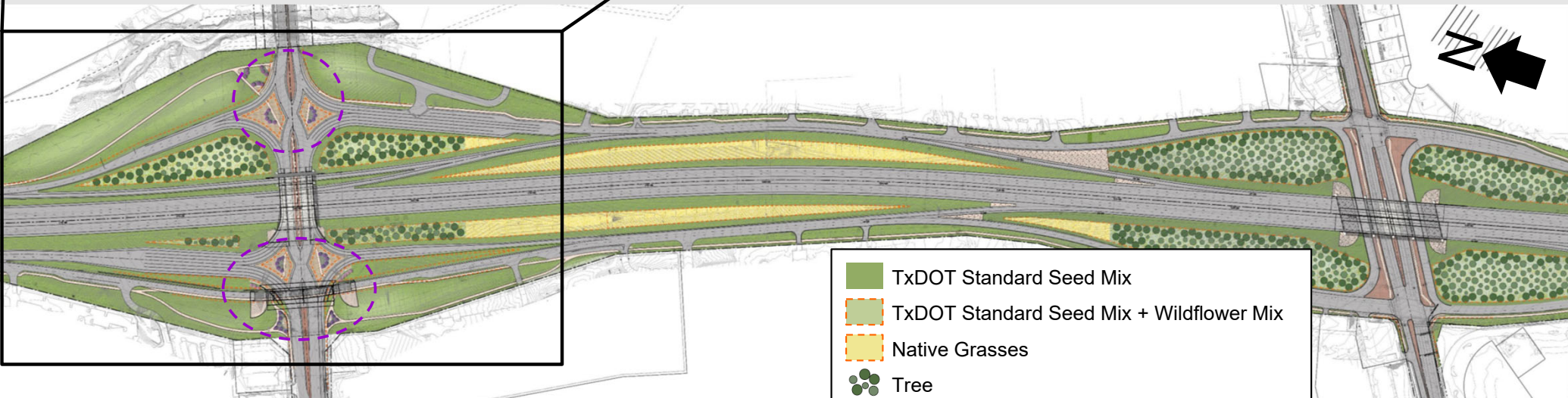
MSE retaining wall with ashlar pattern to match that at Barron Rd.

# Aesthetic Planting Concept



Intersection at University











- There are **4 major types of plantings** proposed for this corridor
  - **Intersection Plantings**
  - **Tree Plantings**
  - **Wildflower Plantings**
  - **Native Grass Plantings**
- Larger aesthetic plantings are proposed for **intersections only** and are outside of clear zones
- Wildflowers are limited to interior ROW and by clear zone. Wildflowers to be placed after standard seed mix is placed.

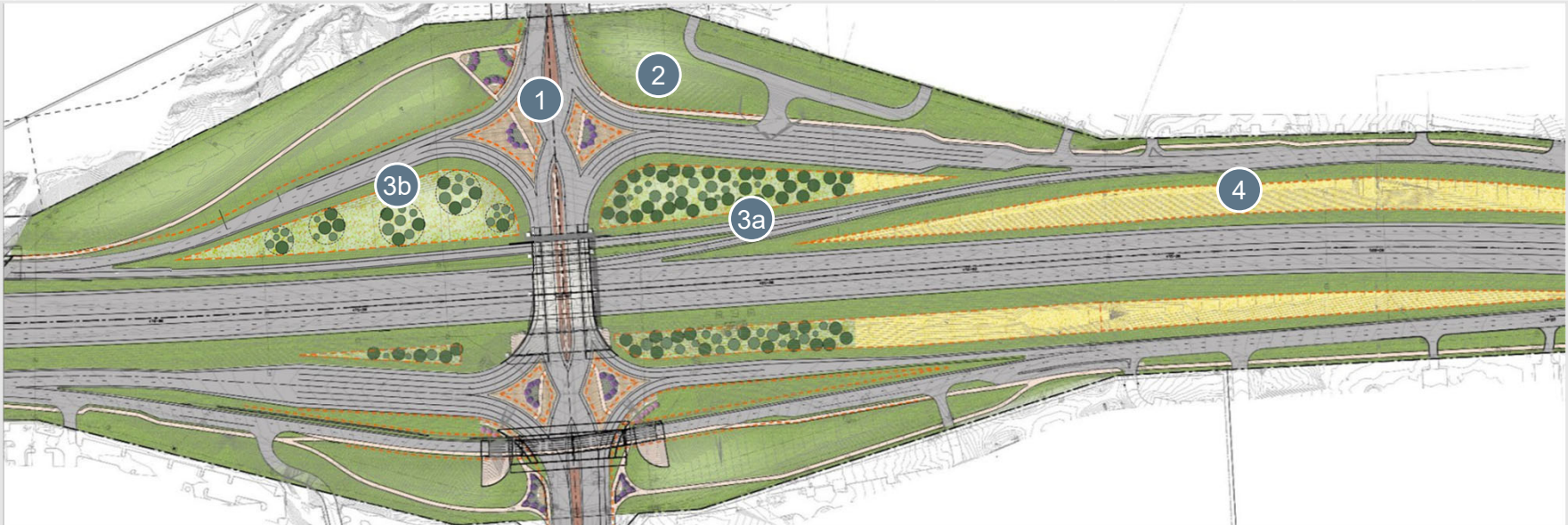


- TxDOT Standard Seed Mix
- TxDOT Standard Seed Mix + Wildflower Mix
- Native Grasses
- Tree
- Intersection Plantings
- Clear Zone

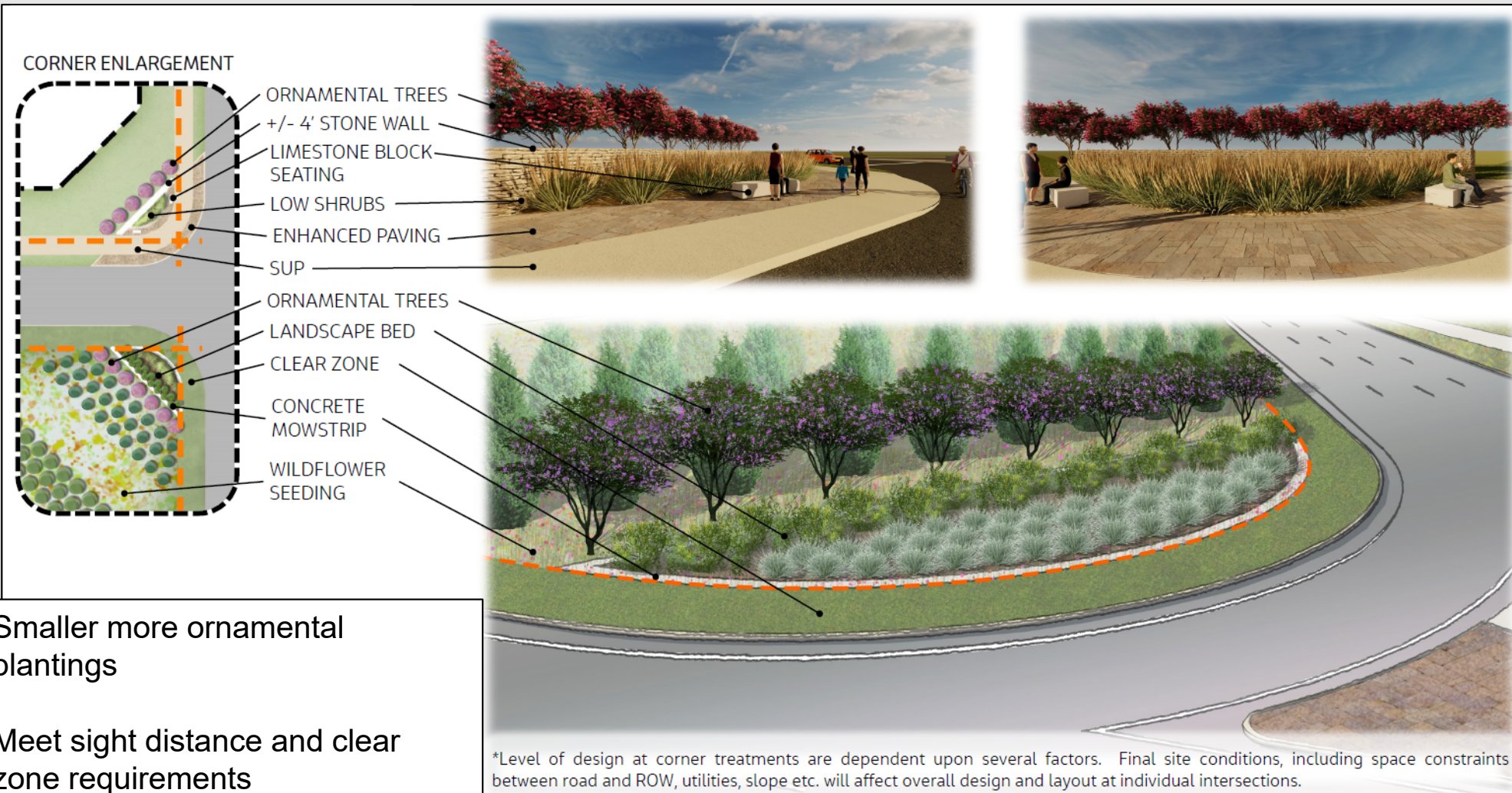
# Proposed Landscape Summary of Work



Area	Aesthetic Treatment	Installation Performed by	Installation Cost paid by	Maintenance Cost paid by	Maintenance Frequency	AFA w/ City Required?	LMA w/ City Required?
1	Intersection Plantings	TxDOT's Contractor			1 effort/quarter	Yes	Yes
2	TxDOT Standard Grass (Edges)	TxDOT's Contractor			3 mow/year	No	No
3a	Trees, TxDOT Standard Grass, & Wildflowers	TxDOT's Contractor			1 mow/year	No	Yes
3b	Trees, TxDOT Standard Grass, & Wildflowers (with Fewer Trees)	TxDOT's Contractor			1 mow/year	No	No
4	Native Grass	TxDOT's Contractor			1 mow/year	No	No



# Proposed Intersection Plantings



- Smaller more ornamental plantings
- Meet sight distance and clear zone requirements
- Contained by buffer mow strip
- Only proposed if Cities plan to maintain (via an executed LMA).

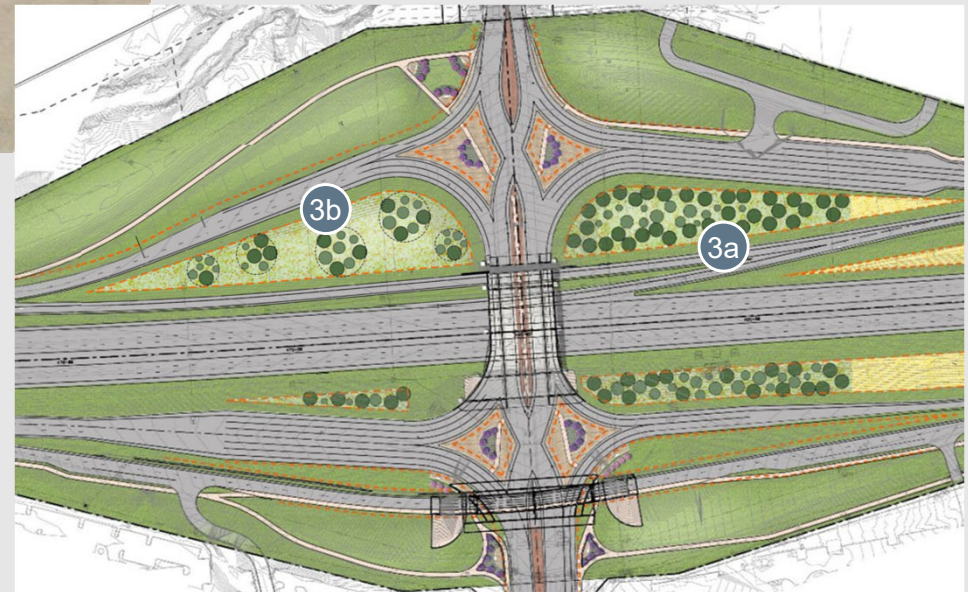
\*Level of design at corner treatments are dependent upon several factors. Final site conditions, including space constraints between road and ROW, utilities, slope etc. will affect overall design and layout at individual intersections.

# Proposed Tree Planting Aesthetics



- The intent of the design is to create a planting that mimics a naturally forested area.
- 3a Design- proposed Design with City participation.
- 3b Design- proposed Design if TxDOT Funded/Maintained alone.

- Tree plantings are proposed at **major intersections** with available space outside of clear zone.
- Trees will be planted in a random placing but will maintain 30' typical center-on-center spacing to easily mow between trees.







- TxDOT Standard erosion control seed mix placed first. wildflowers seed after.
- Wildflowers are to be seeded within the interior R.O.W
- Low disturbance of wildflowers helps encourage plant biodiversity and sustainability.
- Proposed separate mowing schedules.
  - Once a year for wildflower zone (Maintained by City)
  - 3 times a year for the clear zone (Maintained by TxDOT)



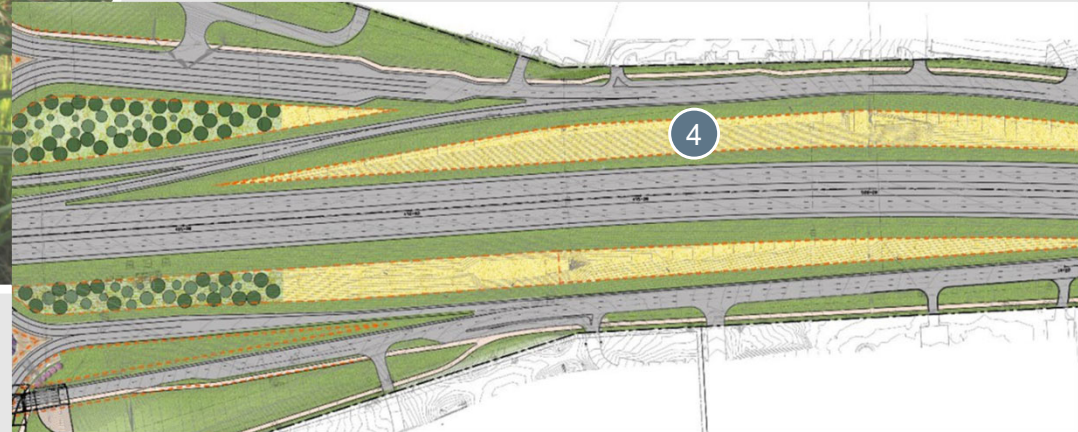
Cross Creek Ranch in Katy, Tx

# Proposed Grass Aesthetic



Native species seeded in test facility in Stevensville, Tx

- Future TxDOT Practice that is in development
- Opportunity to incorporate native species
- Low growing native species that need minimal mowing



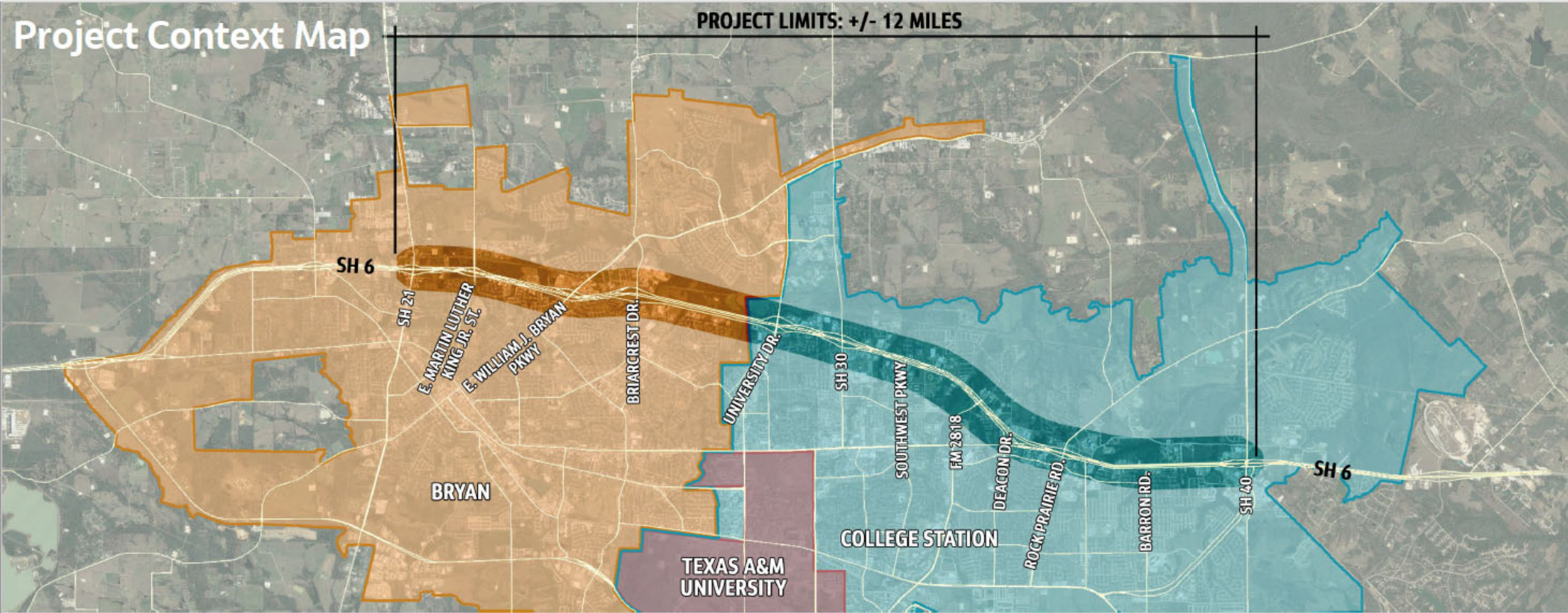
## Potential Native Species for Bryan District Grass Seeding

Clay Soil Species	% Mix	Lb. PLS/acre	Sandy Soil Species	% Mix	Lb. PLS/acre
White tridens (Guadalupe)	15%	0.3	Sand dropseed (Taylor)	10%	0.2
Hooded windmillgrass (Burnet)	15%	0.3	Shortspike windmillgrass (Welder)	10%	0.2
Little bluestem (Coastal Plains)	15%	1.5	Little bluestem (Coastal Plains)	15%	1.5
Flordia paspalum (Harrison)	15%	2.25	Green sprangletop (Van Horn)	5%	0.2
Shortspike windmillgrass (Welder)	10%	0.2	Flordia paspalum (Harrison)	15%	2.25
Splitbeard bluestem (Neches)	5%	0.5	Splitbeard bluestem (Neches)	10%	1
Green sprangletop (Van Horn)	5%	0.2	Hooded windmillgrass (Burnet)	15%	0.3
Halls panicum (Oso)	5%	0.1	Red lovegrass (Duval)	10%	0.2
Sand dropseed (Taylor)	5%	0.1	Hairy grama (Chaparral)	10%	0.4
Canada wildrye (Lavaca)	10%	2			

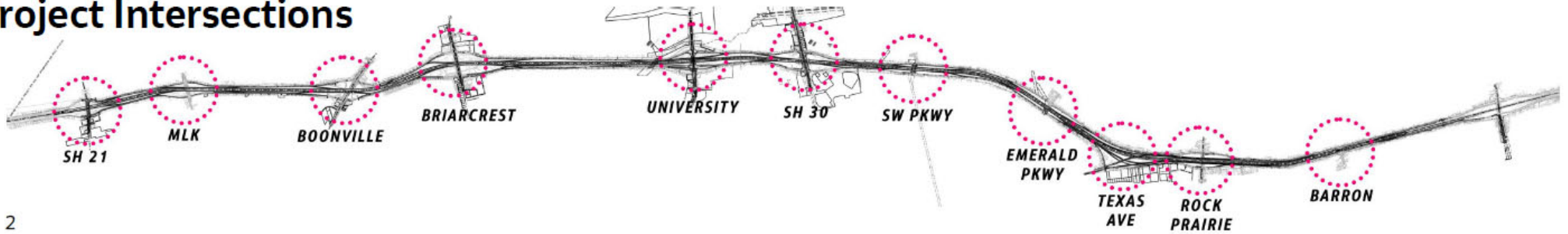


## Project Context Map

PROJECT LIMITS: +/- 12 MILES



## Project Intersections



2

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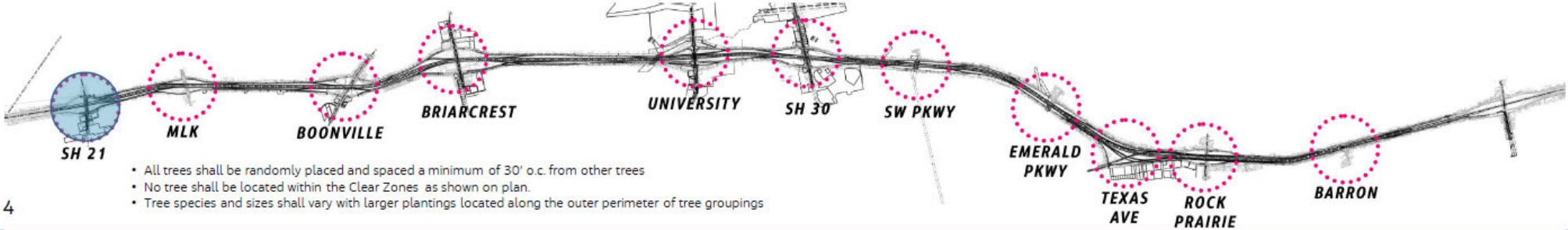
# Bryan SH 6 Interchanges



# Proposed Location: SH 21 Interchange



## SH 21 Large Mass Planting



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
- No tree shall be located within the Clear Zones as shown on plan.
- Tree species and sizes shall vary with larger plantings located along the outer perimeter of tree groupings

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# Proposed Location: MLK Interchange



## Martin Luther King Jr. Street Large Mass Planting

Clear Zones and ROW;  
TxDOT Standard Seed  
Mix (Typ.)

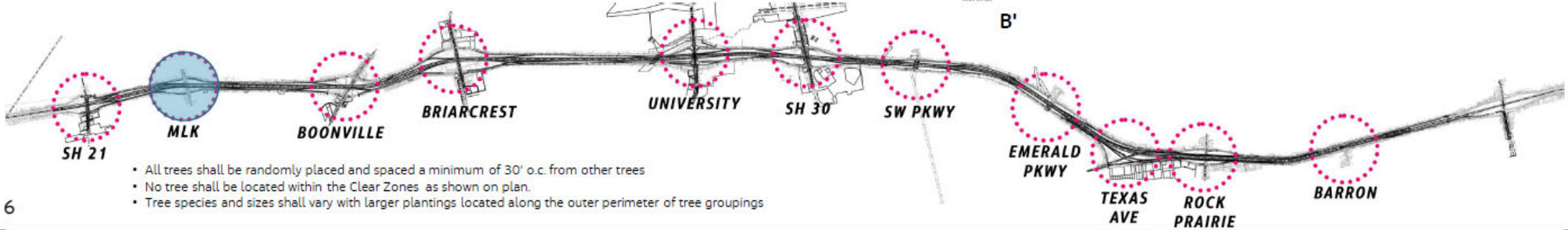
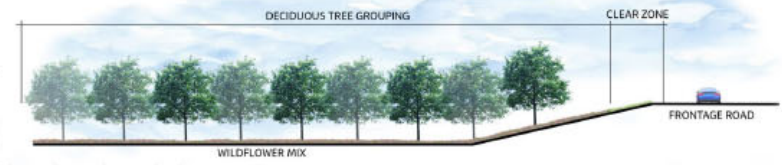
TxDOT Standard Seed  
Mix + Wildflower Mix

Mass Tree Plantings at  
Minimum 30' o.c.  
(Typ.)

Aesthetic Column (Typ.)

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

TxDOT Standard Seed  
Mix + Wildflower Mix



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
- No tree shall be located within the Clear Zones as shown on plan.
- Tree species and sizes shall vary with larger plantings located along the outer perimeter of tree groupings

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# Proposed Location: Boonville Interchange



## Boonville Road Large Mass Planting

Clear Zones and ROW;  
TxDOT Standard Seed  
Mix (Typ.)

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

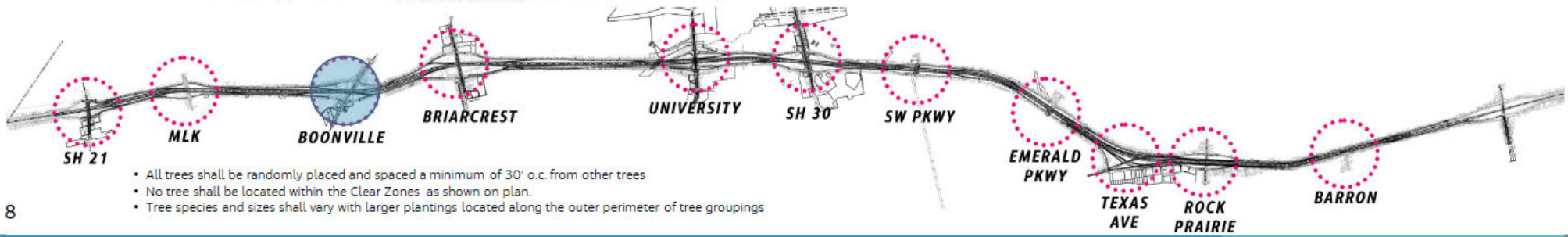
TxDOT Standard Seed  
Mix + Wildflower Mix

Retaining Wall

Aesthetic Column (Typ.)

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

TxDOT Standard Seed  
Mix + Wildflower Mix



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
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8

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# Proposed Location: Briarcrest Interchange



## Briarcrest Drive Large Mass Planting

Clear Zones and ROW;  
TxDOT Standard Seed  
Mix (Typ.)

TxDOT Standard Seed  
Mix + Wildflower Mix

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

Enhanced Paving, Low Shrubs,  
Seating, and Ornamental Trees

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

TxDOT Standard Seed  
Mix + Wildflower Mix

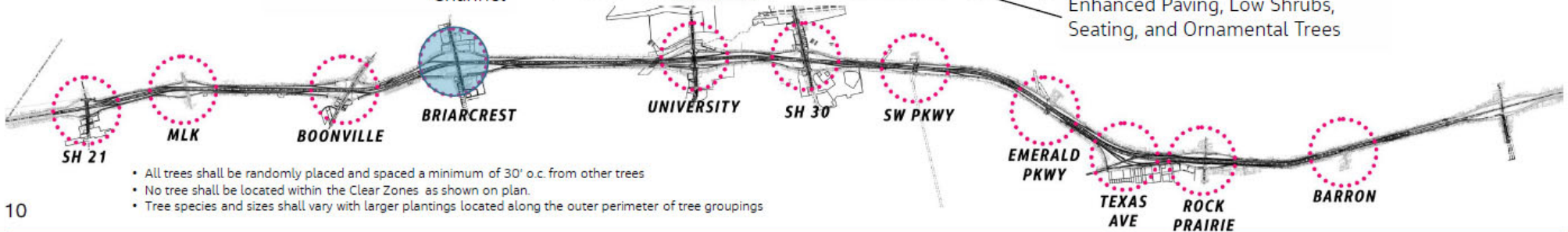
Retaining Wall

Aesthetic Column (Typ.)

Retaining Wall

Grass-Lined Drainage  
Channel

Enhanced Paving, Low Shrubs,  
Seating, and Ornamental Trees



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
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10

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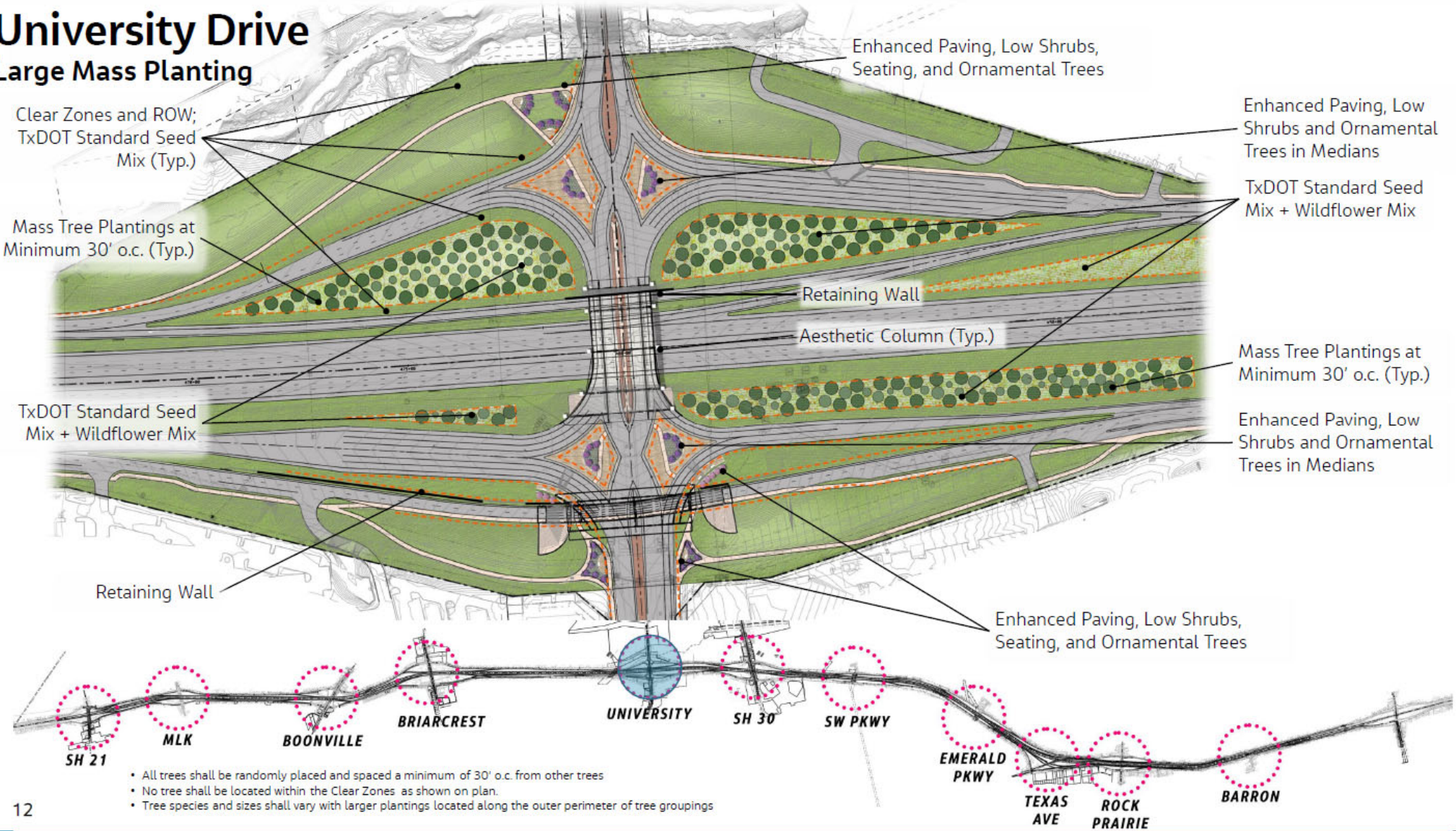
# College Station SH 6 Interchanges



# Proposed Location: University Interchange



## University Drive Large Mass Planting



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
- No tree shall be located within the Clear Zones as shown on plan.
- Tree species and sizes shall vary with larger plantings located along the outer perimeter of tree groupings

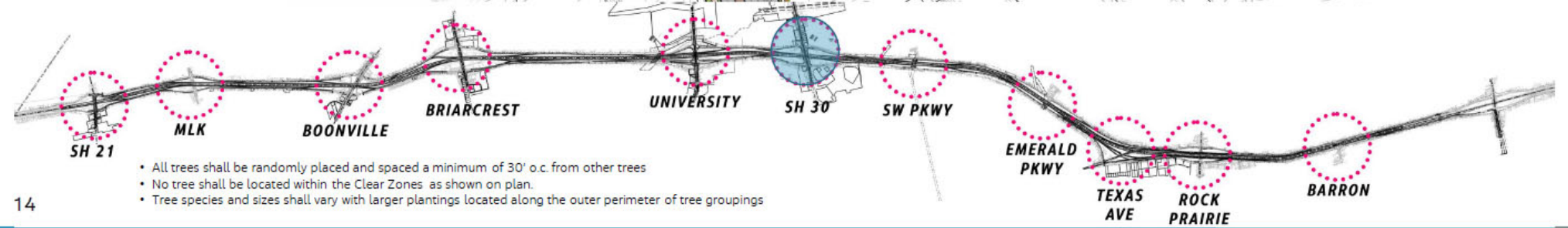
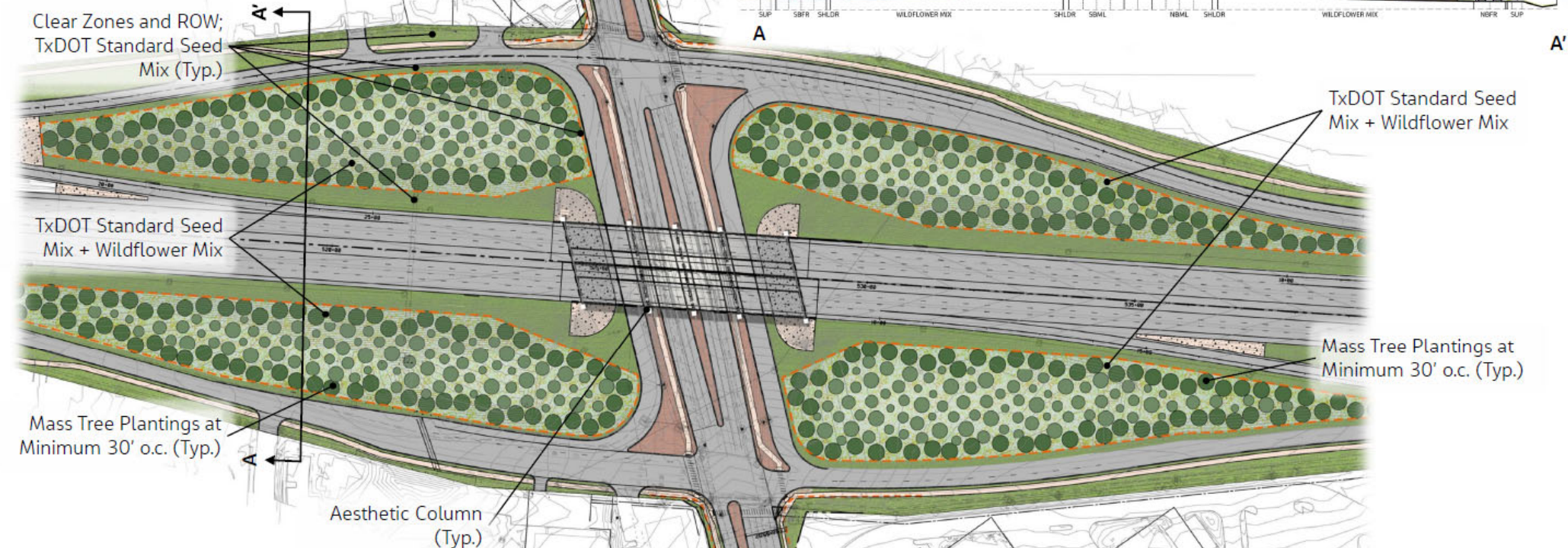
12

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# Proposed Location: SH 30 Interchange



## SH 30 Large Mass Planting



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
- No tree shall be located within the Clear Zones as shown on plan.
- Tree species and sizes shall vary with larger plantings located along the outer perimeter of tree groupings

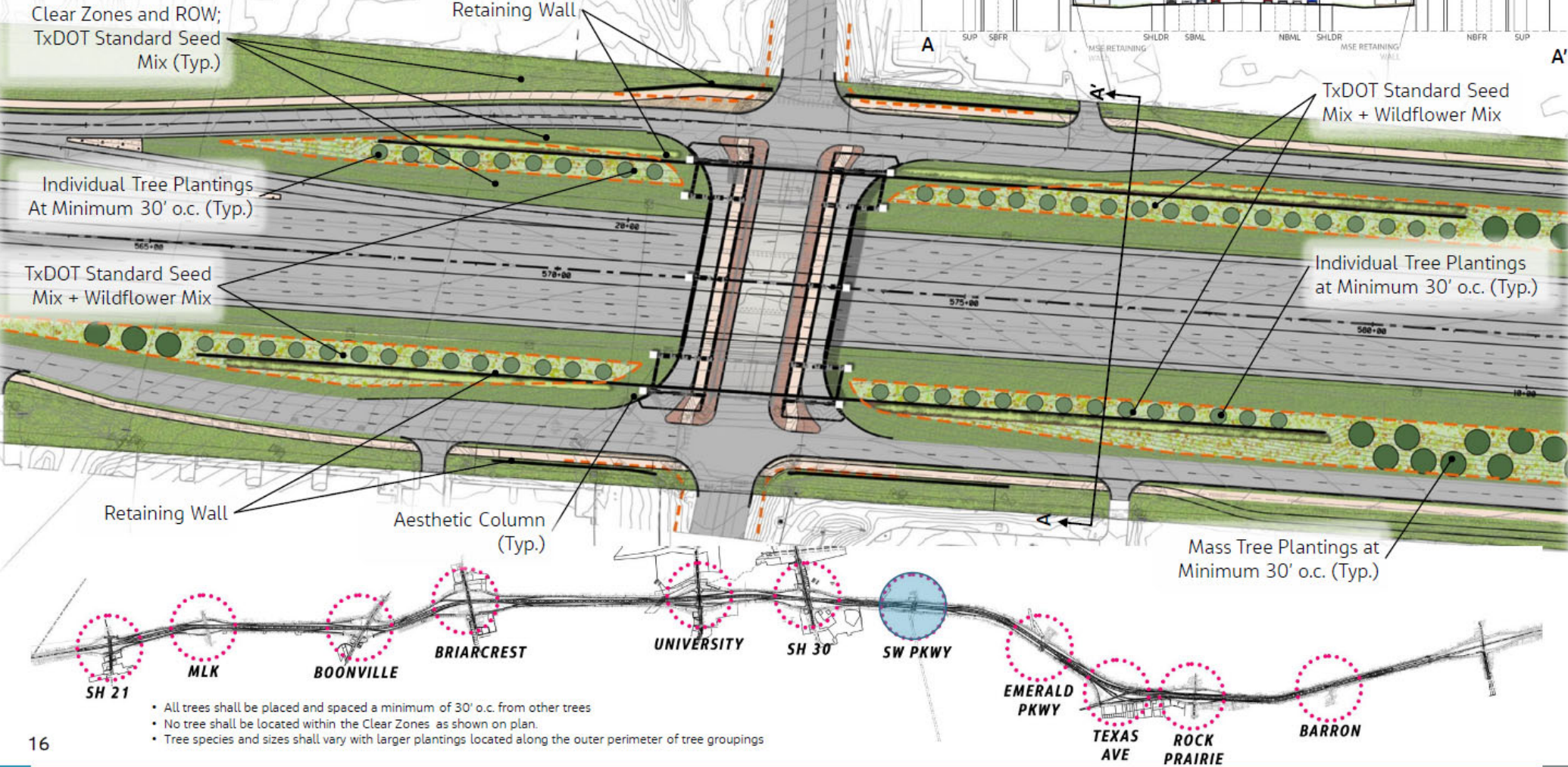
14

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# Proposed Location: Southwest Parkway Interchange



## Southwest Parkway Large Mass Planting



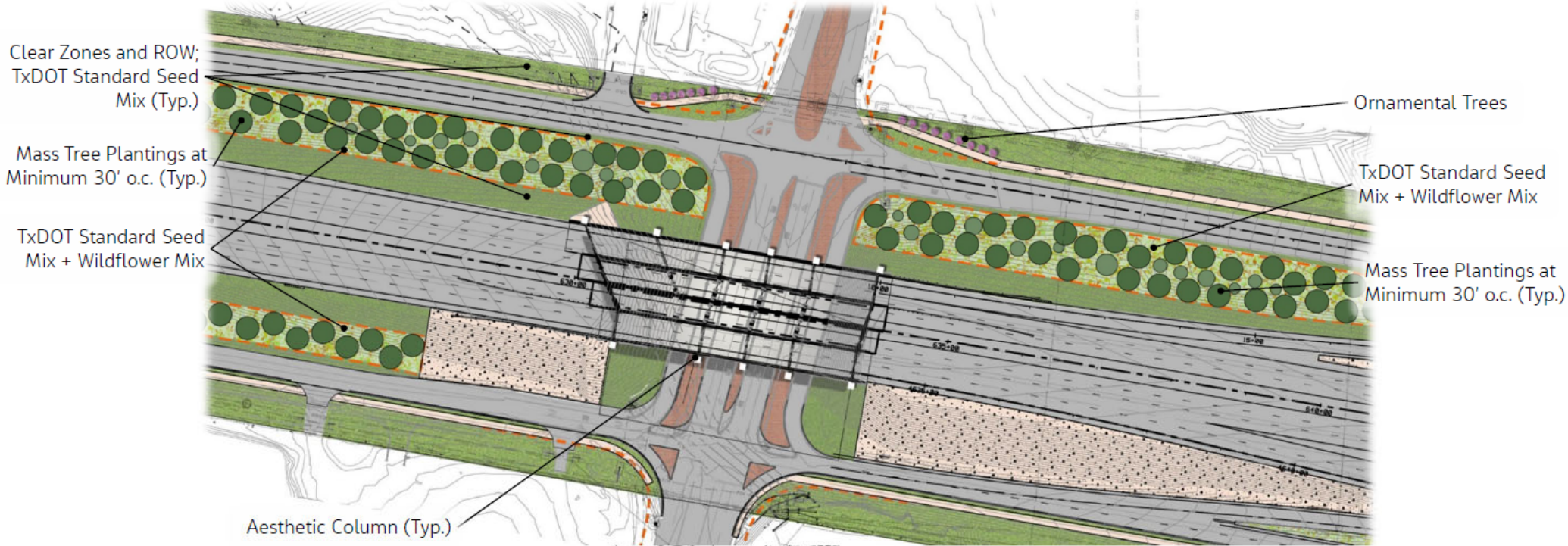
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16

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## Emerald Parkway Large Mass Planting



- All trees shall be randomly placed and spaced a minimum of 30' o.c. from other trees
- No tree shall be located within the Clear Zones as shown on plan.
- Tree species and sizes shall vary with larger plantings located along the outer perimeter of tree groupings

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# Proposed Location: Texas Avenue Interchange



## Texas Avenue Large Mass Planting

Clear Zones and ROW;  
TxDOT Standard Seed  
Mix (Typ.)

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

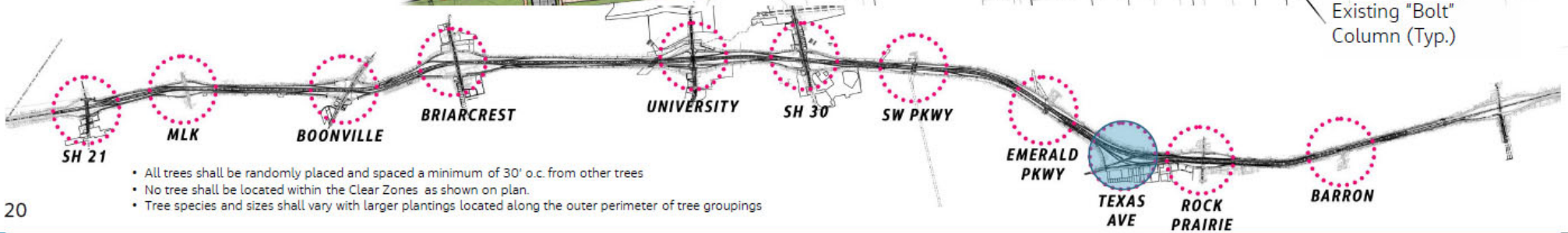
TxDOT Standard Seed  
Mix + Wildflower Mix

Retaining Walls

TxDOT Standard Seed  
Mix + Wildflower Mix

Mass Tree Plantings at  
Minimum 30' o.c. (Typ.)

Existing "Bolt"  
Column (Typ.)



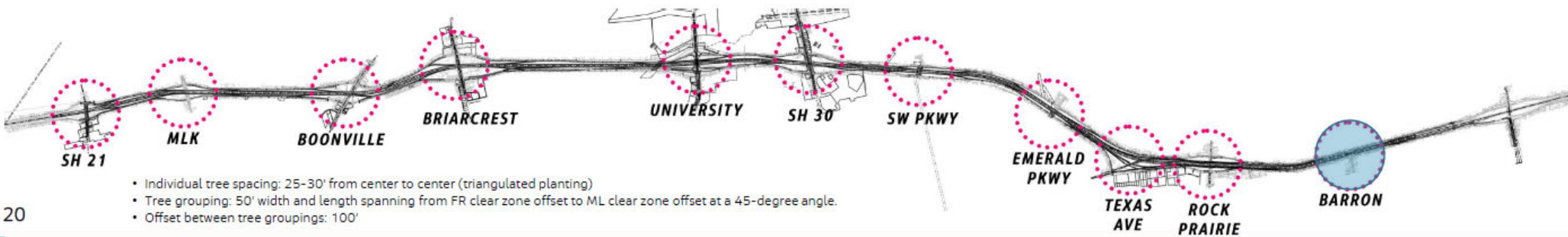
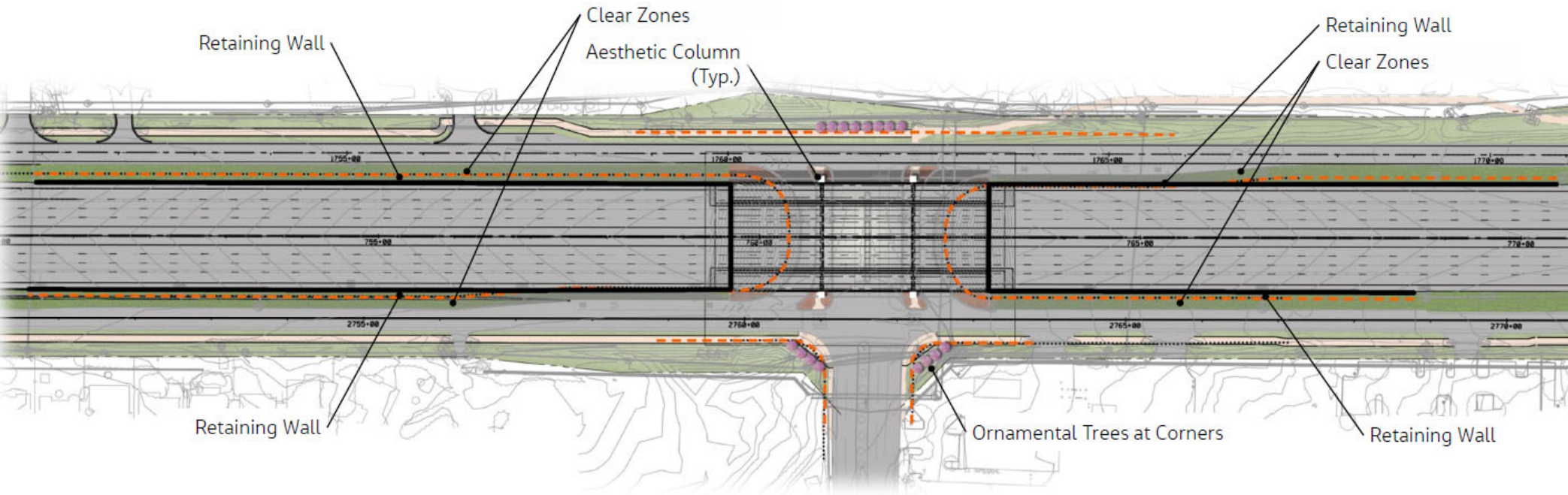
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20

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## Barron Road



- Individual tree spacing: 25-30' from center to center (triangulated planting)
- Tree grouping: 50' width and length spanning from FR clear zone offset to ML clear zone offset at a 45-degree angle.
- Offset between tree groupings: 100'

20

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# HELP #EndTheStreakTX

End the streak of daily deaths on Texas roadways.

[TxDOT.gov](https://www.txdot.gov) (Keyword: #EndTheStreakTX)















#EndTheStreakTX Toolkit

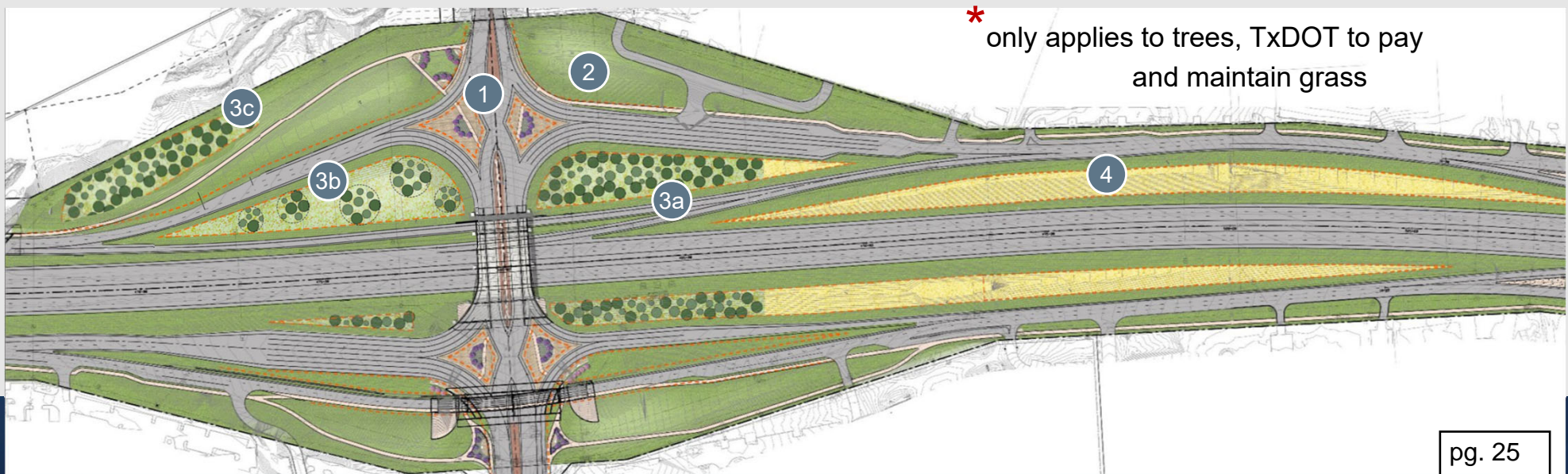


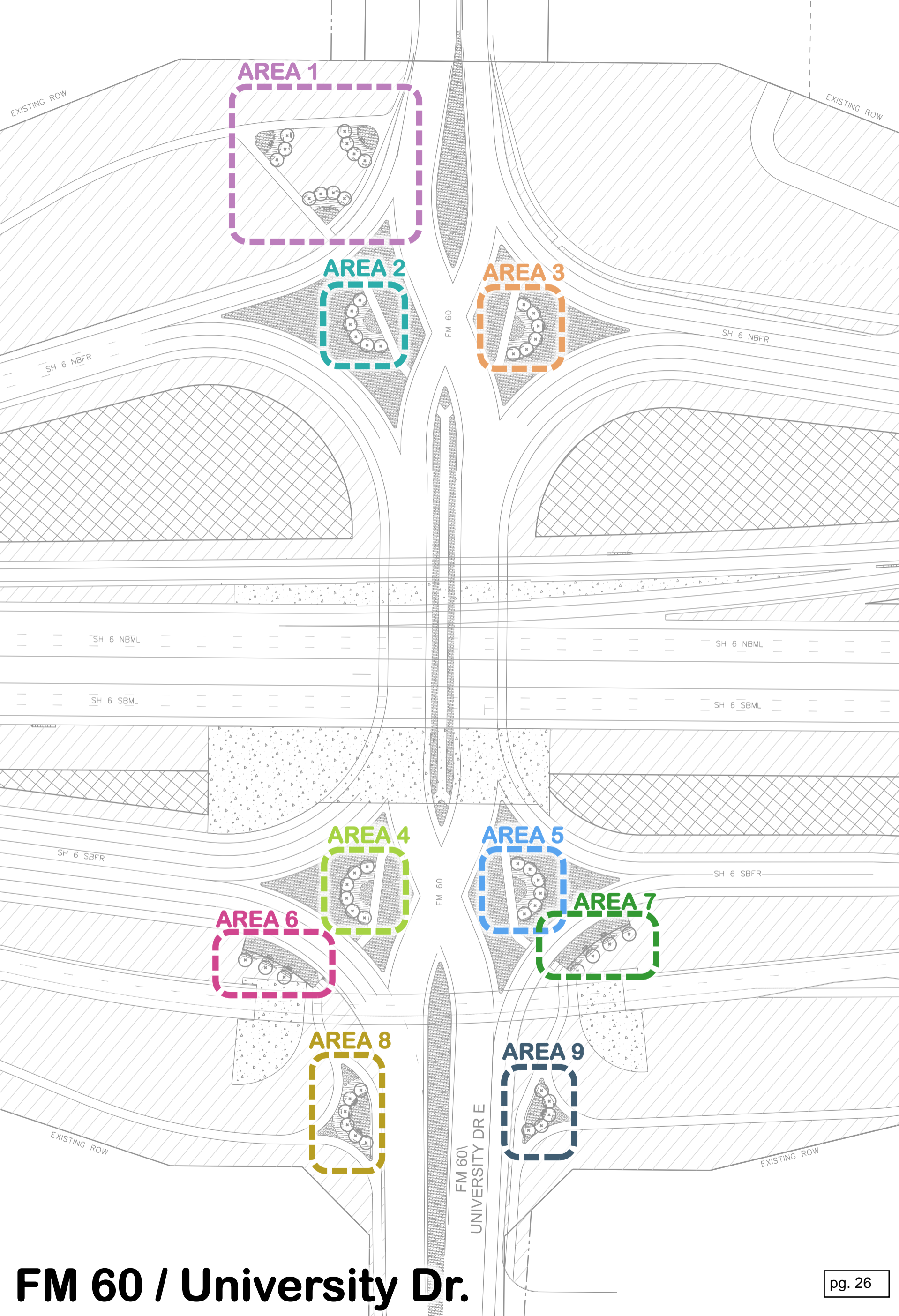


# Proposed Landscape Summary of Work

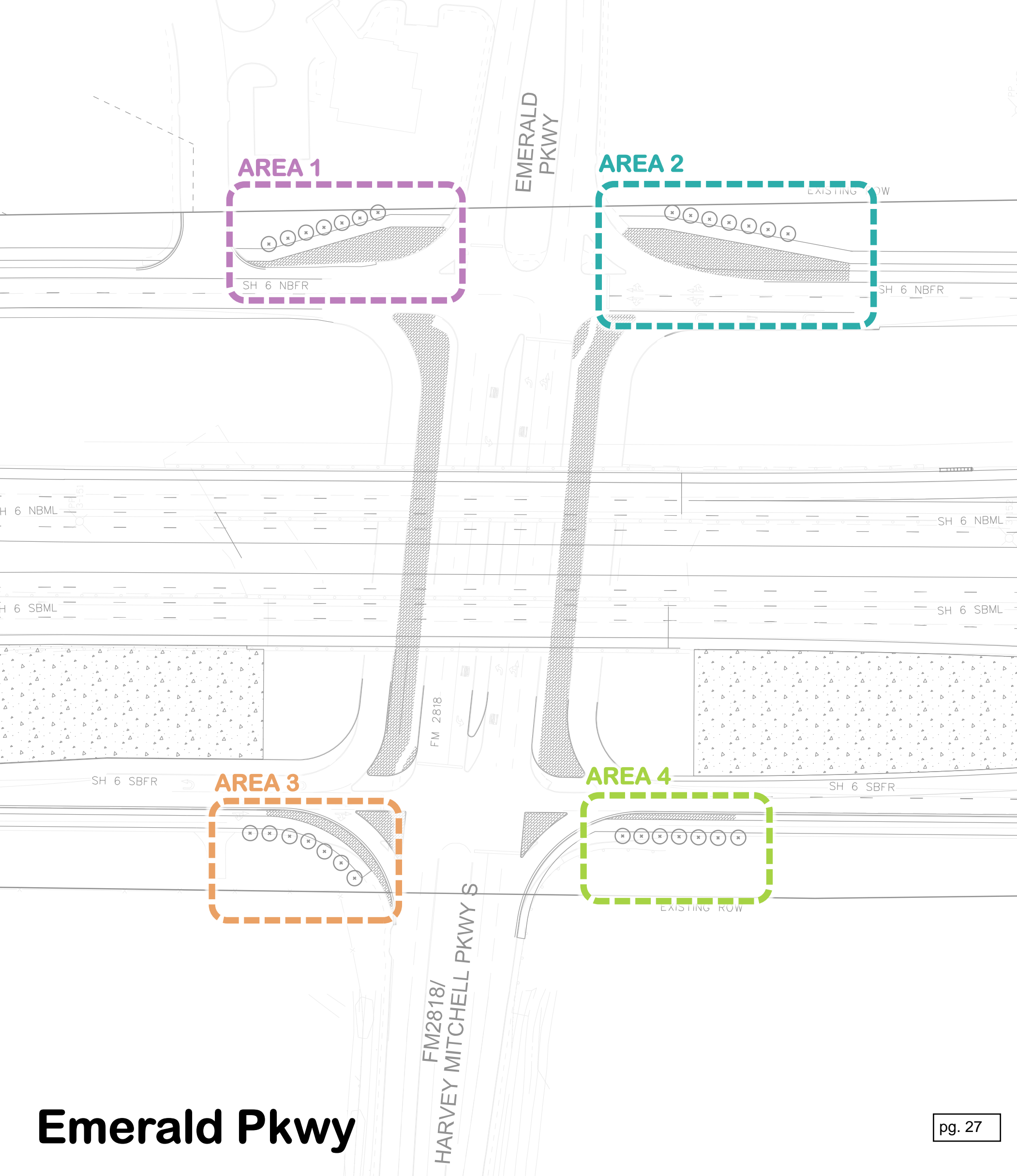


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3a	Trees, TxDOT Standard Grass, & Wildflowers	TxDOT's Contractor			1 mow/year	No	Yes
3b	Trees, TxDOT Standard Grass, & Wildflowers (with Fewer Trees)	TxDOT's Contractor			1 mow/year	No	No
3c	Trees & TxDOT Standard Grass	Installed by City *	 *	 *	3 mow/year	Yes	Yes
4	Native Grass	TxDOT's Contractor			1 mow/year	No	No

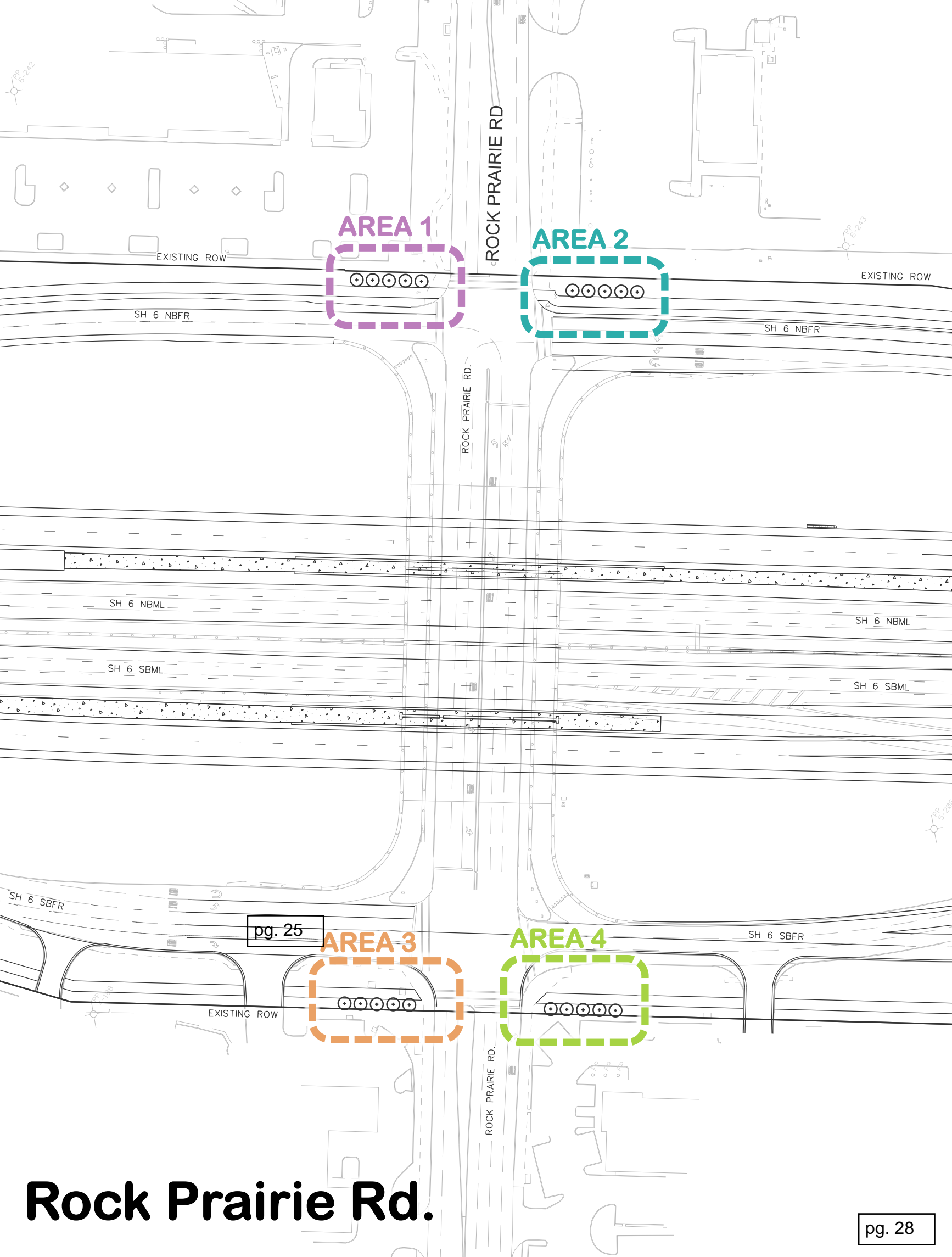




# FM 60 / University Dr.



# Emerald Pkwy



AREA 1

AREA 2

AREA 3

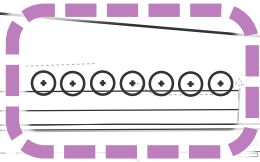
AREA 4

pg. 25

# Rock Prairie Rd.

PP  
15-213

AREA 1



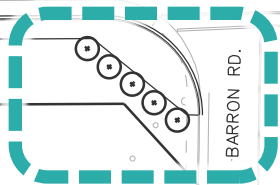
SH 6 NBFR

SH 6 NBML

SH 6 SBML

SH 6 SBFR

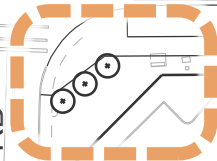
AREA 2



EXISTING ROW

BARRON RD.

AREA 3



BARRON RD

**Barron Rd.**