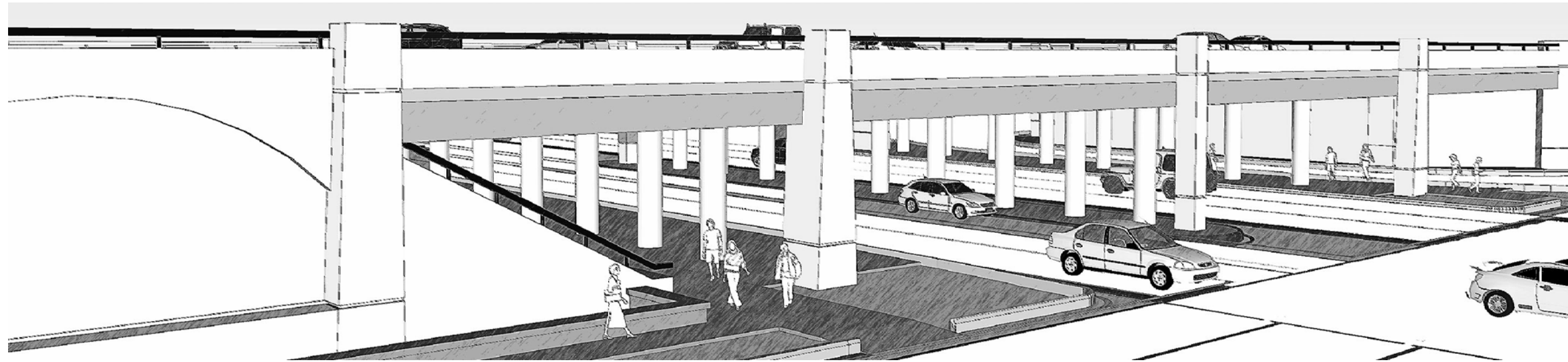


**Texas Department of Transportation**  
**TECHNICAL PROVISIONS**

**STATE HIGHWAY 71 TOLL LANES**

**Attachment 15-1**  
**Aesthetic Guidelines**

**Addendum 2**



## SH 71 AESTHETIC GUIDELINES

AESTHETIC COMPONENTS

<b>Project Overview</b>	<b>Sheet 1</b>
Presidential Boulevard	Sheet 2
Spirit of Texas Drive	Sheet 3
FM 973	Sheet 4
SH 130 Aesthetic Coordination	Sheet 5
 <b>1.0 Retaining Walls</b>	 <b>Sheet 6</b>
Presidential Boulevard	Sheets 7-9
Spirit of Texas Drive	Sheet 10
FM 973	Sheet 11
 <b>2.0 Bridge Abutment Walls &amp; Rip Rap</b>	 <b>Sheet 12</b>
Presidential Boulevard	Sheets 13-17
Spirit of Texas Drive	Sheet 18-21
FM 973	Sheet 22-24
 <b>3.0 Pylons</b>	 <b>Sheet 25</b>
Presidential Boulevard	Sheets 26-28
Spirit of Texas Drive	Sheet 26, 29
FM 973	Sheet 26, 30
 <b>4.0 Sign Structures</b>	 <b>Sheet 31-32</b>
 <b>5.0 Lighting Standards</b>	 <b>Sheet 33</b>
Light Pole	Sheet 34
Bollard & Sconce	Sheet 35
Icon Element	Sheet 36
 <b>6.0 Paving, Hardscape &amp; Shared Use Path</b>	 <b>Sheet 37</b>
Presidential Boulevard	Sheets 38-42
Spirit of Texas Drive	Sheets 43-44
FM 973	Sheets 45-46
 <b>7.0 Landscape</b>	 <b>Sheet 47</b>
Presidential Boulevard	Sheets 48-50
Spirit of Texas Drive	Sheets 51-53
FM 973	Sheets 54-58
Shared Use Path	Sheet 59
Tree Protection	Sheet 60
Plant List and Details	Sheet 61-62
Irrigation	Sheet 63
 <b>8.0 Finish Schedule</b>	 <b>Sheet 64-65</b>

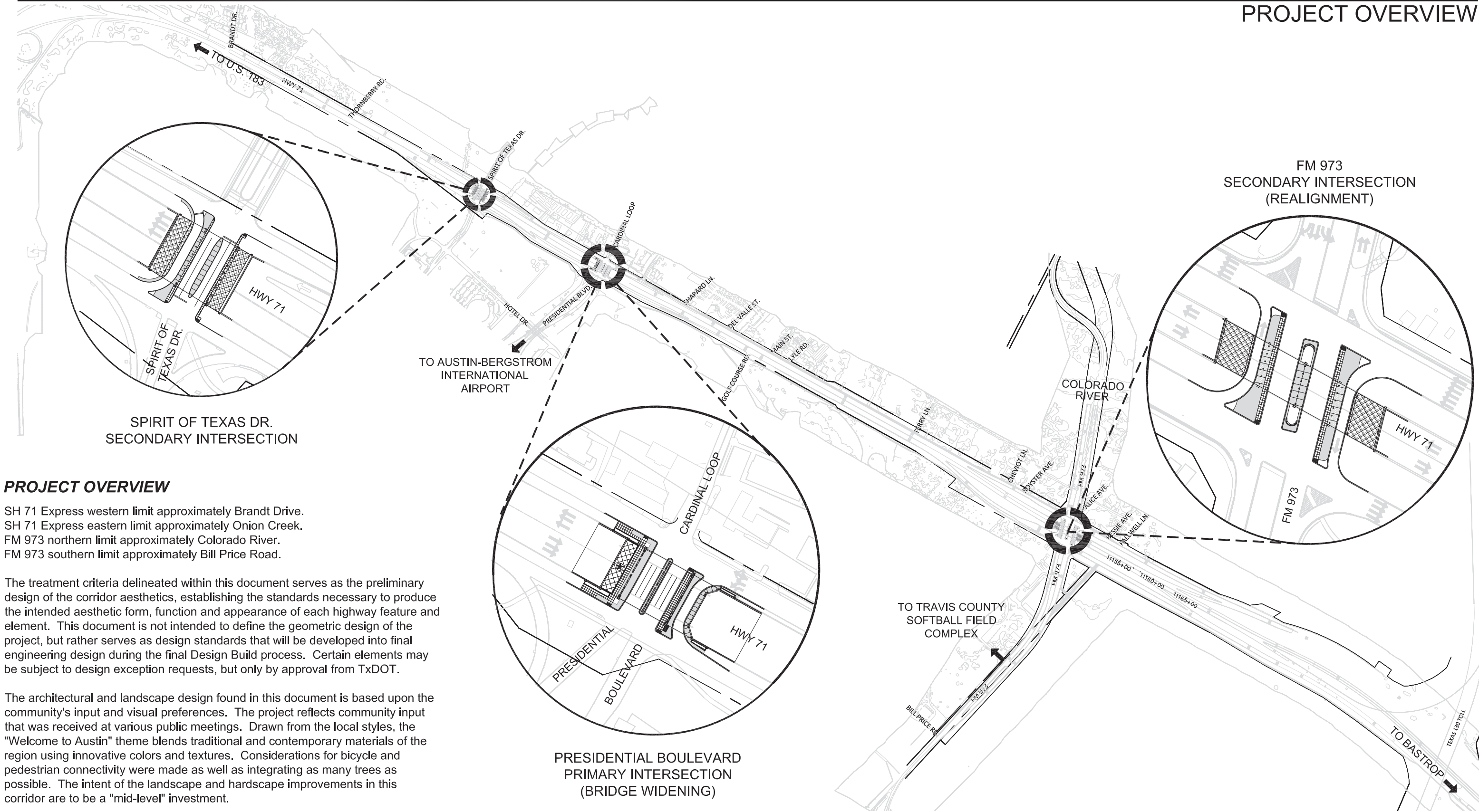
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



REVISION



\* NOT INTENDED FOR PERMIT OR CONSTRUCTION. ALL MATERIALS, DETAILS, AND LOCATION OF ELEMENTS SHOWN AS PART OF THIS DOCUMENT ARE SUBJECT TO FINAL PLANS AND SPECIFICATIONS.



PROJECT OVERVIEW

SH 71 Express western limit approximately Brandt Drive.  
SH 71 Express eastern limit approximately Onion Creek.  
FM 973 northern limit approximately Colorado River.  
FM 973 southern limit approximately Bill Price Road.

The treatment criteria delineated within this document serves as the preliminary design of the corridor aesthetics, establishing the standards necessary to produce the intended aesthetic form, function and appearance of each highway feature and element. This document is not intended to define the geometric design of the project, but rather serves as design standards that will be developed into final engineering design during the final Design Build process. Certain elements may be subject to design exception requests, but only by approval from TxDOT.

The architectural and landscape design found in this document is based upon the community's input and visual preferences. The project reflects community input that was received at various public meetings. Drawn from the local styles, the "Welcome to Austin" theme blends traditional and contemporary materials of the region using innovative colors and textures. Considerations for bicycle and pedestrian connectivity were made as well as integrating as many trees as possible. The intent of the landscape and hardscape improvements in this corridor are to be a "mid-level" investment.

CONTEXT DIAGRAM

SCALE: 1" = 1200' (CONTEXT)  
SCALE: 1" = 200' (AREA ENLARGEMENTS)

- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

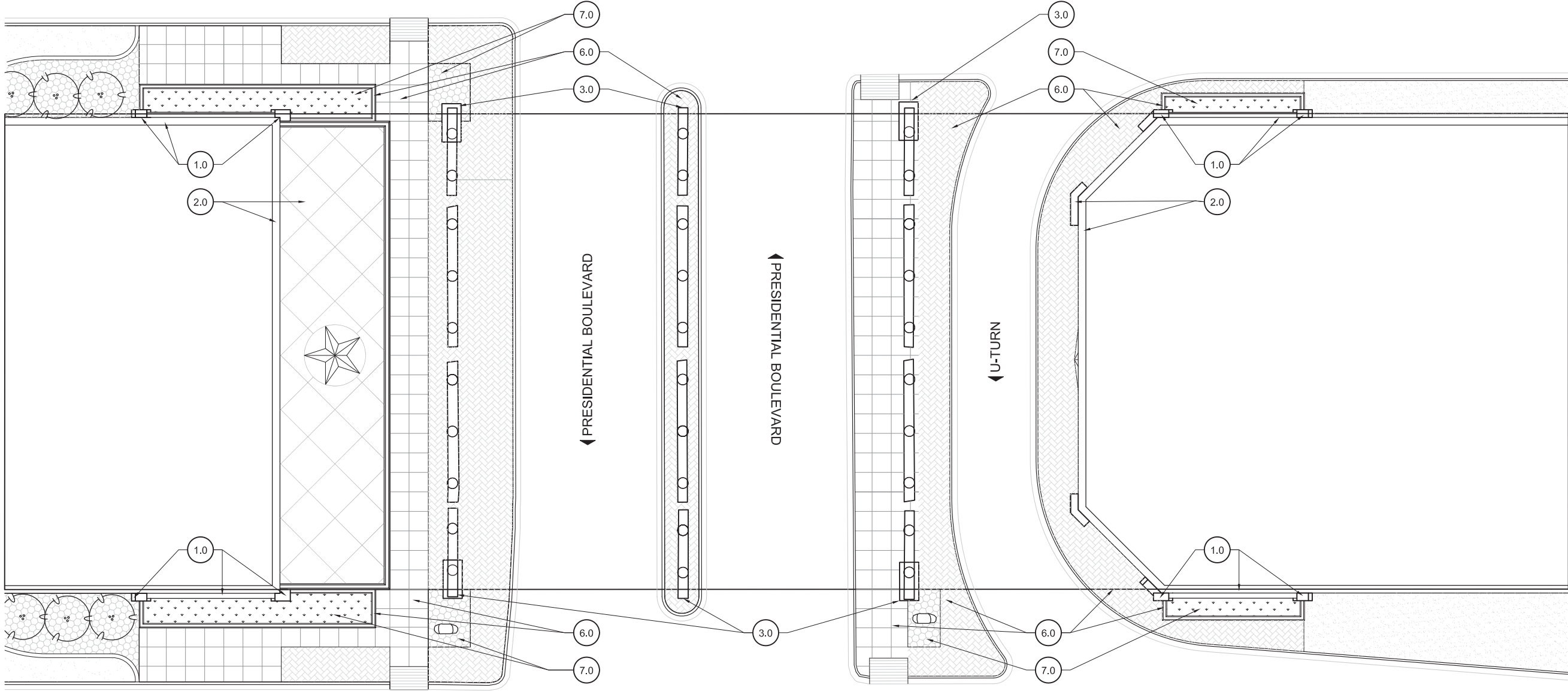
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



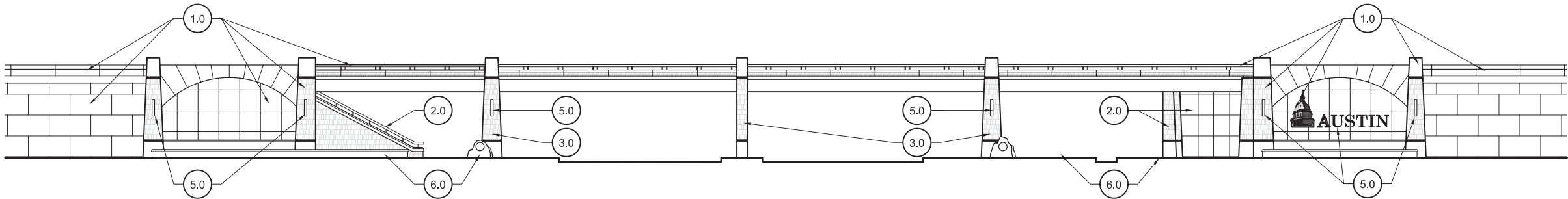
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INTERSECTION & OVERPASS ELEVATION - PRESIDENTIAL BOULEVARD



PRESIDENTIAL PLAN  
SCALE: 1"= 30'-0"



PRESIDENTIAL SOUTH SOUTHWEST ELEVATION  
SCALE: 1"= 30'-0"

- 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11

2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24
- 3.0 PYLONS - Sheets 25-30

4.0 SIGN STRUCTURES - Sheets 31-32
- 5.0 LIGHTING STANDARDS - Sheets 33-36

6.0 PAVING/ HARDSCAPE - Sheets 37-46
- 7.0 LANDSCAPE - Sheets 47-63

8.0 FINISH SCHEDULE - Sheets 64-65

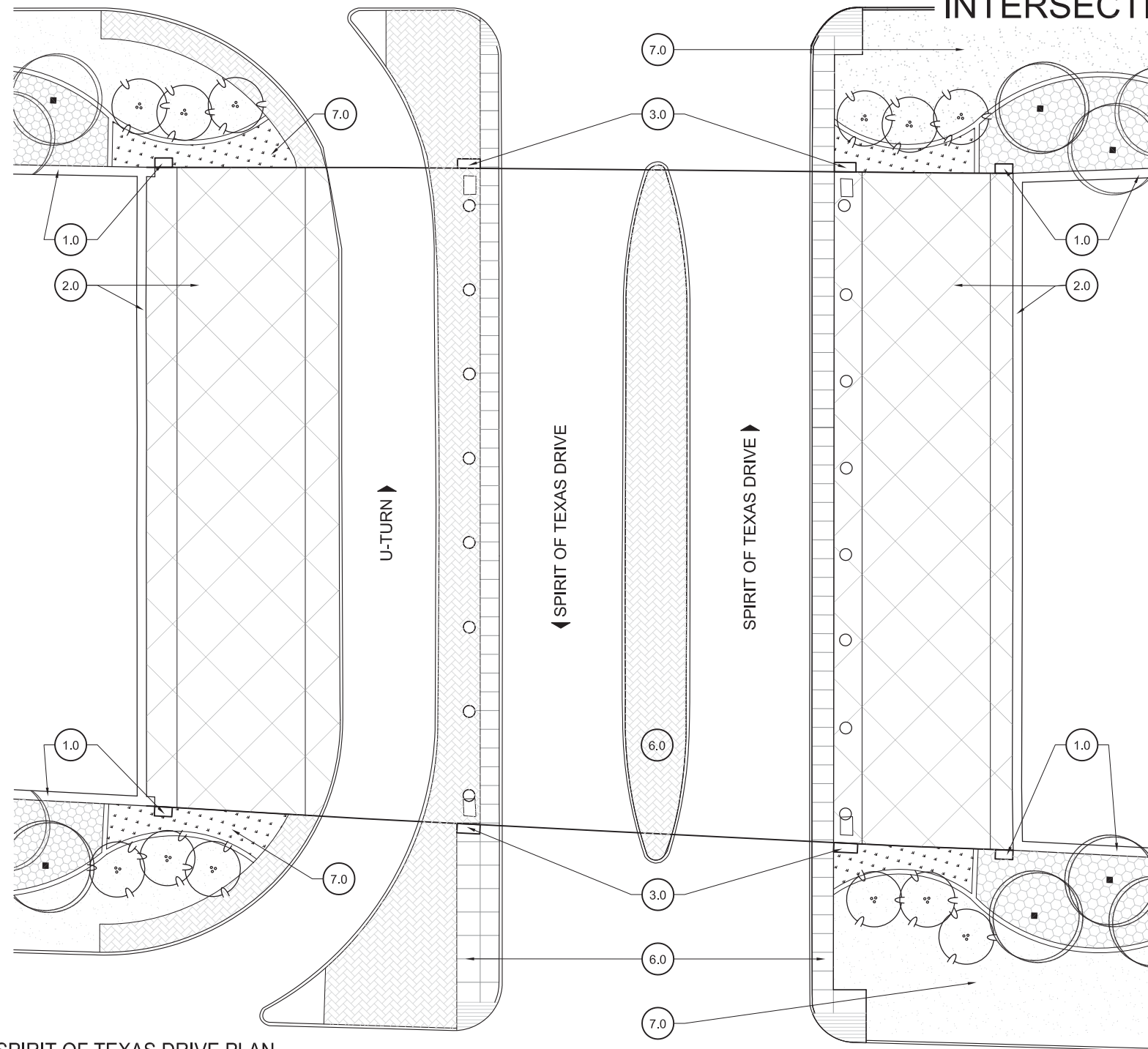
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



REVISION 2

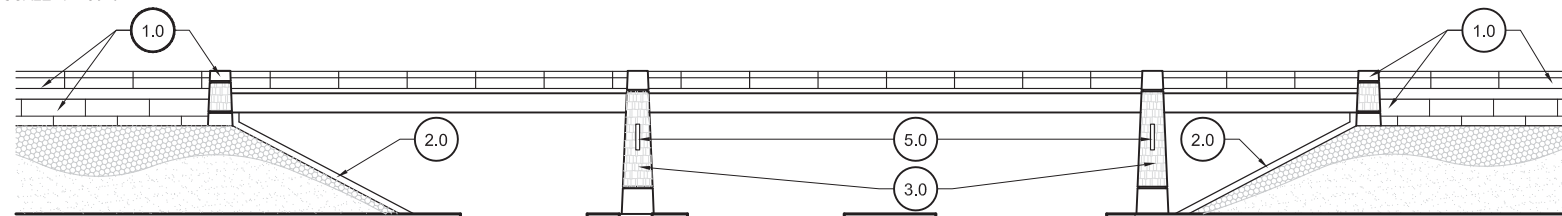
\* NOT INTENDED FOR PERMIT OR CONSTRUCTION. ALL MATERIALS, DETAILS, AND LOCATION OF ELEMENTS SHOWN AS PART OF THIS DOCUMENT ARE SUBJECT TO FINAL PLANS AND SPECIFICATIONS.

# INTERSECTION & OVERPASS ELEVATION - SPIRIT OF TEXAS DRIVE



SPIRIT OF TEXAS DRIVE PLAN

SCALE: 1"= 30'-0"



SPIRIT OF TEXAS DRIVE SOUTH SOUTHWEST ELEVATION

SCALE: 1"= 30'-0"

- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

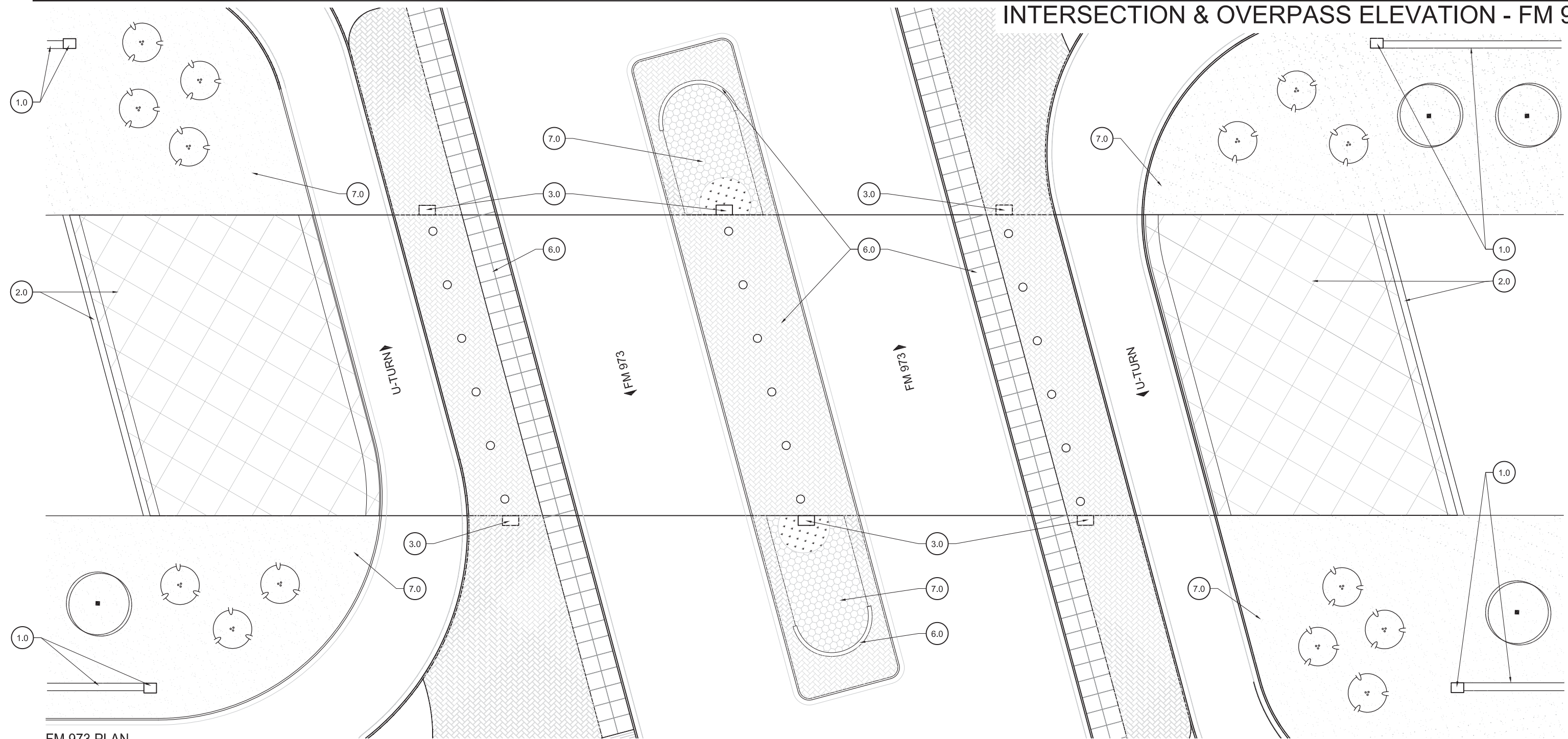
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



REVISION 2

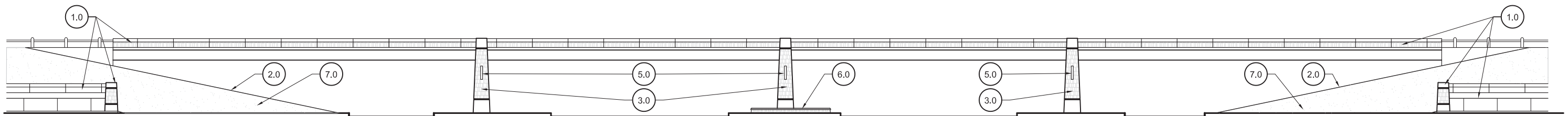


INTERSECTION & OVERPASS ELEVATION - FM 973



FM 973 PLAN

SCALE: 1"= 30'-0"



FM 973 SOUTHWEST ELEVATION

SCALE: 1"= 30'-0"

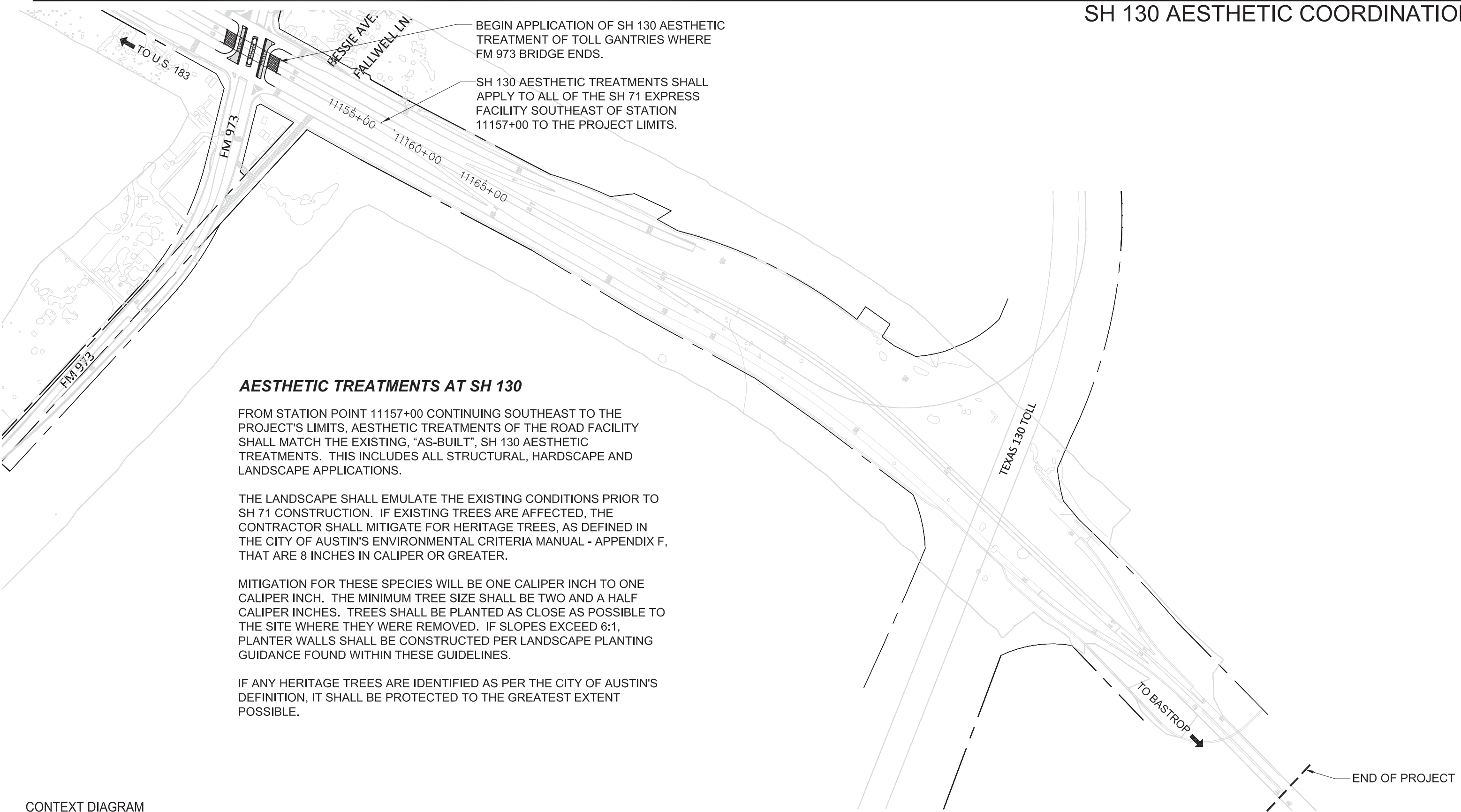
- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

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CONTEXT DIAGRAM

SCALE: 1" = 1200'

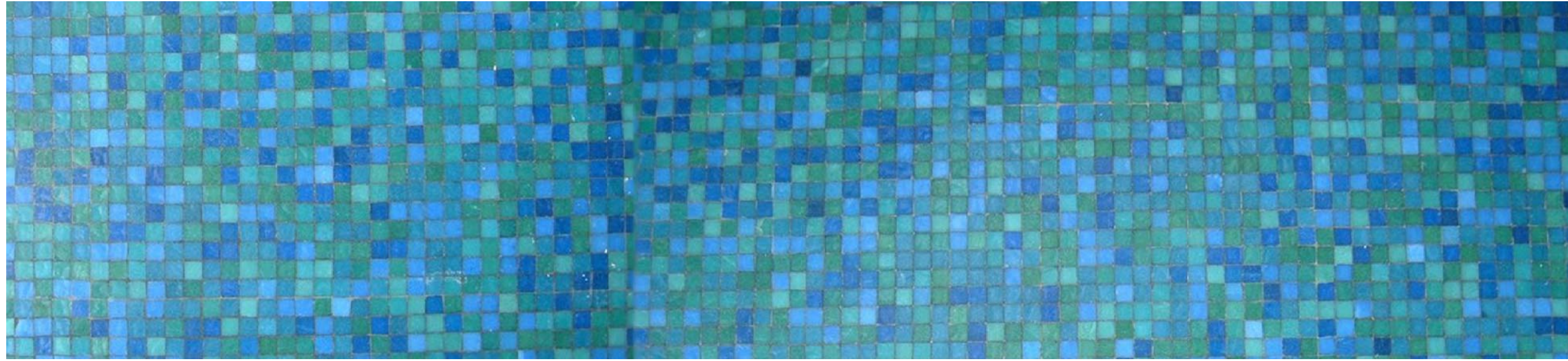
- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
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DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



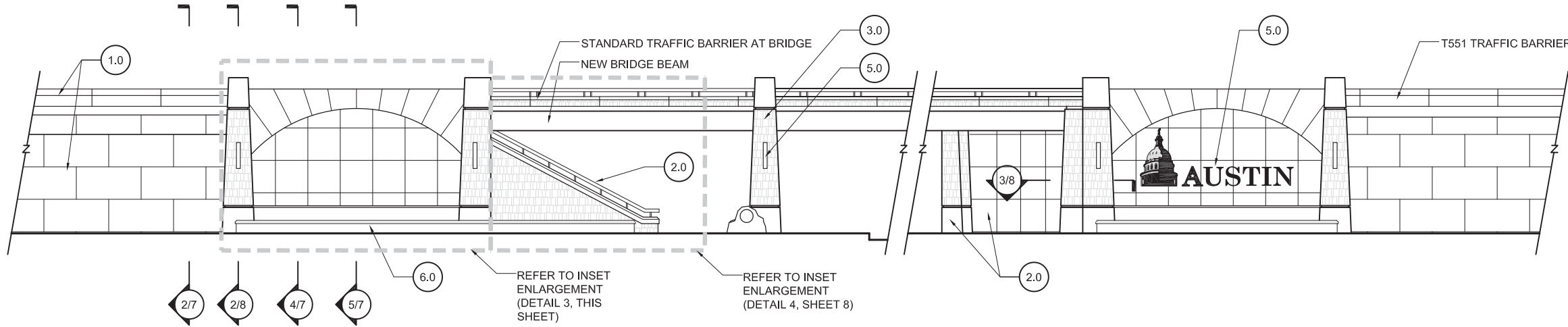
\* NOT INTENDED FOR PERMIT OR CONSTRUCTION. ALL MATERIALS, DETAILS, AND LOCATION OF ELEMENTS SHOWN AS PART OF THIS DOCUMENT ARE SUBJECT TO FINAL PLANS AND SPECIFICATIONS.





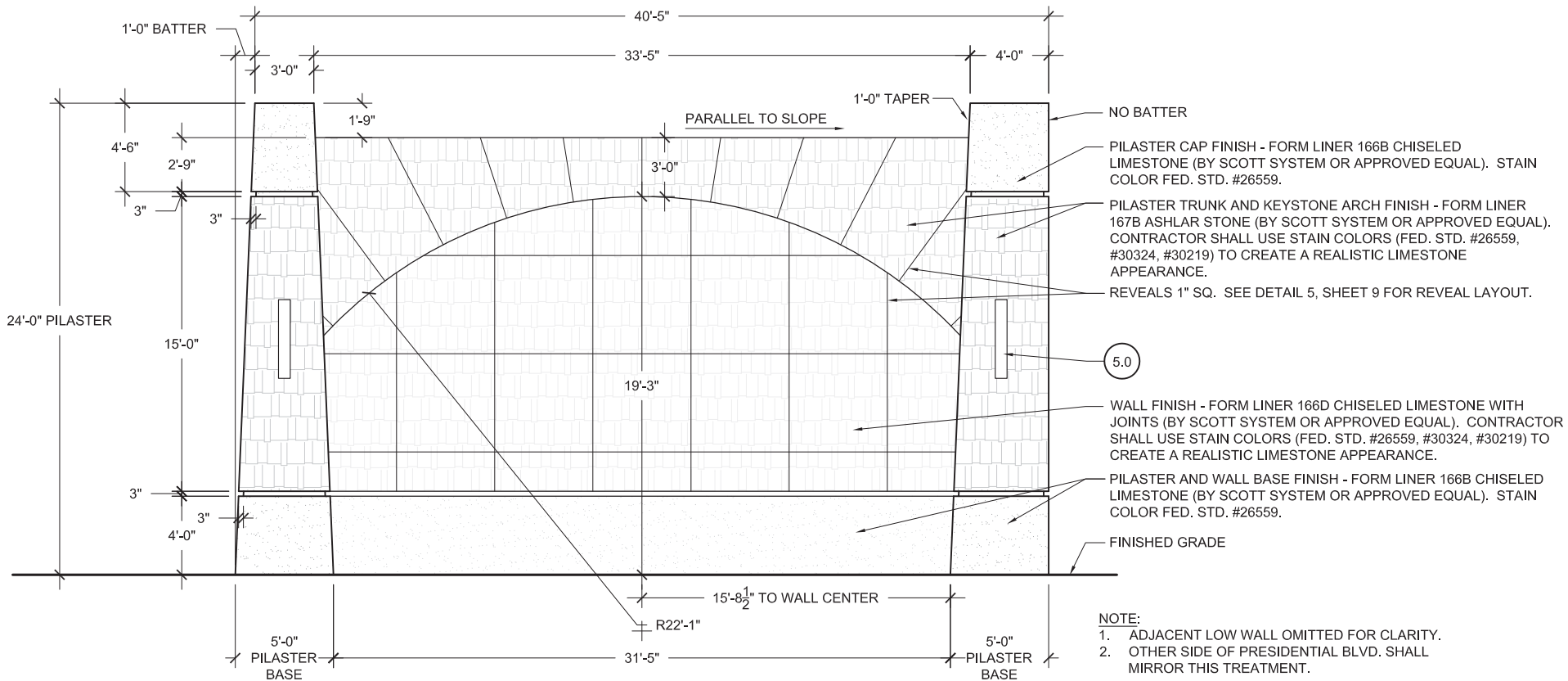
## 1.0 RETAINING WALLS

## RETAINING WALLS - PRESIDENTIAL BOULEVARD



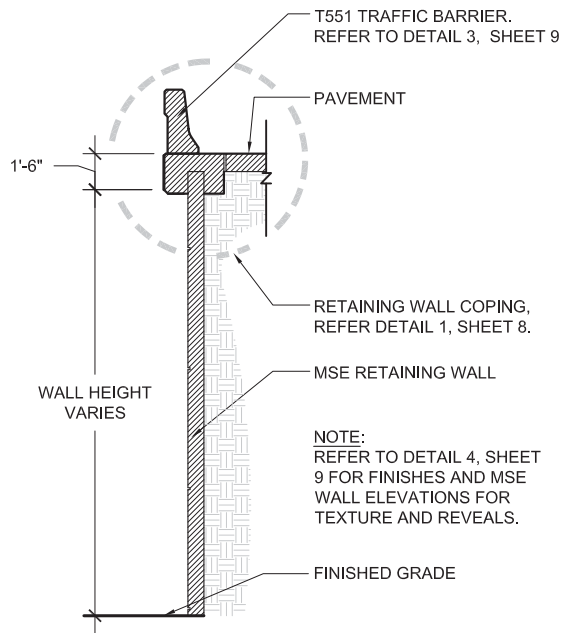
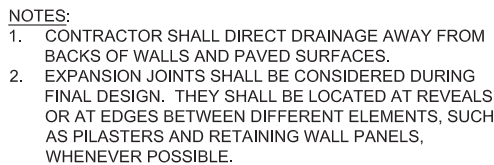
## 1 RETAINING WALL ELEVATION

SCALE: 1" = 20'



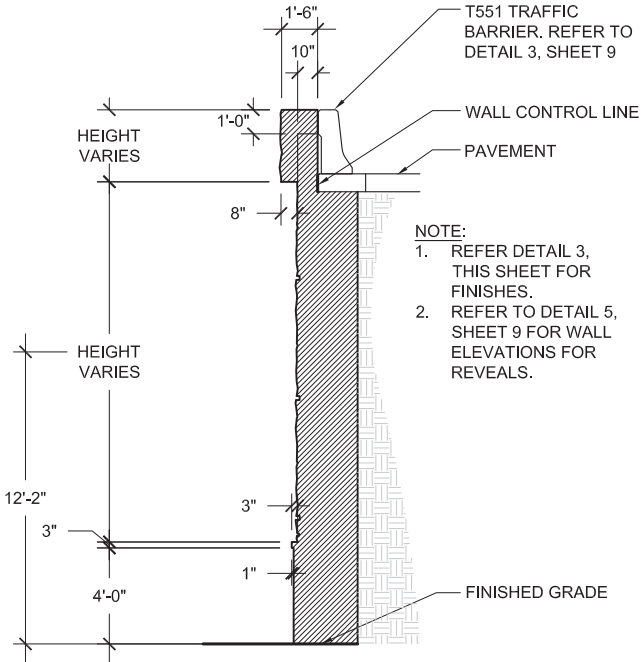
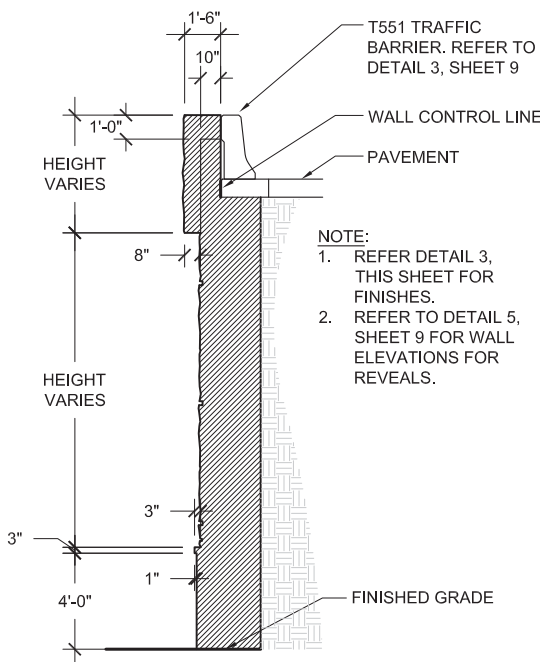
## 3 FEATURE WALL

SCALE: 1/8" = 1'-0"



MSE WALL SECTION

SCALE: 1/8" = 1'-0"



## 4 FEATURE WALL SECTION

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

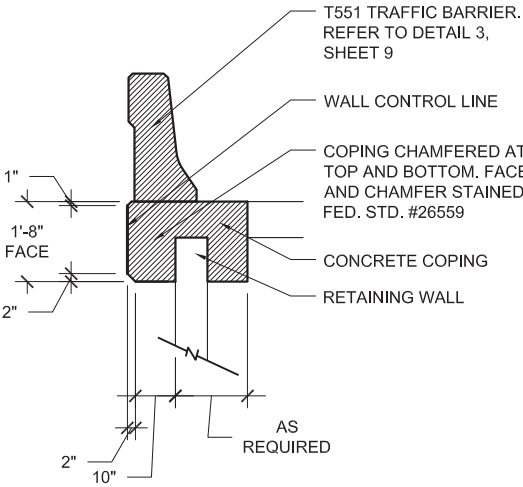
- (1.0) RETAINING WALLS & PILASTERS - Sheets 6-11     
 (3.0) PYLONS - Sheets 25-30     
 (5.0) LIGHTING STANDARDS - Sheets 33-36     
 (7.0) LANDSCAPE - Sheets 47-63  
 (2.0) BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24     
 (4.0) SIGN STRUCTURES - Sheets 31-32     
 (6.0) PAVING/ HARDSCAPE - Sheets 37-46     
 (8.0) FINISH SCHEDULE - Sheets 64-65

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

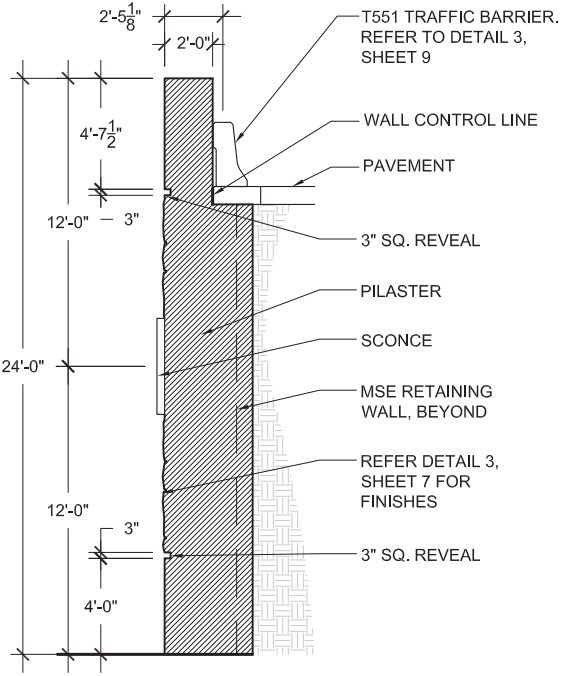
REVISION  $\triangle 2$

RETAINING WALLS - PRESIDENTIAL BOULEVARD

- NOTES:
- 1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BACKS OF WALLS AND PAVED SURFACES.
  - 2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

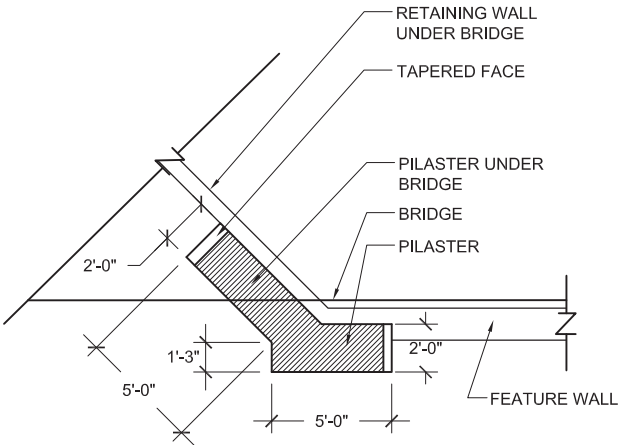


1 COPING DETAIL  
SCALE: 1/4" = 1'-0"

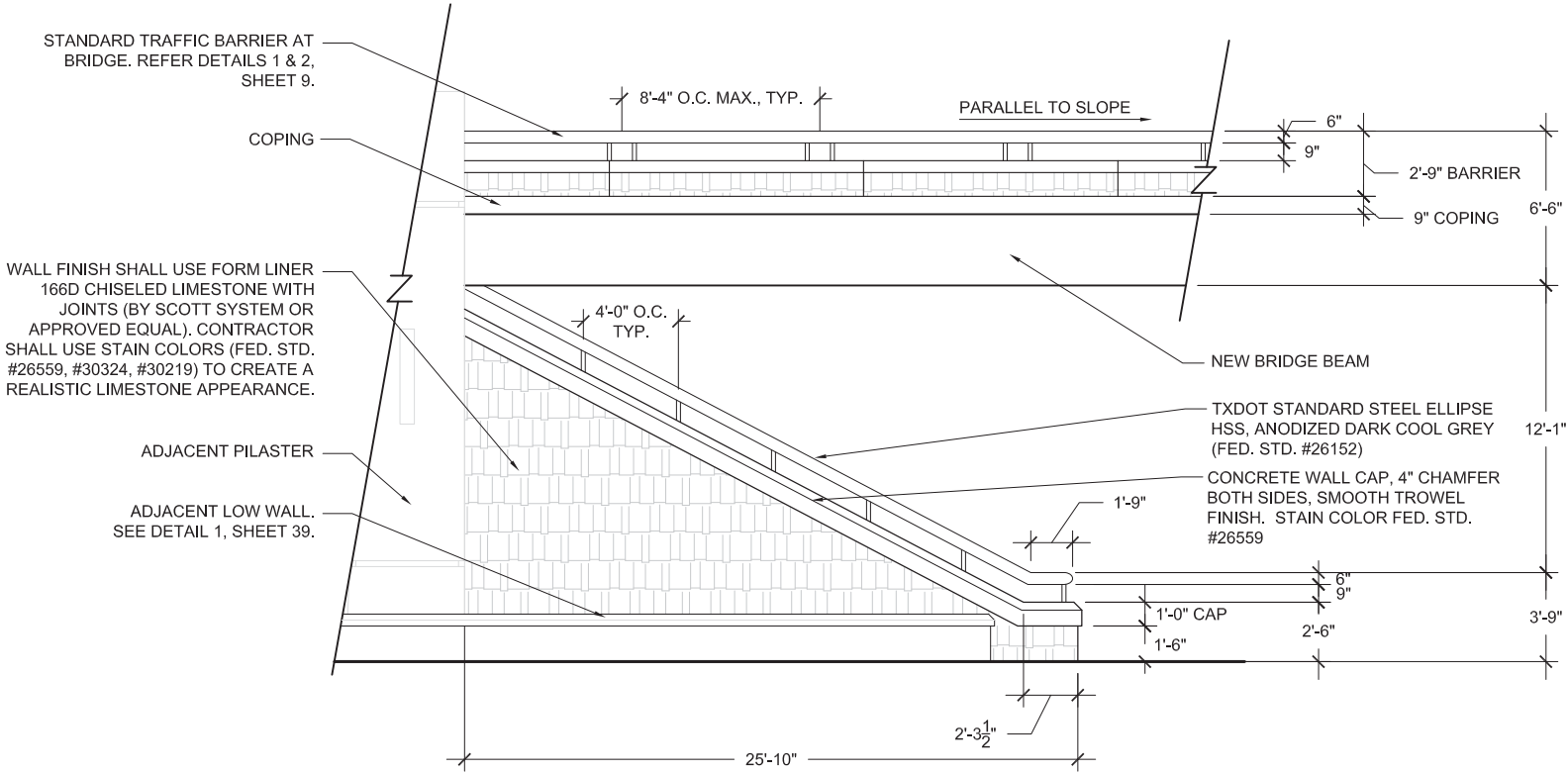


2 PILASTER SECTION  
SCALE: 1/8" = 1'-0"

NOTE:  
REFER DETAIL 3,  
SHEET 7 FOR FINISHES.



3 PILASTER PLAN SECTION  
SCALE: 1/8" = 1'-0"



4 SLOPED RETAINING WALL, TRAFFIC BARRIER AND RAILING ELEVATION  
SCALE: 1/8" = 1'-0"

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

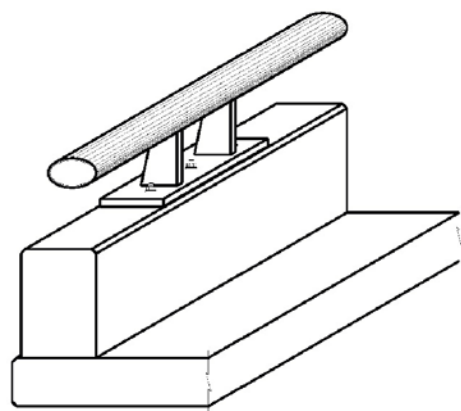
REVISION 2



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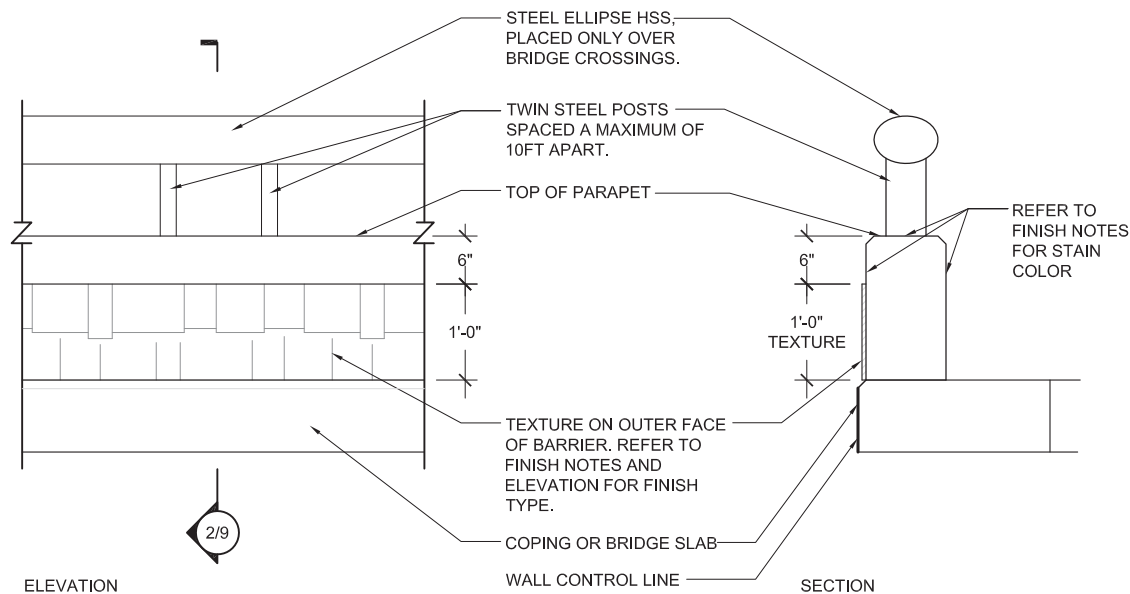


# TRAFFIC BARRIER & MSE WALL - PRESIDENTIAL BOULEVARD



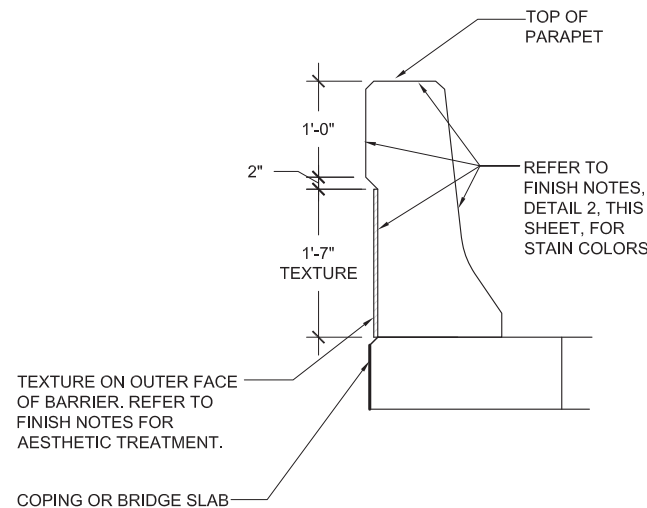
TRAFFIC BARRIER NOTES  
PER TxDOT BRIDGE  
RAILING MANUAL. VERIFY  
CURRENT REQUIREMENTS  
AND STANDARDS.

NOTE:  
TRAFFIC RAILING TYPE  
T401-  
THIS RAILING IS 33-INCHES  
HIGH WITH AN 18-INCH  
CONCRETE PARAPET AND  
A STEEL ELLIPSE HSS 15  
INCHES ABOVE THE  
CONCRETE. IT HAS TWIN  
STEEL POSTS SPACED A  
MAXIMUM OF 10 FT APART.  
IT FEATURES A BOLT  
ANCHORAGE SYSTEM FOR  
THE STEEL RAIL POSTS  
THAT MAY BE DRILLED AND  
EPOXY-ANCHORED  
ALLOWING SLIP-FORMING  
OF THE CONCRETE  
PARAPET. STEEL RAIL TO  
BE PLACED ONLY OVER  
BRIDGE CROSSINGS.



## FINISH NOTES:

1. TEXTURE OF BARRIER AT BRIDGE (EXCEPT AT SPIRIT OF TEXAS) - 166D CHISELED LIMESTONE WITH JOINTS. CONTRACTOR SHALL USE STAIN COLORS (FED. STD. #26559, #30324, #30219) TO CREATE A REALISTIC LIMESTONE APPEARANCE.
2. TEXTURE OF BARRIER ATOP RETAINING WALLS (EXCEPT AT SPIRIT OF TEXAS) - 166A CHISELED LIMESTONE. CONTRACTOR SHALL USE STAIN COLOR FED. STD. #30324.
3. TEXTURE FINISHES BY SCOTT SYSTEM OR APPROVED EQUAL.
4. STEEL ELLIPSE HSS AND TWIN STEEL POSTS ANODIZED DARK COOL GREY (FED. STD. #26152)
5. CONCRETE SURFACES OF THE BARRIERS WITHOUT APPLIED TEXTURE SHALL BE STAINED FED. STD. COLOR #26559.
6. MEDIAN BARRIERS FROM WEST MOST PROJECT LIMIT TO STATION 11157+00 SHALL BE STAINED FED. STD. COLOR #26559.
7. ALL BARRIERS SOUTHEAST OF STATION 11157+00 TO THE SOUTHEAST MOST PROJECT LIMIT SHALL BE STAINED TO MATCH SH 130 BARRIERS.



## 1 STANDARD TRAFFIC BARRIER

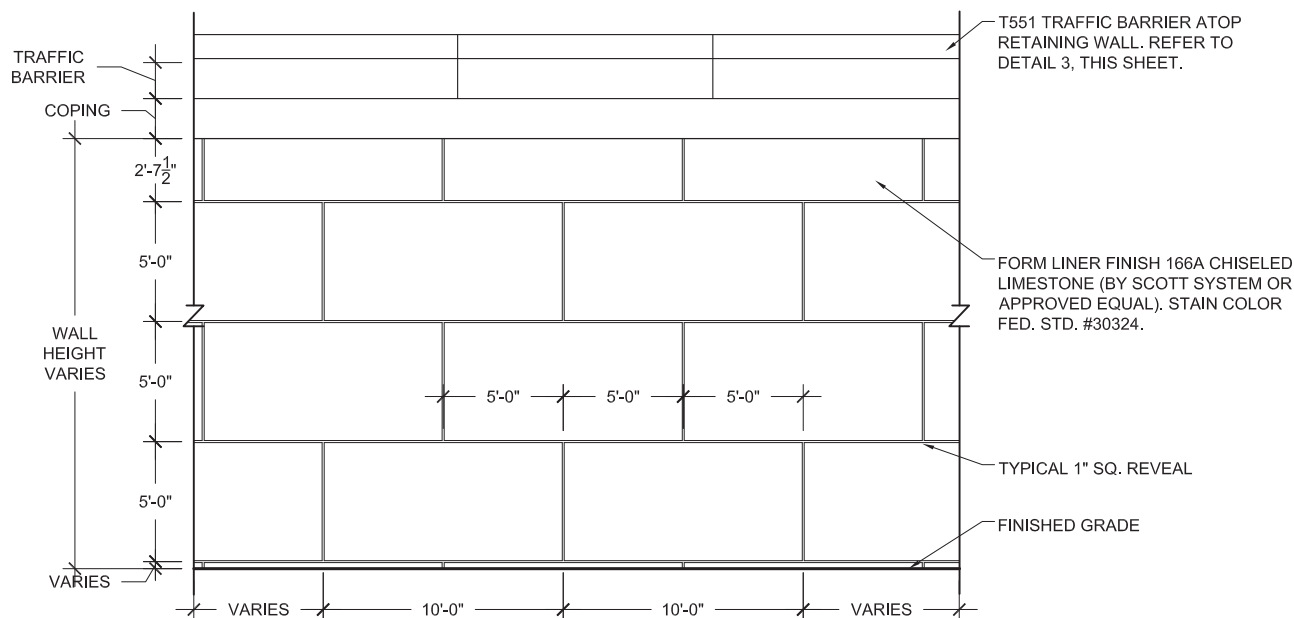
SCALE: NOT TO SCALE

## 2 STANDARD TRAFFIC BARRIER AT PRESIDENTIAL BRIDGE CROSSING ONLY

SCALE: 1/2" = 1'-0"

## 3 T551 TRAFFIC BARRIER - WITH TEXTURE

SCALE: 1/2" = 1'-0"

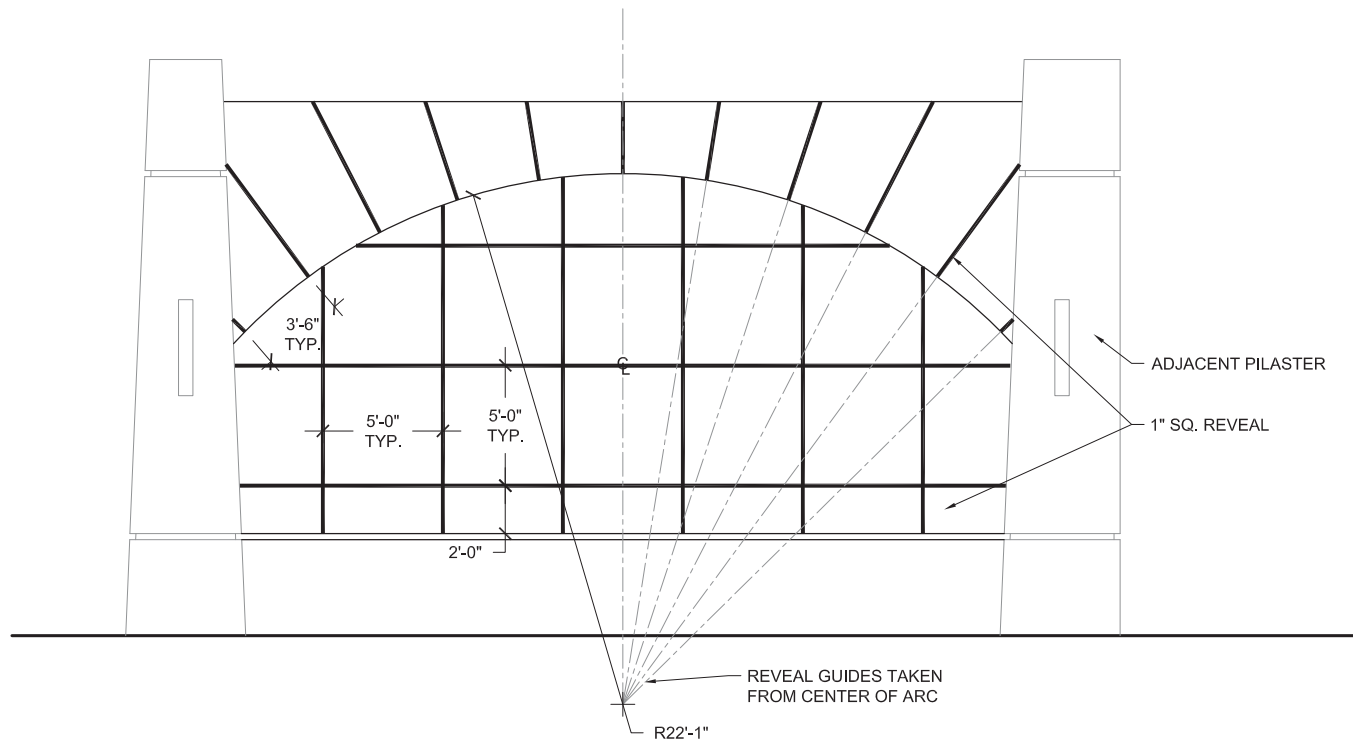


## 4 MSE WALL ELEVATION

SCALE: 1/8" = 1'-0"

### NOTES:

1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BACKS OF WALLS AND PAVED SURFACES.
2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.



## 5 SCORING AT RETAINING WALL FEATURE

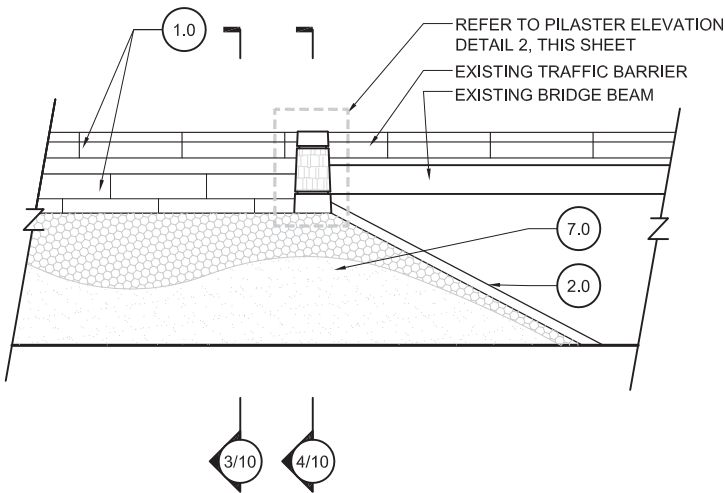
SCALE: 1/8" = 1'-0"

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

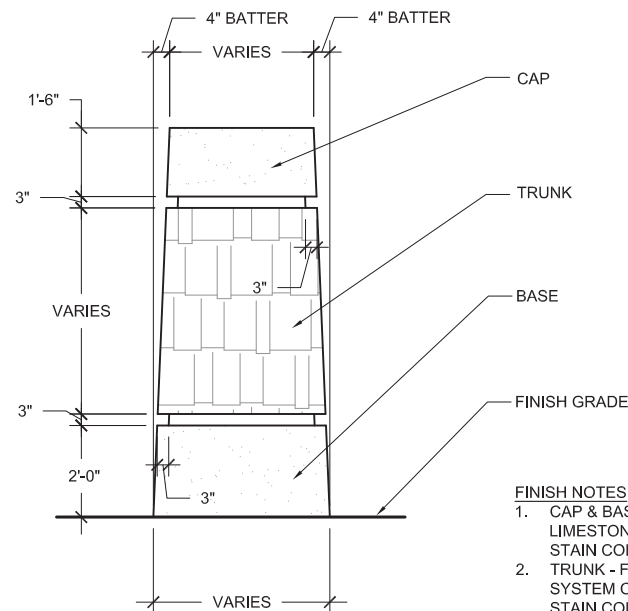
REVISION







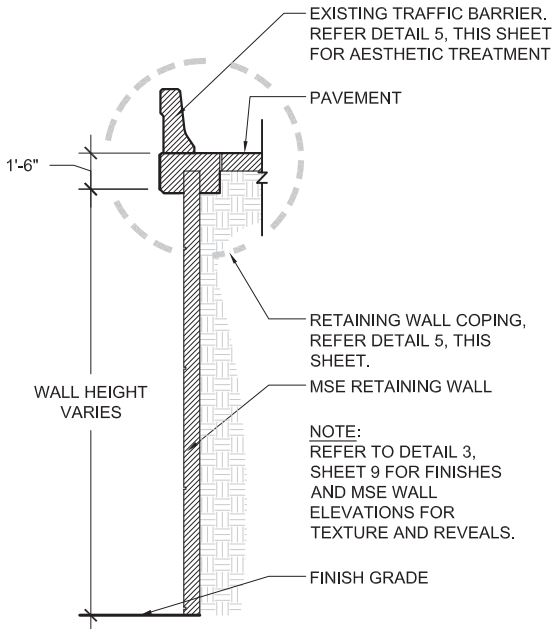
1 RETAINING WALL ELEVATION  
SCALE: 1" = 20'



PILASTER NOTES:  
ALL PILASTER BATTERS SHALL BE  
UNIFORM PER BRIDGE.

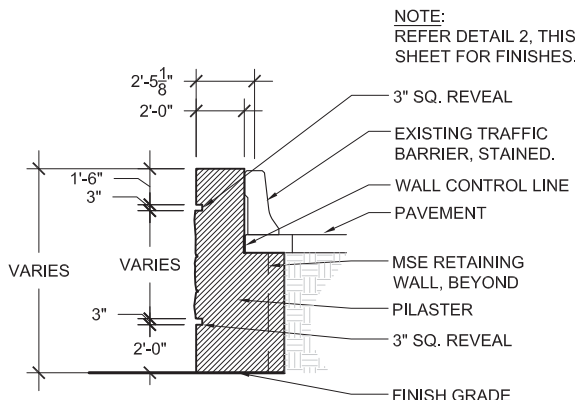
- FINISH NOTES:
1. CAP & BASE - FORM LINER FINISH 166B CHISELED LIMESTONE (BY SCOTT SYSTEM OR APPROVED EQUAL). STAIN COLOR FED. STD. #26559.
  2. TRUNK - FORM LINER 167B ASHLAR STONE (BY SCOTT SYSTEM OR APPROVED EQUAL). CONTRACTOR SHALL USE STAIN COLORS (FED. STD. #26559, #30324, #30219) TO CREATE A REALISTIC LIMESTONE APPEARANCE.

2 PILASTER ELEVATION  
SCALE: 1/4" = 1'-0"

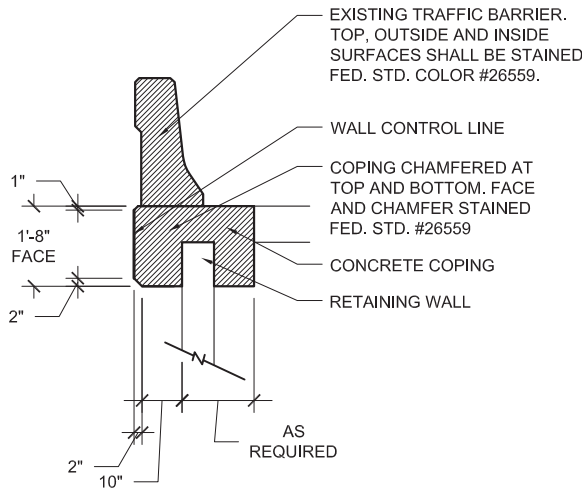


- NOTES:
1. AESTHETIC TREATMENT OF EXISTING TRAFFIC BARRIERS AT THIS INTERSECTION SHALL ONLY CONSIST OF PAINT AS SPECIFIED IN DETAIL 5, THIS SHEET. FORMLINER OR TEXTURES SHALL NOT BE APPLIED.
  2. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BACKS OF WALLS AND PAVED SURFACES.
  3. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

3 RETAINING WALL SECTION  
SCALE: 1/8" = 1'-0"



4 PILASTER SECTION  
SCALE: 1/8" = 1'-0"



5 COPING DETAIL  
SCALE: 1/4" = 1'-0"

1.0 RETAINING WALLS & PILASTERS - Sheets 6-11

3.0 PYLONS - Sheets 25-30

5.0 LIGHTING STANDARDS - Sheets 33-36

7.0 LANDSCAPE - Sheets 47-63

2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24

4.0 SIGN STRUCTURES - Sheets 31-32

6.0 PAVING/ HARDSCAPE - Sheets 37-46

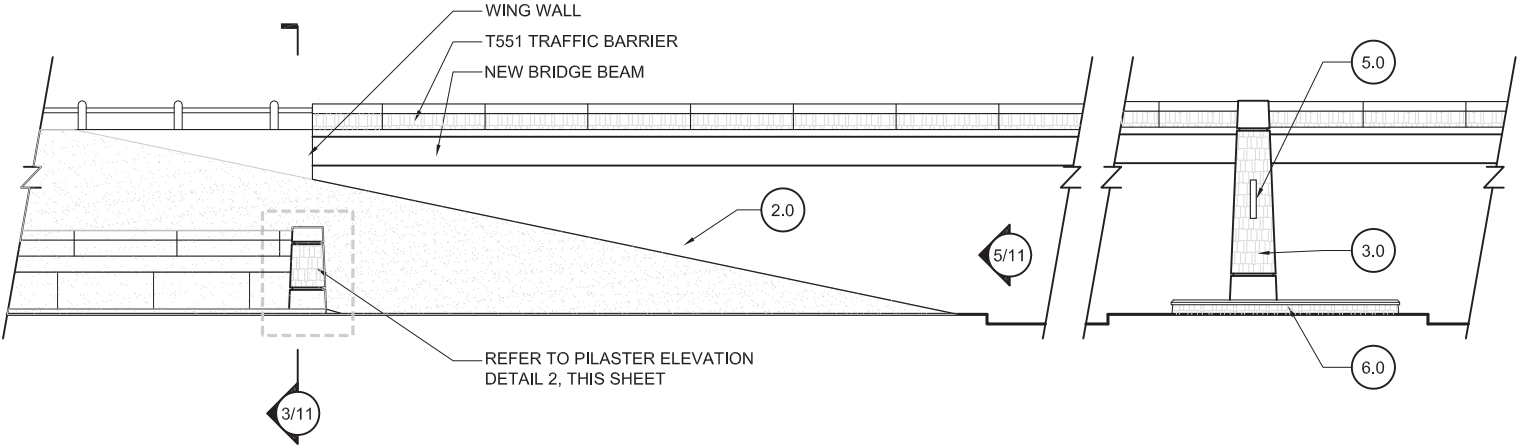
8.0 FINISH SCHEDULE - Sheets 64-65

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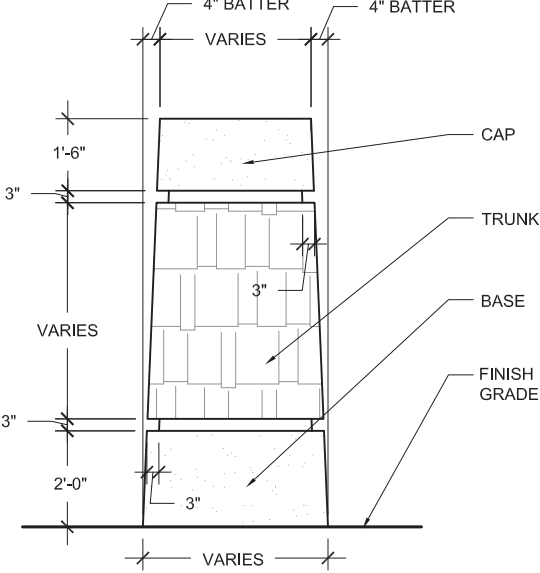
REVISION



NOTE:  
SHOULD THE CONTRACTOR'S DESIGN REQUIRE  
RETAINING WALLS, NO PERCHED WALLS SHALL  
BE USED.

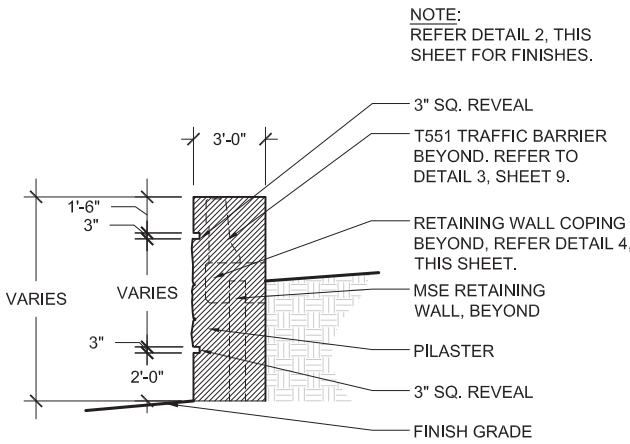


**1** RETAINING WALL ELEVATION  
SCALE: 1" = 20'



PILASTER NOTES:  
ALL PILASTER BATTERS SHALL  
BE UNIFORM PER BRIDGE.

- FINISH NOTES:
1. CAP & BASE - FORM LINER FINISH 166B CHISELED LIMESTONE (BY SCOTT SYSTEM OR APPROVED EQUAL). STAIN COLOR FED. STD. #26559.
  2. TRUNK - FORM LINER 167B ASHLAR STONE (BY SCOTT SYSTEM OR APPROVED EQUAL). CONTRACTOR SHALL USE STAIN COLORS (FED. STD. #26559, #30324, #30219) TO CREATE A REALISTIC LIMESTONE APPEARANCE.

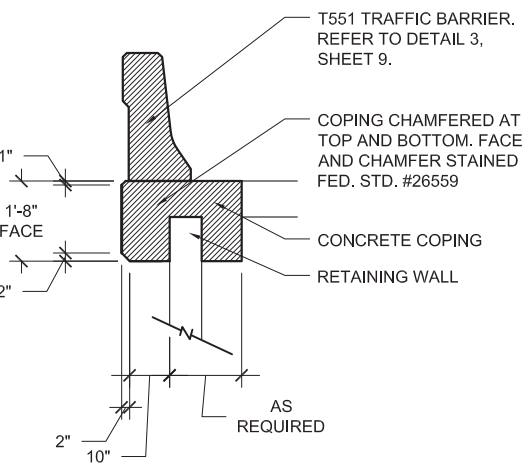


NOTE:  
REFER DETAIL 2, THIS  
SHEET FOR FINISHES.

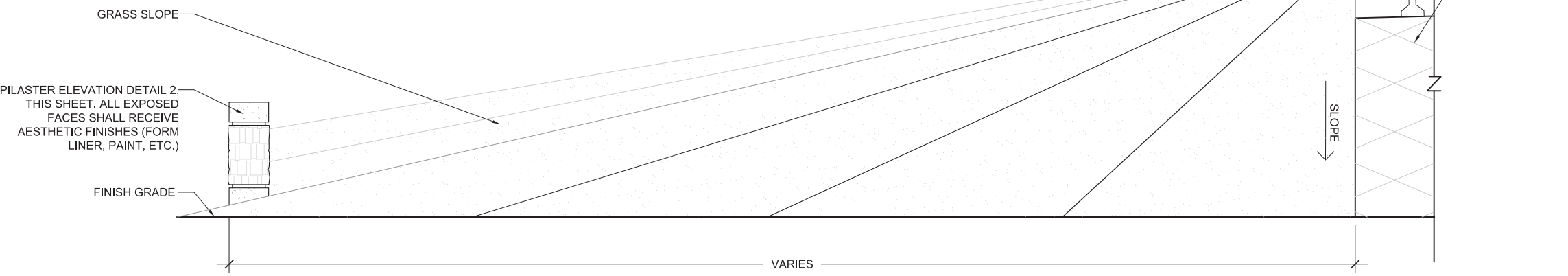
**2** PILASTER ELEVATION  
SCALE: 1/4" = 1'-0"

**3** PILASTER SECTION  
SCALE: 1/8" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BACKS OF WALLS AND PAVED SURFACES.
  2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.



**4** COPING DETAIL  
SCALE: 1/4" = 1'-0"



**5** WINGWALL AND RIP RAP ELEVATION  
SCALE: 1" = 10'

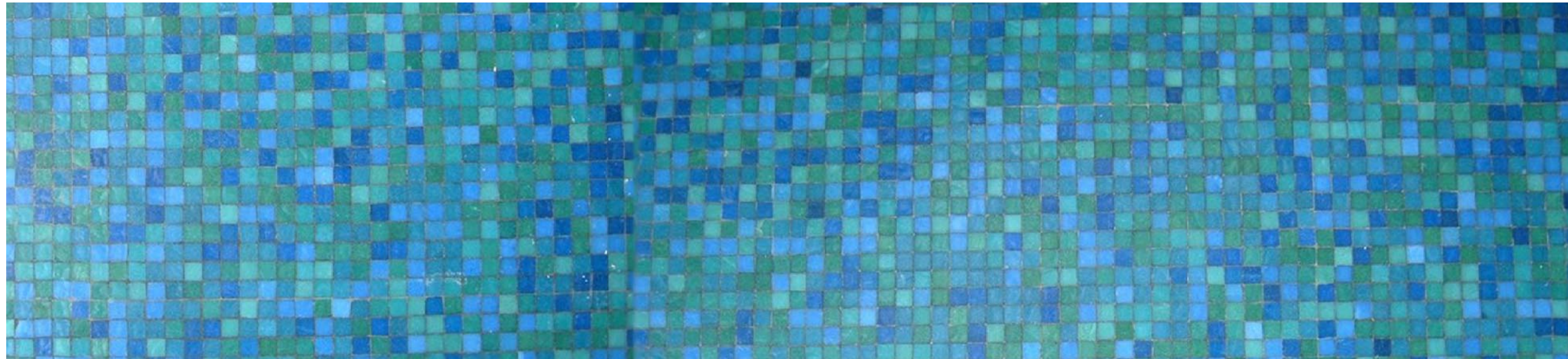
- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

REVISION



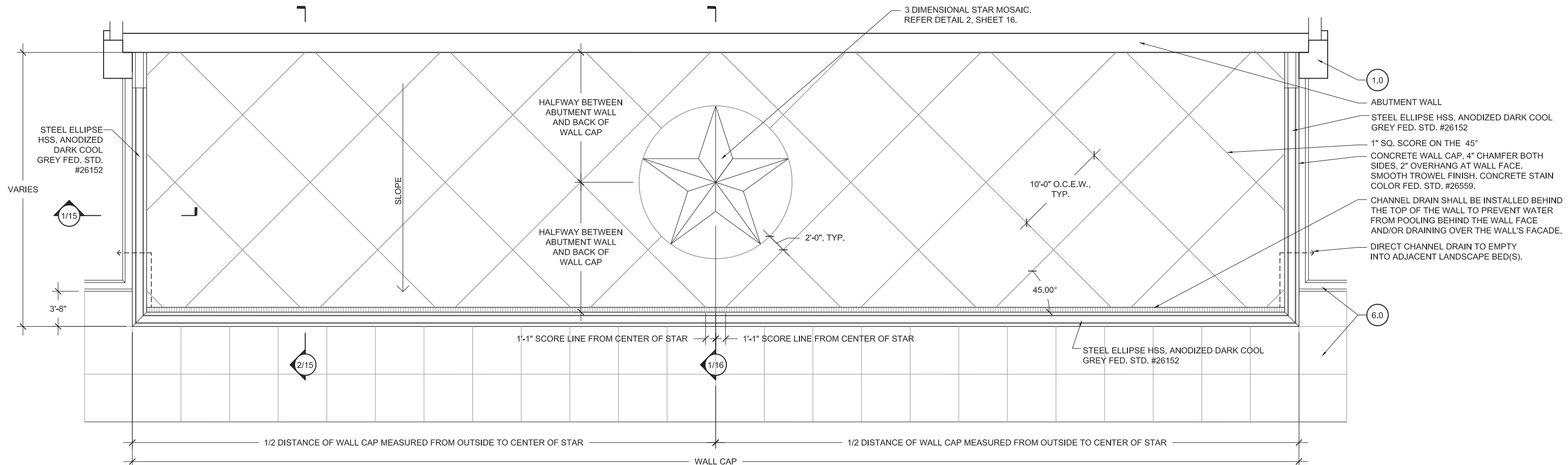
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## 2.0 BRIDGE ABUTMENT WALLS & RIP RAP



BRIDGE ABUTMENT WALLS & RIP RAP - PRESIDENTIAL BOULEVARD



NORTHWEST ABUTMENT AND SLOPED RIP RAP WALL PLAN

SCALE: 1" = 10'

- NOTES:
1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
  2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

1.0 RETAINING WALLS & PILASTERS - Sheets 6-11

2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24

3.0 PYLONS - Sheets 25-30

4.0 SIGN STRUCTURES - Sheets 31-32

5.0 LIGHTING STANDARDS - Sheets 33-36

6.0 PAVING/ HARDSCAPE - Sheets 37-46

7.0 LANDSCAPE - Sheets 47-63

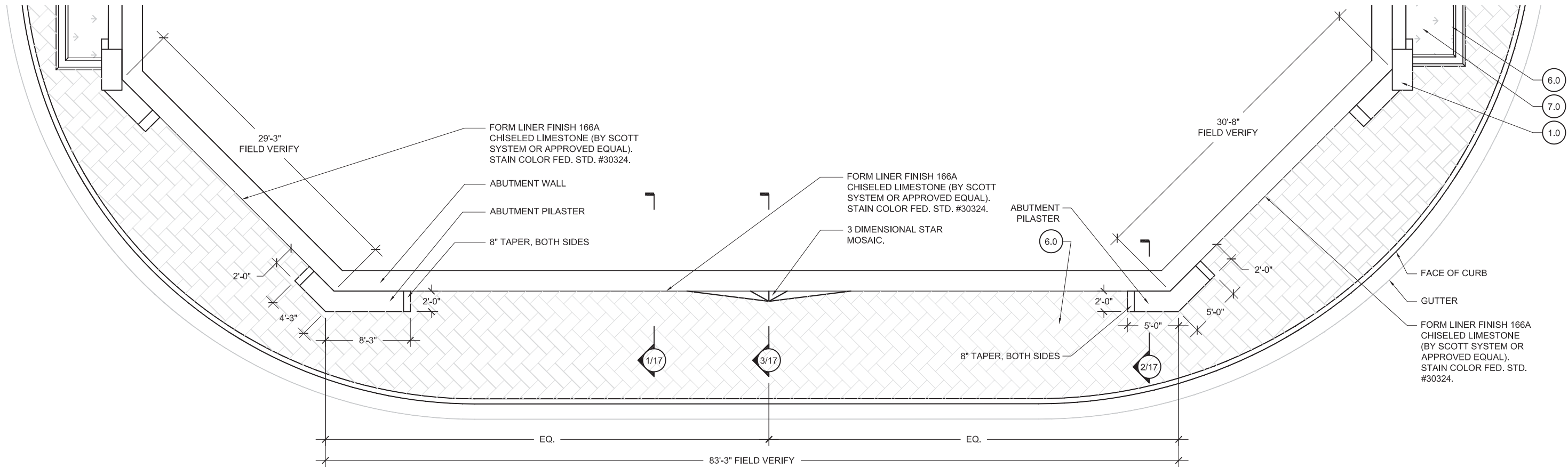
8.0 FINISH SCHEDULE - Sheets 64-65

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.





BRIDGE ABUTMENT WALLS & RIP RAP - PRESIDENTIAL BOULEVARD



SOUTHEAST ABUTMENT WALL PLAN

SCALE: 1" = 10'

- NOTES:
1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
  2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

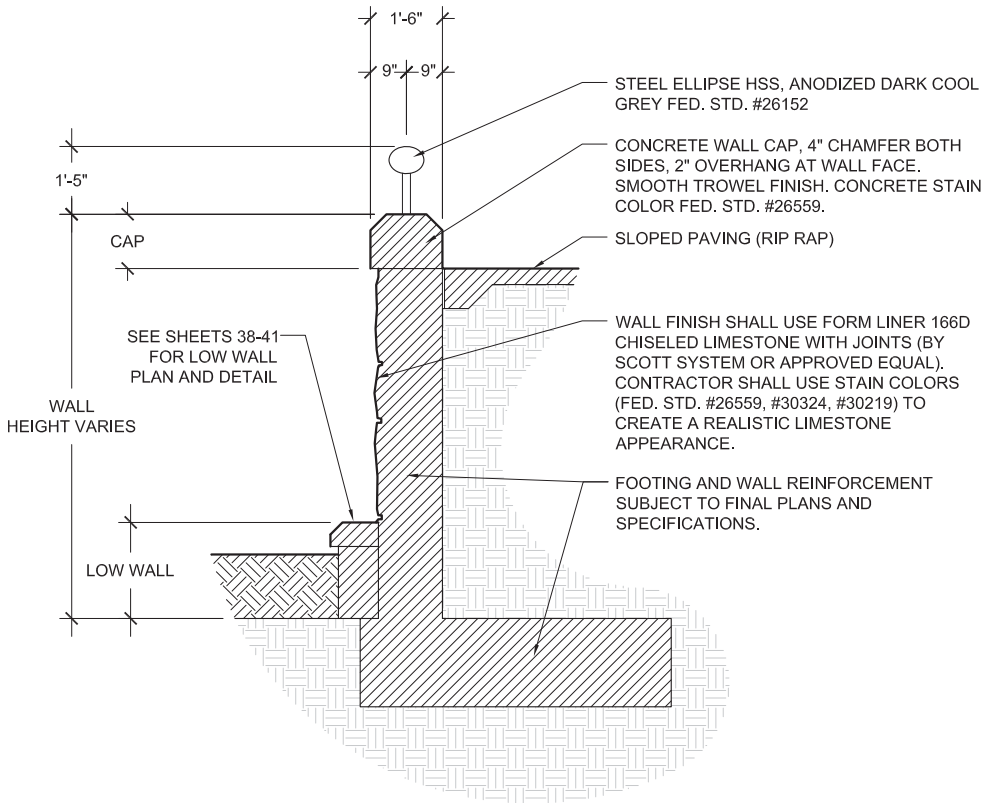
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|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
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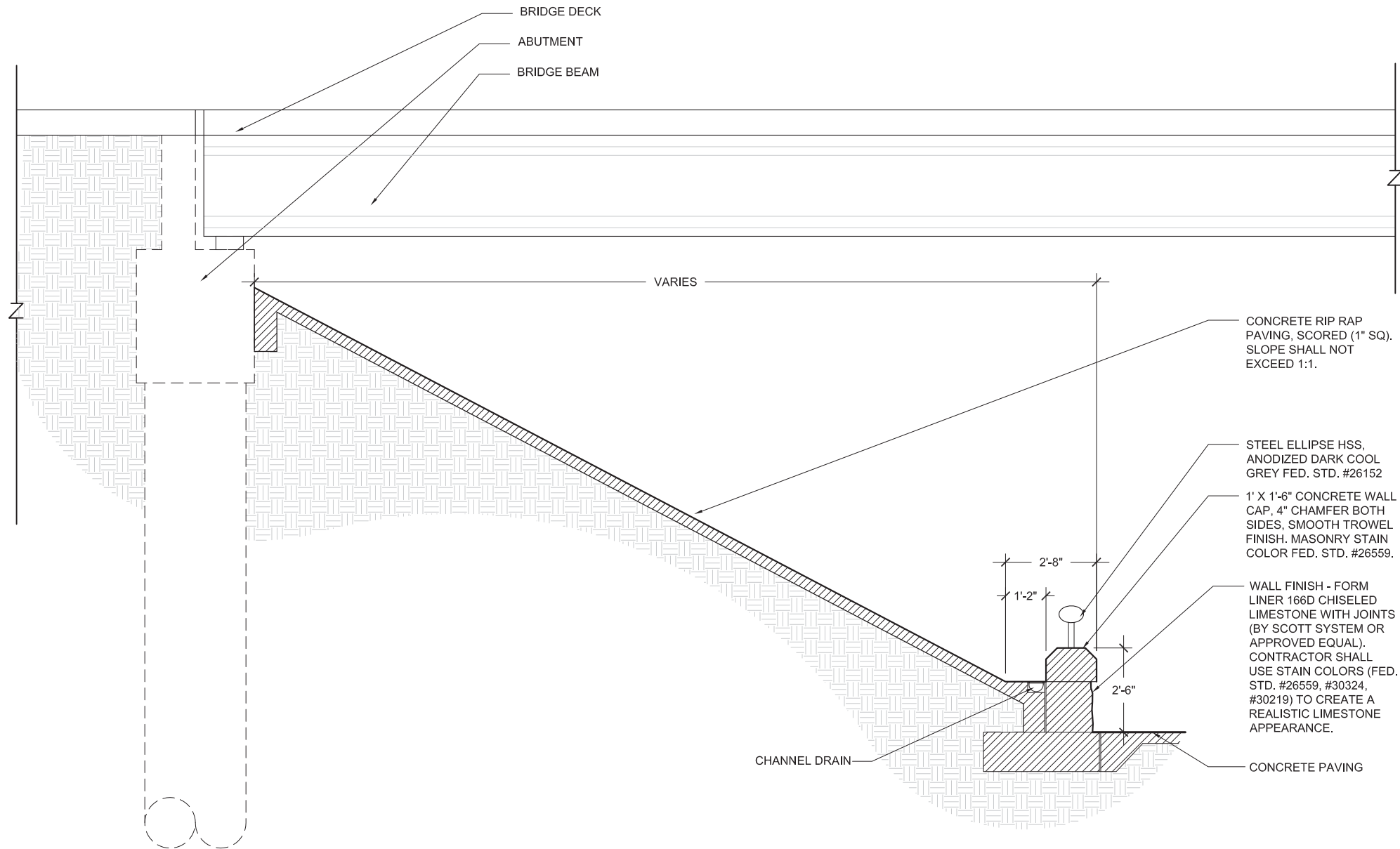
\* NOT INTENDED FOR PERMIT OR CONSTRUCTION. ALL MATERIALS, DETAILS, AND LOCATION OF ELEMENTS SHOWN AS PART OF THIS DOCUMENT ARE SUBJECT TO FINAL PLANS AND SPECIFICATIONS.

BRIDGE ABUTMENT WALLS & RIP RAP - PRESIDENTIAL BOULEVARD



1 SLOPED RIP RAP WALL SECTION

SCALE: 1/4" = 1'-0"



2 ABUTMENT AND SLOPED RIP RAP WALL SECTION

SCALE: 1/4" = 1'-0"

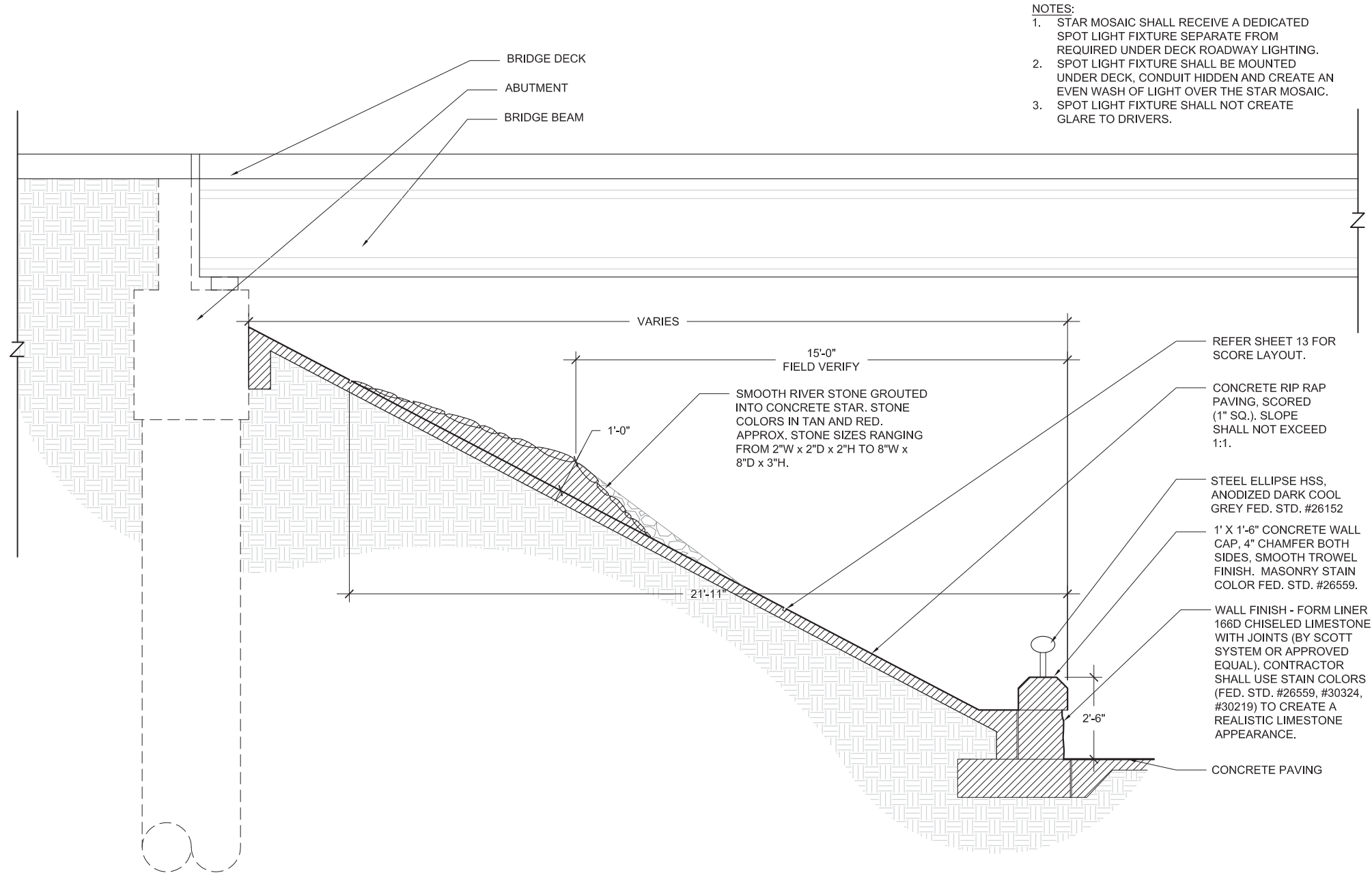
- NOTES:
1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
  2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

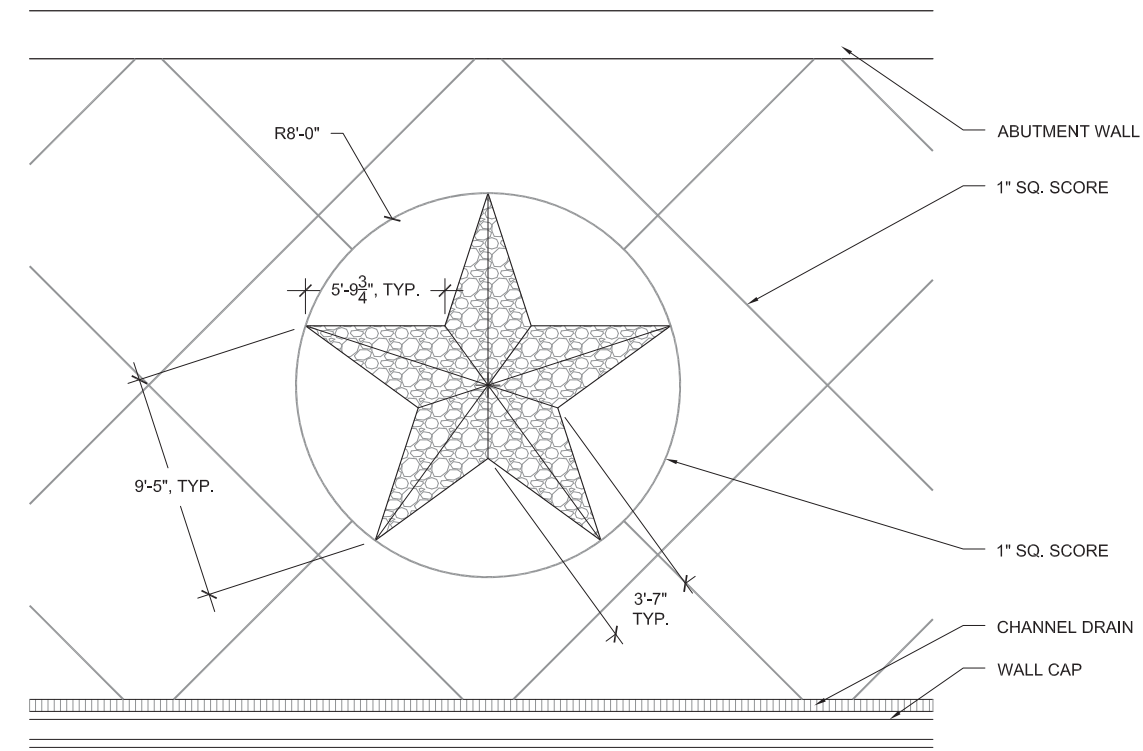
REVISION



\* NOT INTENDED FOR PERMIT OR CONSTRUCTION. ALL MATERIALS, DETAILS, AND LOCATION OF ELEMENTS SHOWN AS PART OF THIS DOCUMENT ARE SUBJECT TO FINAL PLANS AND SPECIFICATIONS.



- NOTES:
1. STAR MOSAIC SHALL RECEIVE A DEDICATED SPOT LIGHT FIXTURE SEPARATE FROM REQUIRED UNDER DECK ROADWAY LIGHTING.
  2. SPOT LIGHT FIXTURE SHALL BE MOUNTED UNDER DECK, CONDUIT HIDDEN AND CREATE AN EVEN WASH OF LIGHT OVER THE STAR MOSAIC.
  3. SPOT LIGHT FIXTURE SHALL NOT CREATE GLARE TO DRIVERS.



2 STAR MOSAIC DETAIL  
SCALE: 1/8" = 1'-0"

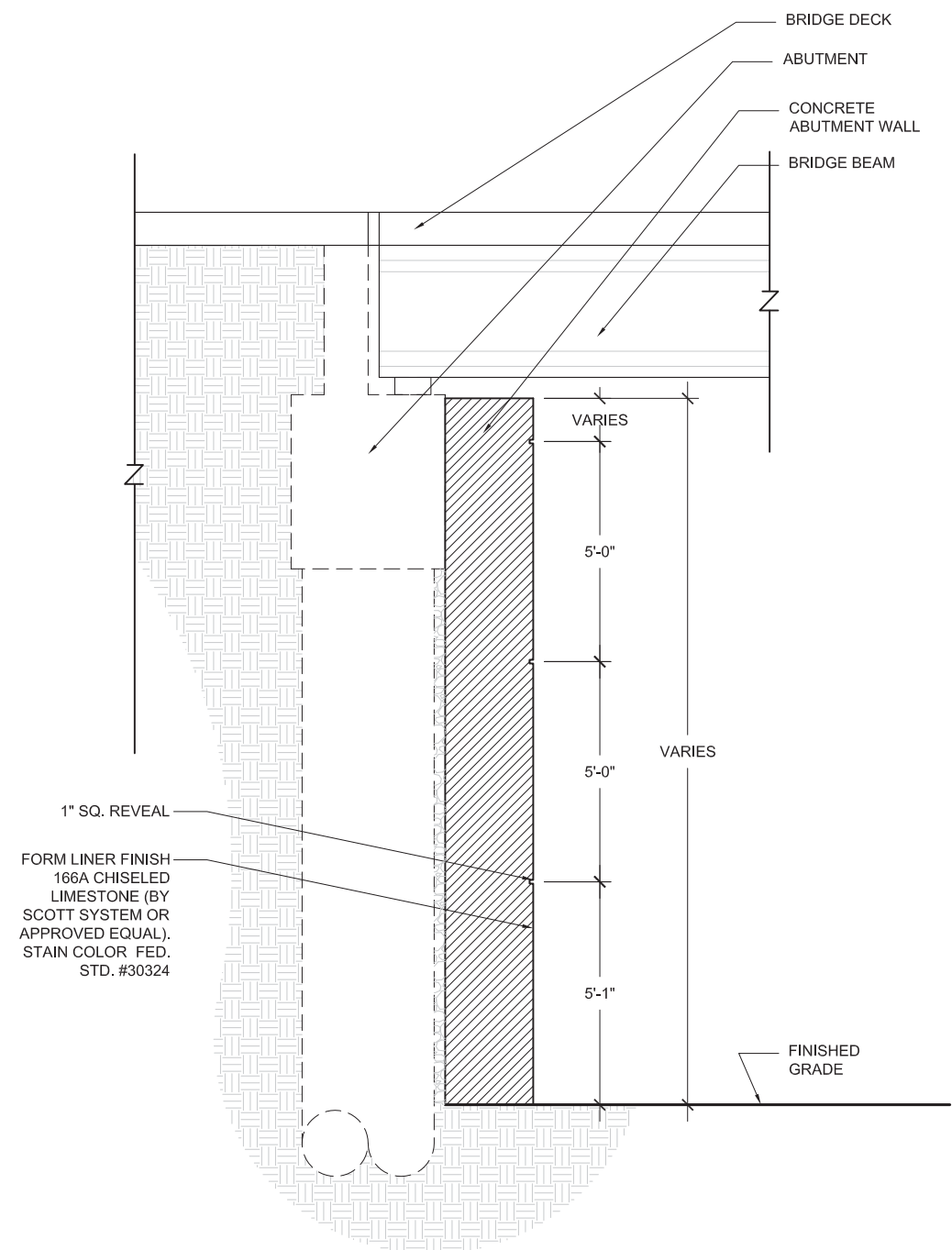
1 ABUTMENT, SLOPED RIP RAP AND STAR MOSAIC SECTION  
SCALE: 1/4" = 1'-0"

- NOTES:
1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
  2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

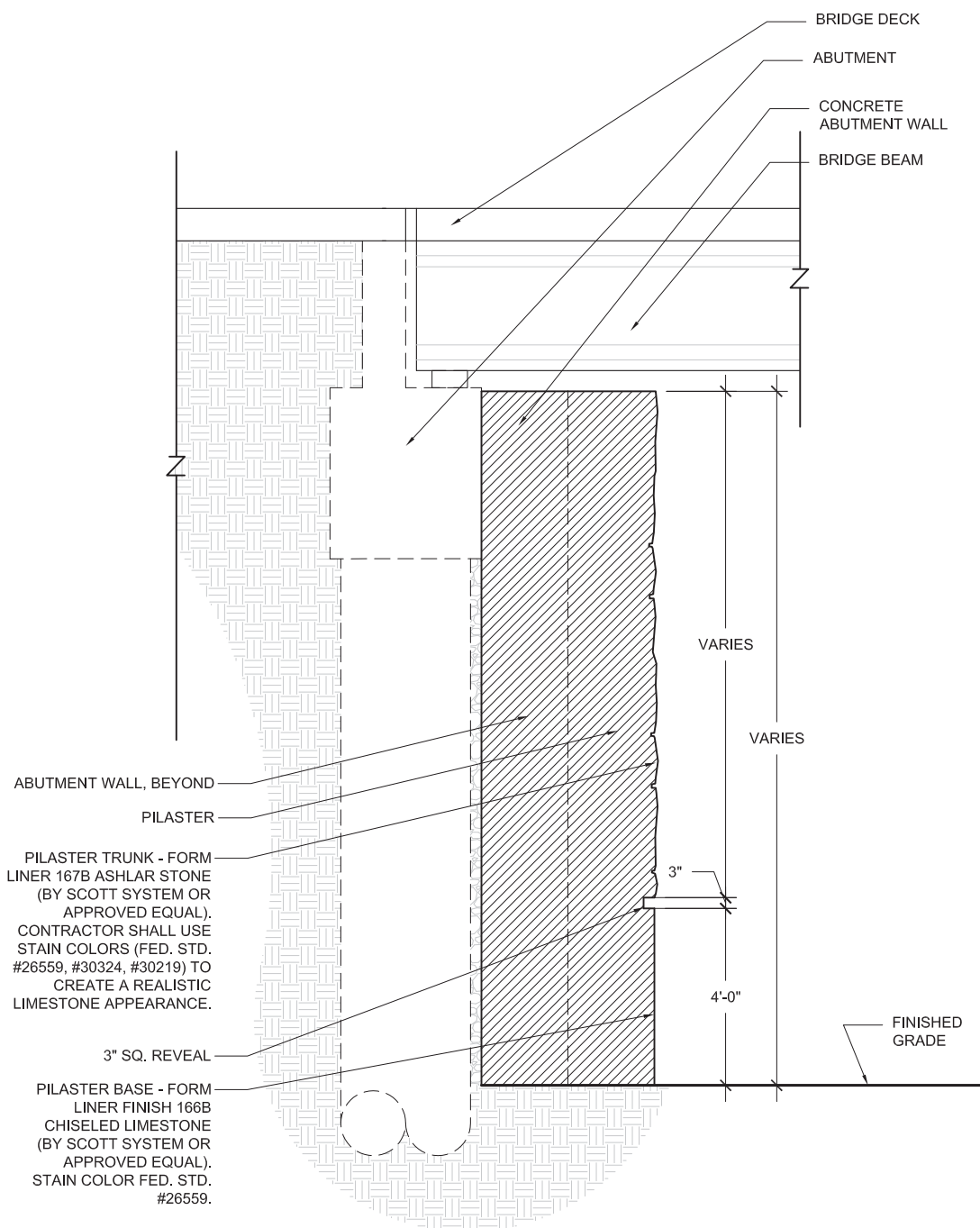
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

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# BRIDGE ABUTMENT WALLS & RIP RAP - PRESIDENTIAL BOULEVARD



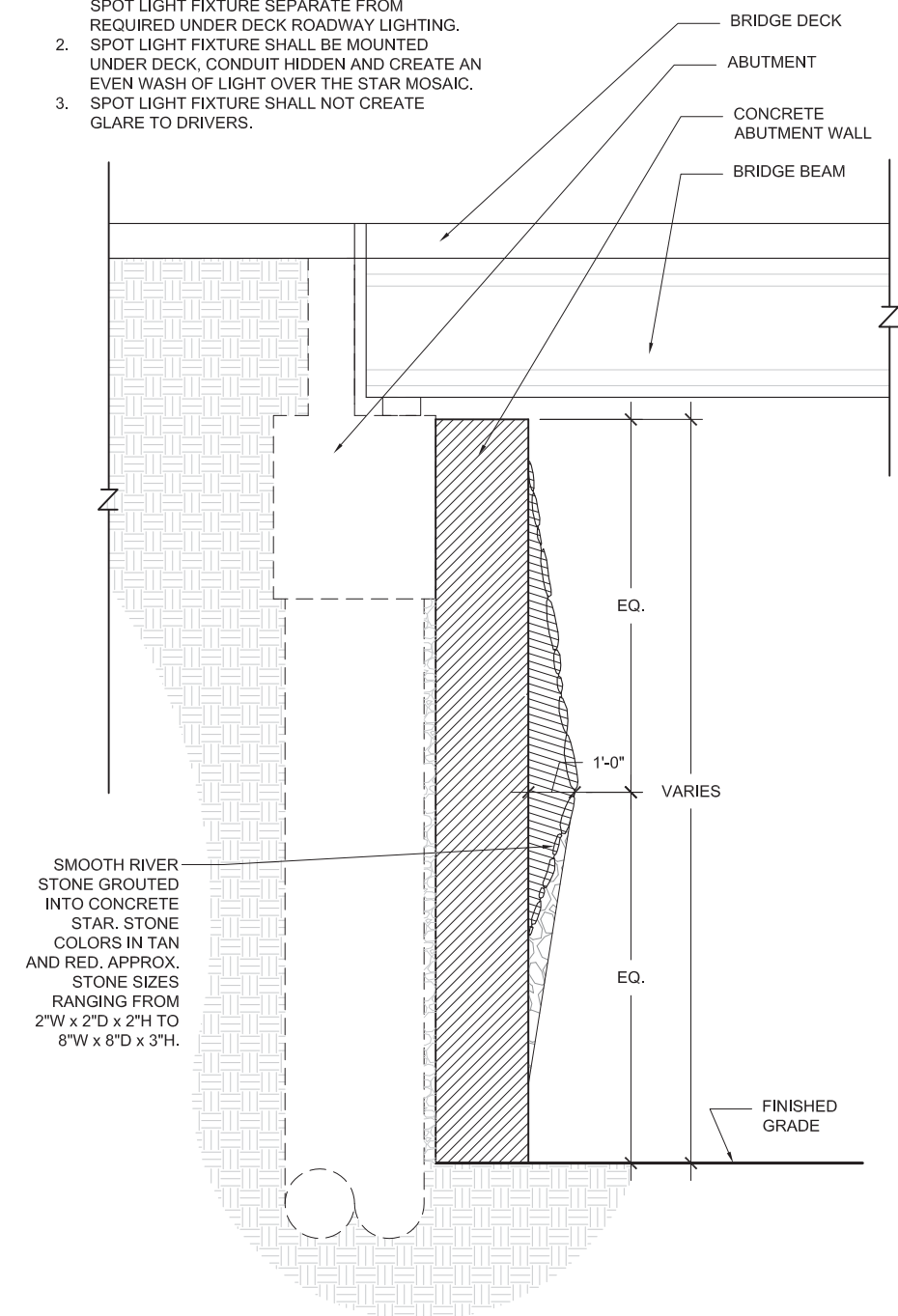
**1** ABUTMENT WALL SECTION  
SCALE: 1/4" = 1'-0"



**2** ABUTMENT WALL PILASTER SECTION  
SCALE: 1/4" = 1'-0"

**NOTES:**

1. STAR MOSAIC SHALL RECEIVE A DEDICATED SPOT LIGHT FIXTURE SEPARATE FROM REQUIRED UNDER DECK ROADWAY LIGHTING.
2. SPOT LIGHT FIXTURE SHALL BE MOUNTED UNDER DECK, CONDUIT HIDDEN AND CREATE AN EVEN WASH OF LIGHT OVER THE STAR MOSAIC.
3. SPOT LIGHT FIXTURE SHALL NOT CREATE GLARE TO DRIVERS.



**3** ABUTMENT AND STAR MOSAIC SECTION  
SCALE: 1/4" = 1'-0"

**NOTES:**

1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

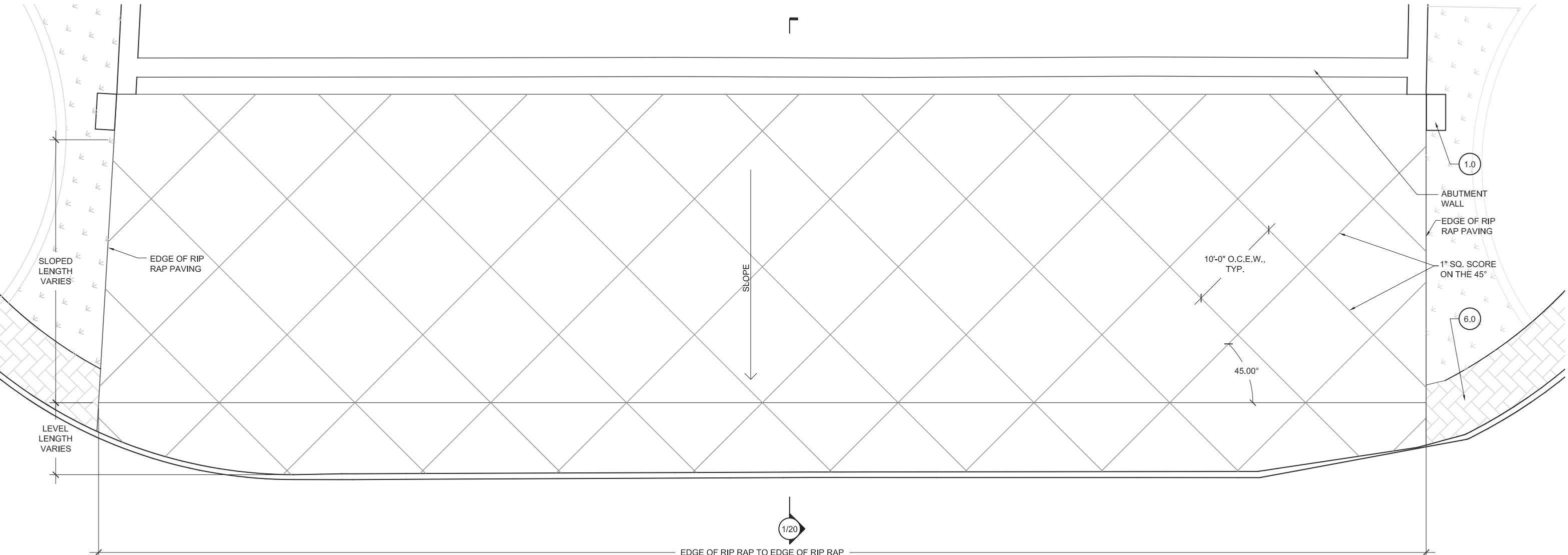
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REVISION



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NORTHWEST ABUTMENT AND SLOPED RIP RAP WALL PLAN

SCALE: 1" = 10'

NOTE:  
EXPANSION JOINTS SHALL BE CONSIDERED  
DURING FINAL DESIGN. THEY SHALL BE  
LOCATED AT REVEALS OR AT EDGES BETWEEN  
DIFFERENT ELEMENTS, SUCH AS PILASTERS  
AND RETAINING WALL PANELS, WHENEVER  
POSSIBLE.

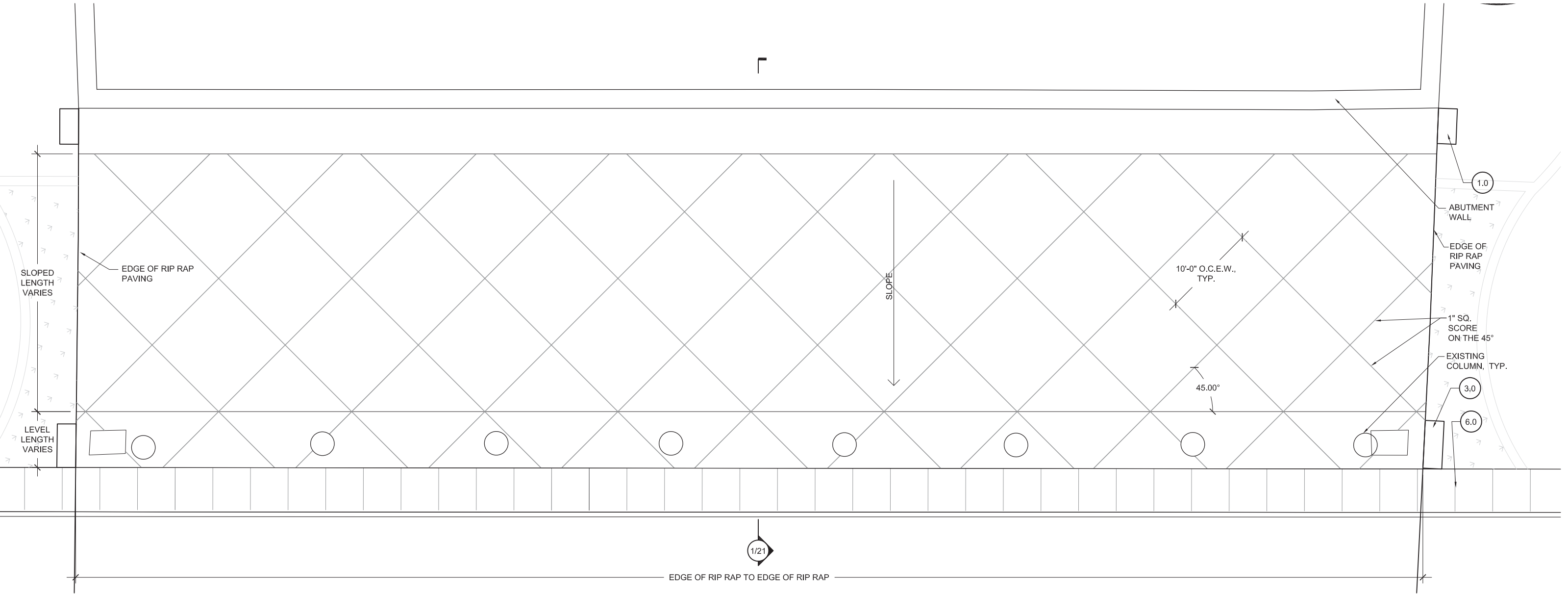
- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

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BRIDGE ABUTMENT WALLS & RIP RAP - SPIRIT OF TEXAS DRIVE



SOUTHEAST ABUTMENT AND SLOPED RIP RAP WALL PLAN

SCALE: 1" = 10'

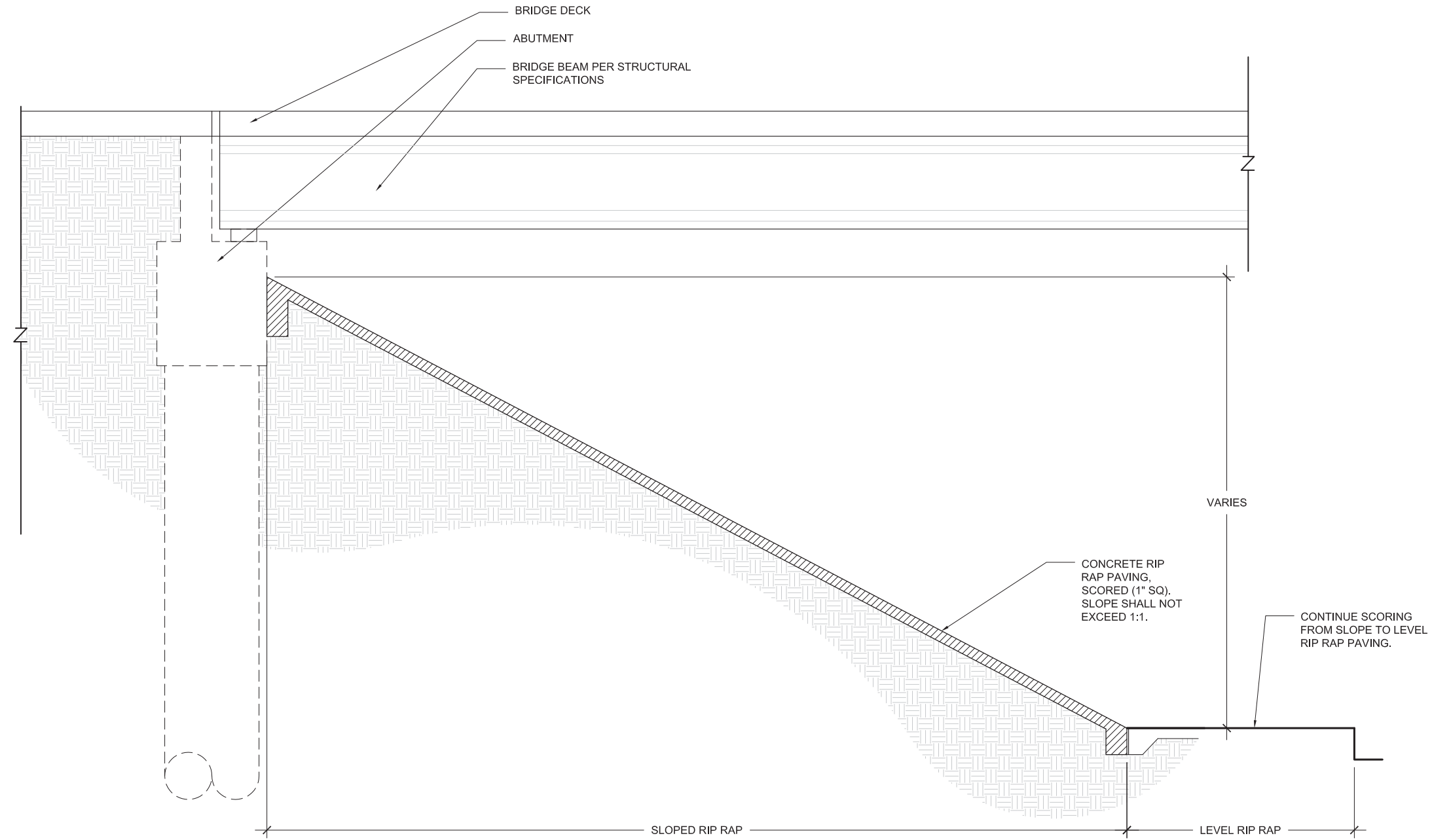
NOTE:  
EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

- |  |                                    |                                       |                                    |
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1 ABUTMENT AND SLOPED RIP RAP WALL SECTION  
SCALE: 1" = 10'

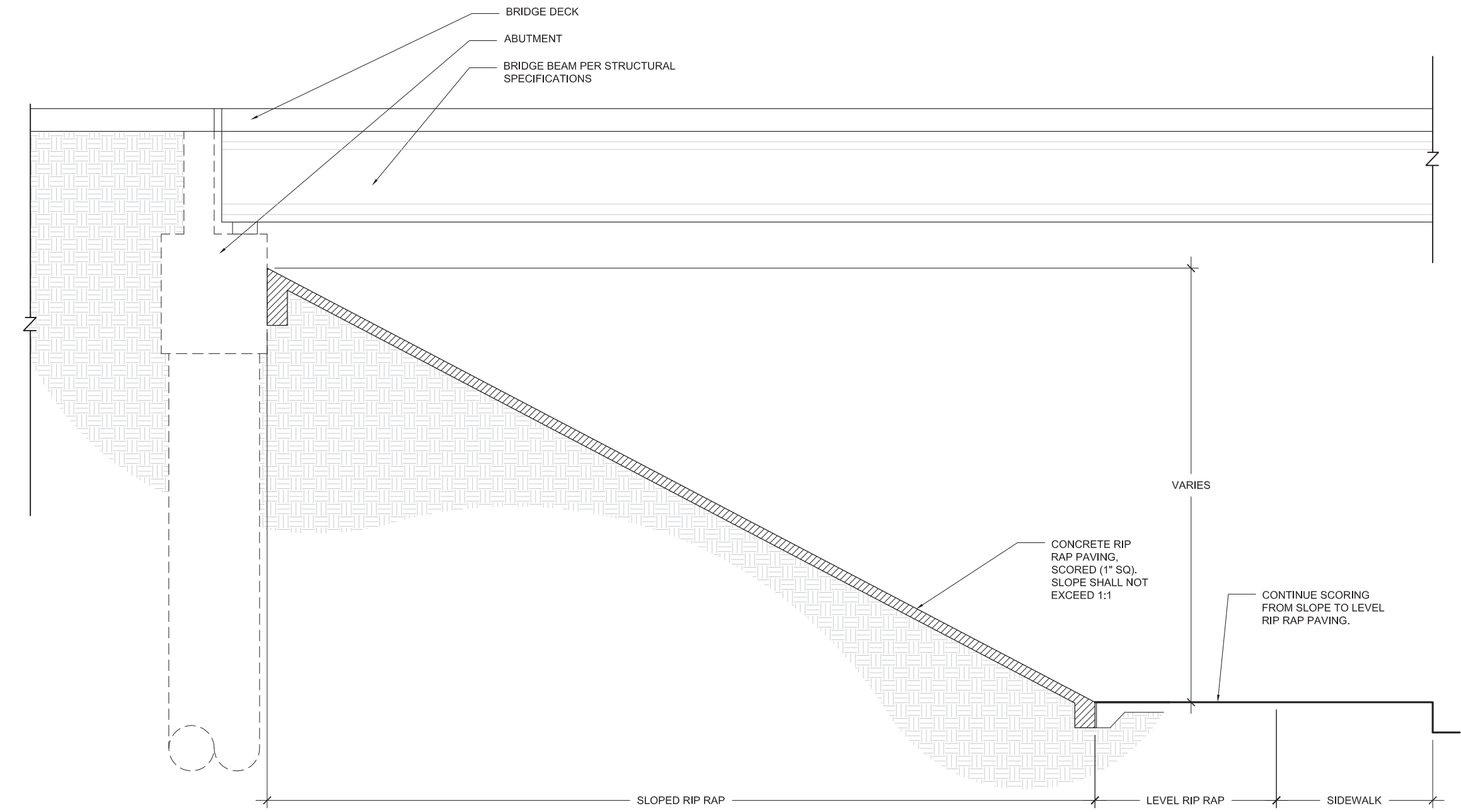
NOTE:  
EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

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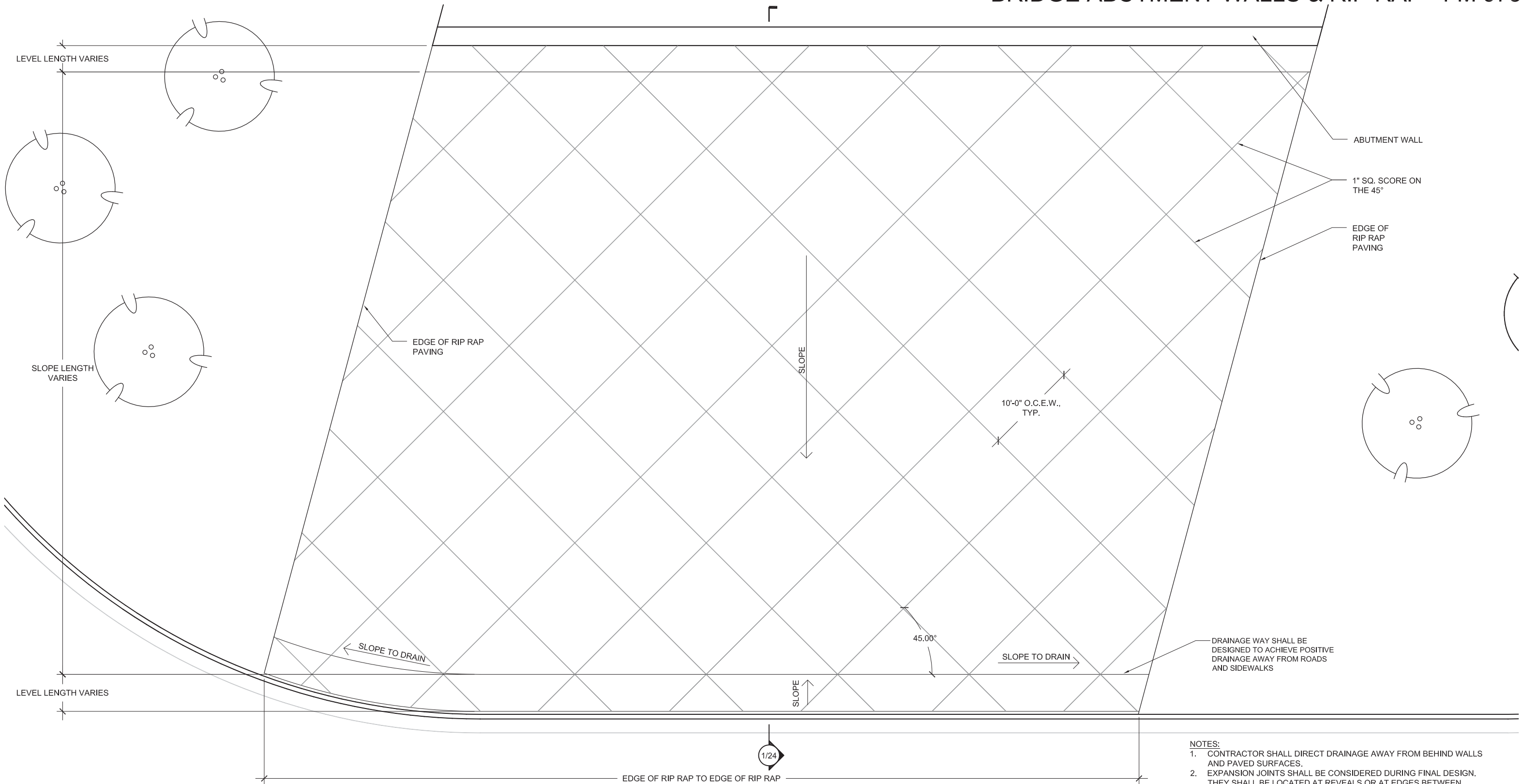
1 ABUTMENT AND SLOPED RIP RAP WALL SECTION  
SCALE: 1" = 10'

NOTE:  
EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

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NORTHWEST ABUTMENT AND SLOPED RIP RAP WALL PLAN

SCALE: 1" = 10'

1.0 RETAINING WALLS & PILASTERS - Sheets 6-11

3.0 PYLONS - Sheets 25-30

5.0 LIGHTING STANDARDS - Sheets 33-36

7.0 LANDSCAPE - Sheets 47-63

2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24

4.0 SIGN STRUCTURES - Sheets 31-32

6.0 PAVING/ HARDSCAPE - Sheets 37-46

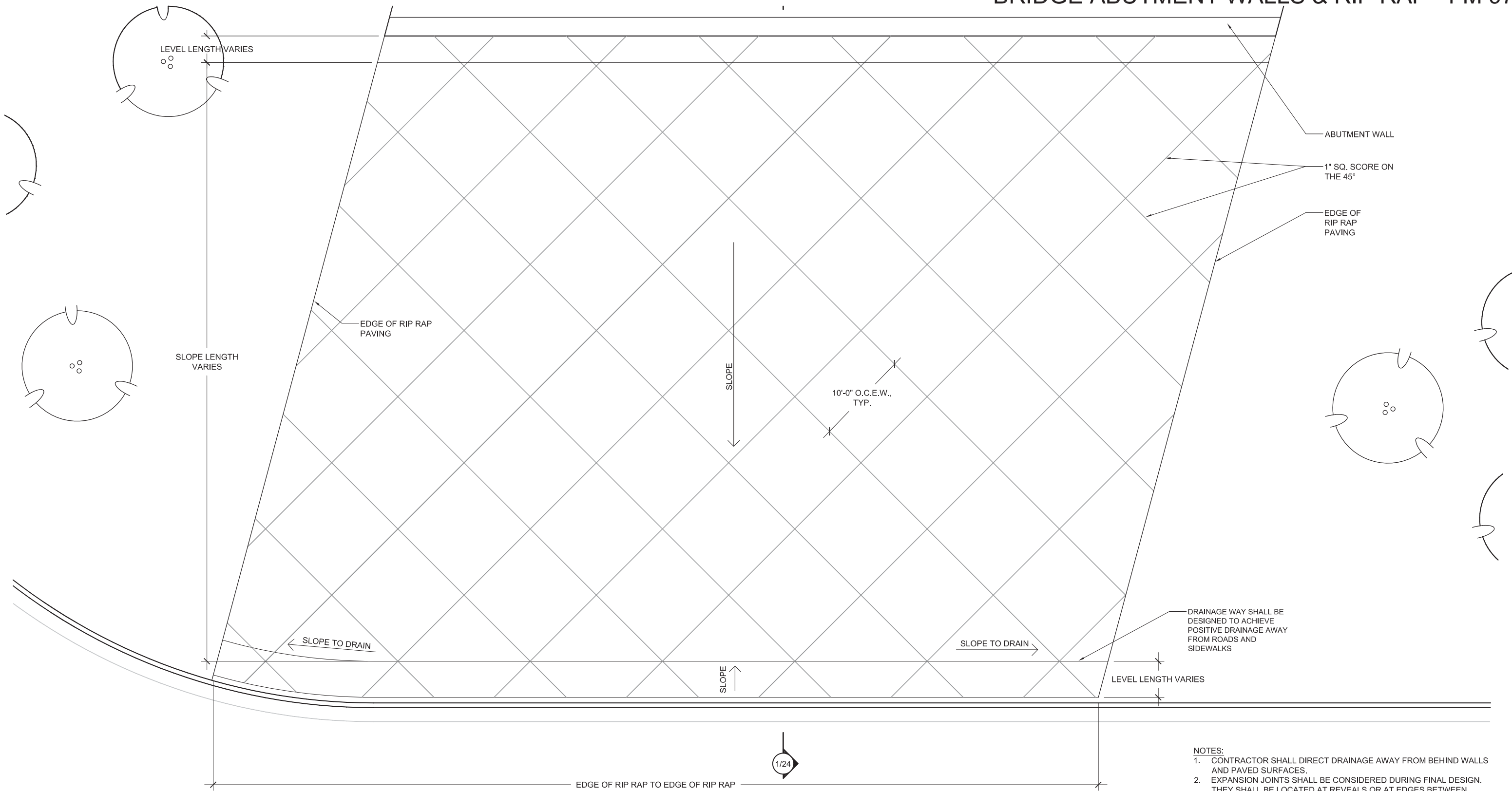
8.0 FINISH SCHEDULE - Sheets 64-65

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



REVISION 2

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SOUTHEAST ABUTMENT AND SLOPED RIP RAP WALL PLAN

SCALE: 1" = 10'

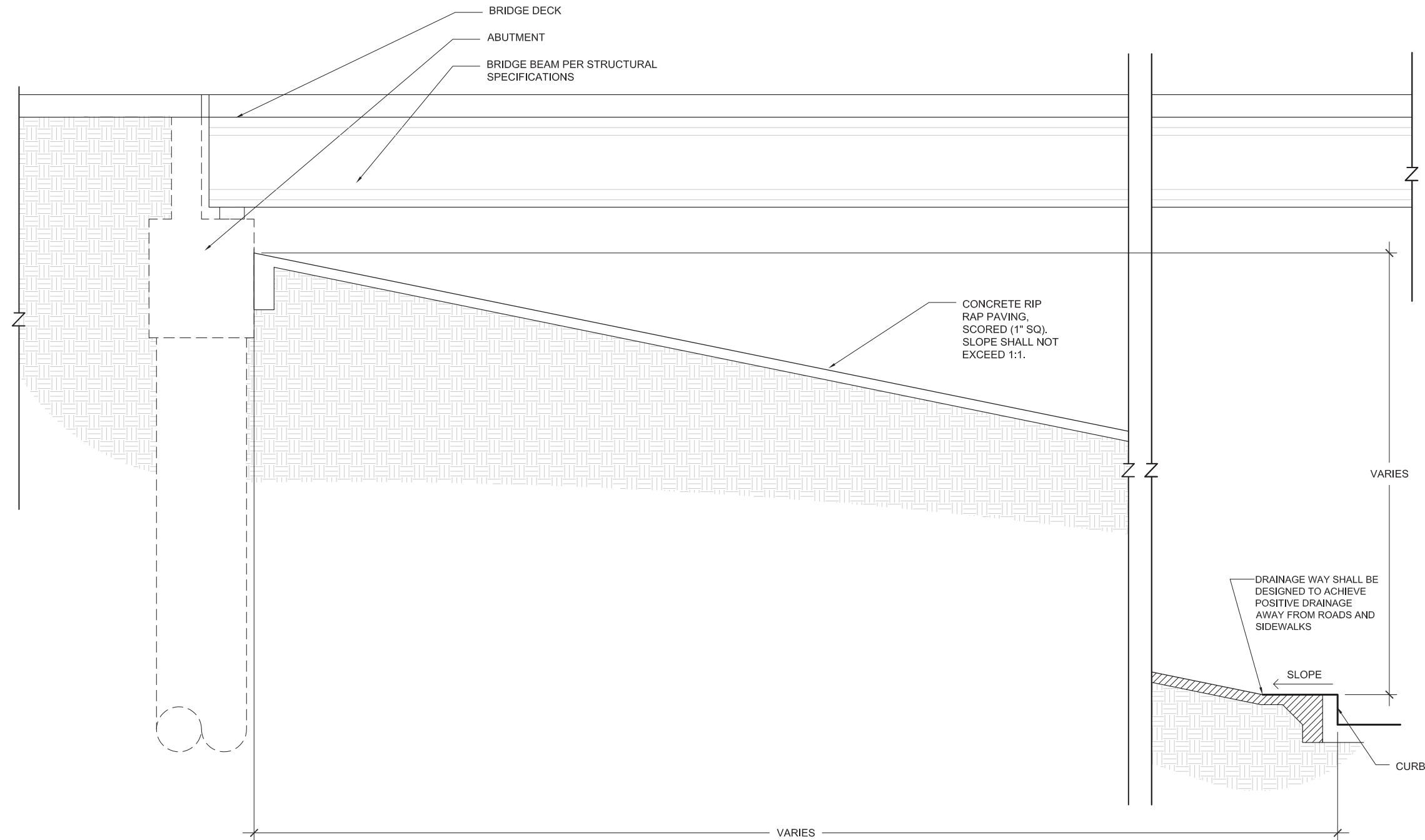
- NOTES:
1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
  2. EXPANSION JOINTS SHALL BE CONSIDERED DURING FINAL DESIGN. THEY SHALL BE LOCATED AT REVEALS OR AT EDGES BETWEEN DIFFERENT ELEMENTS, SUCH AS PILASTERS AND RETAINING WALL PANELS, WHENEVER POSSIBLE.

- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
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**1** ABUTMENT AND SLOPED RIP RAP WALL SECTION  
SCALE: 1/4" = 1'-0"

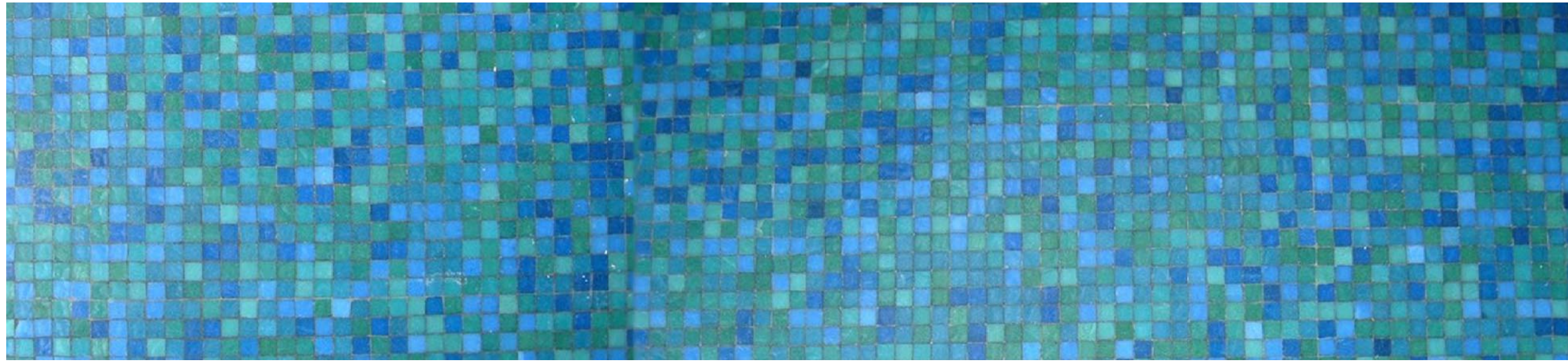
- NOTES:
- 1. CONTRACTOR SHALL DIRECT DRAINAGE AWAY FROM BEHIND WALLS AND PAVED SURFACES.
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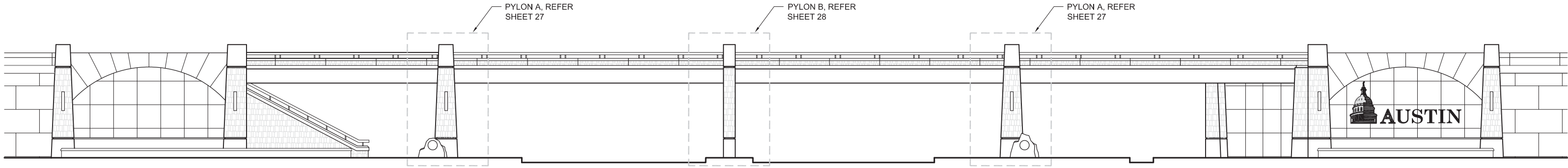


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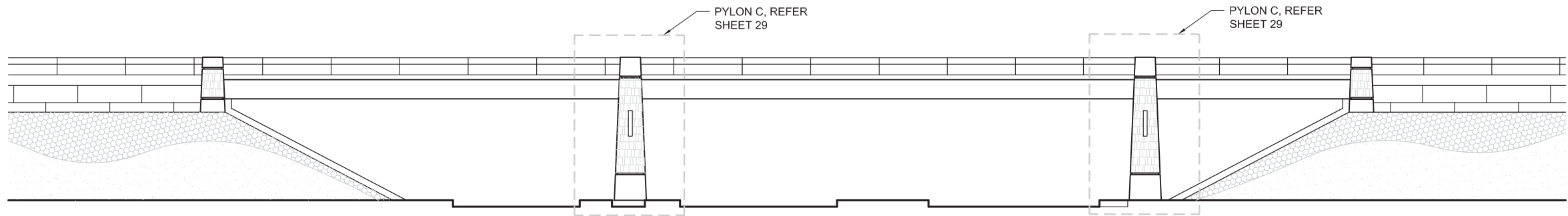




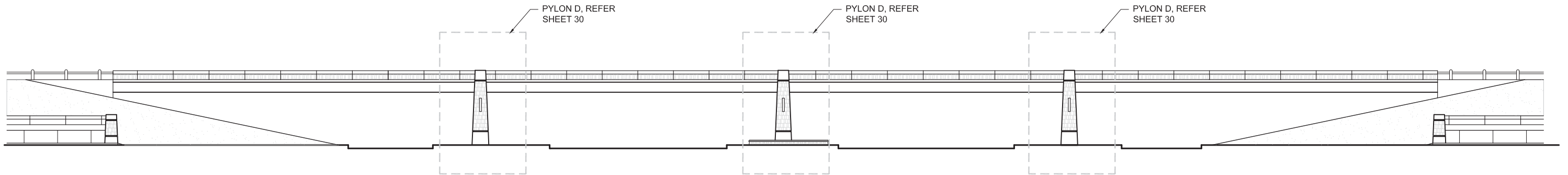
3.0 PYLONS



**1** PRESIDENTIAL BOULEVARD ELEVATION  
SCALE: 1" = 20'-0"



**2** SPIRIT OF TEXAS DRIVE ELEVATION  
SCALE: 1" = 20'-0"

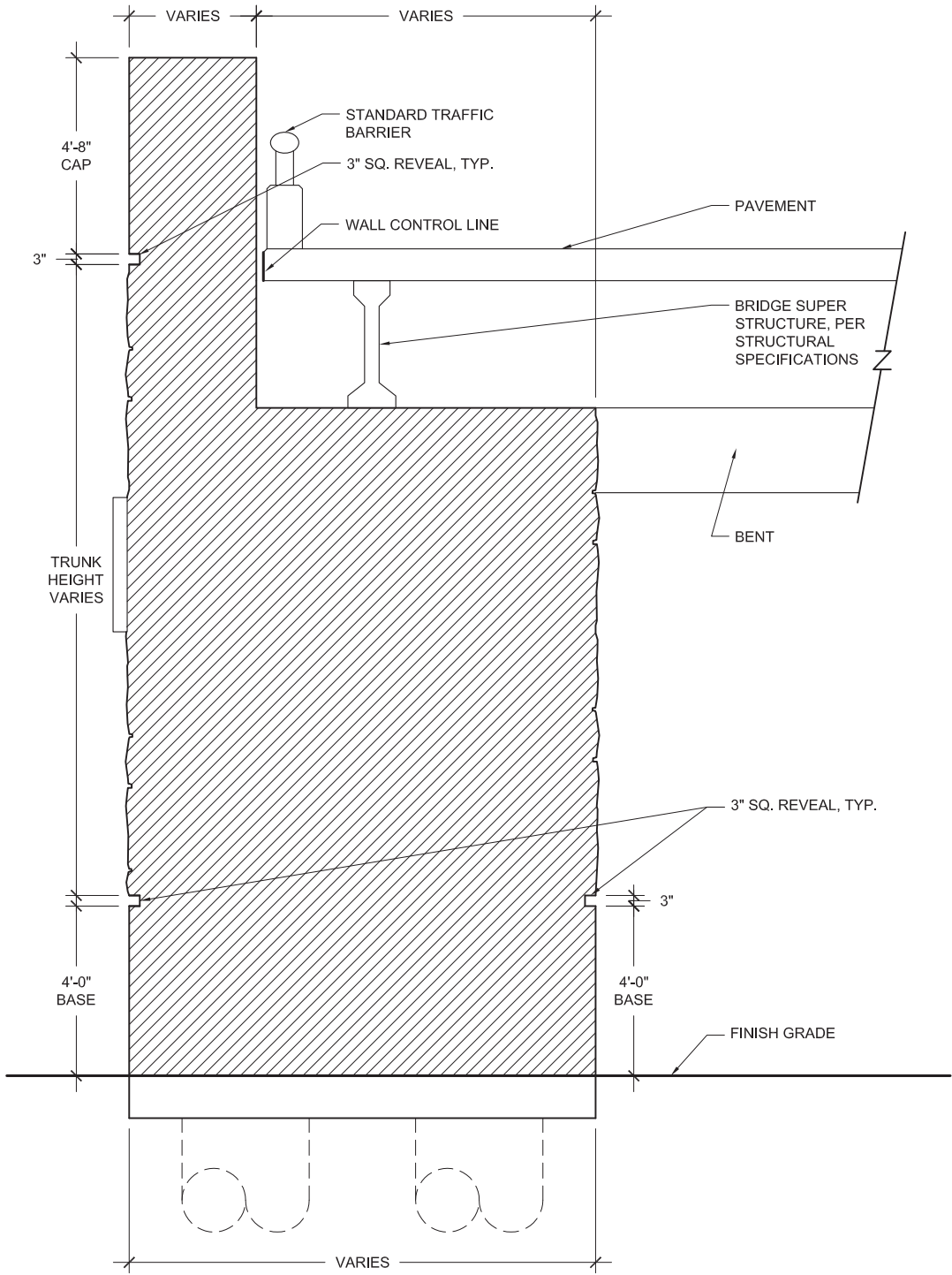
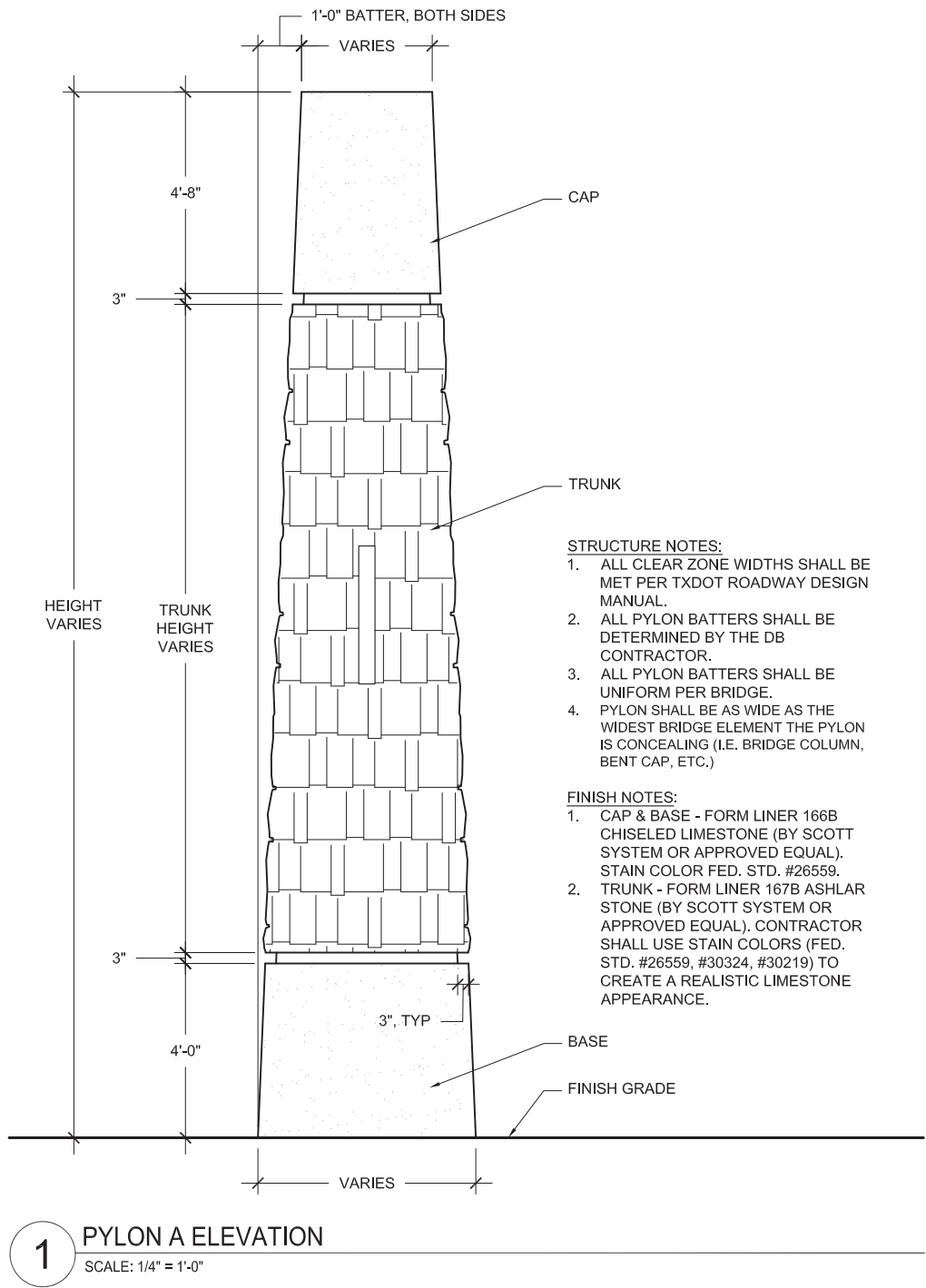


**3** FM 973 ELEVATION  
SCALE: 1" = 30'-0"

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

REVISION 

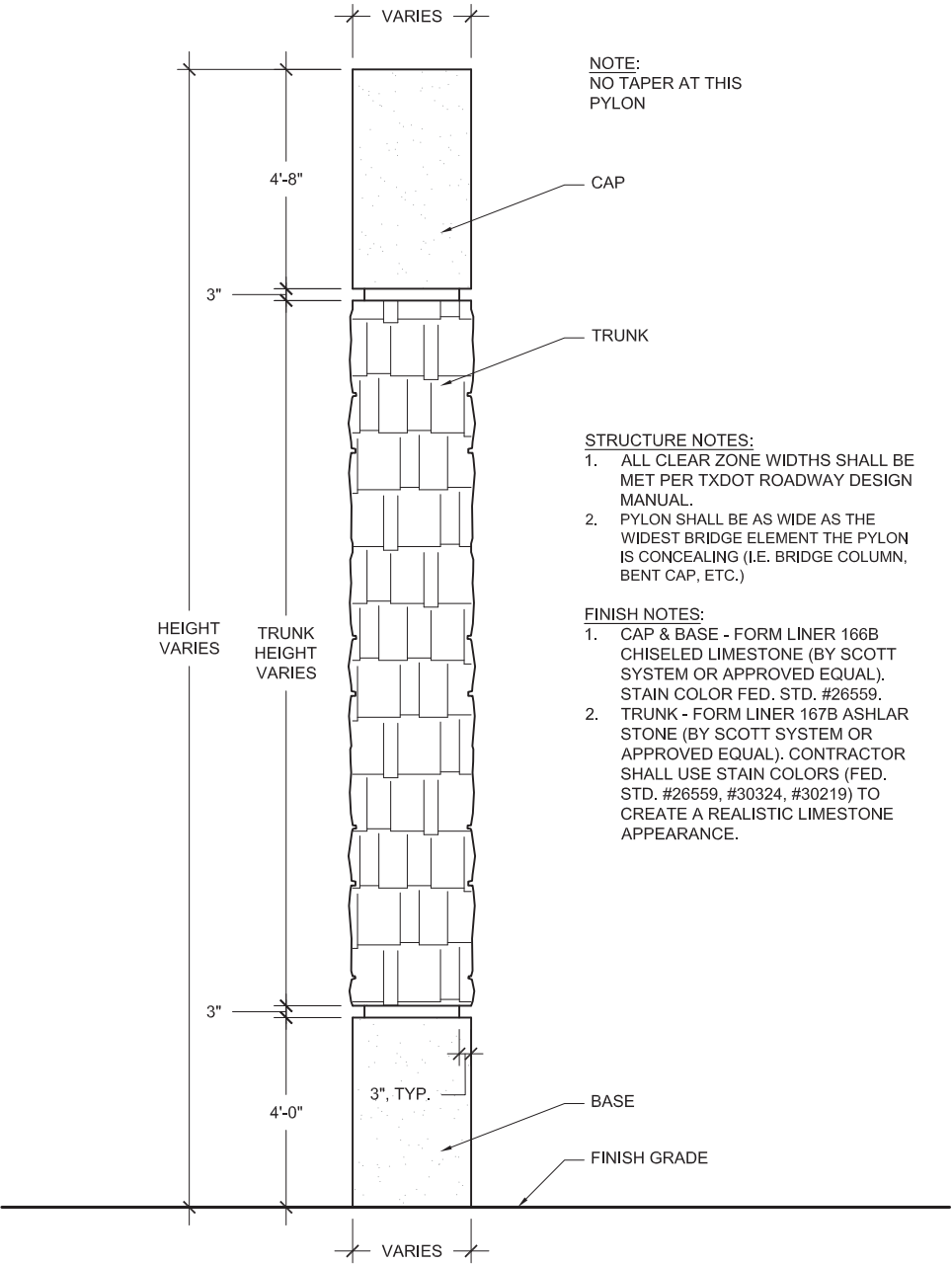




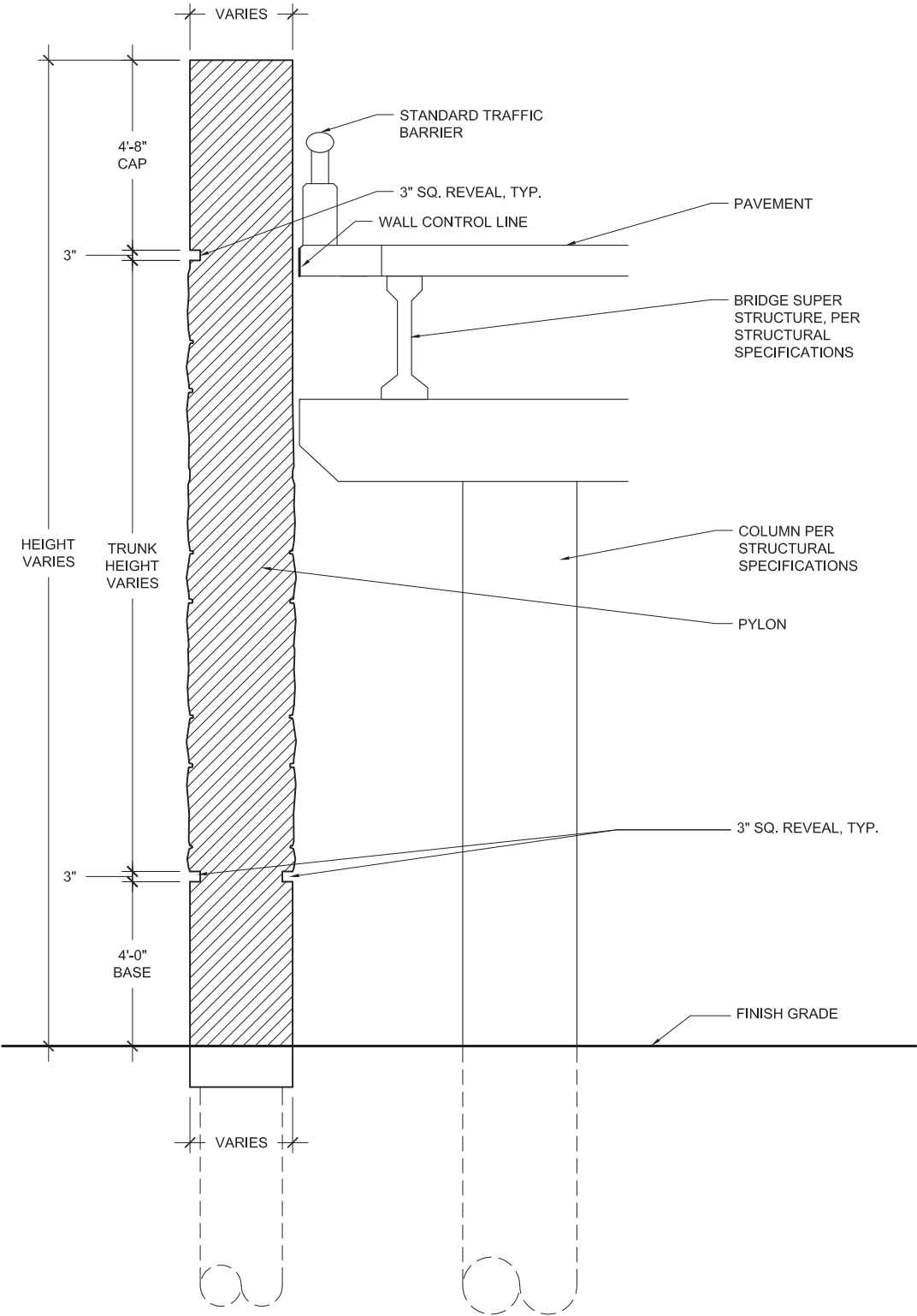
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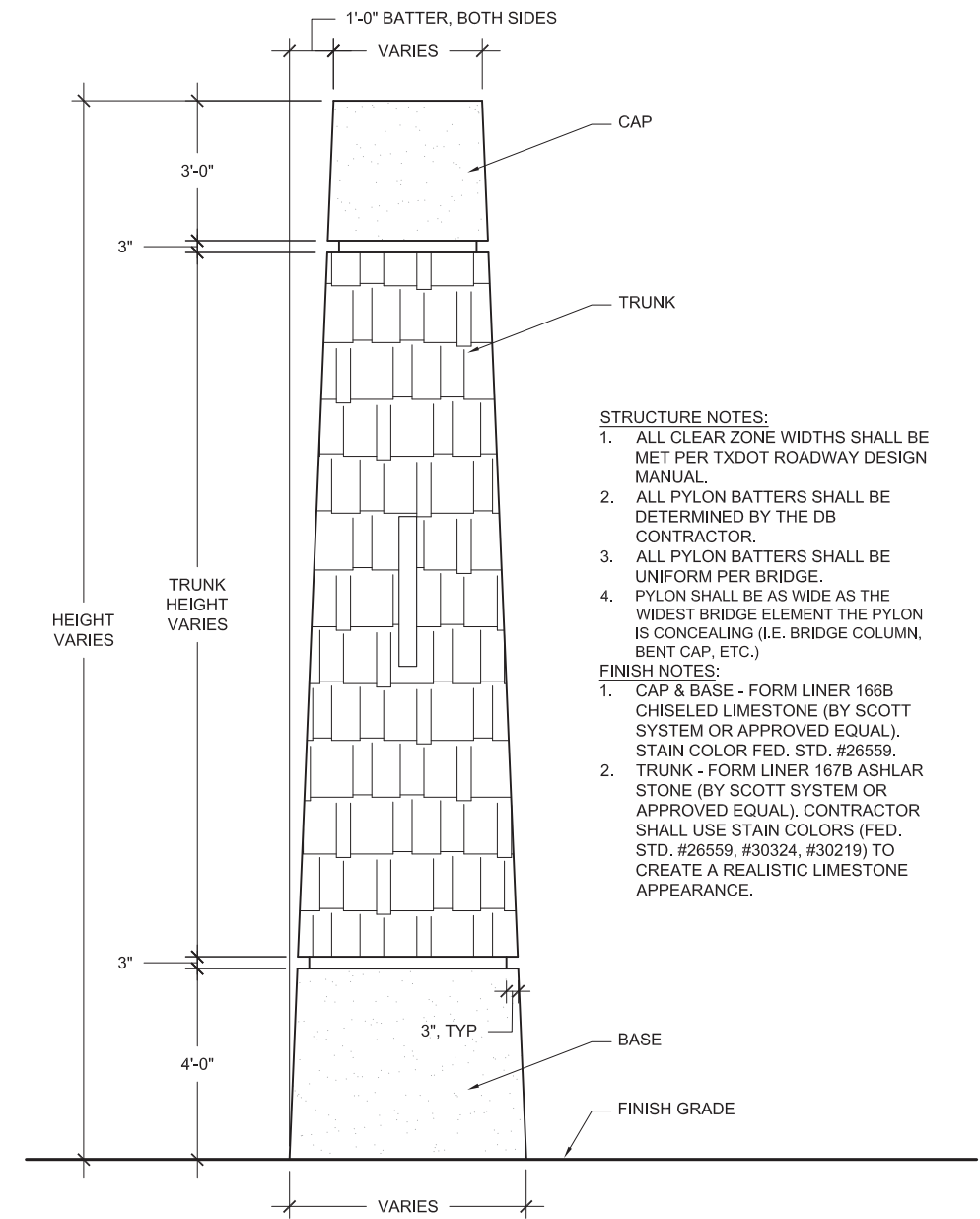


1 PYLON B ELEVATION  
SCALE: 1/4" = 1'-0"

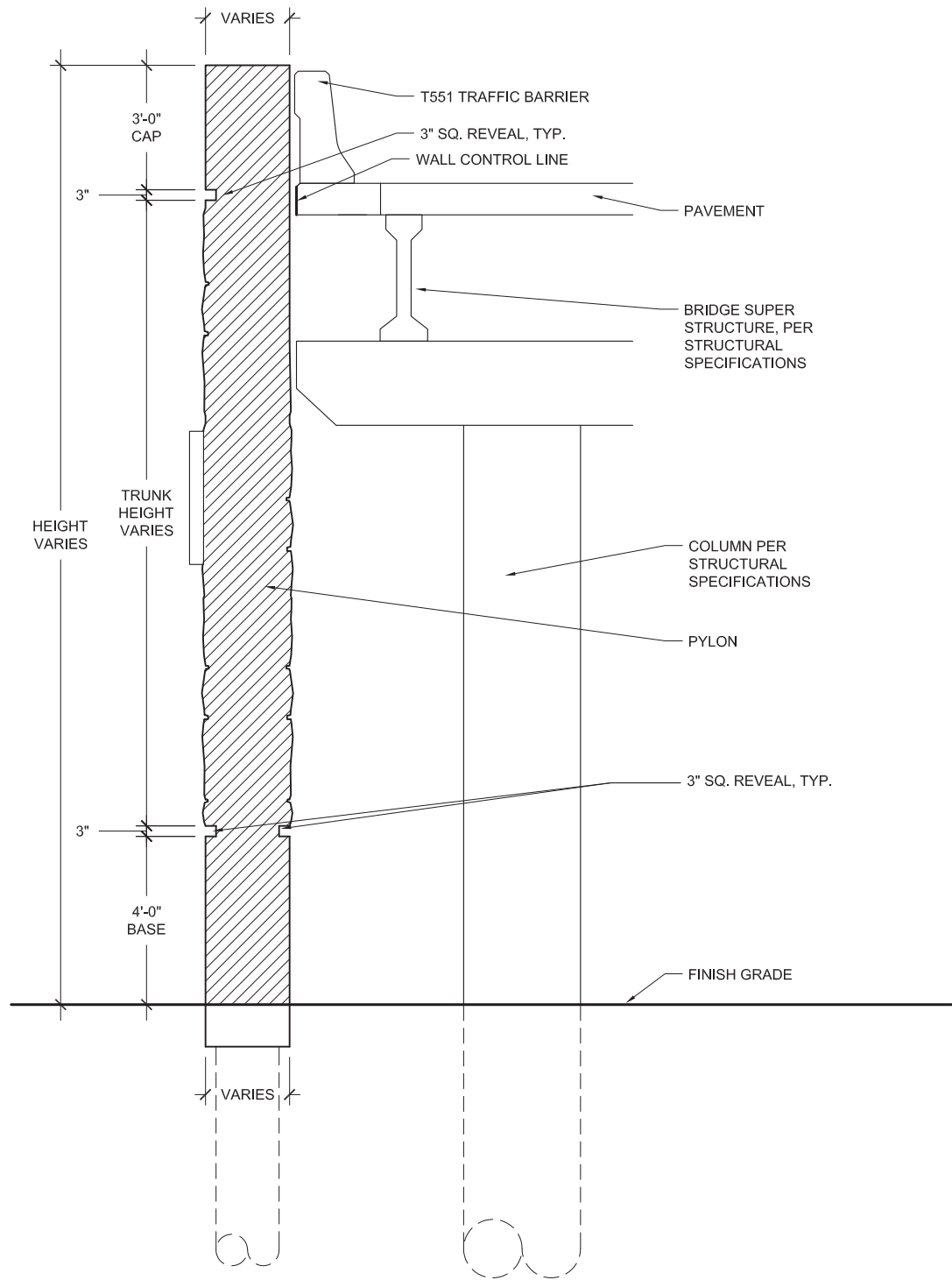


2 PYLON B SECTION  
SCALE: 1/4" = 1'-0"

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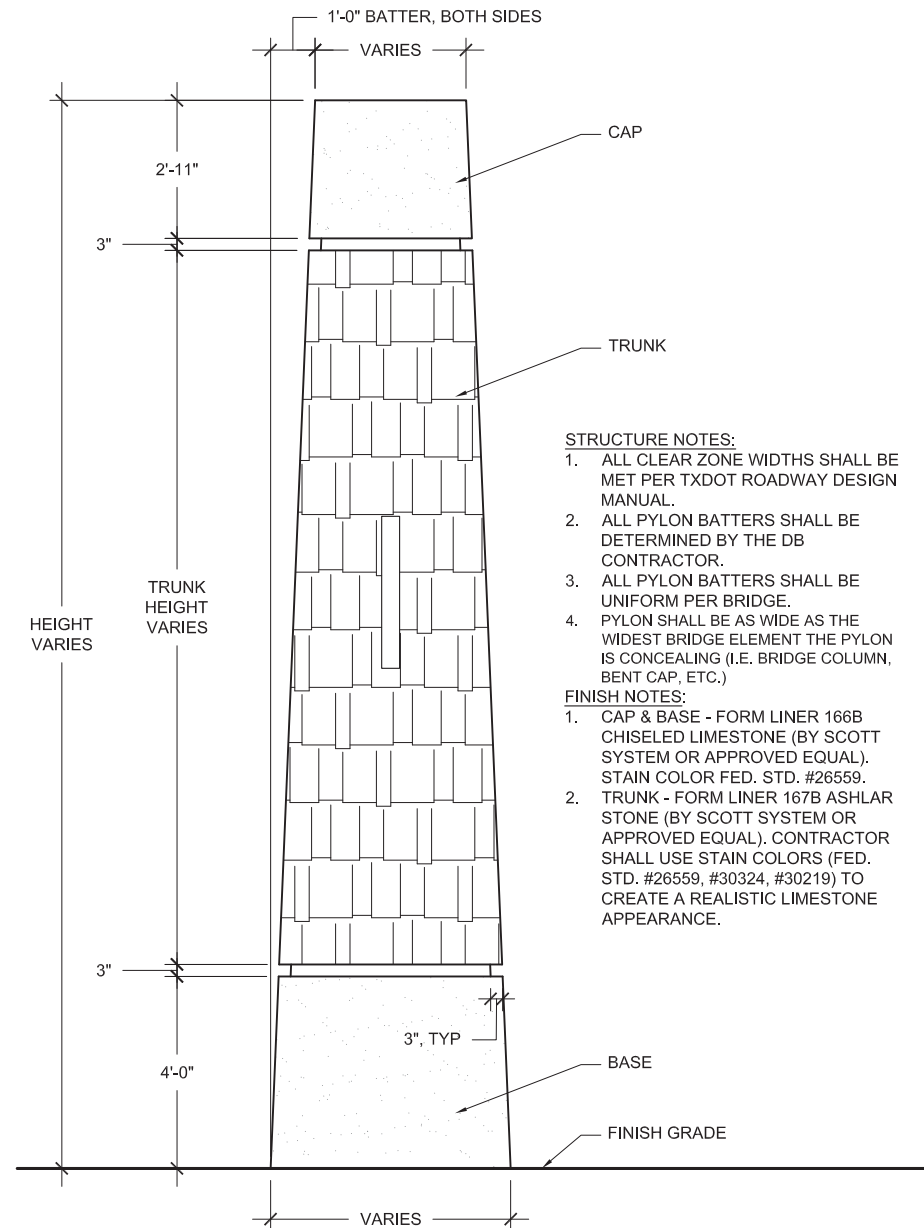
1 PYLON C ELEVATION  
SCALE: 1/4" = 1'-0"



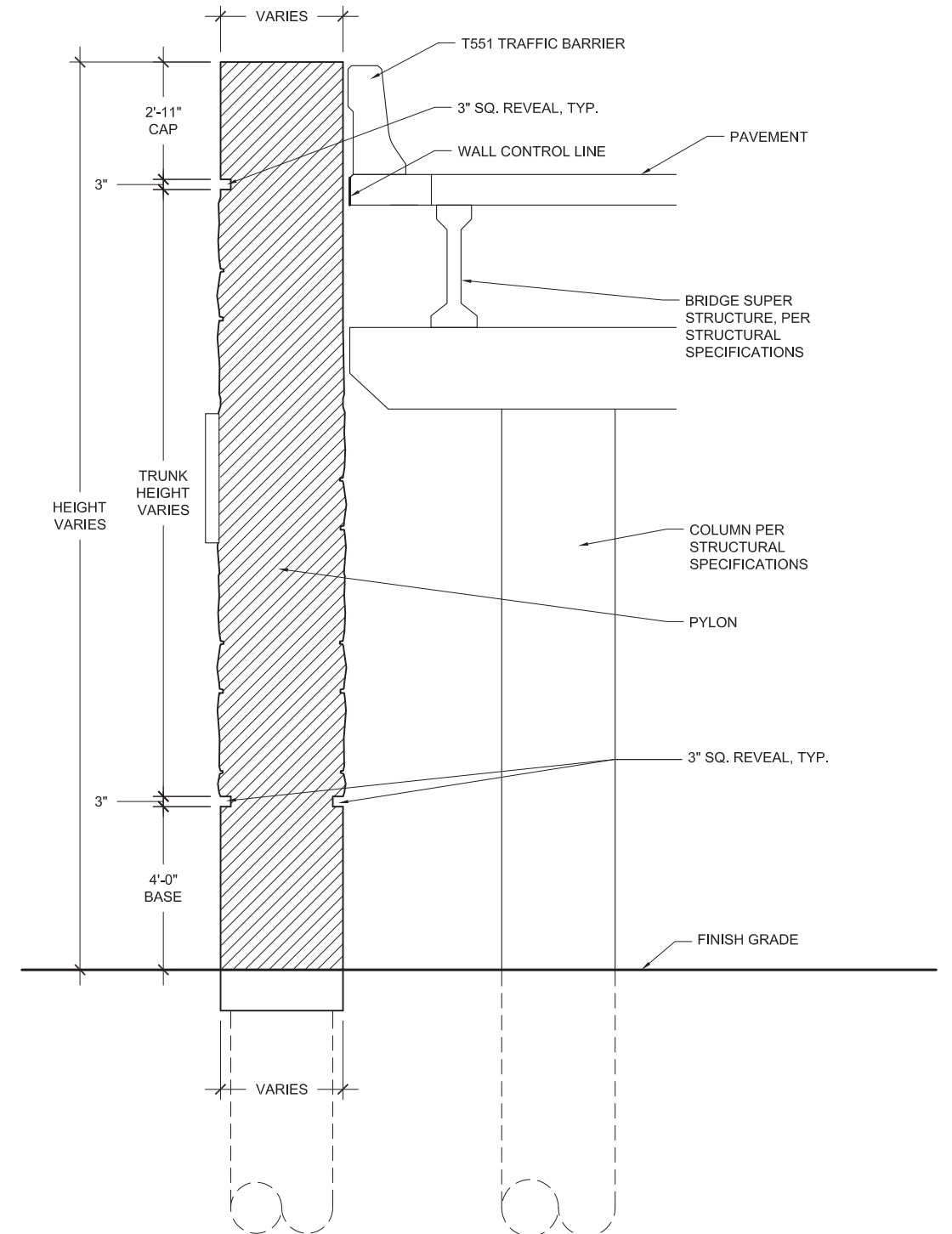
2 PYLON C SECTION  
SCALE: 1/4" = 1'-0"

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**1 PYLON D ELEVATION**  
SCALE: 1/4" = 1'-0"



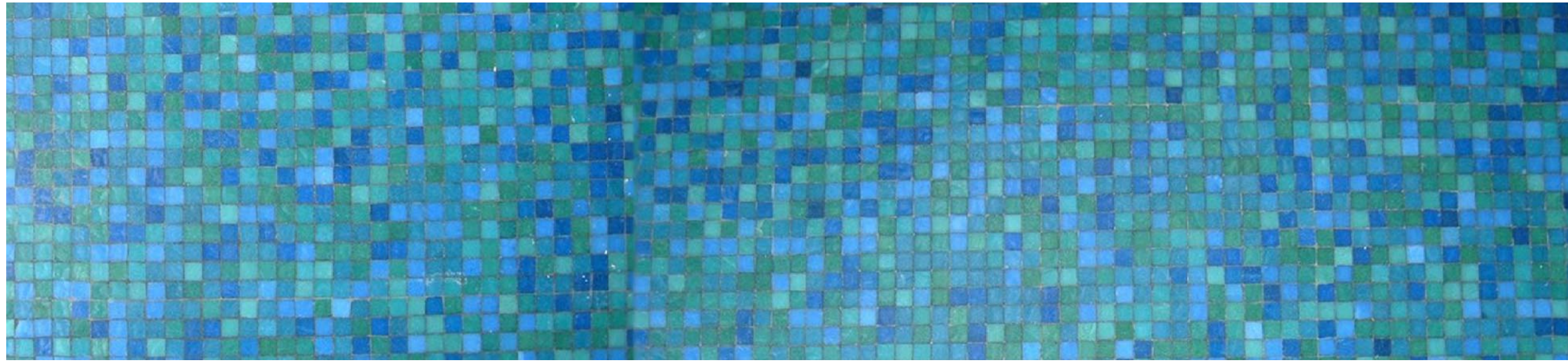
**2 PYLON D SECTION**  
SCALE: 1/4" = 1'-0"

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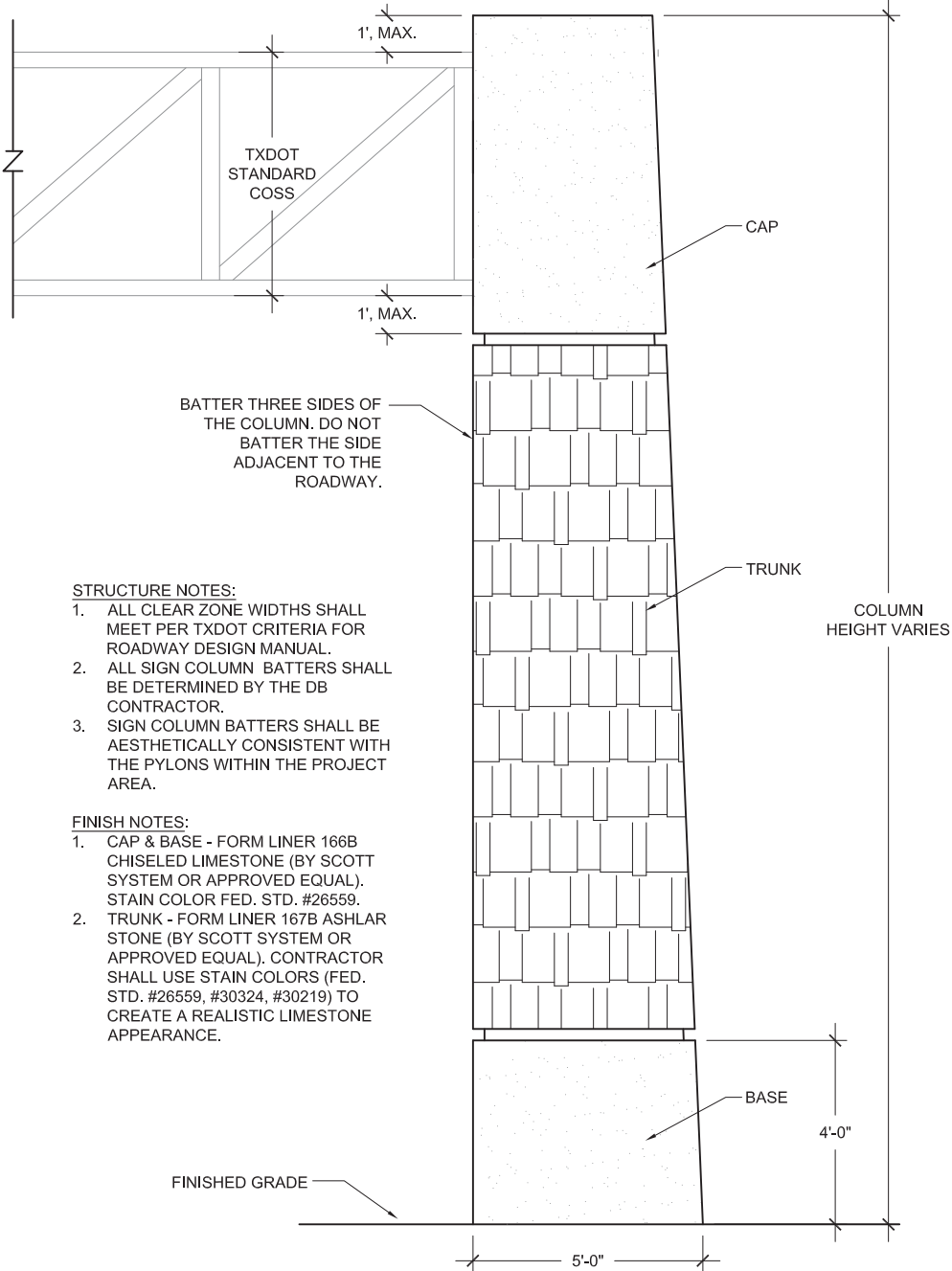
REVISION







## 4.0 SIGN STRUCTURES

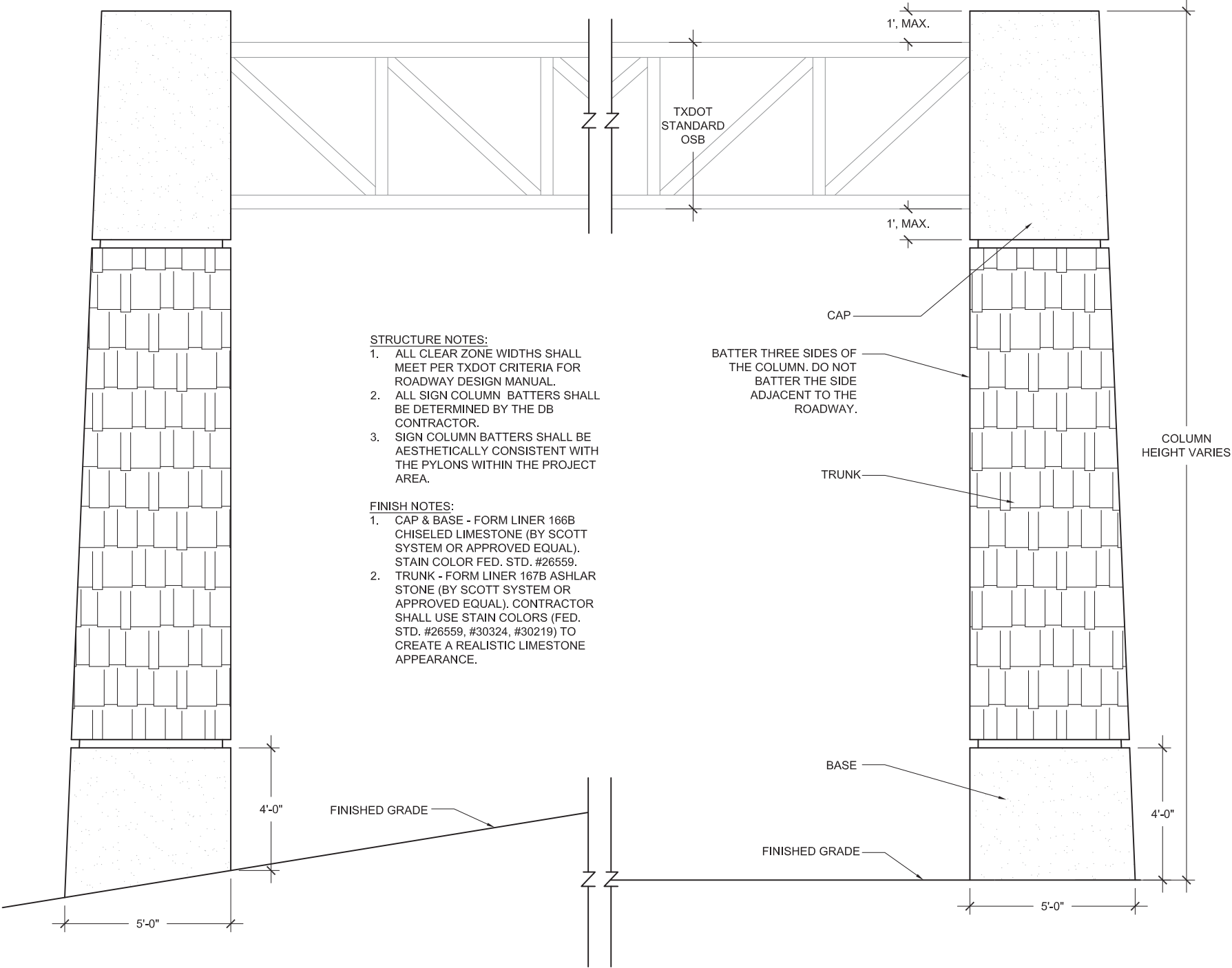


STRUCTURE NOTES:

1. ALL CLEAR ZONE WIDTHS SHALL MEET PER TXDOT CRITERIA FOR ROADWAY DESIGN MANUAL.
2. ALL SIGN COLUMN BATTERS SHALL BE DETERMINED BY THE DB CONTRACTOR.
3. SIGN COLUMN BATTERS SHALL BE AESTHETICALLY CONSISTENT WITH THE PYLONS WITHIN THE PROJECT AREA.

FINISH NOTES:

1. CAP & BASE - FORM LINER 166B CHISELED LIMESTONE (BY SCOTT SYSTEM OR APPROVED EQUAL). STAIN COLOR FED. STD. #26559.
2. TRUNK - FORM LINER 167B ASHLAR STONE (BY SCOTT SYSTEM OR APPROVED EQUAL). CONTRACTOR SHALL USE STAIN COLORS (FED. STD. #26559, #30324, #30219) TO CREATE A REALISTIC LIMESTONE APPEARANCE.



STRUCTURE NOTES:

1. ALL CLEAR ZONE WIDTHS SHALL MEET PER TXDOT CRITERIA FOR ROADWAY DESIGN MANUAL.
2. ALL SIGN COLUMN BATTERS SHALL BE DETERMINED BY THE DB CONTRACTOR.
3. SIGN COLUMN BATTERS SHALL BE AESTHETICALLY CONSISTENT WITH THE PYLONS WITHIN THE PROJECT AREA.

FINISH NOTES:

1. CAP & BASE - FORM LINER 166B CHISELED LIMESTONE (BY SCOTT SYSTEM OR APPROVED EQUAL). STAIN COLOR FED. STD. #26559.
2. TRUNK - FORM LINER 167B ASHLAR STONE (BY SCOTT SYSTEM OR APPROVED EQUAL). CONTRACTOR SHALL USE STAIN COLORS (FED. STD. #26559, #30324, #30219) TO CREATE A REALISTIC LIMESTONE APPEARANCE.

1 CUSTOM COSS SIGN COLUMN  
SCALE: 1/4" = 1'-0"

2 CUSTOM OSB SIGN COLUMN  
SCALE: 1/4" = 1'-0"

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

REVISION

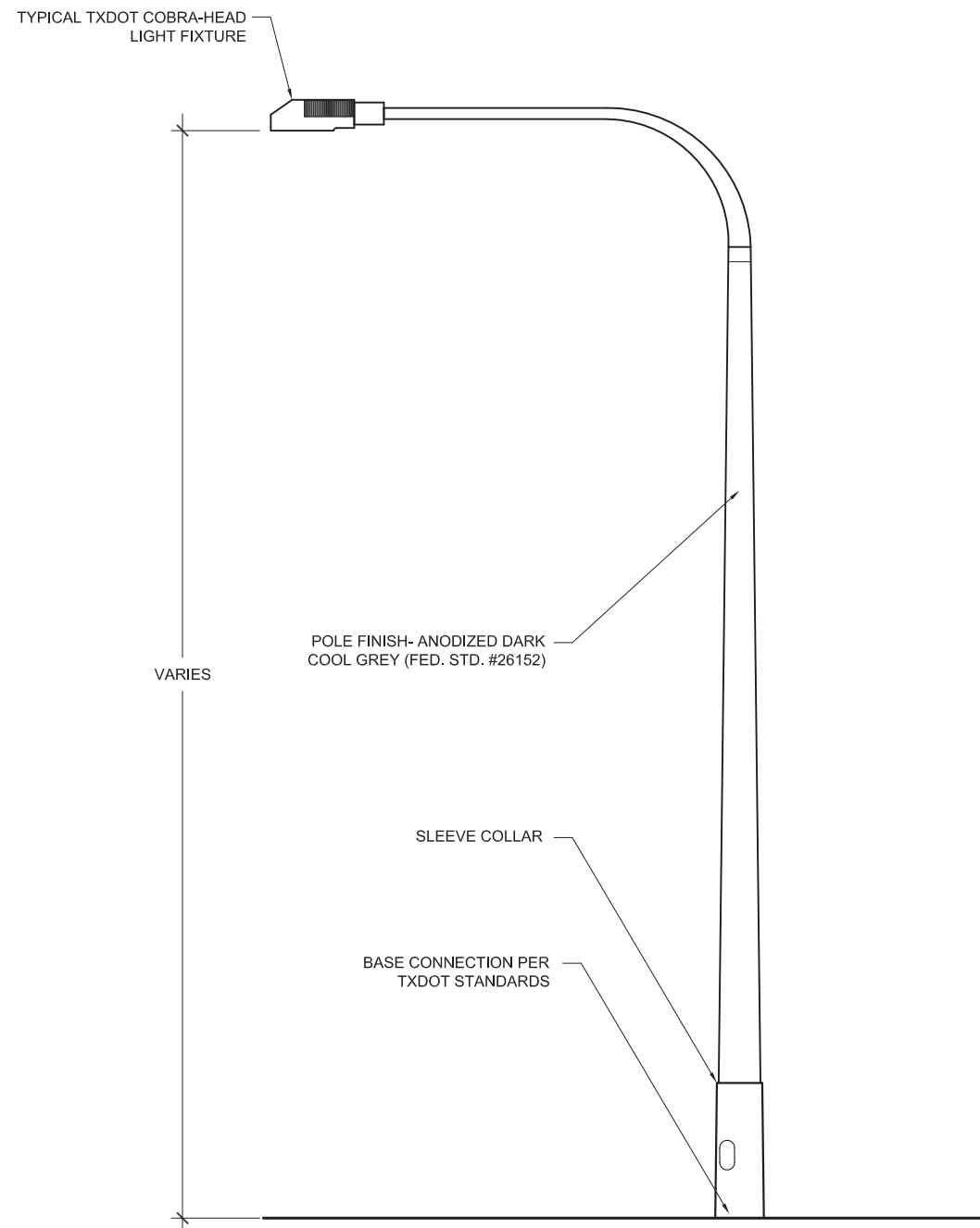


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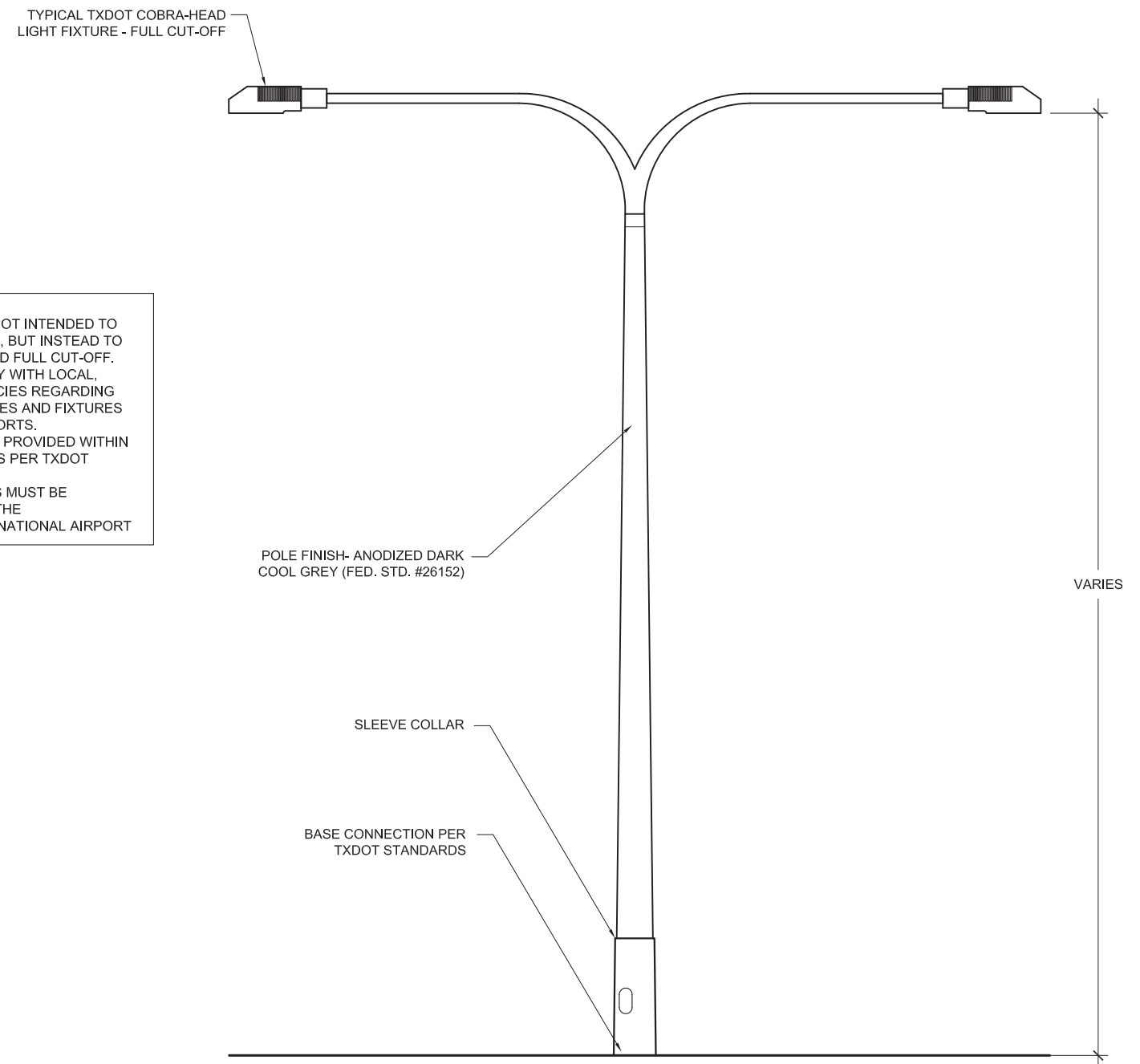




## 5.0 LIGHTING STANDARDS



**1** SINGLE DAVIT STYLE HORIZONTAL ARM W/ POLE  
SCALE: 1/4" = 1'-0"



**2** DOUBLE DAVIT STYLE HORIZONTAL ARM W/ POLE  
SCALE: 1/4" = 1'-0"

- NOTES:**
1. DEPICTION OF POLES ARE NOT INTENDED TO INDICATE FURNISHING TYPE, BUT INSTEAD TO SHOW FINISH AND REQUIRED FULL CUT-OFF.
  2. CONTRACTOR SHALL VERIFY WITH LOCAL, STATE AND FEDERAL AGENCIES REGARDING THE HEIGHTS OF LIGHT POLES AND FIXTURES WITHIN PROXIMITY TO AIRPORTS.
  3. SAFETY LIGHTING SHALL BE PROVIDED WITHIN THE ENTIRE PROJECT LIMITS PER TXDOT STANDARDS.
  4. LIGHT FIXTURES AND POLES MUST BE APPROVED BY TXDOT AND THE AUSTIN-BERGSTROM INTERNATIONAL AIRPORT

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

REVISION

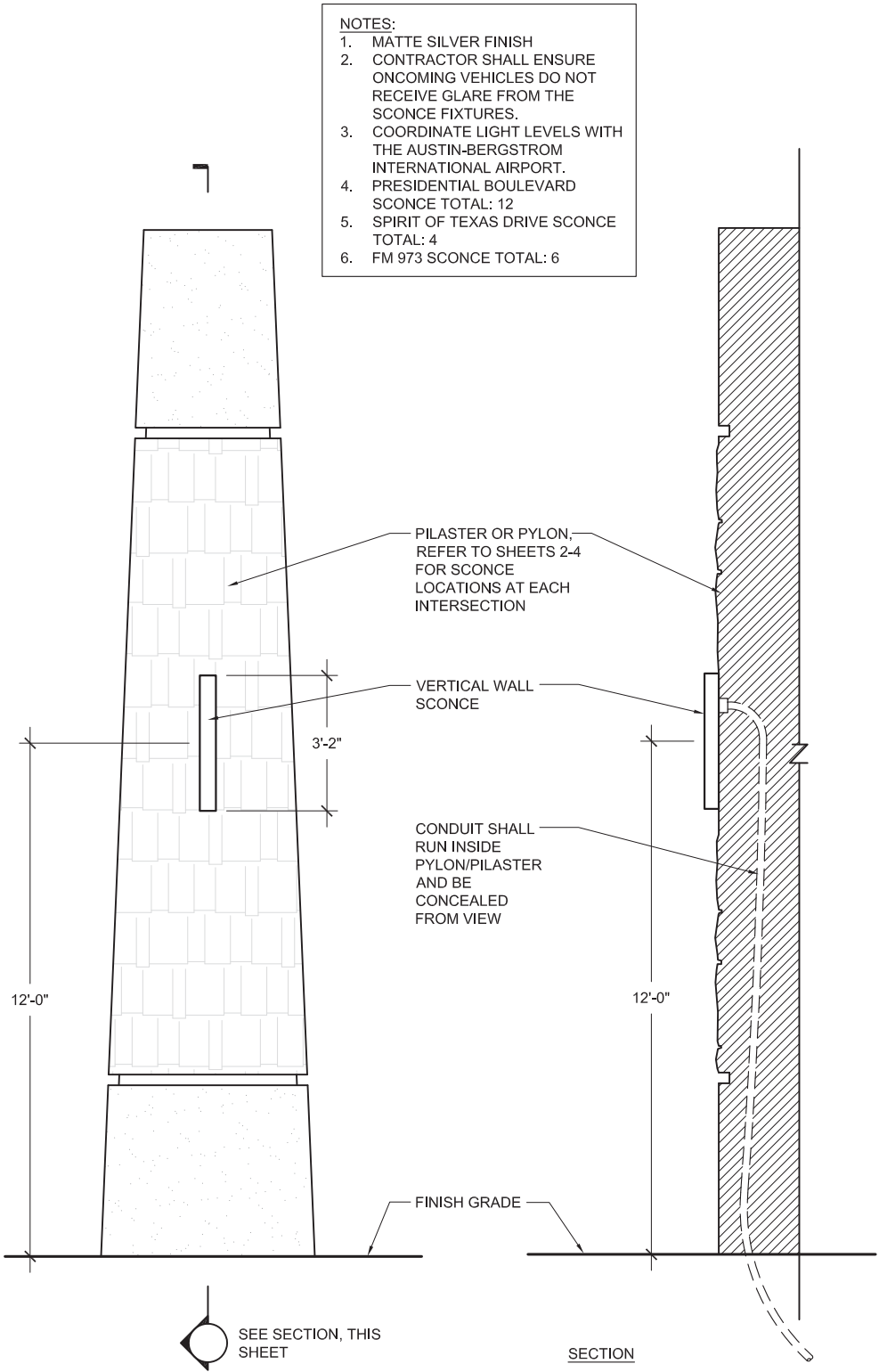






- NOTES:
1. BOLLARD LIGHTING SHALL MAINTAIN A MINIMUM AVERAGE OF .2 FOOTCANDLES ALONG THE SHARED USE PATH. CONTRACTOR SHALL OBTAIN AUSTIN-BERGSTROM INTERNATIONAL AIRPORT APPROVAL FOR ALL LIGHTING LEVELS.
  2. BOLLARD SHALL BE FULL CUT OFF.
  3. NUMBER OF UNITS SHALL DEPEND ON STATE, FEDERAL AND AVIATION LIGHTING REQUIREMENTS FOR PEDESTRIAN AND BICYCLE SHARED USED PATHS AND MANUFACTURER RECOMMENDATIONS.

1 SHARED USE PATH - TYPICAL LIT BOLLARD  
SCALE: NOT TO SCALE



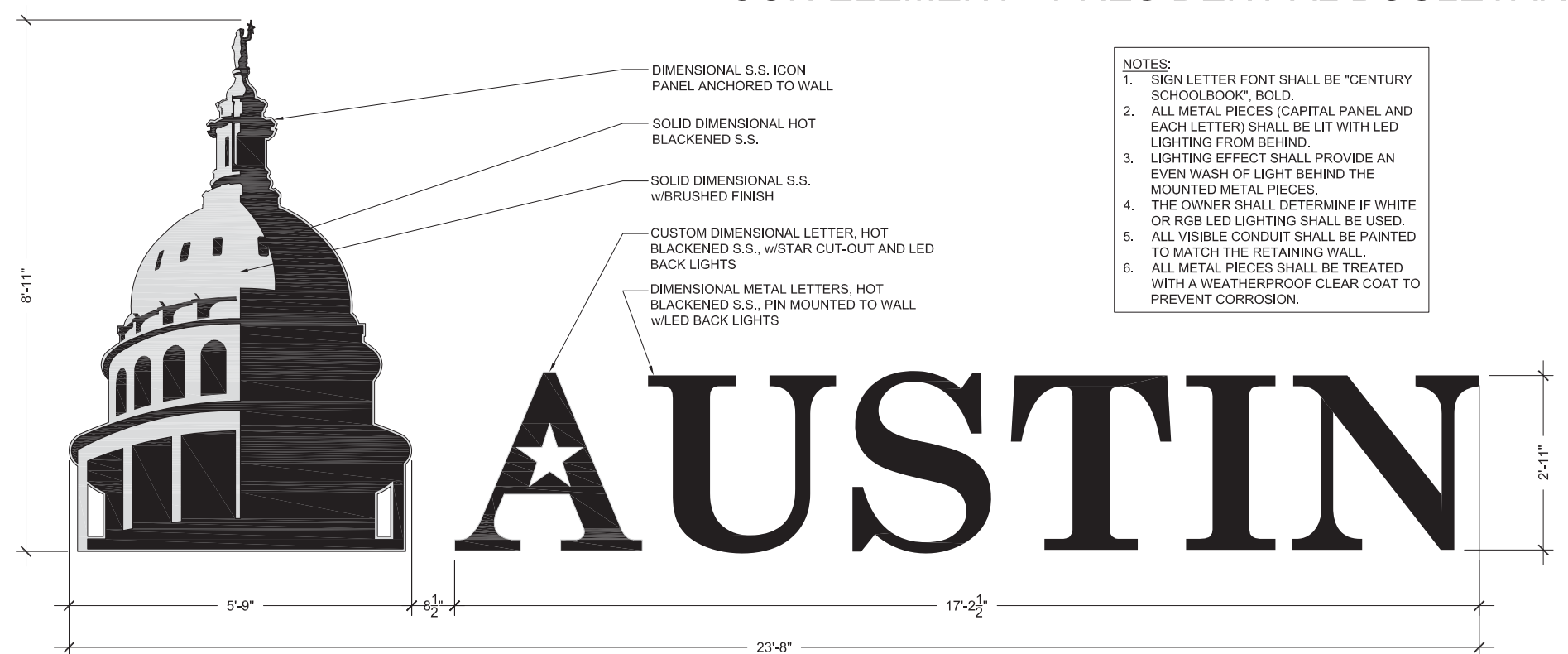
- NOTES:
1. MATTE SILVER FINISH
  2. CONTRACTOR SHALL ENSURE ONCOMING VEHICLES DO NOT RECEIVE GLARE FROM THE SCONCE FIXTURES.
  3. COORDINATE LIGHT LEVELS WITH THE AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
  4. PRESIDENTIAL BOULEVARD SCONCE TOTAL: 12
  5. SPIRIT OF TEXAS DRIVE SCONCE TOTAL: 4
  6. FM 973 SCONCE TOTAL: 6

2 TYPICAL DECORATIVE SCONCE  
SCALE: 1/4" = 1'-0"

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

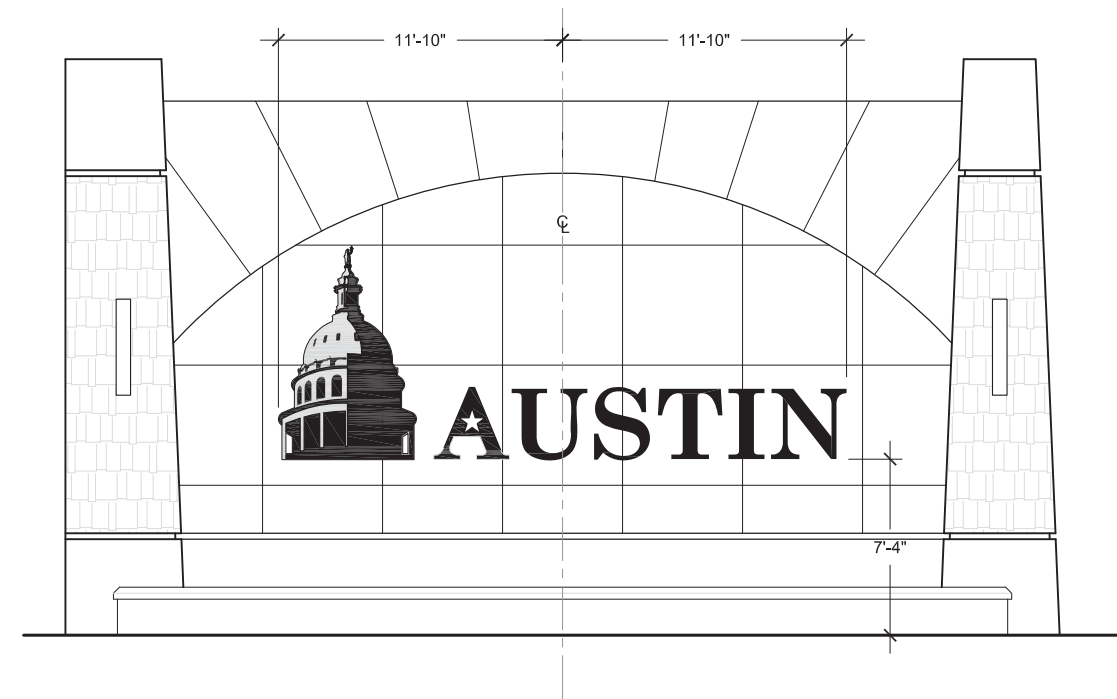
REVISION





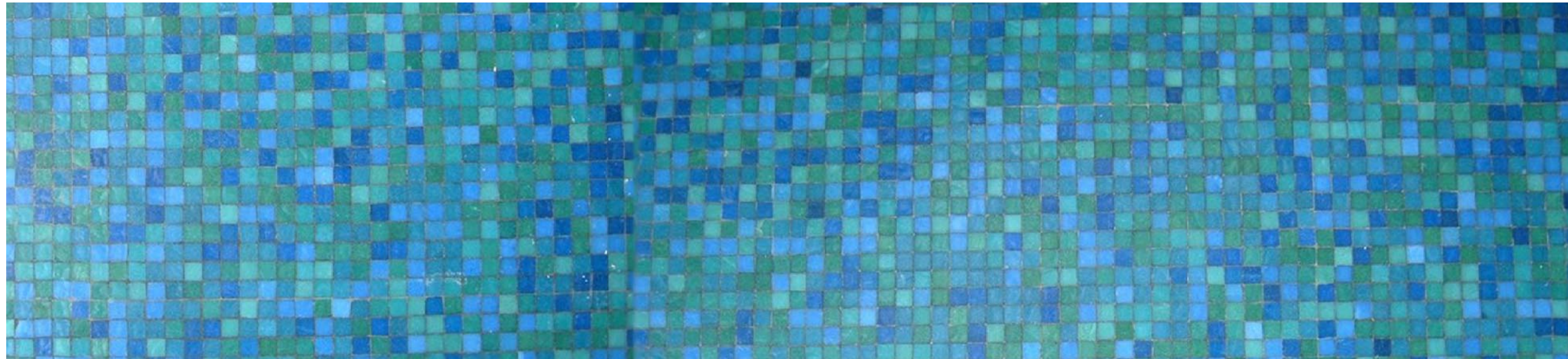
- NOTES:**
1. SIGN LETTER FONT SHALL BE "CENTURY SCHOOLBOOK", BOLD.
  2. ALL METAL PIECES (CAPITAL PANEL AND EACH LETTER) SHALL BE LIT WITH LED LIGHTING FROM BEHIND.
  3. LIGHTING EFFECT SHALL PROVIDE AN EVEN WASH OF LIGHT BEHIND THE MOUNTED METAL PIECES.
  4. THE OWNER SHALL DETERMINE IF WHITE OR RGB LED LIGHTING SHALL BE USED.
  5. ALL VISIBLE CONDUIT SHALL BE PAINTED TO MATCH THE RETAINING WALL.
  6. ALL METAL PIECES SHALL BE TREATED WITH A WEATHERPROOF CLEAR COAT TO PREVENT CORROSION.

**1** ICON ELEMENT DETAIL  
SCALE: 1/4" = 1'-0"



**2** ICON ELEMENT WALL PLACEMENT DETAIL  
SCALE: 1/8" = 1'-0"

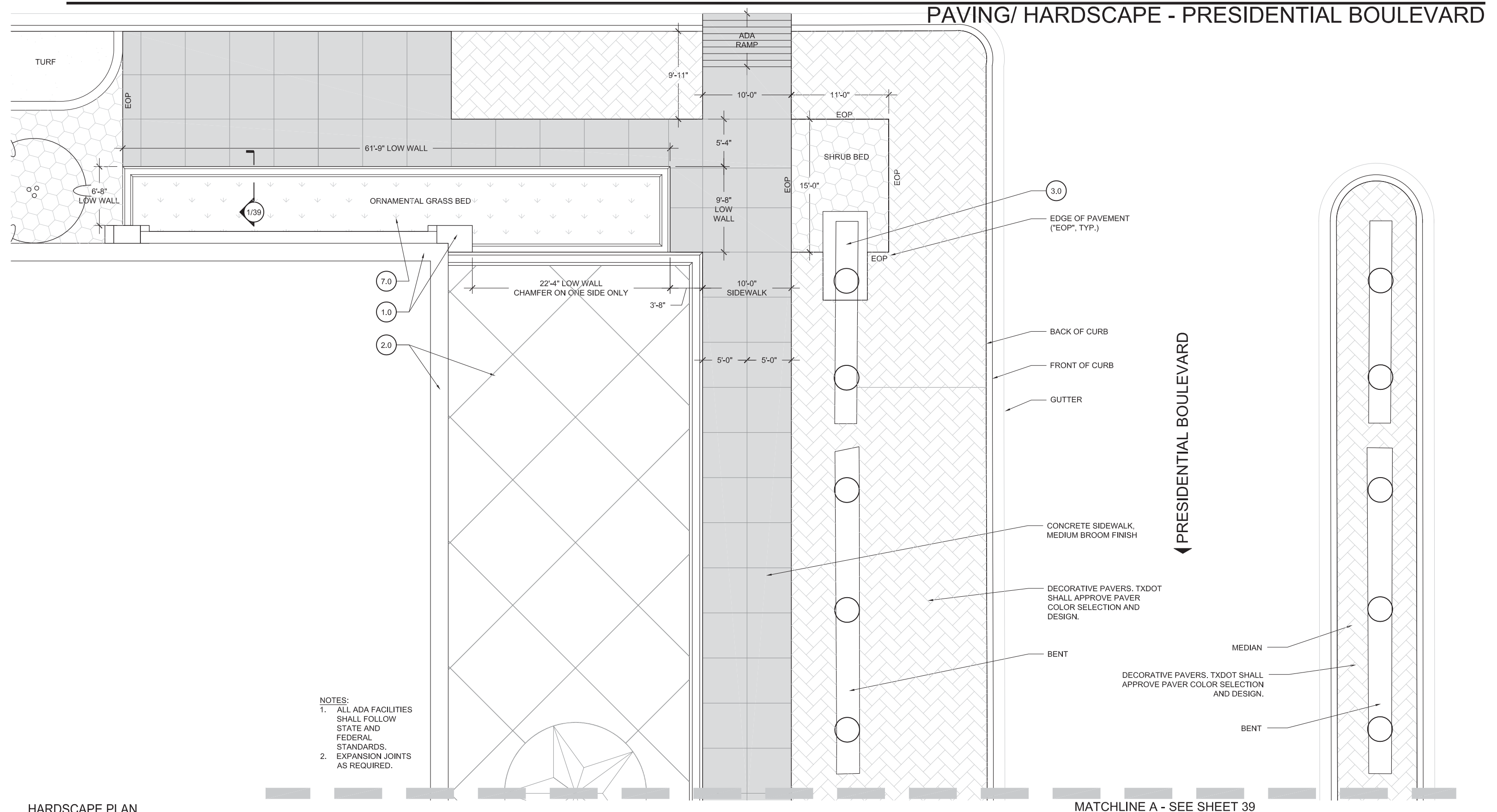
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



## 6.0 PAVING, HARDSCAPE & SHARED USE PATH



## PAVING/ HARDSCAPE - PRESIDENTIAL BOULEVARD



## HARDSCAPE PLAN

SCALE: 1" = 10'

- 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11
  - 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24
  - 3.0 PYLONS - Sheets 25-30
  - 4.0 SIGN STRUCTURES - Sheets 31-32
  - 5.0 LIGHTING STANDARDS - Sheets 33-36
  - 6.0 PAVING/ HARDSCAPE - Sheets 37-46
  - 7.0 LANDSCAPE - Sheets 47-63
  - 8.0 FINISH SCHEDULE - Sheets 64-65

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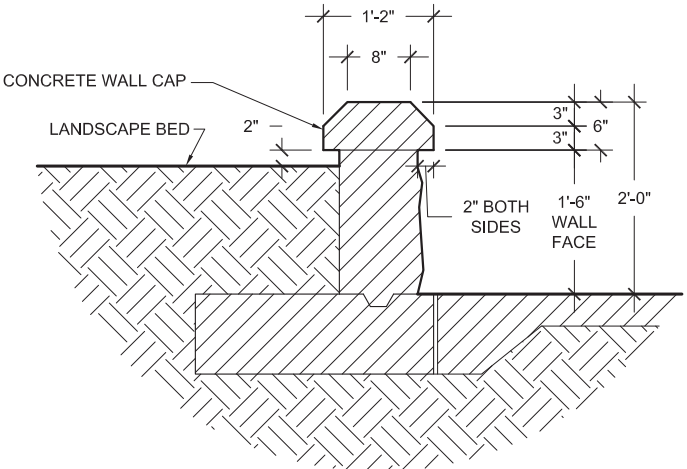
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MATCHLINE A - SEE SHEET 38



CONSTRUCTION NOTES:

1. FOOTING AND WALL REINFORCEMENT SUBJECT TO FINAL PLANS AND SPECIFICATIONS.
2. CONTRACTOR SHALL PLACE WEEP HOLES IN WALL TO ALLOW FOR BED DRAINAGE.

FINISH NOTES:

1. CONCRETE WALL CAP - 3" CHAMFER BOTH SIDES UNLESS OTHERWISE NOTED ON PLAN. SMOOTH TROWEL FINISH. INSTALLATION & REINFORCEMENT PER STRUCTURAL SPECIFICATIONS. STAIN COLOR FED. STD. #26559.
2. WALL FACE - FORM LINER 166D CHISELED LIMESTONE WITH JOINTS (BY SCOTT SYSTEM OR APPROVED EQUAL). CONTRACTOR SHALL USE STAIN COLORS (FED. STD. #26559, #30324, #30219) TO CREATE A REALISTIC LIMESTONE APPEARANCE.

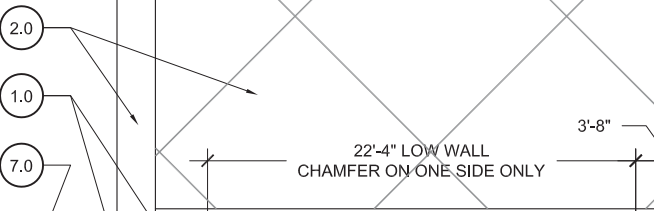
1 LOW WALL SECTION

SCALE: 1/2" = 1'-0"

2.0

1.0

7.0



ORNAMENTAL GRASS BED

61'-9" LOW WALL

10'-0" SIDEWALK

10'-0" LOW WALL

5'-0"

9'-1"

ADA RAMP

SHRUB BED

15'-0"

11'-0"

CONCRETE SIDEWALK,  
MEDIUM BROOM FINISH

DECORATIVE PAVERS.  
TXDOT SHALL APPROVE  
PAVER COLOR  
SELECTION AND  
DESIGN.

BACK OF CURB

FRONT OF CURB

GUTTER

3.0

TRAIL MARKER. REFER  
DETAIL 1, SHEET 41.

PRESIDENTIAL BOULEVARD

MEDIAN

DECORATIVE PAVERS.  
TXDOT SHALL APPROVE  
PAVER COLOR  
SELECTION AND  
DESIGN.

PRESIDENTIAL BOULEVARD

NOTES:

1. ALL ADA FACILITIES SHALL FOLLOW STATE AND FEDERAL STANDARDS.
2. EXPANSION JOINTS AS REQUIRED.

HARDSCAPE PLAN

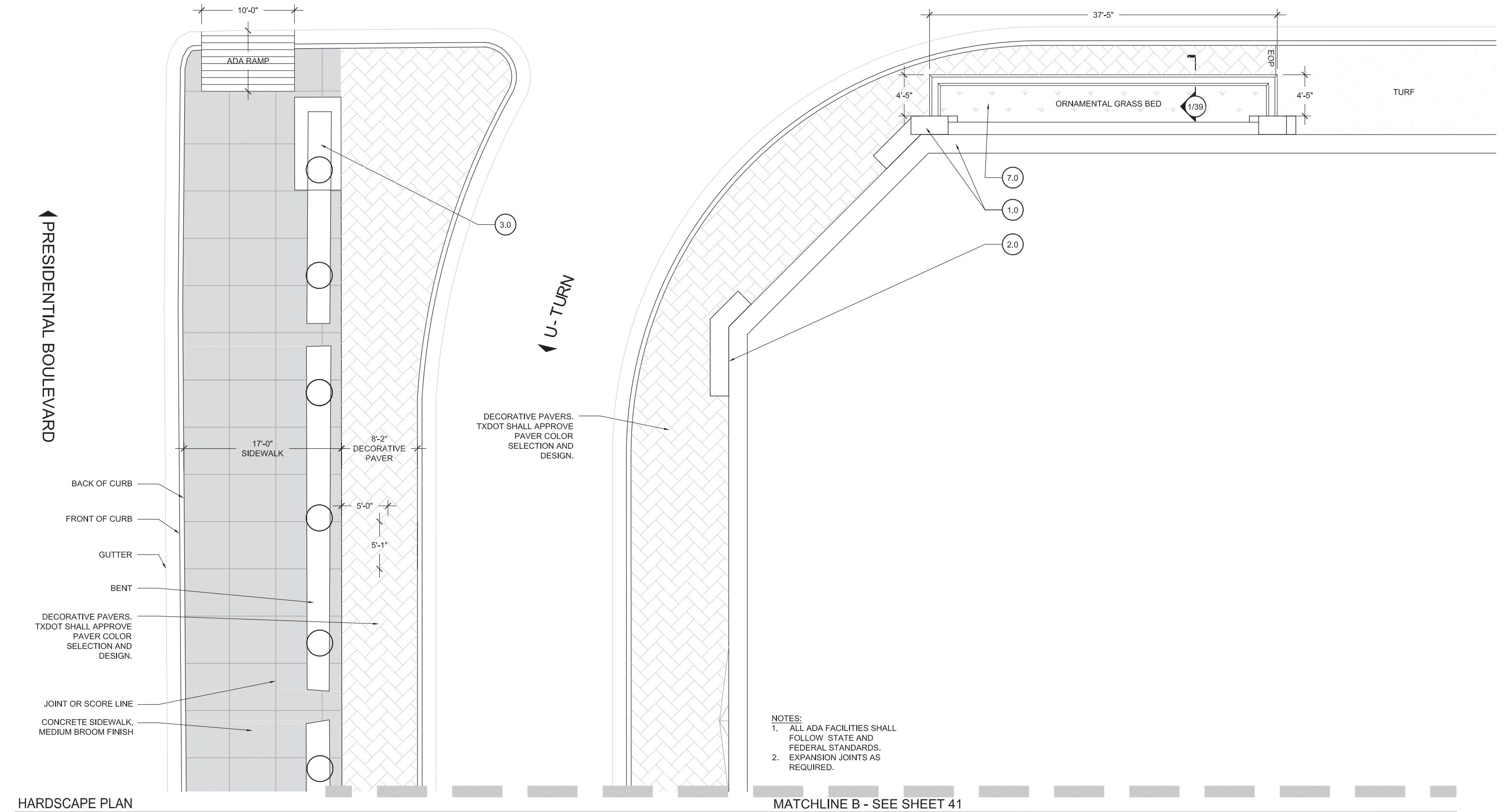
SCALE: 1" = 10'

- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



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HARDSCAPE PLAN

SCALE: 1" = 10'

- |  |                                      |   |                                      |
|--|--------------------------------------|---|--------------------------------------|
| (1.0) RETAINING WALLS & PILASTERS - Sheets 6-11      | (3.0) PYLONS - Sheets 25-30          | (5.0) LIGHTING STANDARDS - Sheets 33-36 | (7.0) LANDSCAPE - Sheets 47-63       |
| (2.0) BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | (4.0) SIGN STRUCTURES - Sheets 31-32 | (6.0) PAVING/ HARDSCAPE - Sheets 37-46  | (8.0) FINISH SCHEDULE - Sheets 64-65 |

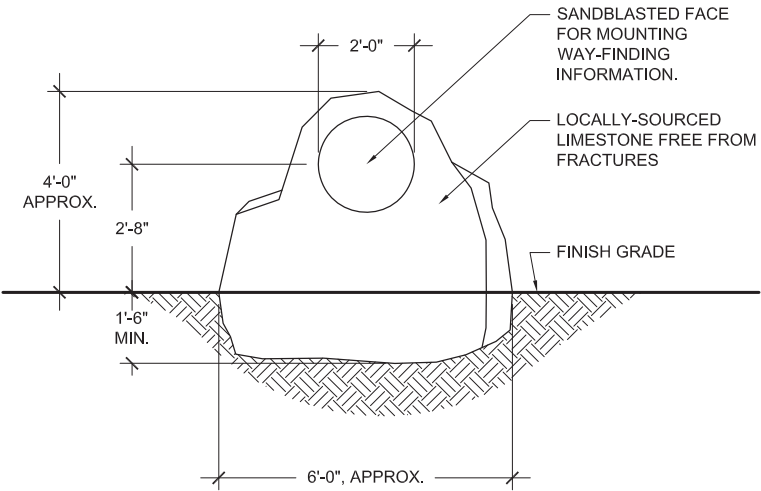
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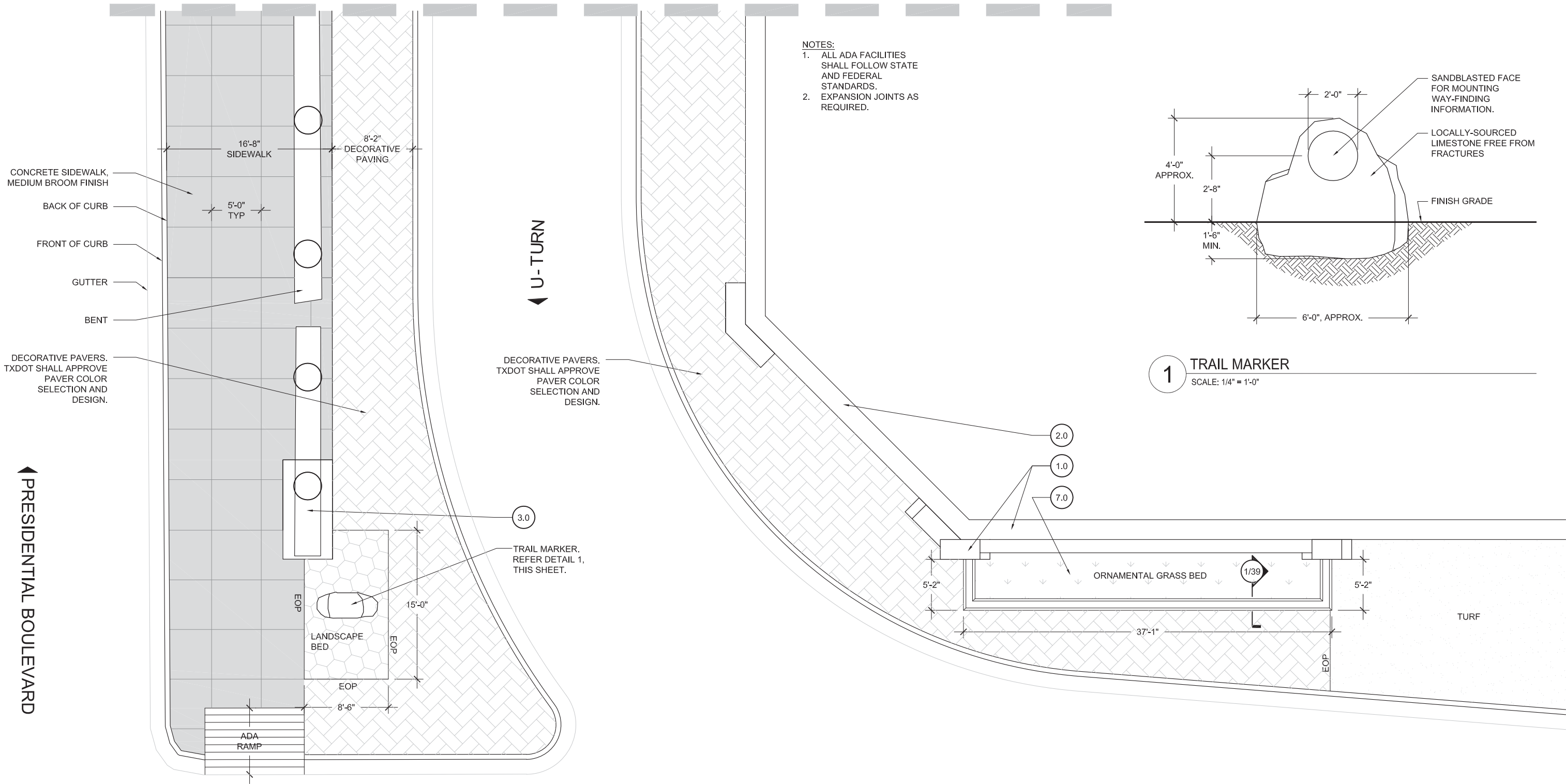
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MATCHLINE B - SEE SHEET 40

- NOTES:
- 1. ALL ADA FACILITIES SHALL FOLLOW STATE AND FEDERAL STANDARDS.
  - 2. EXPANSION JOINTS AS REQUIRED.



1 TRAIL MARKER  
SCALE: 1/4" = 1'-0"



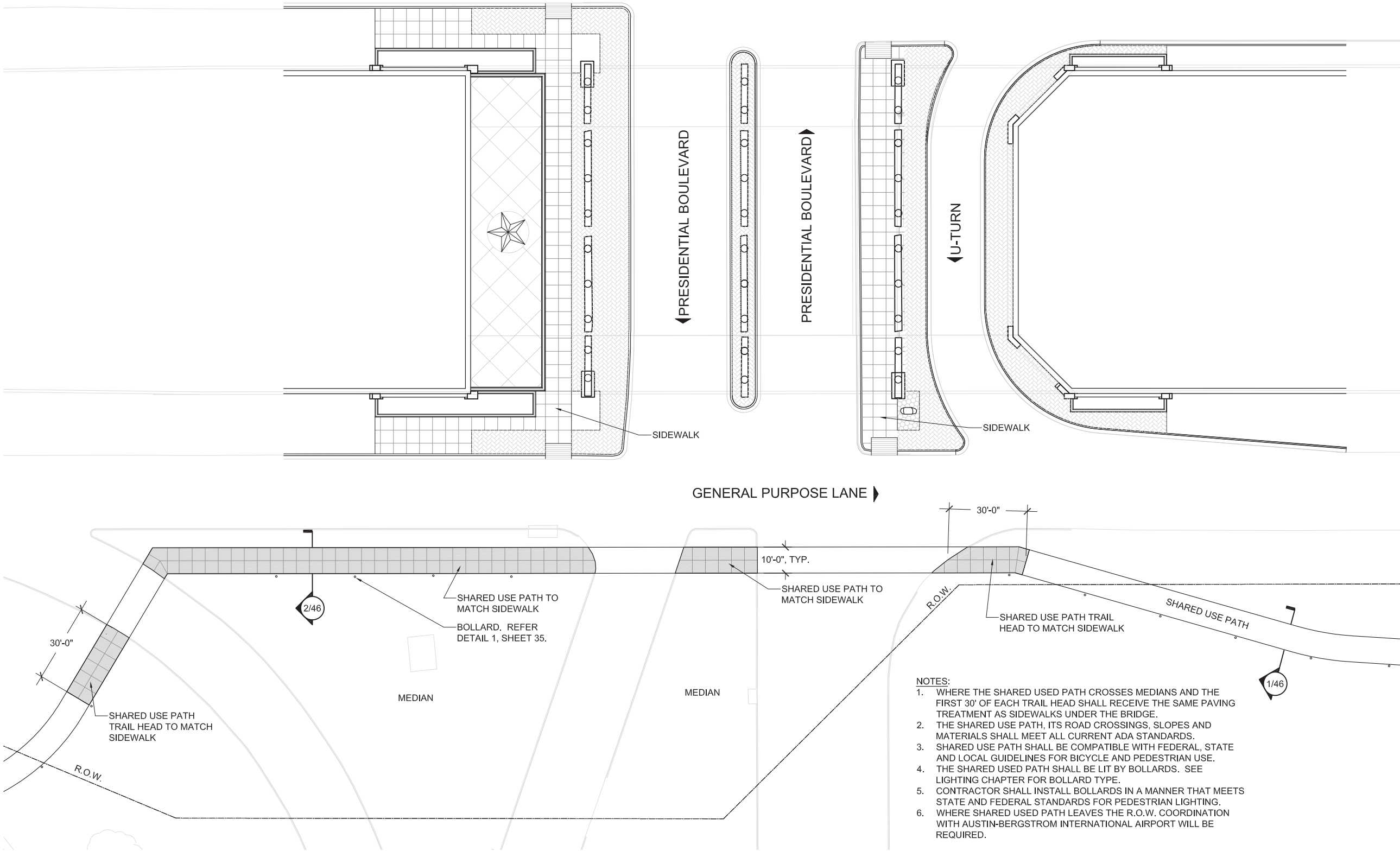
HARDSCAPE PLAN  
SCALE: 1" = 10'

- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

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SHARED USE PATH PLAN  
SCALE: 1" = 40'

- NOTES:
1. WHERE THE SHARED USED PATH CROSSES MEDIANS AND THE FIRST 30' OF EACH TRAIL HEAD SHALL RECEIVE THE SAME PAVING TREATMENT AS SIDEWALKS UNDER THE BRIDGE.
  2. THE SHARED USE PATH, ITS ROAD CROSSINGS, SLOPES AND MATERIALS SHALL MEET ALL CURRENT ADA STANDARDS.
  3. SHARED USE PATH SHALL BE COMPATIBLE WITH FEDERAL, STATE AND LOCAL GUIDELINES FOR BICYCLE AND PEDESTRIAN USE.
  4. THE SHARED USED PATH SHALL BE LIT BY BOLLARDS. SEE LIGHTING CHAPTER FOR BOLLARD TYPE.
  5. CONTRACTOR SHALL INSTALL BOLLARDS IN A MANNER THAT MEETS STATE AND FEDERAL STANDARDS FOR PEDESTRIAN LIGHTING.
  6. WHERE SHARED USED PATH LEAVES THE R.O.W. COORDINATION WITH AUSTIN-BERGSTROM INTERNATIONAL AIRPORT WILL BE REQUIRED.

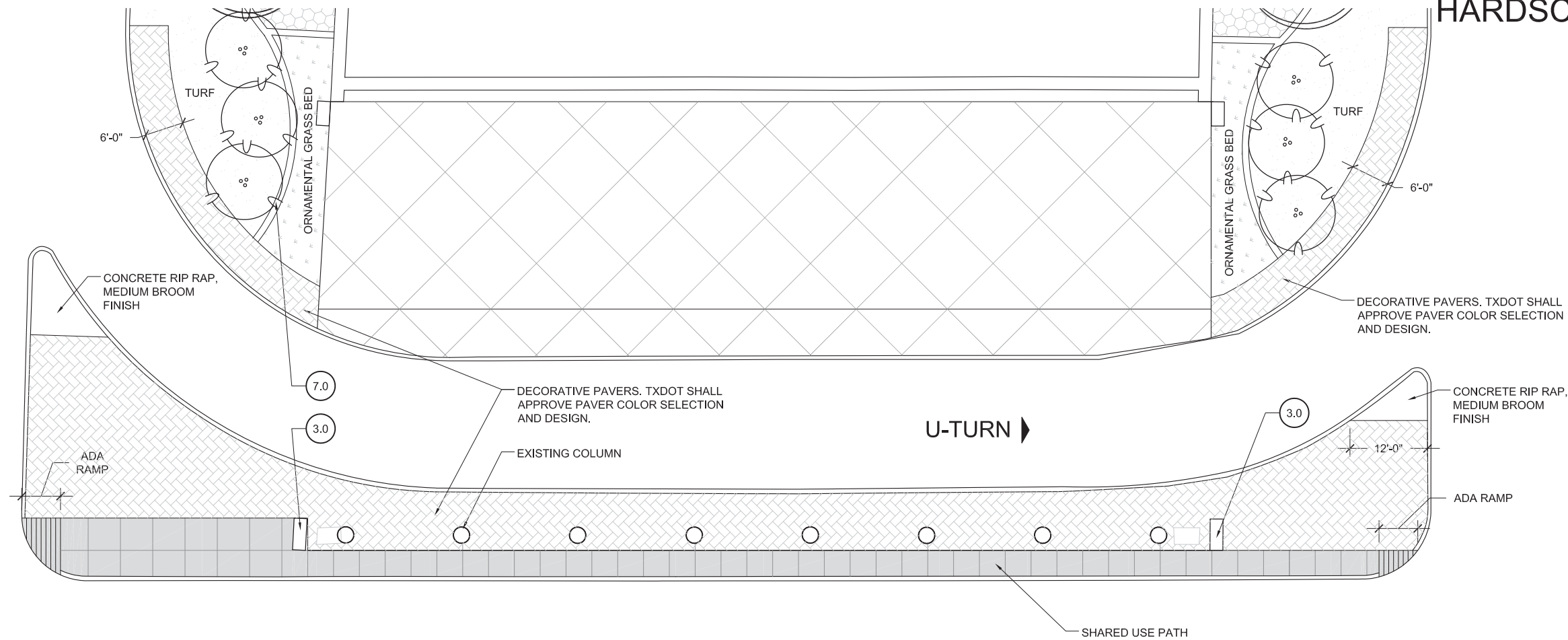
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|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

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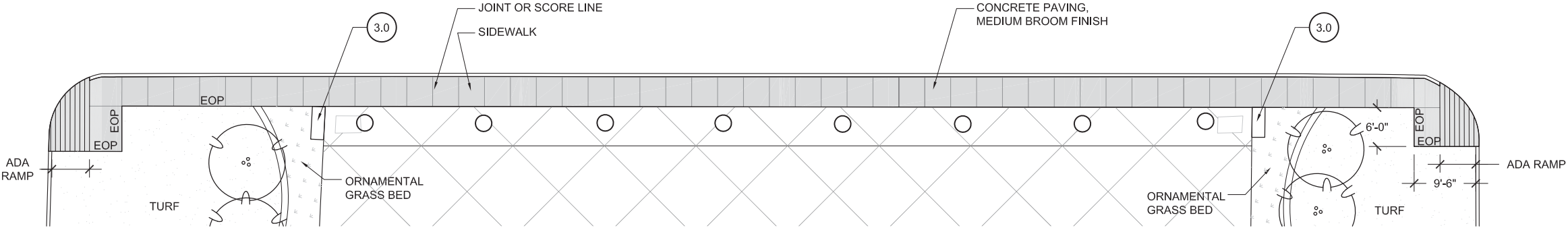
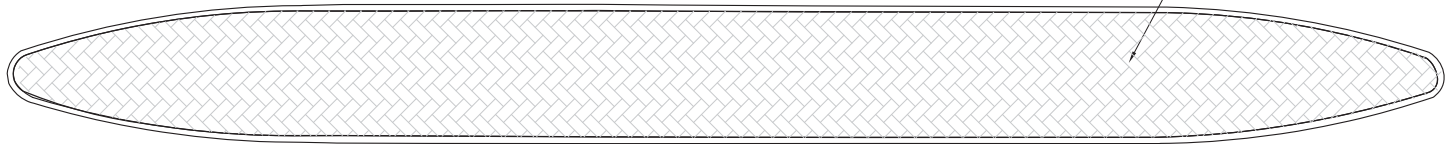


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- NOTES:
1. ALL ADA FACILITIES SHALL FOLLOW STATE AND FEDERAL STANDARDS.
  2. EXPANSION JOINTS AS REQUIRED.
  3. THE SHARED USE PATH SHALL MAINTAIN CONNECTIVITY THROUGH THE SPIRIT OF TEXAS DRIVE INTERCHANGE.
  4. THE WIDTH AND LOCATION OF THE SHARED USE PATH ALONG SPIRIT OF TEXAS DRIVE SHALL BE DETERMINED IN FINAL DESIGN.



HARDSCAPE PLAN

SCALE: 1" = 20'

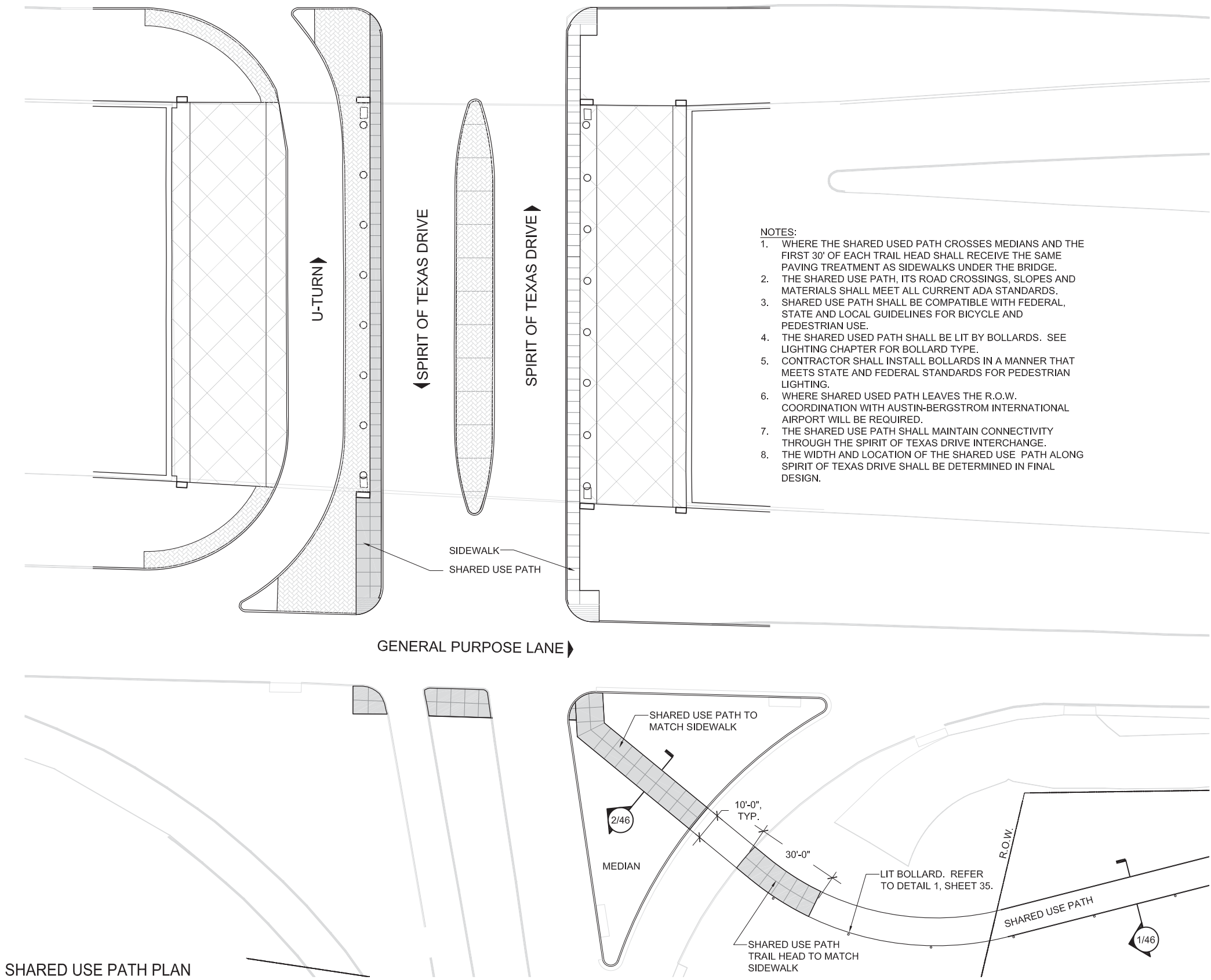
- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
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SHARED USE PATH - SPIRIT OF TEXAS DRIVE



- NOTES:
1. WHERE THE SHARED USED PATH CROSSES MEDIANS AND THE FIRST 30' OF EACH TRAIL HEAD SHALL RECEIVE THE SAME PAVING TREATMENT AS SIDEWALKS UNDER THE BRIDGE.
  2. THE SHARED USE PATH, ITS ROAD CROSSINGS, SLOPES AND MATERIALS SHALL MEET ALL CURRENT ADA STANDARDS.
  3. SHARED USE PATH SHALL BE COMPATIBLE WITH FEDERAL, STATE AND LOCAL GUIDELINES FOR BICYCLE AND PEDESTRIAN USE.
  4. THE SHARED USED PATH SHALL BE LIT BY BOLLARDS. SEE LIGHTING CHAPTER FOR BOLLARD TYPE.
  5. CONTRACTOR SHALL INSTALL BOLLARDS IN A MANNER THAT MEETS STATE AND FEDERAL STANDARDS FOR PEDESTRIAN LIGHTING.
  6. WHERE SHARED USED PATH LEAVES THE R.O.W. COORDINATION WITH AUSTIN-BERGSTROM INTERNATIONAL AIRPORT WILL BE REQUIRED.
  7. THE SHARED USE PATH SHALL MAINTAIN CONNECTIVITY THROUGH THE SPIRIT OF TEXAS DRIVE INTERCHANGE.
  8. THE WIDTH AND LOCATION OF THE SHARED USE PATH ALONG SPIRIT OF TEXAS DRIVE SHALL BE DETERMINED IN FINAL DESIGN.

SHARED USE PATH PLAN

SCALE: 1" = 40'

- |  |                                    |                                       |                                    |
|--|------------------------------------|---------------------------------------|------------------------------------|
| 1.0 RETAINING WALLS & PILASTERS - Sheets 6-11      | 3.0 PYLONS - Sheets 25-30          | 5.0 LIGHTING STANDARDS - Sheets 33-36 | 7.0 LANDSCAPE - Sheets 47-63       |
| 2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24 | 4.0 SIGN STRUCTURES - Sheets 31-32 | 6.0 PAVING/ HARDSCAPE - Sheets 37-46  | 8.0 FINISH SCHEDULE - Sheets 64-65 |

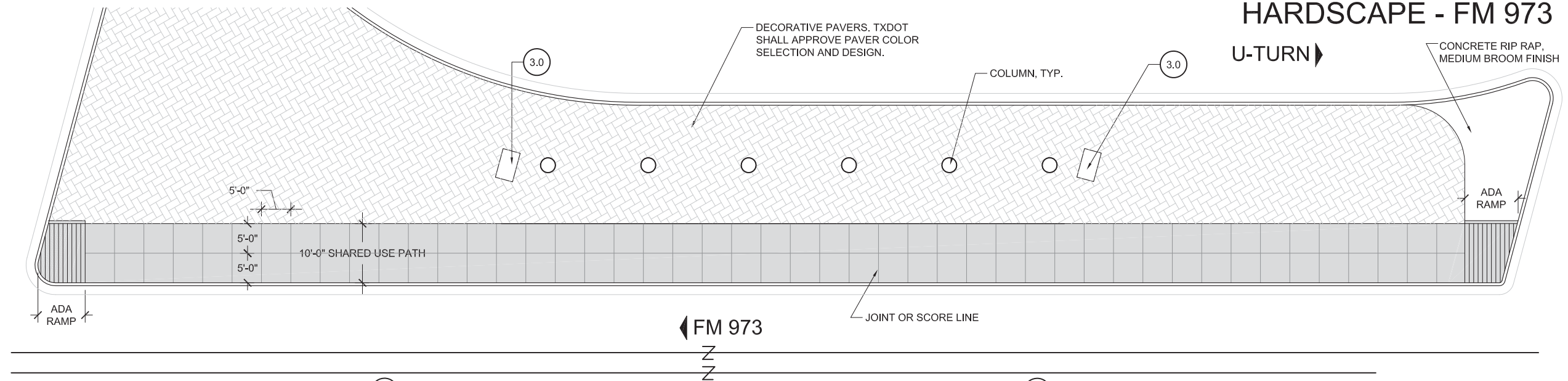
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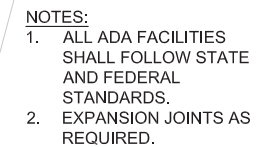
## U-TURN ►

ADA  
RAMP



- 1

SCALE: 1/2" = 1'-0"



2) SCALE: 1" = 20'

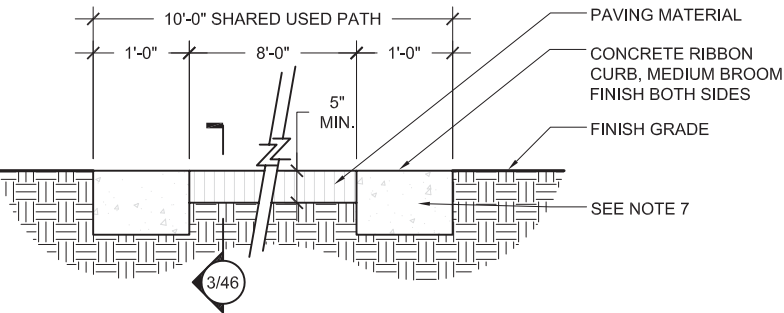
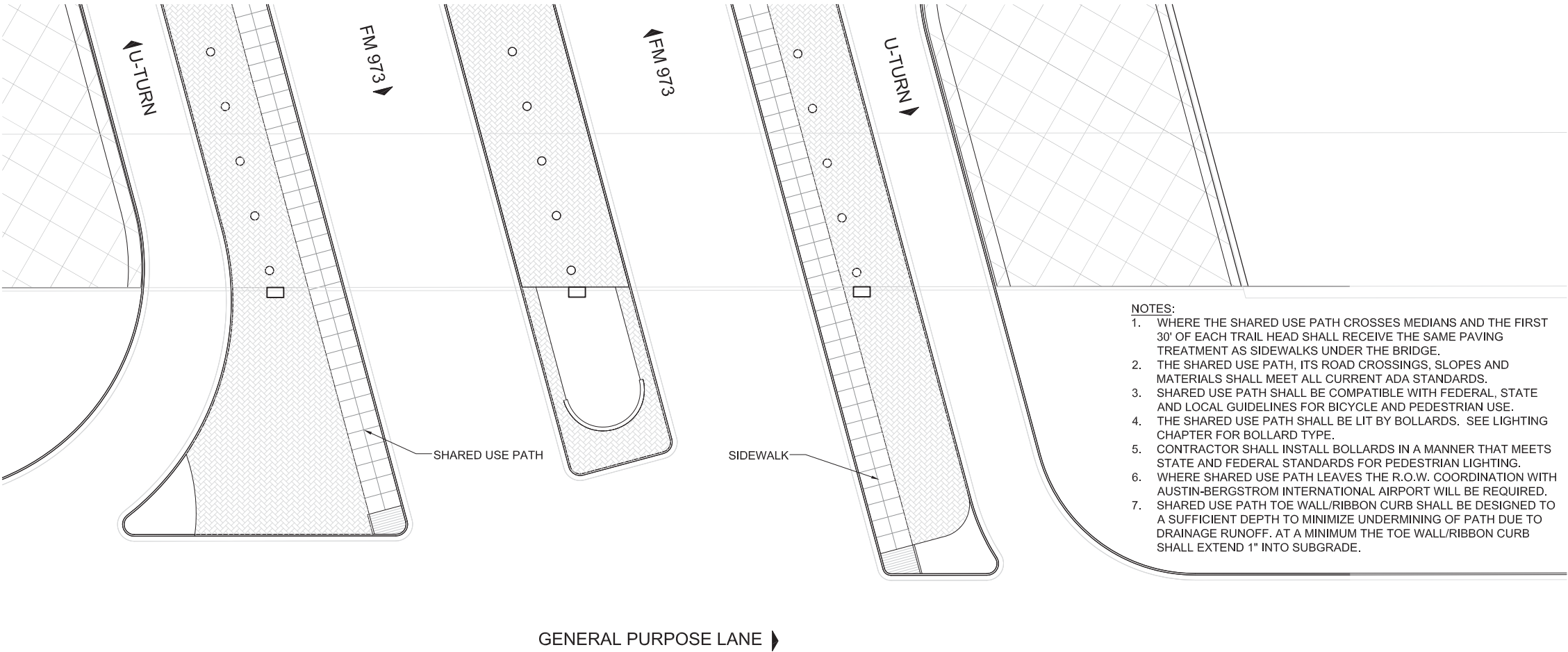
- DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



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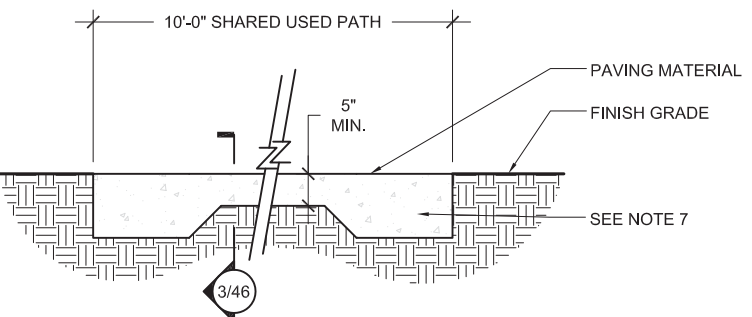
SH 71 AESTHETIC GUIDELINES





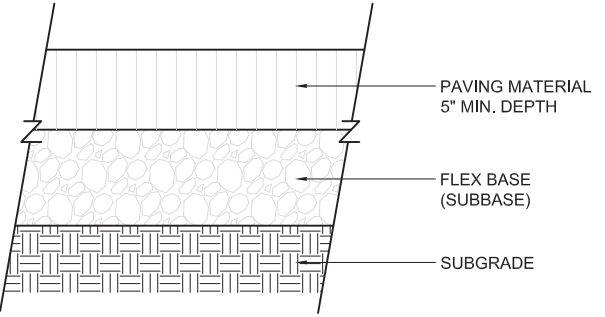
1 SHARED USE PATH SECTION

SCALE: 1/2" = 1'-0"



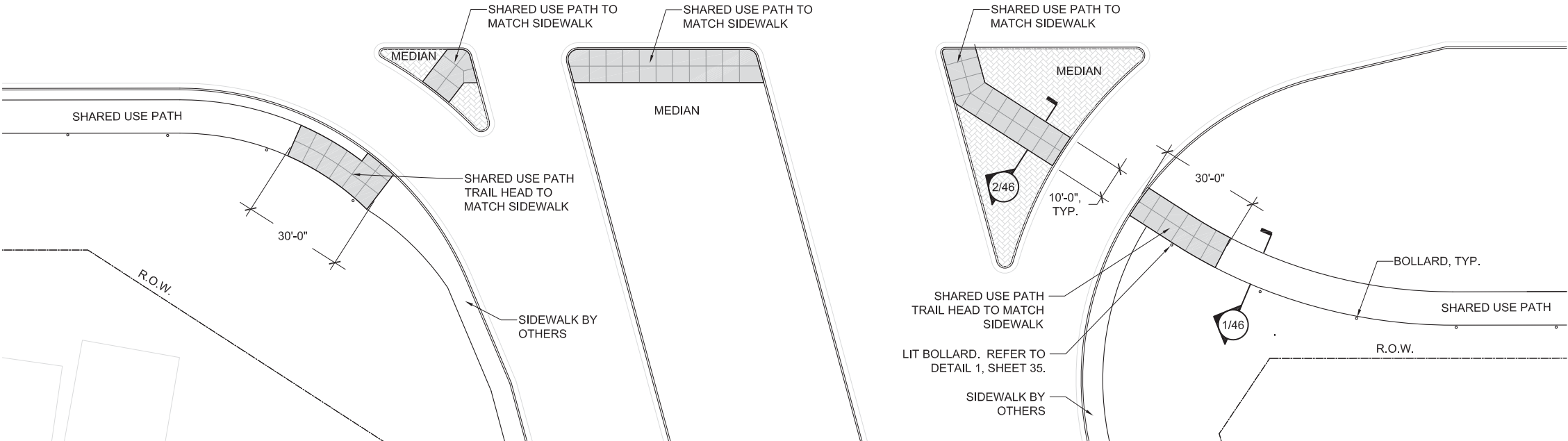
2 SHARED USE PATH AT TRAIL HEAD SECTION

SCALE: 1/2" = 1'-0"



3 PAVING SECTION

SCALE: 1" = 1'-0"



SHARED USE PATH PLAN

SCALE: 1" = 40'

1.0 RETAINING WALLS & PILASTERS - Sheets 6-11

3.0 PYLONS - Sheets 25-30

5.0 LIGHTING STANDARDS - Sheets 33-36

7.0 LANDSCAPE - Sheets 47-63

2.0 BRIDGE ABUTMENT WALLS & RIP RAP - Sheets 12-24

4.0 SIGN STRUCTURES - Sheets 31-32

6.0 PAVING/ HARDSCAPE - Sheets 37-46

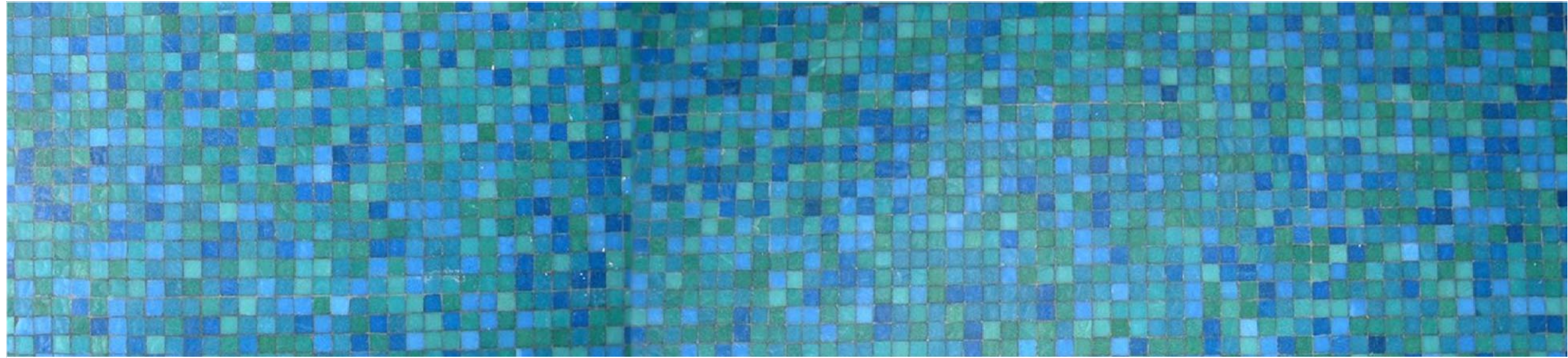
8.0 FINISH SCHEDULE - Sheets 64-65

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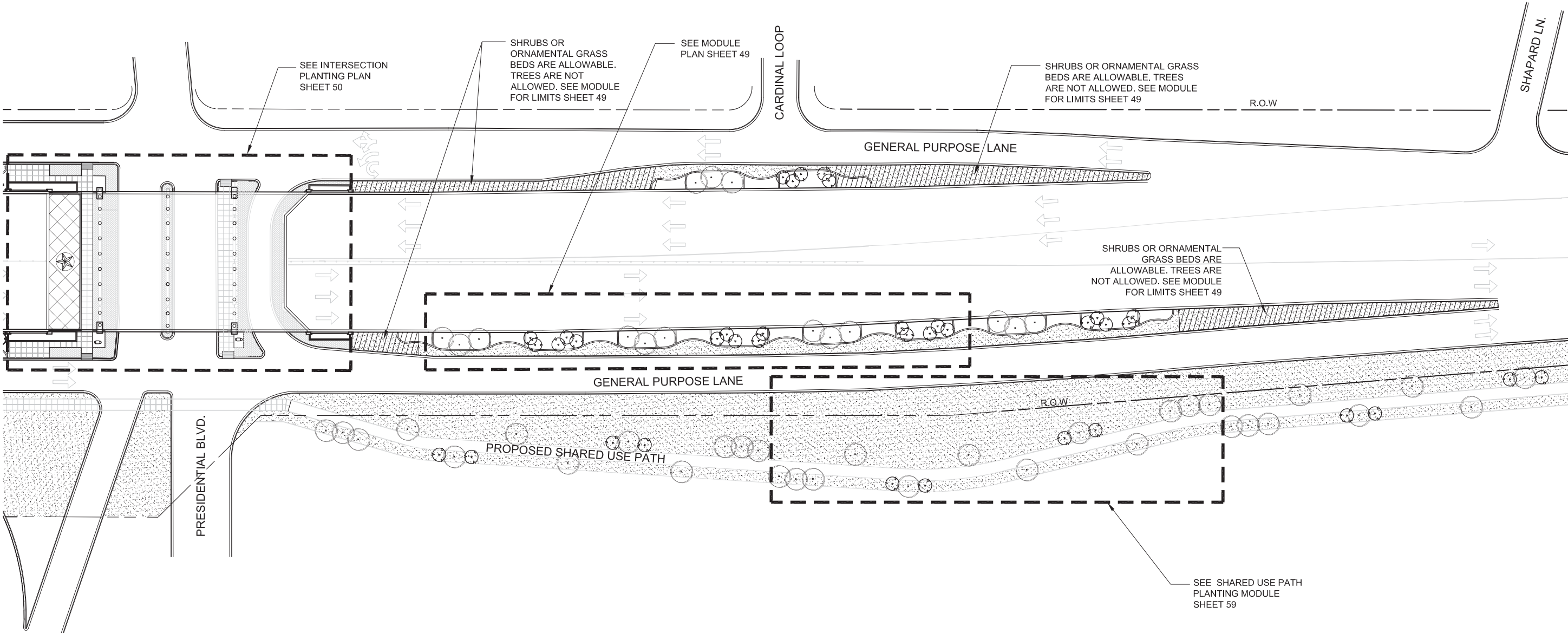
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## 7.0 LANDSCAPE

- NOTES:
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
  2. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING LANDSCAPE AND HARDSCAPE TREATMENTS WHERE UTILITIES WILL REMAIN.
  3. NO TREES WHERE DISTANCES BETWEEN BACK OF CURB AND RETAINING WALLS ARE LESS THAN 20'-0". IF THERE IS NO CURB, MEASURE FROM EDGE OF PAVEMENT.
  4. ALL TREES ASSOCIATED WITH THE SHARED USE PATH SHALL BE LOCATED MINIMUM 30'-0" FROM BACK OF CURB.
  5. CONTRACTOR IS RESPONSIBLE FOR LOCATING SLOPES THAT REQUIRE EROSION CONTROL SEEDING.
  6. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINTS 11067+00 AND 11090+00.



LANDSCAPE PLAN  
SCALE: NOT TO SCALE

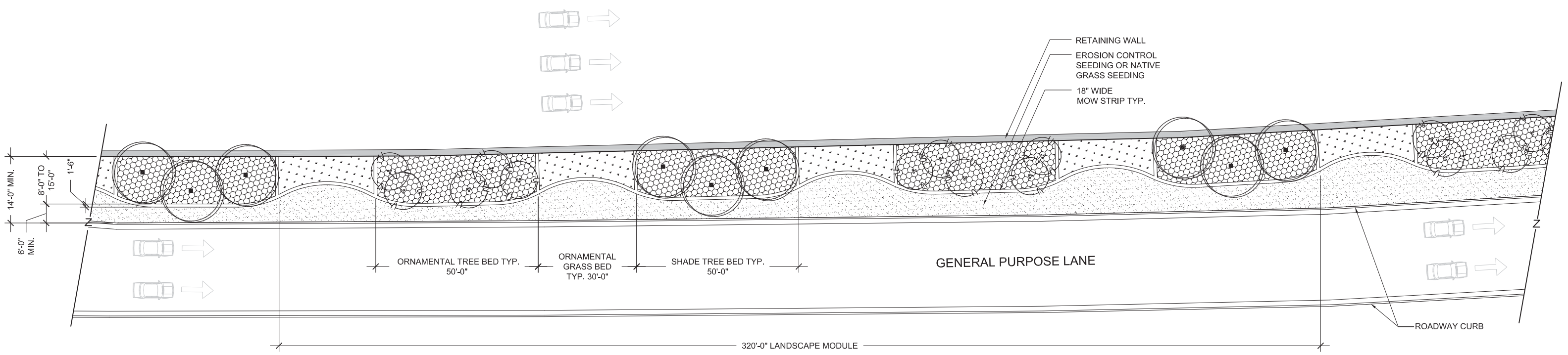
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320'-0" MODULE PLAN - PRESIDENTIAL BOULEVARD



ROADWAY MODULE PLANTING PLAN

SCALE: 1" = 30'-0"

- NOTES:
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
  2. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING LANDSCAPE AND HARDSCAPE TREATMENTS WHERE UTILITIES WILL REMAIN.
  3. NO TREES WHERE DISTANCES BETWEEN BACK OF CURB AND RETAINING WALLS ARE LESS THAN 20'-0". IF THERE IS NO CURB, MEASURE FROM EDGE OF PAVEMENT.
  4. ALL TREES ASSOCIATED WITH THE SHARED USE PATH SHALL BE LOCATED MINIMUM 30'-0" FROM BACK OF CURB.
  5. CONTRACTOR IS RESPONSIBLE FOR LOCATING SLOPES THAT REQUIRE EROSION CONTROL SEEDING.
  6. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINTS 11067+00 AND 11090+00.

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

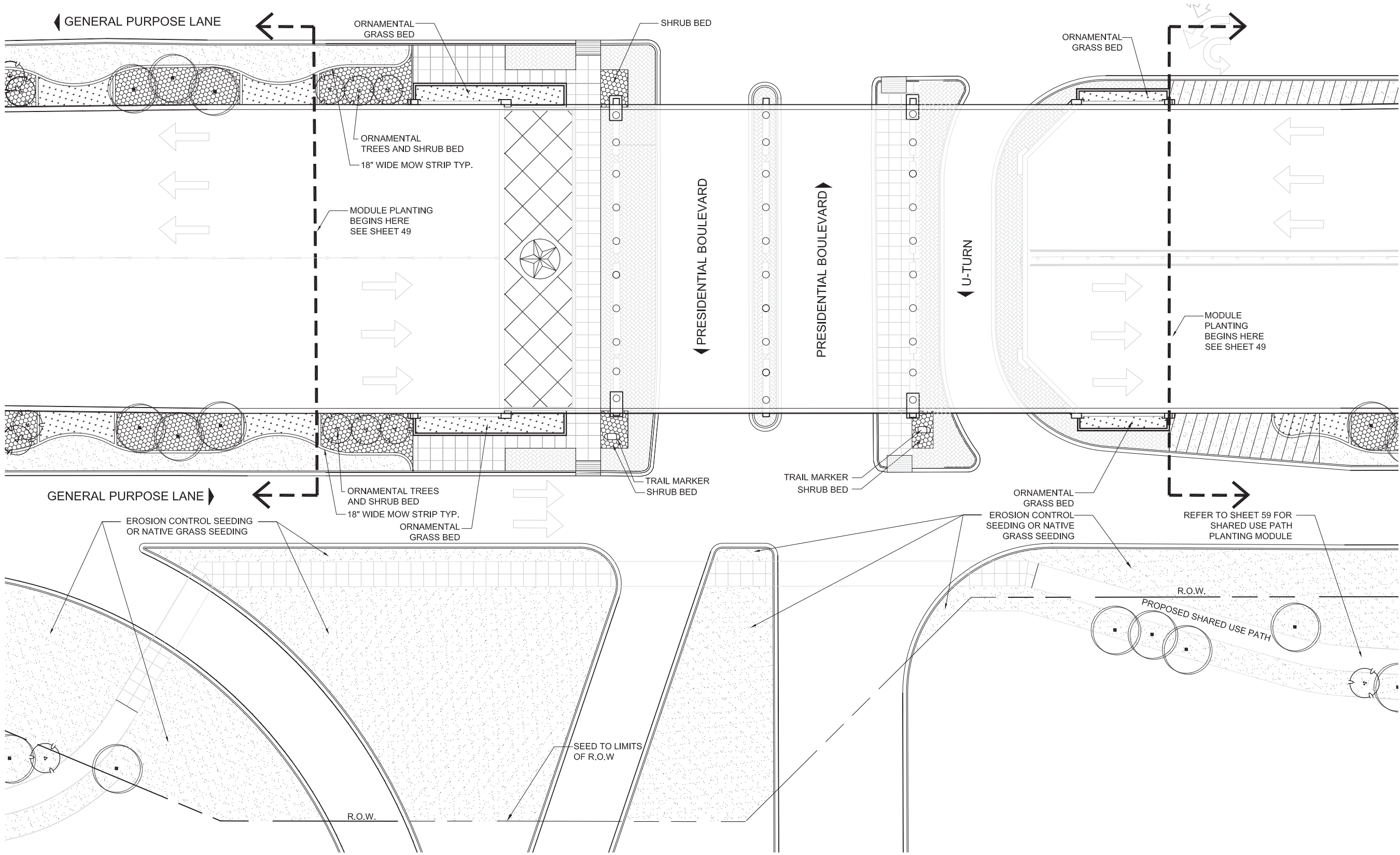


REVISION 2

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INTERSECTION PLANTING PLAN - PRESIDENTIAL BOULEVARD

- NOTES:
- 1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
  - 2. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING LANDSCAPE AND HARDSCAPE TREATMENTS WHERE UTILITIES WILL REMAIN.
  - 3. NO TREES WHERE DISTANCES BETWEEN BACK OF CURB AND RETAINING WALLS ARE LESS THAN 20'-0". IF THERE IS NO CURB, MEASURE FROM EDGE OF PAVEMENT.
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INTERSECTION PLANTING PLAN

SCALE: 1" = 40'-0"

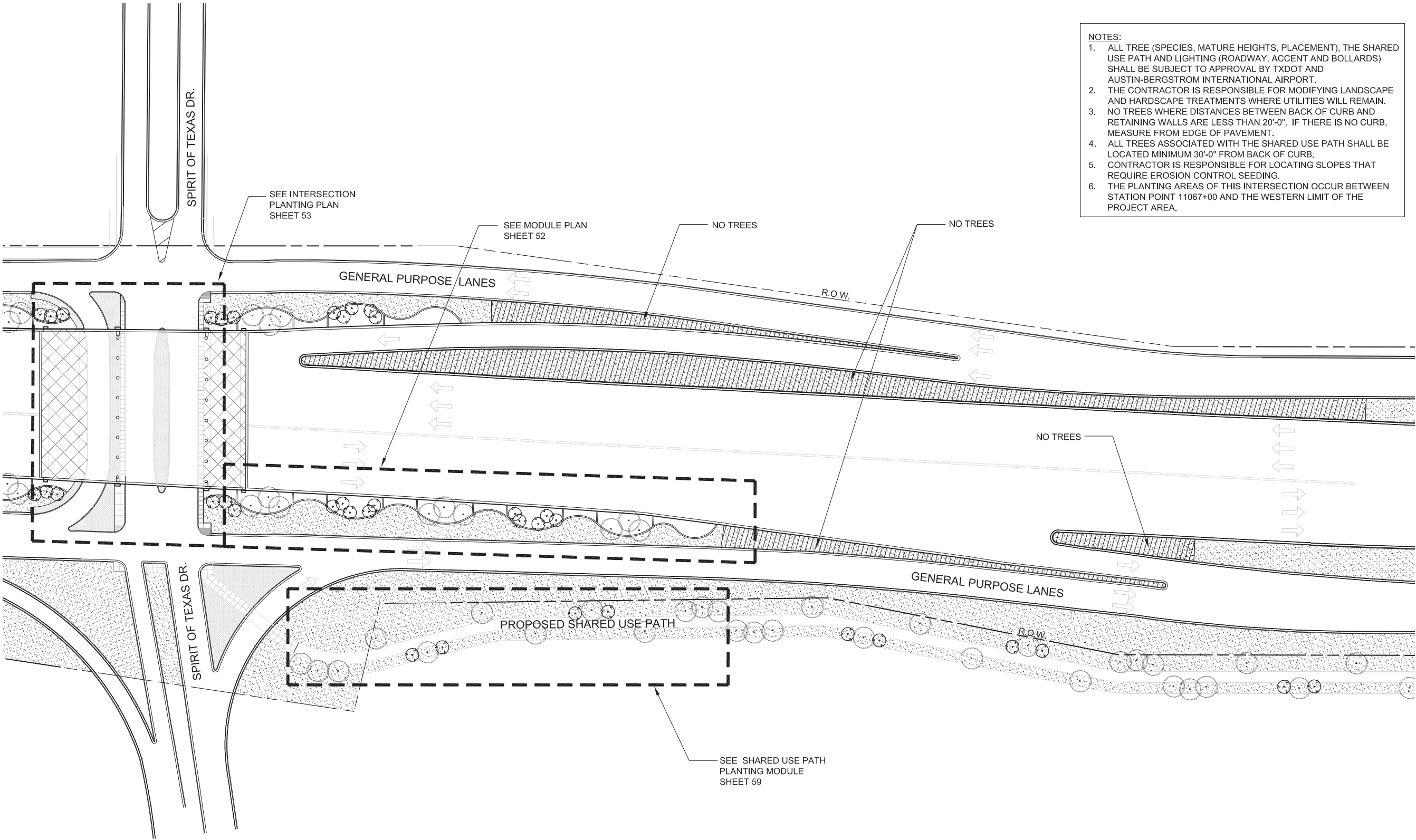
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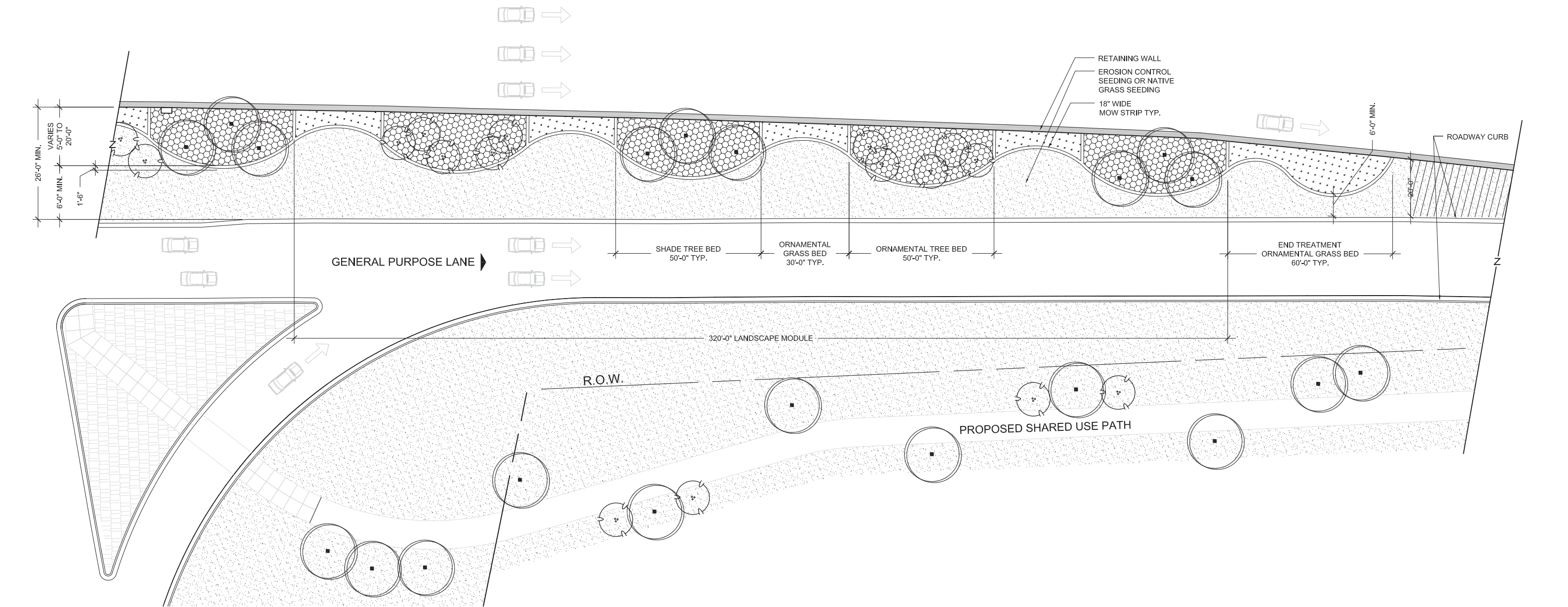
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  5. CONTRACTOR IS RESPONSIBLE FOR LOCATING SLOPES THAT REQUIRE EROSION CONTROL SEEDING.
  6. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINT 11067+00 AND THE WESTERN LIMIT OF THE PROJECT AREA.

LANDSCAPE PLAN  
SCALE: NOT TO SCALE

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ROADWAY MODULE PLANTING PLAN

SCALE: 1" = 30'-0"

- NOTES:
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
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  3. NO TREES WHERE DISTANCES BETWEEN BACK OF CURB AND RETAINING WALLS ARE LESS THAN 20'-0". IF THERE IS NO CURB, MEASURE FROM EDGE OF PAVEMENT.
  4. ALL TREES ASSOCIATED WITH THE SHARED USE PATH SHALL BE LOCATED MINIMUM 30'-0" FROM BACK OF CURB.
  5. CONTRACTOR IS RESPONSIBLE FOR LOCATING SLOPES THAT REQUIRE EROSION CONTROL SEEDING.
  6. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINT 11067+00 AND THE WESTERN LIMIT OF THE PROJECT AREA.

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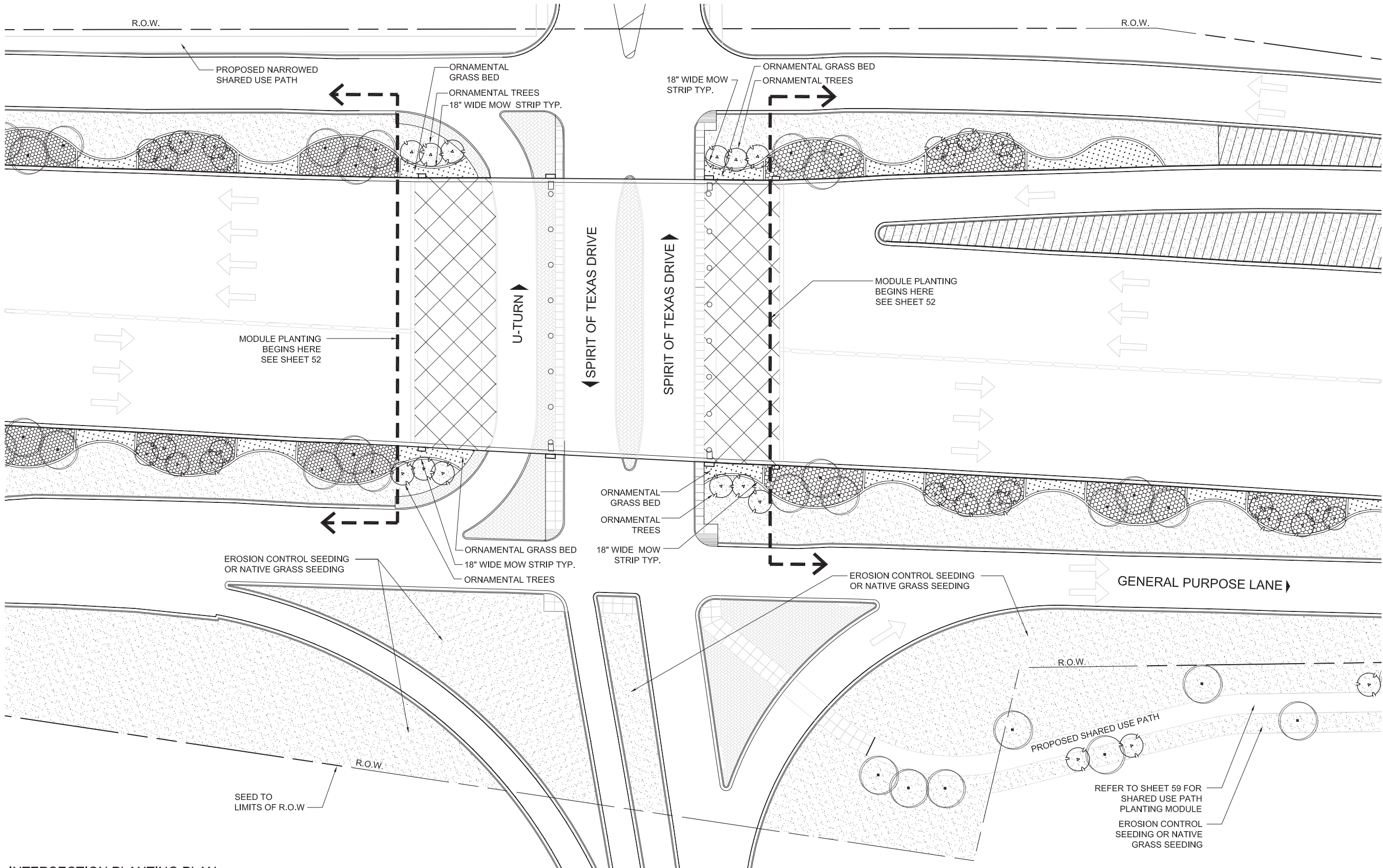


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# INTERSECTION PLANTING PLAN - SPIRIT OF TEXAS DRIVE

- NOTES:
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
  2. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING LANDSCAPE AND HARDSCAPE TREATMENTS WHERE UTILITIES WILL REMAIN.
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  5. CONTRACTOR IS RESPONSIBLE FOR LOCATING SLOPES THAT REQUIRE EROSION CONTROL SEEDING.
  6. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINT 11067+00 AND THE WESTERN LIMIT OF THE PROJECT AREA.



## INTERSECTION PLANTING PLAN

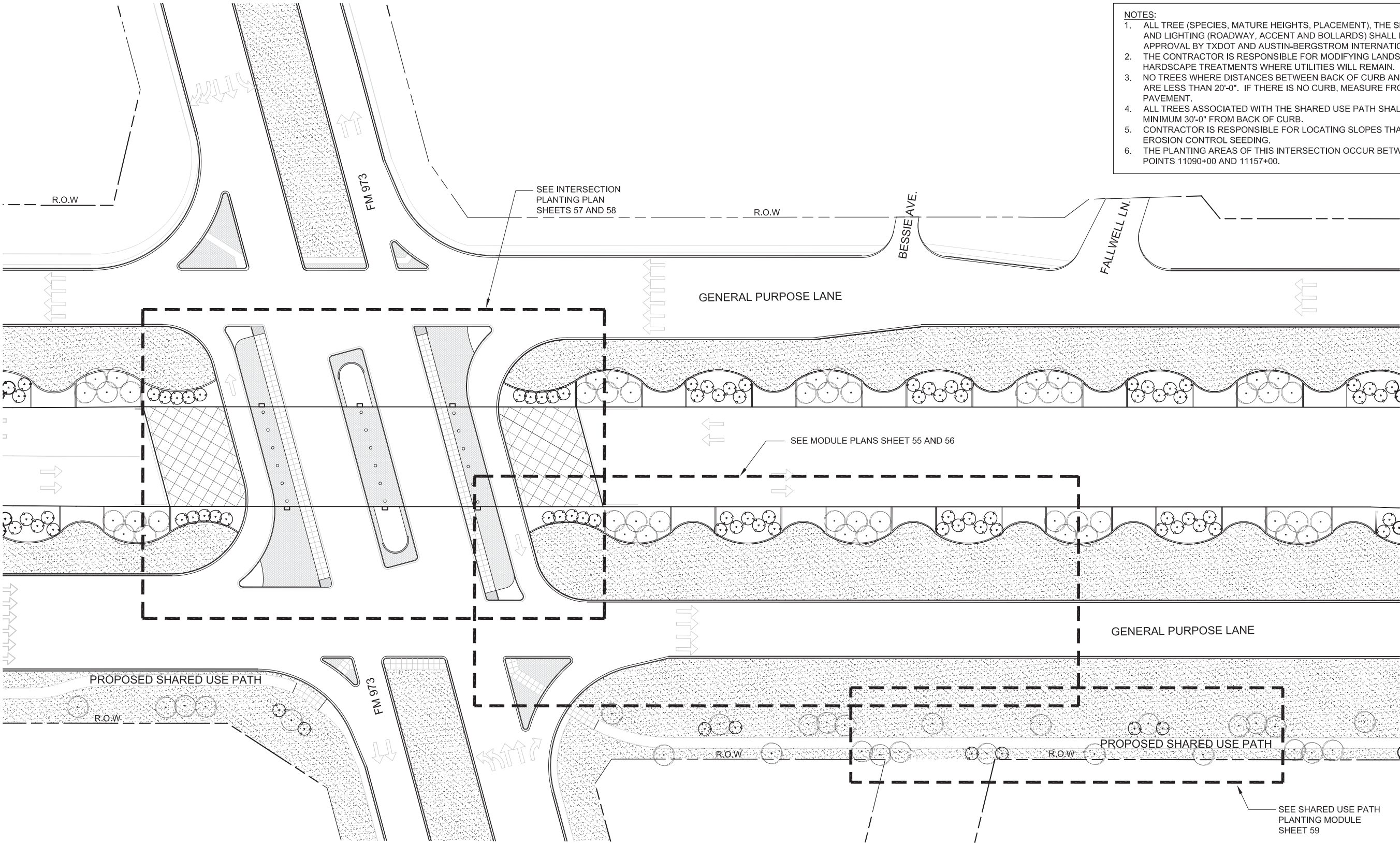
SCALE: 1" = 50'-0"

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



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- NOTES:
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
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  6. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINTS 11090+00 AND 11157+00.

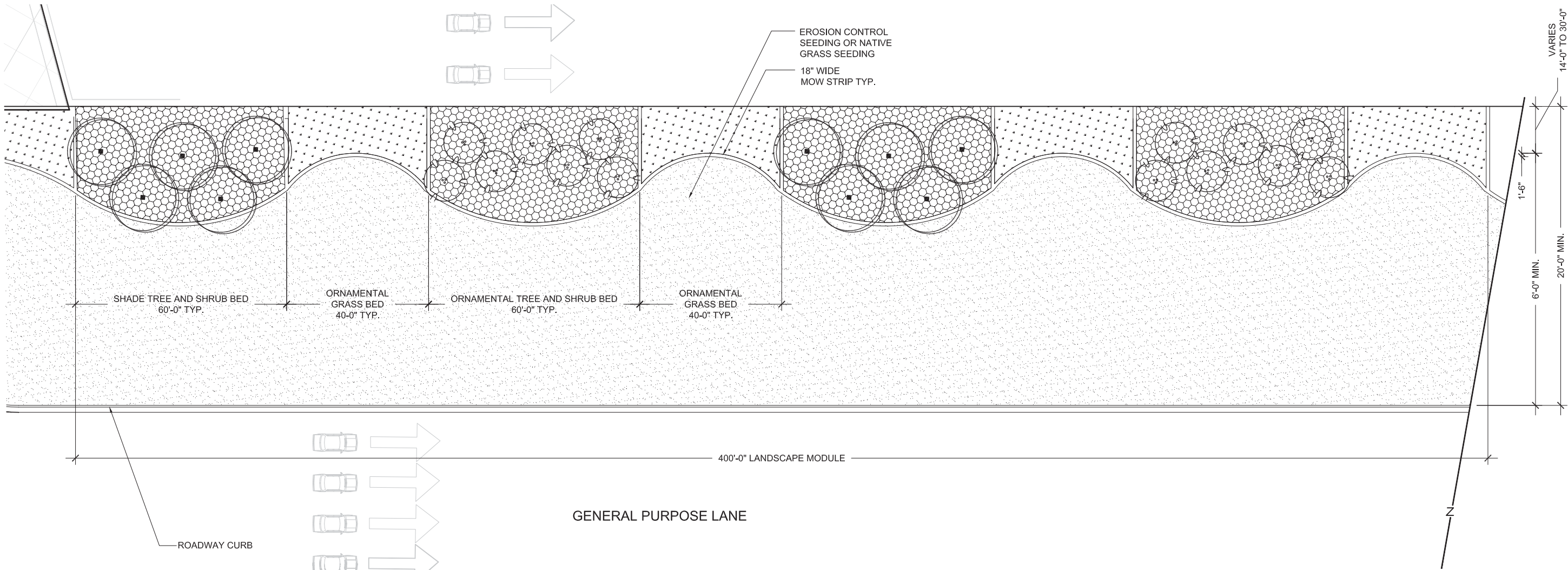
LANDSCAPE PLAN  
SCALE: NOT TO SCALE

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ROADWAY MODULE PLANTING PLAN - WITHOUT RETAINING WALLS

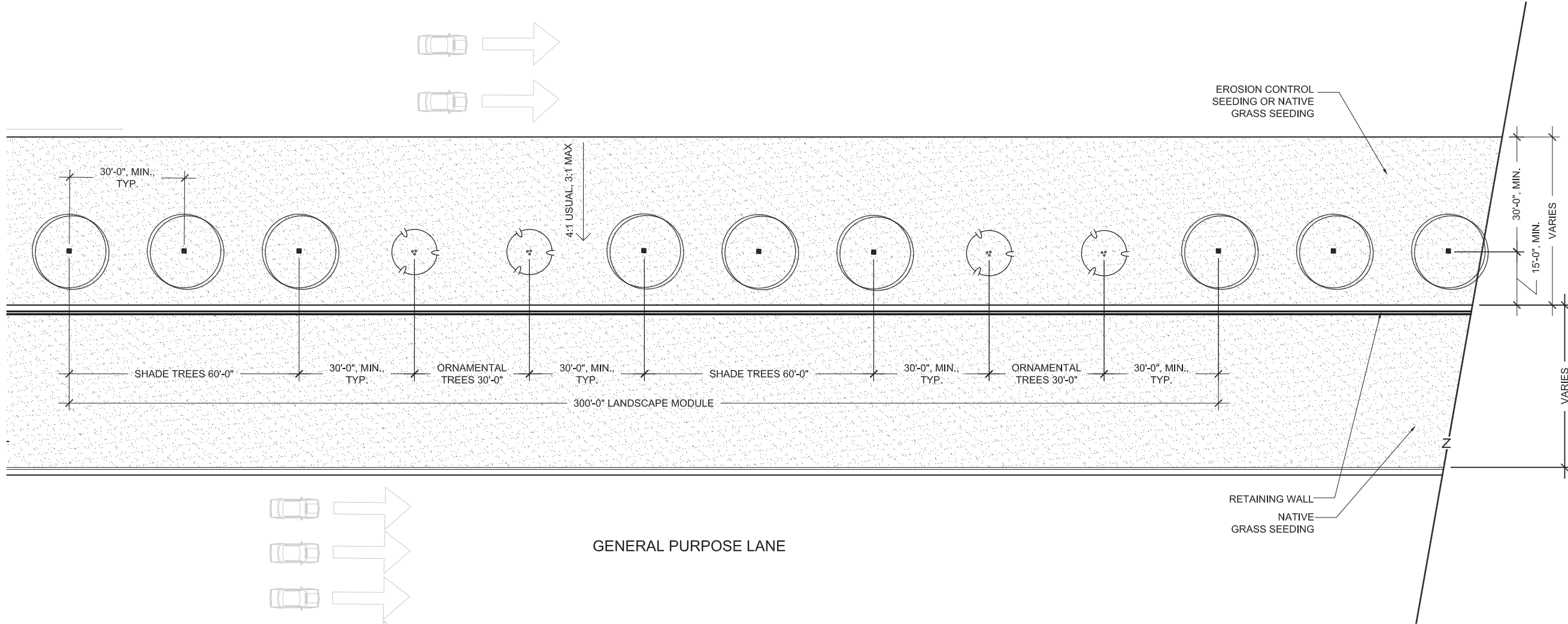
SCALE: 1" = 30'-0"

- NOTES:
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
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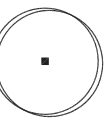
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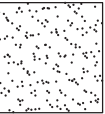



ROADWAY MODULE PLANTING PLAN - WITH RETAINING WALLS

SCALE: 1" = 30'-0"

FM 973 (WITH RETAINING WALLS) ROADWAY MODULE PLANT KEY AND REQUIREMENTS

 **SHADE TREES**  
QTY: 6 PER MODULE LENGTH OF LANDSCAPE  
SPACING: 40'-0"  
SEE SECTION, SHEET 61 FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE)

 **SEEDED NATIVE GRASS AREAS**  
SQUARE FOOTAGE OF SEED PER MODULE OF LANDSCAPE WILL VARY (CALICHE MIX)  
SEE SECTION, SHEET 61 FOR SEED MIX INFORMATION

 **ORNAMENTAL TREES**  
QTY: 4 PER MODULE LENGTH OF LANDSCAPE  
SPACING: 20'-0"  
SEE SECTION, SHEET 61 FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE)

**EROSION CONTROL SEEDING (APPLIED TO SLOPES GREATER THAN 6:1)**  
DONE IN ACCORDANCE WITH 2004 TEXAS STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES- ITEM 164 WITH THE ADDITION OF WILDFLOWER SEED MIX AS SHOWN IN TXDOT'S "BLACKLAND PRAIRIE REGION" SEED LIST (FOUND ON TXDOT'S WEBSITE)- [http://www.dot.state.tx.us/mnt/wildflower/Seed\\_List\\_htm/blackland.htm](http://www.dot.state.tx.us/mnt/wildflower/Seed_List_htm/blackland.htm)

- SITE CONDITIONS:**
1. TREES, SHRUBS AND ORNAMENTAL GRASSES SHALL NOT BE LOCATED IN DITCHES, SWALES OR ON SLOPES GREATER THAN 4:1.
  2. NO GRASS SHALL BE LOCATED ON SLOPES GREATER THAN 2:1. SLOPES GREATER THAN 2:1 SHALL RECEIVE PAVED RIP RAP.
  3. IF ANY TREES ARE LOCATED CLOSER THAN 15'-0" TO ANOTHER TREE OR STRUCTURE, THE CONTRACTOR SHALL PLACE THAT TREE(S) IN A MULCH BED. THE MULCH BED SHALL BE CONTAINED BY AN 18" WIDE MOW CURB.
  4. CONTRACTOR SHALL COORDINATE PLANT SPECIES AND PLACEMENT WITH AUSTIN-BERSTROM INTERNATIONAL AIRPORT.

- NOTES:**
1. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
  2. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING LANDSCAPE AND HARDSCAPE TREATMENTS WHERE UTILITIES WILL REMAIN.
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  4. CONTRACTOR IS RESPONSIBLE FOR LOCATING SLOPES THAT REQUIRE EROSION CONTROL SEEDING.
  5. THE PLANTING AREAS OF THIS INTERSECTION OCCUR BETWEEN STATION POINTS 11090+00 AND 11157+00.

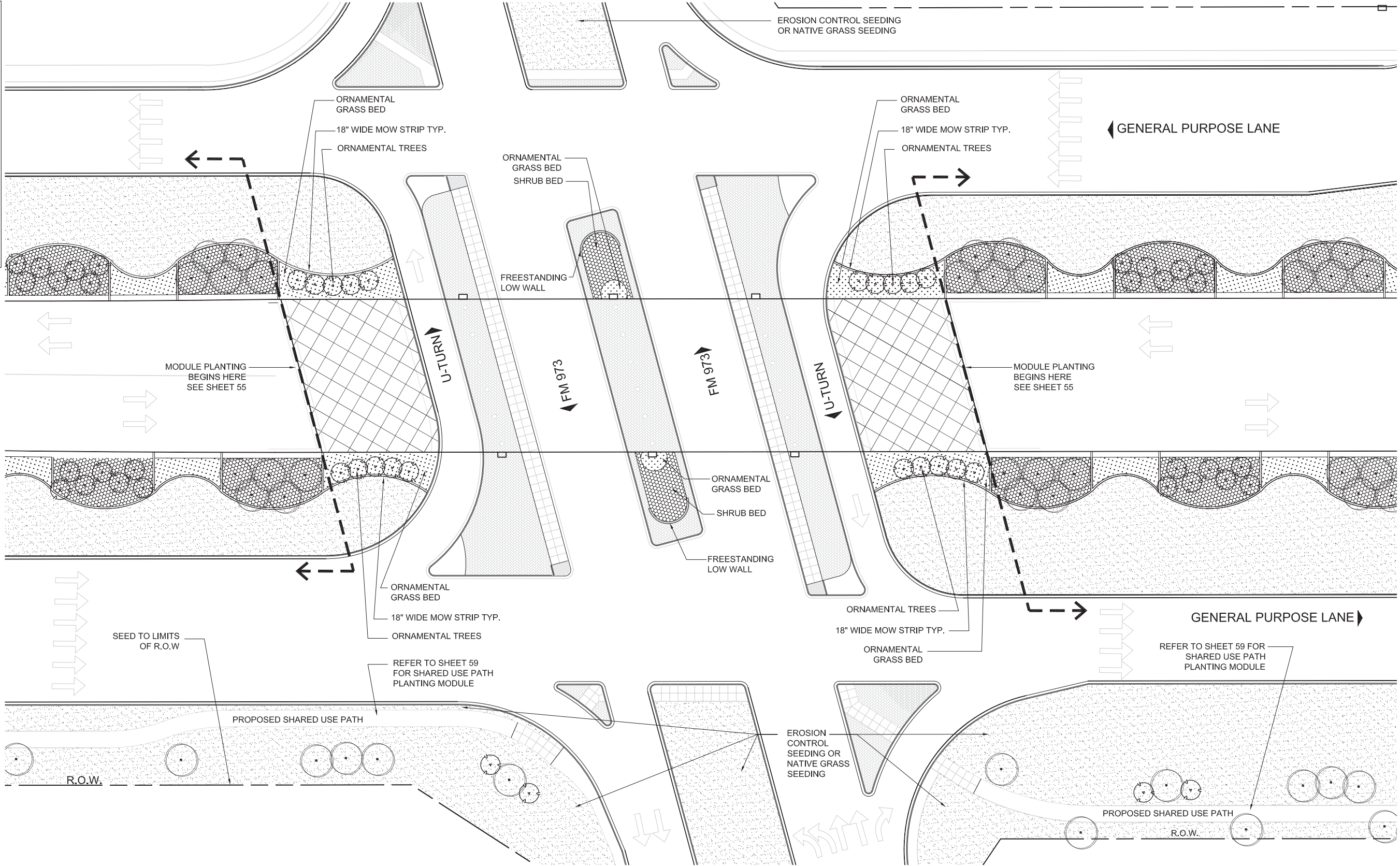
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INTERSECTION PLANTING PLAN - WITHOUT RETAINING WALLS  
SCALE: 1" = 60'-0"

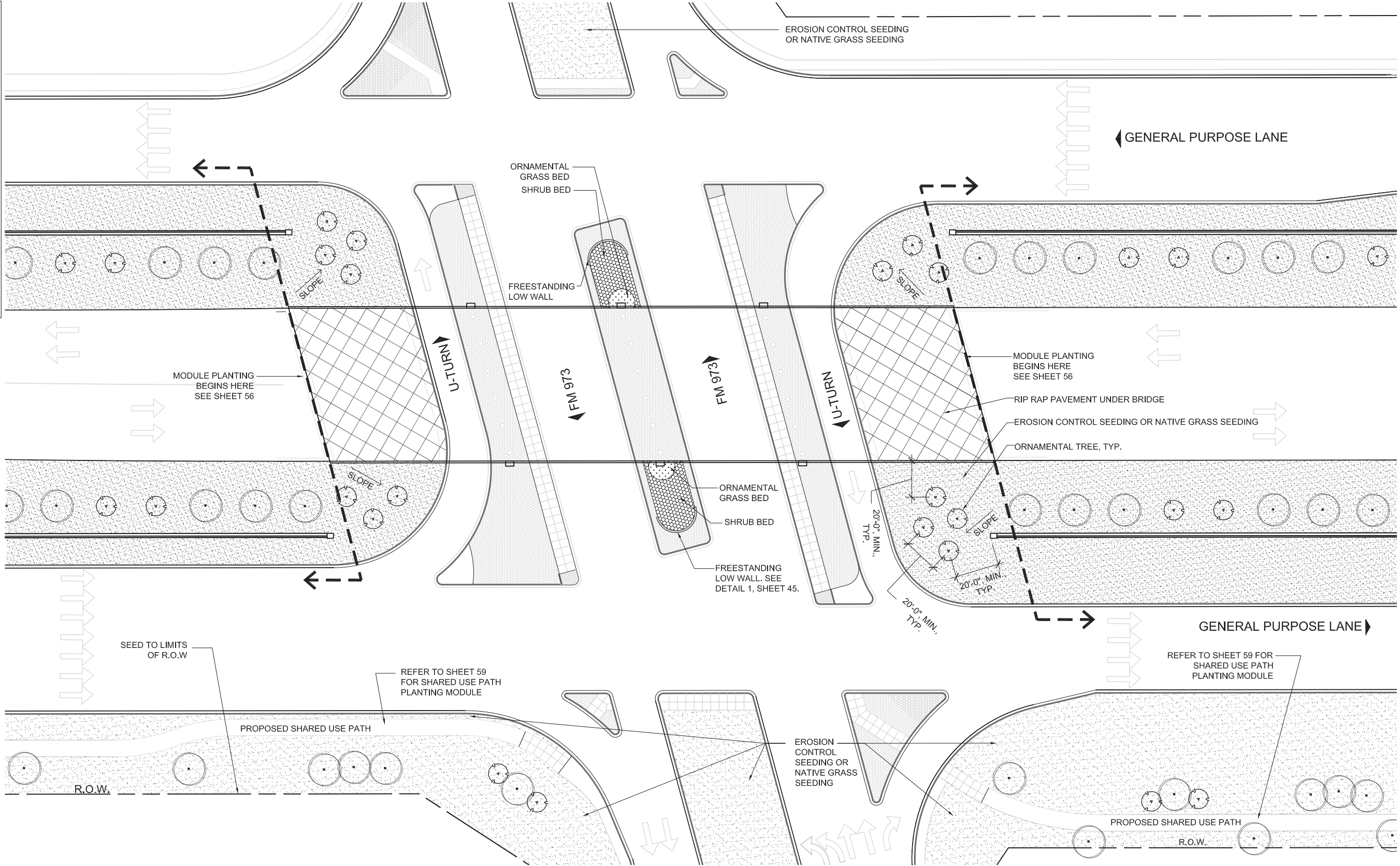
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- NOTES:
- 1. THE RETAINING WALLS SHOWN IN THIS PLAN ARE CONCEPTUAL IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING THE NEED FOR RETAINING WALLS IN THIS INTERSECTION.
  - 2. ALL TREE (SPECIES, MATURE HEIGHTS, PLACEMENT), THE SHARED USE PATH AND LIGHTING (ROADWAY, ACCENT AND BOLLARDS) SHALL BE SUBJECT TO APPROVAL BY TXDOT AND AUSTIN-BERGSTROM INTERNATIONAL AIRPORT.
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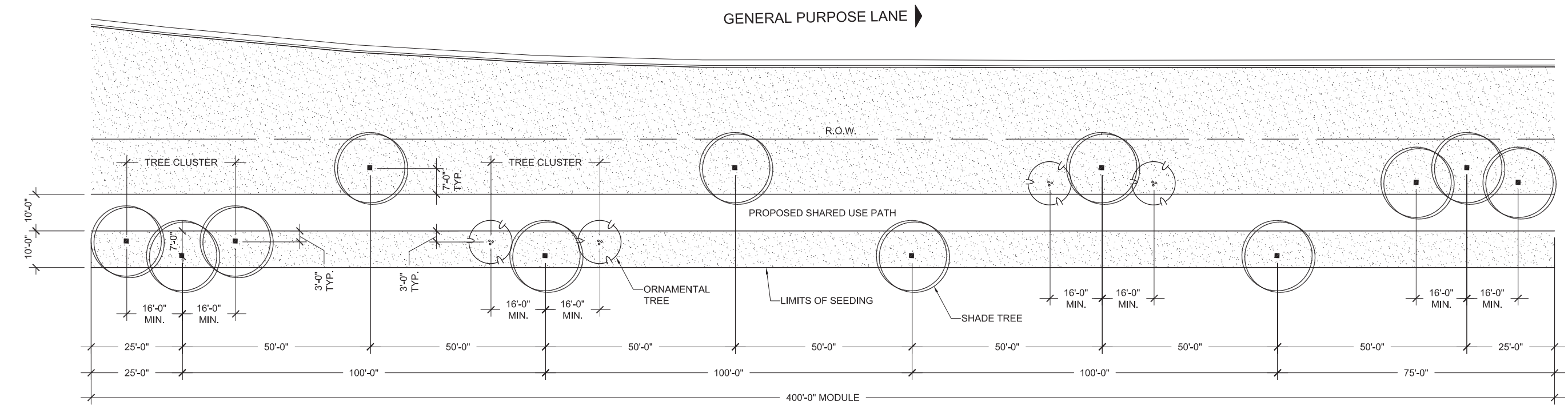
INTERSECTION PLANTING PLAN - WITH RETAINING WALLS  
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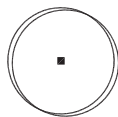




SHARED USE PATH MODULE PLANTING PLAN

SCALE: 1" = 30'-0"

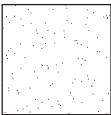
SHARED USE PATH MODULE PLANT KEY AND REQUIREMENTS



**SHADE TREES**  
QTY: 12 PER MODULE LENGTH OF LANDSCAPE  
TREE CLUSTER SPACING: 16'-0" MIN., 20'-0" MAX.  
REFER TO SHEET 61 FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE)



**ORNAMENTAL TREES**  
QTY: 4 PER MODULE LENGTH OF LANDSCAPE  
TREE CLUSTER SPACING: 16'-0" MIN., 20'-0" MAX.  
REFER TO SHEET 61 FOR SPECIES OPTIONS  
(1 SPECIES PER MODULE)



**SEEDED NATIVE GRASS AREAS**  
SQUARE FOOTAGE OF SEED PER  
MODULE OF LANDSCAPE WILL VARY  
(CALICHE MIX)  
REFER TO SHEET 61 FOR SEED MIX  
INFORMATION

**EROSION CONTROL SEEDING (APPLIED TO SLOPES GREATER THAN 6:1)**  
DONE IN ACCORDANCE WITH 2004 TEXAS STANDARD  
SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE  
OF HIGHWAYS, STREETS, AND BRIDGES- ITEM 164 WITH  
THE ADDITION OF WILDFLOWER SEED MIX AS SHOWN IN  
TXDOT'S "BLACKLAND PRAIRIE REGION" SEED LIST (FOUND  
ON TXDOT'S WEBSITE)-  
[http://www.dot.state.tx.us/mnt/wildflower/Seed\\_List\\_.htm/blackland.htm](http://www.dot.state.tx.us/mnt/wildflower/Seed_List_.htm/blackland.htm)

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REVISION 2

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TREE PROTECTION:

- A. IF A TREE/TREES IN THE R.O.W. IS/ARE DETERMINED TO BE PROTECTED, THE CONTRACTOR SHOULD FOLLOW THE CURRENT CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION BELOW.
- B. IF A TREE/TREES ON AUSTIN-BERGSTROM INTERNATIONAL AIRPORT PROPERTY IS/ARE DETERMINED TO BE PROTECTED, THE CONTRACTOR SHALL FOLLOW THE CURRENT CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION.
- C. THE CONTRACTOR SHALL COORDINATE TREE REMOVAL AND PROTECTION WITH TXDOT AND AUSTIN- BERGSTROM INTERNATIONAL AIRPORT.

CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION :

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.
2. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION.
3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.
5. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE) , FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:

A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;

B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ABORIST;

C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;

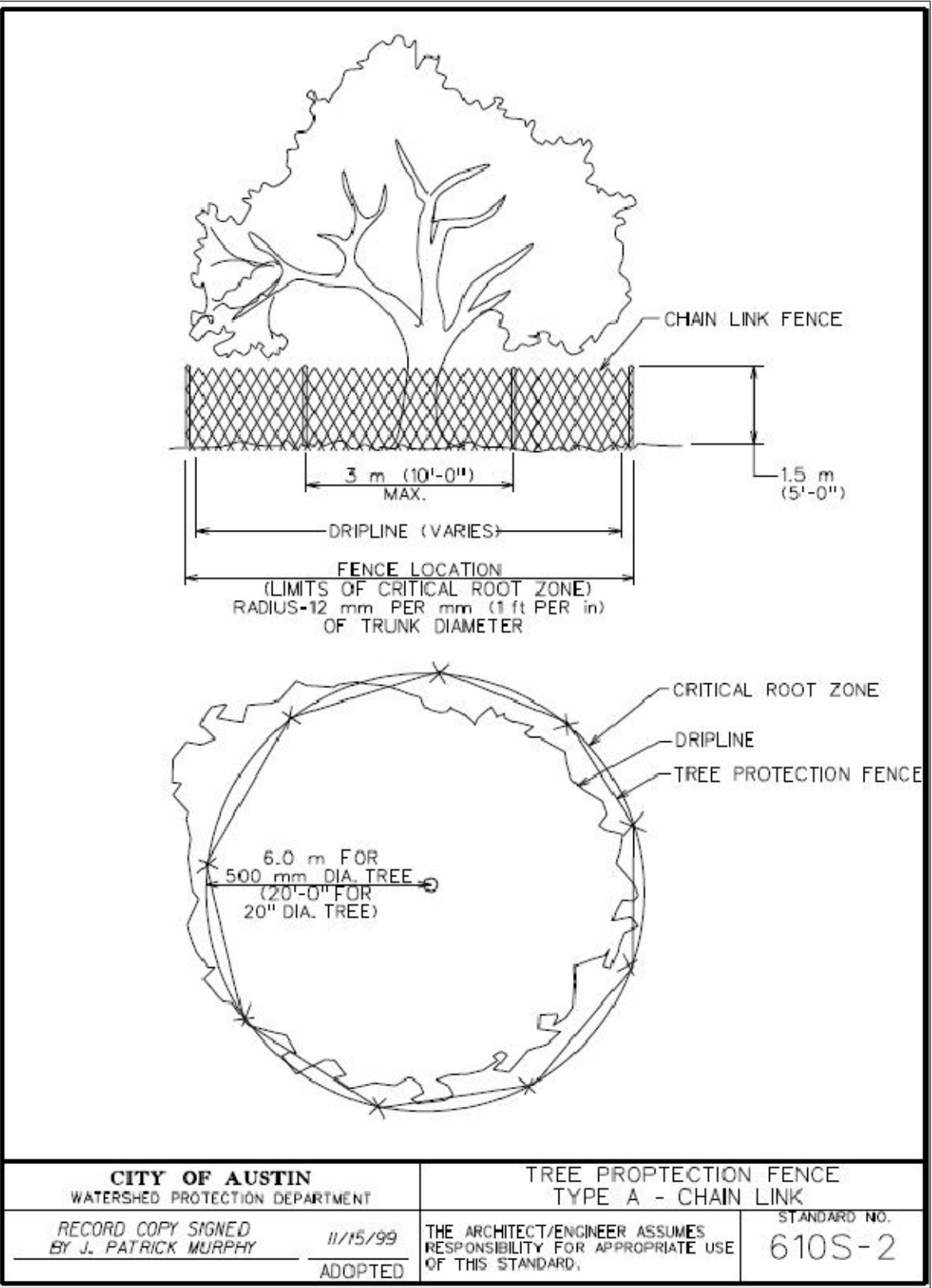
D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:

A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED;

B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZED ROOT DAMAGE);

C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING;

D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY ARBORIST AT (512) 974-1876 TO DISCUSS ALTERNATIVES.



CHAIN LINK TREE PROTECTION FENCE

SCALE: NOT TO SCALE

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PLANT MATERIAL:

1. ALL PLANT MATERIAL SHALL BE DROUGHT TOLERANT, COLD HARDY, LOW MAINTENANCE AND NATIVE OR ADAPTED SPECIES.
2. NOT ONE SHADE TREE, ORNAMENTAL TREE, SHRUB, OR ORNAMENTAL GRASS SHALL BE USED FOR MORE THAN 40% OF THE PROJECT AREA.

A MINIMUM OF THREE (3) SHADE TREE SPECIES SHALL BE USED.

A MINIMUM OF THREE (3) ORNAMENTAL TREE SPECIES SHALL BE USED.

A MINIMUM OF TWO (2) 5 GALLON SHRUBS SHALL BE USED.

A MINIMUM OF THREE (3) 3 GALLON SHRUBS SHALL BE USED.

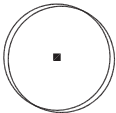
A MINIMUM OF THREE (3) 1 GALLON SHRUBS SHALL BE USED.

A MINIMUM OF THREE (3) ORNAMENTAL GRASSES SHALL BE USED.
3. IT IS NOT REQUIRED FOR ALL RECOMMENDED PLANT MATERIAL TO BE USED.
4. IF THE CONTRACTOR WOULD LIKE TO PROPOSE A PLANT THAT IS NOT IDENTIFIED IN THIS DOCUMENT, THE PLANT TYPE AND ITS SIZE CAN BE SUBMITTED TO THE OWNER FOR APPROVAL.
5. THE PLANT SIZES LISTED ARE MINIMUM REQUIREMENTS. IF ORNAMENTAL GRASSES/SHRUBS ARE NOT AVAILABLE IN THE IDENTIFIED SIZES, AN ALTERNATIVE PLANT SIZE WITH A MODIFIED SPACING CAN BE SUBMITTED TO THE OWNER FOR APPROVAL.

SITE CONDITIONS:

1. TREES, SHRUBS AND ORNAMENTAL GRASSES SHALL NOT BE LOCATED IN DITCHES OR SWALES.
2. NO PLANT MATERIAL SHALL BE LOCATED ON SLOPES GREATER THAN 3:1.
3. CONTRACTOR SHALL COORDINATE PLANT SPECIES AND PLACEMENT WITH AUSTIN-BERSTROM INTERNATIONAL AIRPORT.

ROADWAY MODULE PLANT KEY AND REQUIREMENTS



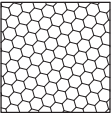
SHADE TREES

QTY: 6 PER MODULE LENGTH OF LANDSCAPE  
SPACING: 15'-0" MAX.  
SEE SECTION, THIS SHEET FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE)



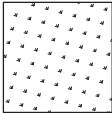
ORNAMENTAL TREES

QTY: 10 PER MODULE LENGTH OF LANDSCAPE  
SPACING: 10'-0" MAX.  
SEE SECTION, THIS SHEET FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE)



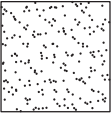
SHRUB BEDS

QTY: 4 PER MODULE LENGTH OF LANDSCAPE  
SPACING: PER PLANT LIST  
SEE SECTION, THIS SHEET FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE. REFER TO THE PLANT LIST FOR SPACING REQUIREMENTS TO DETERMINE THE NUMBER OF PLANTS PER BED.)



ORNAMENTAL GRASS BEDS

QTY: 4 PER MODULE LENGTH OF LANDSCAPE  
SPACING: PER PLANT LIST  
SEE SECTION, THIS SHEET FOR SPECIES OPTIONS  
(MIN. 2 SPECIES PER MODULE. REFER TO THE PLANT LIST FOR SPACING REQUIREMENTS TO DETERMINE THE NUMBER OF PLANTS PER BED.)



SEEDED NATIVE GRASS AREAS

SQUARE FOOTAGE OF SEED PER MODULE OF LANDSCAPE WILL VARY (CALICHE MIX)  
SEE SECTION, THIS SHEET FOR SEED MIX INFORMATION

EROSION CONTROL SEEDING (APPLIED TO SLOPES GREATER THAN 6:1)

DONE IN ACCORDANCE WITH 2004 TEXAS STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES- ITEM 164 WITH THE ADDITION OF WILDFLOWER SEED MIX AS SHOWN IN TXDOT'S "BLACKLAND PRAIRIE REGION" SEED LIST (FOUND ON TXDOT'S WEBSITE)-  
[http://www.dot.state.tx.us/mnt/wildflower/Seed\\_List\\_hm/blackland.htm](http://www.dot.state.tx.us/mnt/wildflower/Seed_List_hm/blackland.htm)

PLANT LIST

Botanical Name	Common Name	Plant Size	Spacing
SHADE TREES			
Quercus macrocarpa	Burr Oak	3"-3.5" CAL	15' MAX
Quercus texana	Texas Red Oak	3"-3.5" CAL	15' MAX
Quercus virginiana	Live Oak	3"-3.5" CAL	15' MAX
Ulmus crassifolia	Cedar Elm	3"-3.5" CAL	15' MAX
ORNAMENTAL TREES			
Cercis canadensis var. texana	Texas Redbud	2" CAL	10' MAX
Rhus lanceolata	Prairie Flameleaf Sumac	2" CAL	10' MAX
Sophora secundiflora	Texas Mountain Laurel - Multi Trunk	2" CAL	10' MAX
Ungnadia speciosa	Mexican Buckeye	2" CAL	10' MAX
SHRUBS/ PERENNIALS			
Elaeagnus pungens	Elaeagnus	5 GAL	60" MAX
Leucophyllum frutescens	Texas Sage	5 GAL	48" MAX
Mahonia trifoliolata	Agarita	5 GAL	48" MAX
Ansacanthus quadrifidus v. wrightii	Flame Acanthus	3 GAL	36" MAX
Dasyllirion texanum	Texas Sotol	3 GAL	48" MAX
Hesperaloe parviflora	Red Yucca	3 GAL	36" MAX
Hibiscus martianus	Heartleaf Rosemallow	3 GAL	36" MAX
Salvia leucantha	Mexican Bush Sage	3 GAL	36" MAX
Dalea frutescens	Black Dalea	3 GAL	36" MAX
Chrysactinia mexicana	Damianita	1 GAL	18" MAX
Glandularia bipinnatifida v bipinnatifida	Prairie Verbena	1 GAL	18" MAX
Pavonia lasiopetala	Texas Rock Rose	1 GAL	36" MAX
Penstemon triflorus	Hill Country Penstemon	1 GAL	18" MAX
Salvia greggii 'White'	White Autumn Sage	1 GAL	36" MAX
Tagetes lemmonii	Copper Canyon Daisy	1 GAL	36" MAX
ORNAMENTAL GRASSES			
Bouteloua curtipendula	Sideoats Grama	1 GAL	18" MAX
Nassella tenuissima	Mexican Feathergrass	1 GAL	18" MAX
Muhlenbergia capillaris	Gulf Muhly	1 GAL	24" MAX
Muhlenbergia lindheimerii	Lindheimer's Muhly	1 GAL	36" MAX
Schizachyrium scoparium	Little Bluestem	1 GAL	18" MAX
CALICHE SEED MIX FOR NATIVE GRASSES			
Bouteloua curtipendula	Sideoats Grama	Refer to TxDOT Specifications for Rates.	
Bouteloua gracilis	Blue Grama		
Buchloe dactyloides	Buffalograss		
Elymus canadensis	Prairie Wildrye		
Eragrostis trichodes (Nutt.) Wood	Sand Lovegrass		
Leptochloa dubia	Green Sprangletop		
Schizachyrium scoparium	Little Bluestem		
Sporobolus cryptandrus (Torr.) Gray	Sand Dropseed		

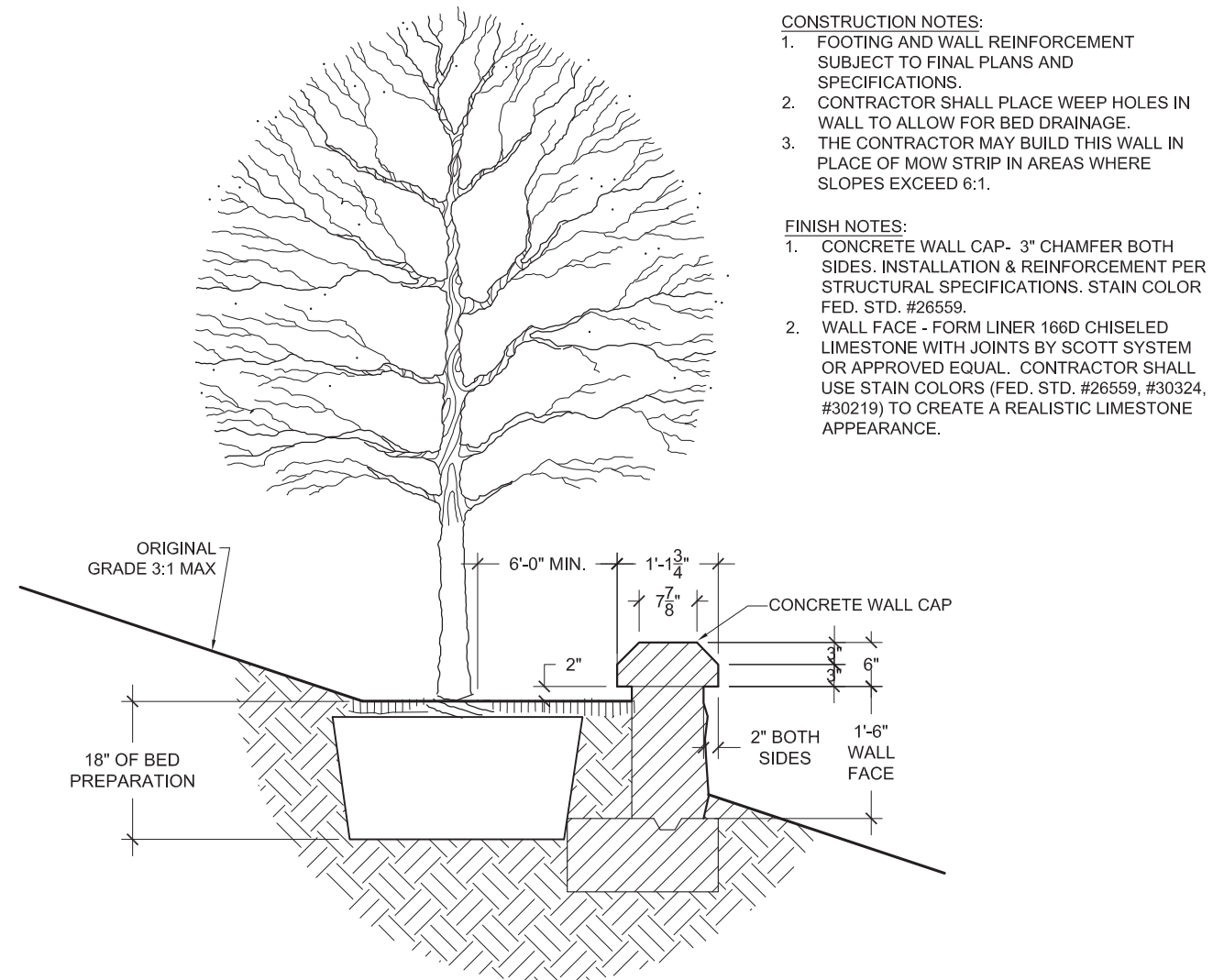
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



REVISION

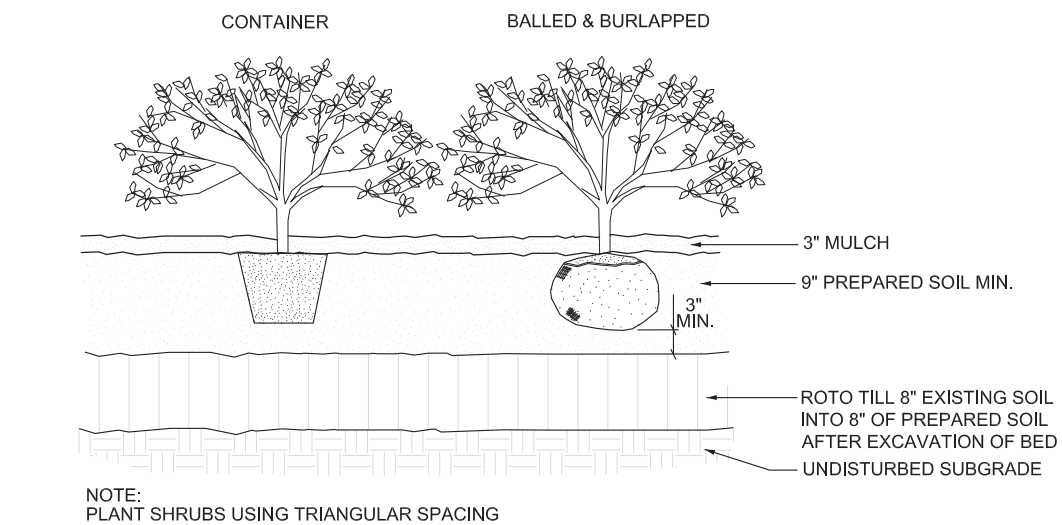
\* NOT INTENDED FOR PERMIT OR CONSTRUCTION. ALL MATERIALS, DETAILS, AND LOCATION OF ELEMENTS SHOWN AS PART OF THIS DOCUMENT ARE SUBJECT TO FINAL PLANS AND SPECIFICATIONS.





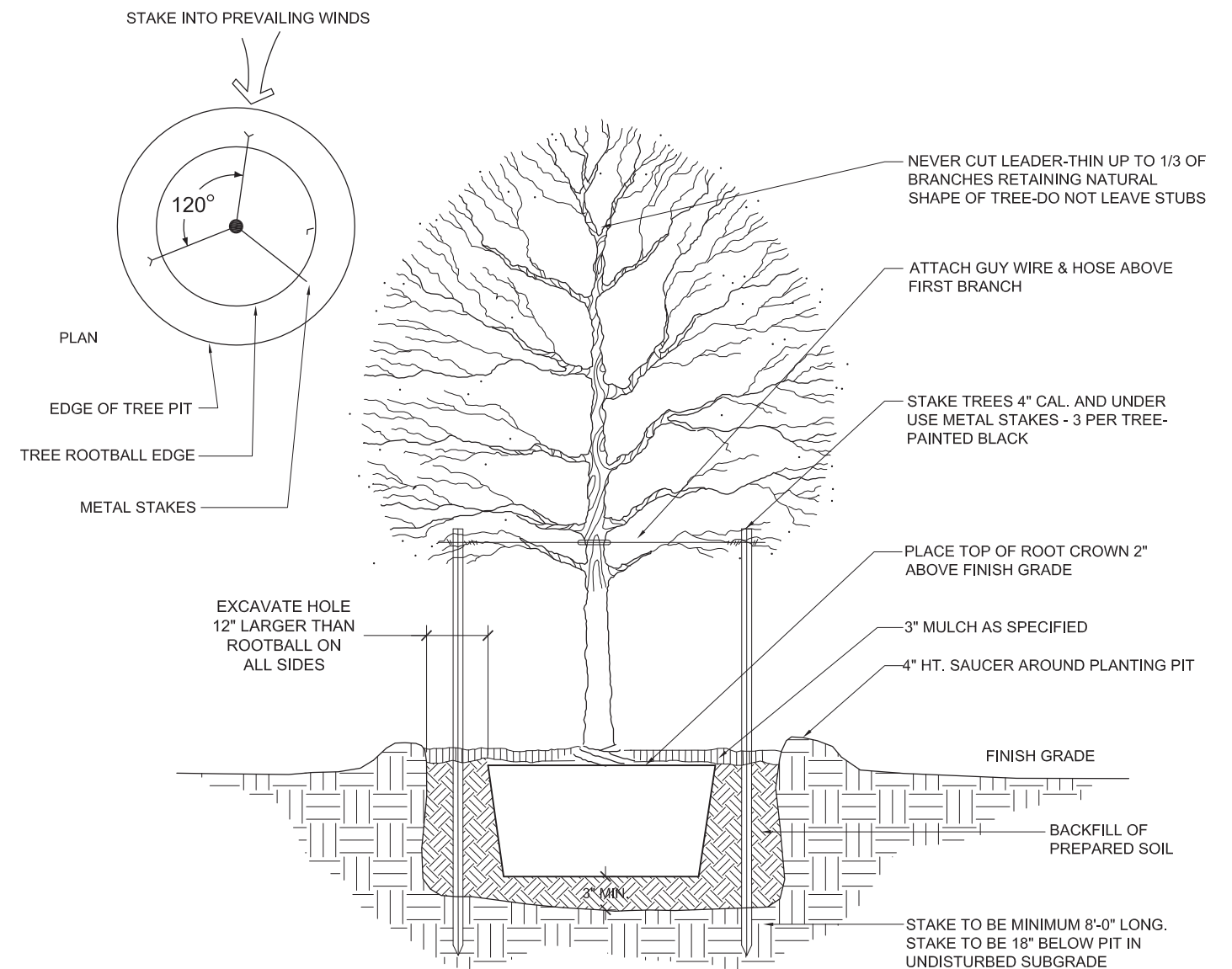
# 1 PLANT INSTALLATION ON SLOPES STEEPER THAN 6:1

SCALE: NOT TO SCALE



## 2 SHRUB BED AND BED PREPARATION DETAIL

SCALE: NOT TO SCALE



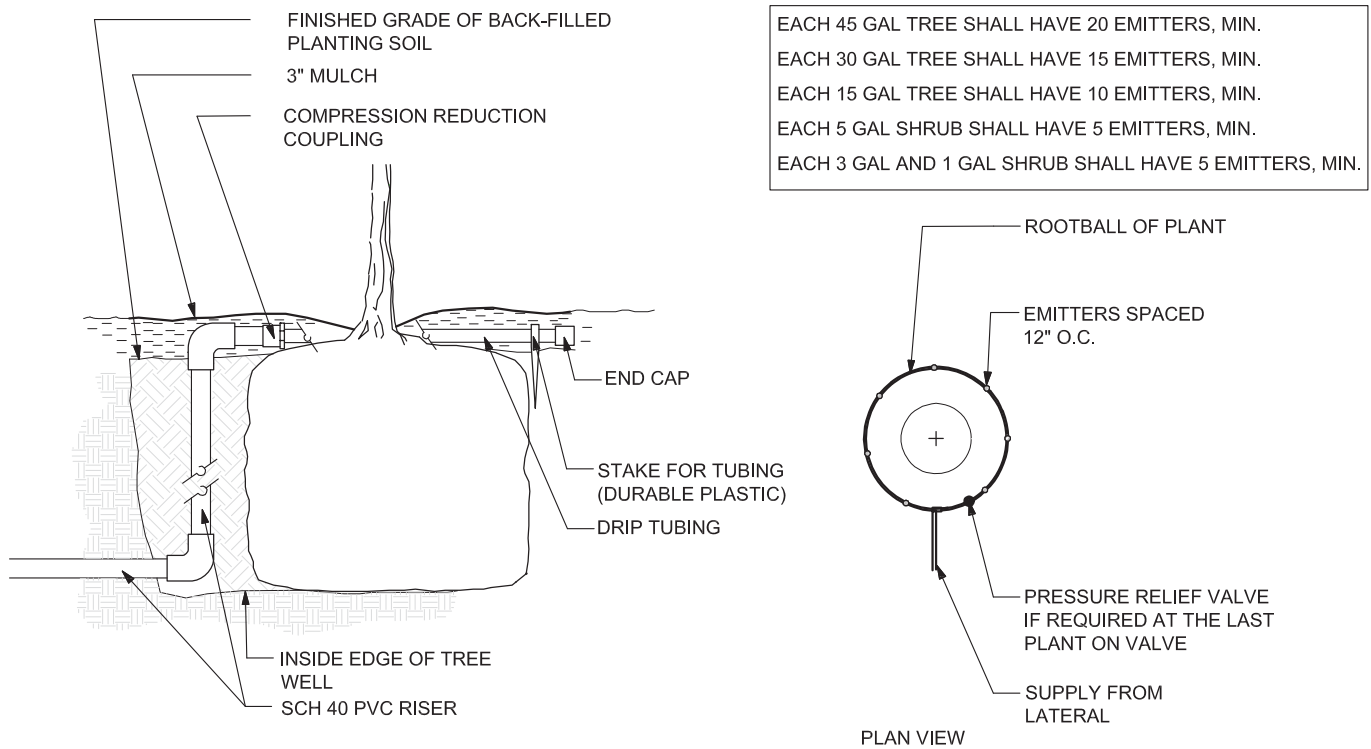
### 3 SHRUB BED AND BED PREPARATION DETAIL

SCALE: NOT TO SCALE

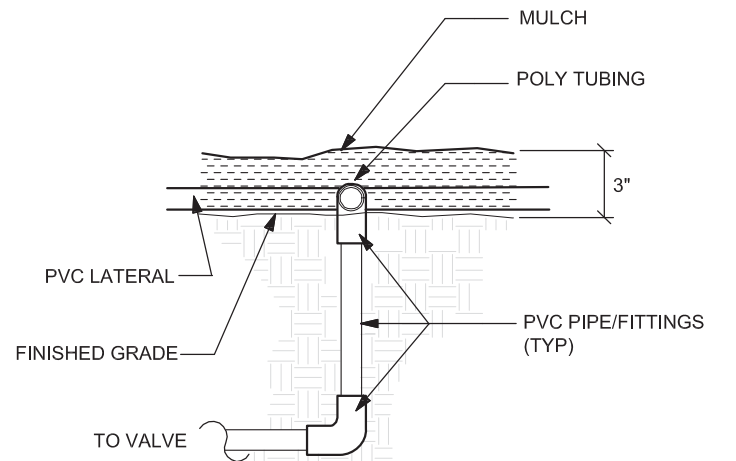
DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.

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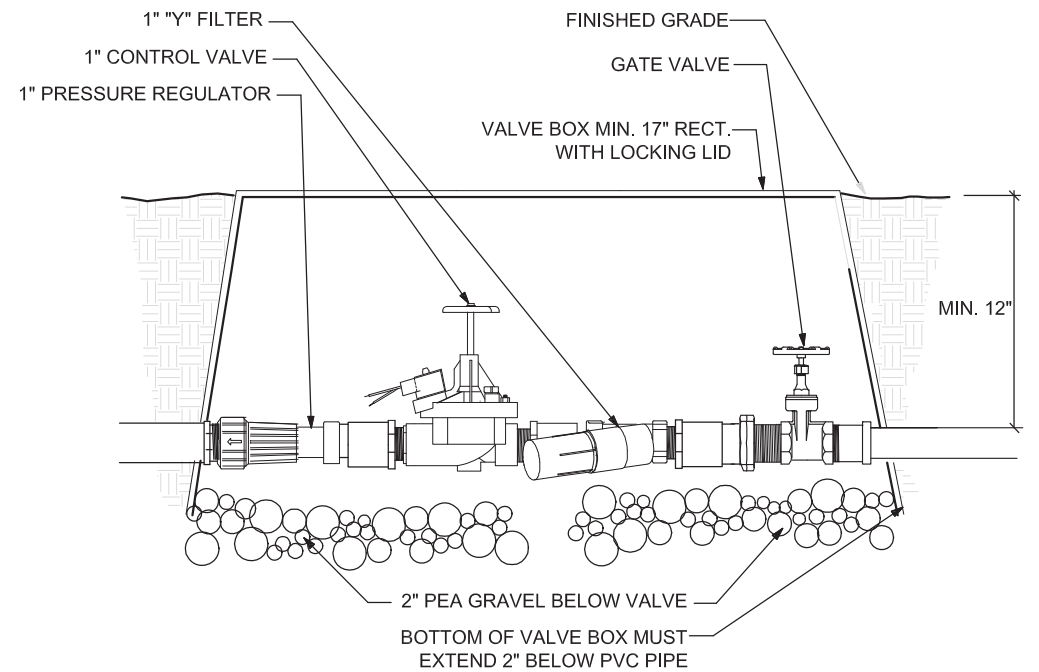
**1** TYPICAL INSTALLATION OF DRIP IRRIGATION AT TREES  
SCALE: NOT TO SCALE



**2** TYPICAL DRIP IRRIGATION PVC/ HEADER CONNECTION  
SCALE: NOT TO SCALE

**NOTES:**

1. ALL LANDSCAPE PLANTING BEDS AND TREES SHALL HAVE DRIP IRRIGATION WITH POWER CONTROLLERS. ALL IRRIGATION IMPROVEMENTS SHALL BE OF OPERATIONAL QUALITY FOR A MINIMUM OF 5 YEARS.
2. INSTALLATION OF ALL IRRIGATION SYSTEMS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF AUSTIN SITE DEVELOPMENT PERMIT - IRRIGATION NOTES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES REQUIRED, AND FOR THE PAYMENT OF ALL FEES NECESSARY FOR THE INSTALLATION AND OPERATION OF THE IRRIGATION SYSTEM.
4. IRRIGATION SYSTEMS SHALL MAINTAIN A DISTANCE BETWEEN TREES AND STRUCTURES EQUAL TO OR GREATER THAN THE RADIUS OF THE MATURE DRIPLINE.
5. CONTRACTOR SHALL PROVIDE TXDOT WITH AN IRRIGATION DESIGN AND SUBMITTALS FOR REVIEW AND APPROVAL.
6. IRRIGATION CONTROLLER(S) LOCATION(S) SHALL BE APPROVED BY TXDOT.
7. IRRIGATION CONTROLLER(S) SHALL BE A.C.

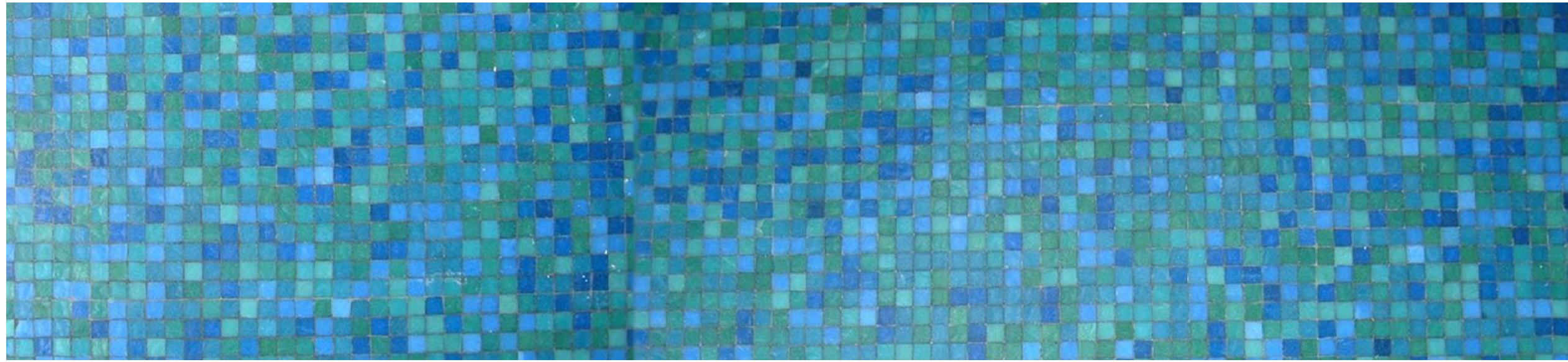


**3** TYPICAL VALVE ASSEMBLY FOR DRIP IRRIGATION SECTION  
SCALE: NOT TO SCALE




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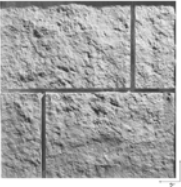











## 8.0 FINISH SCHEDULE

FORM LINER	STAIN COLOR	FACILITY ELEMENTS	STAIN COLOR	FACILITY ELEMENTS
	 <div>FED. STD. #30324</div>	STANDARD TRAFFIC BARRIER TEXTURE ATOP RETAINING WALLS T551 TRAFFIC BARRIER ATOP RETAINING WALLS MSE WALL BRIDGE ABUTMENT WALL (PRESIDENTIAL BOULEVARD)	 <div>FED. STD. #26152</div>	STEEL ELLIPSE HSS LIGHT POLE AND ARM
166A CHISELED LIMESTONE SCOTT SYSTEM (OR APPROVED EQUAL)				

FORM LINER	STAIN COLOR	FACILITY ELEMENTS
	 <div>FED. STD. #26559</div>	FEATURE WALL PILASTER CAP AND BASE RETAINING WALL PILASTER CAP & BASE BRIDGE ABUTMENT WALL PILASTER BASE (PRESIDENTIAL BOULEVARD) PYLONS "A" THROUGH "D" CAP & BASE SIGN STRUCTURE CAP & BASE
166B 1 1/4" CHISELED LIMESTONE SCOTT SYSTEM (OR APPROVED EQUAL)		

FORM LINER	STAIN COLOR(S)			FACILITY ELEMENTS
	 <div>FED. STD. #26559</div>	 <div>FED. STD. #30324</div>	 <div>FED. STD. #30219</div>	FEATURE WALL MSE RETAINING WALL SLOPED RETAINING WALL STANDARD TRAFFIC BARRIER AT BRIDGE T551 TRAFFIC BARRIER AT BRIDGE LOW WALL FREE STANDING LOW WALL PLANT INSTALLATION ON SLOPES STEEPER THAN 6:1
166D CHISELED LIMESTONE W/ JOINTS SCOTT SYSTEM (OR APPROVED EQUAL)				

FORM LINER	STAIN COLOR(S)			FACILITY ELEMENTS
	 <div>FED. STD. #26559</div>	 <div>FED. STD. #30324</div>	 <div>FED. STD. #30219</div>	FEATURE WALL PILASTER TRUNK KEYSTONE ARCH AT FEATURE WALL RETAINING WALL PILASTER TRUNK BRIDGE ABUTMENT WALL PILASTER TRUNK (PRESIDENTIAL BOULEVARD) PYLONS "A" THROUGH "D" TRUNK SIGN STRUCTURE TRUNK
167B ASHLAR STONE B SCOTT SYSTEM (OR APPROVED EQUAL)				

DIMENSIONS ARE APPROXIMATE AND ARE FOR PROPORTIONAL RELATIONSHIPS. ALL DIMENSIONS OF EXISTING ELEMENTS REQUIRE FIELD VERIFICATION. FIELD ADJUSTMENTS TO LAYOUT ARE EXPECTED.



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