

 **Texas Department of Transportation**
IH635 MANAGED LANES PROJECT

BOOK 2A: ATTACHMENT 15-1A

SEPTEMBER 2007

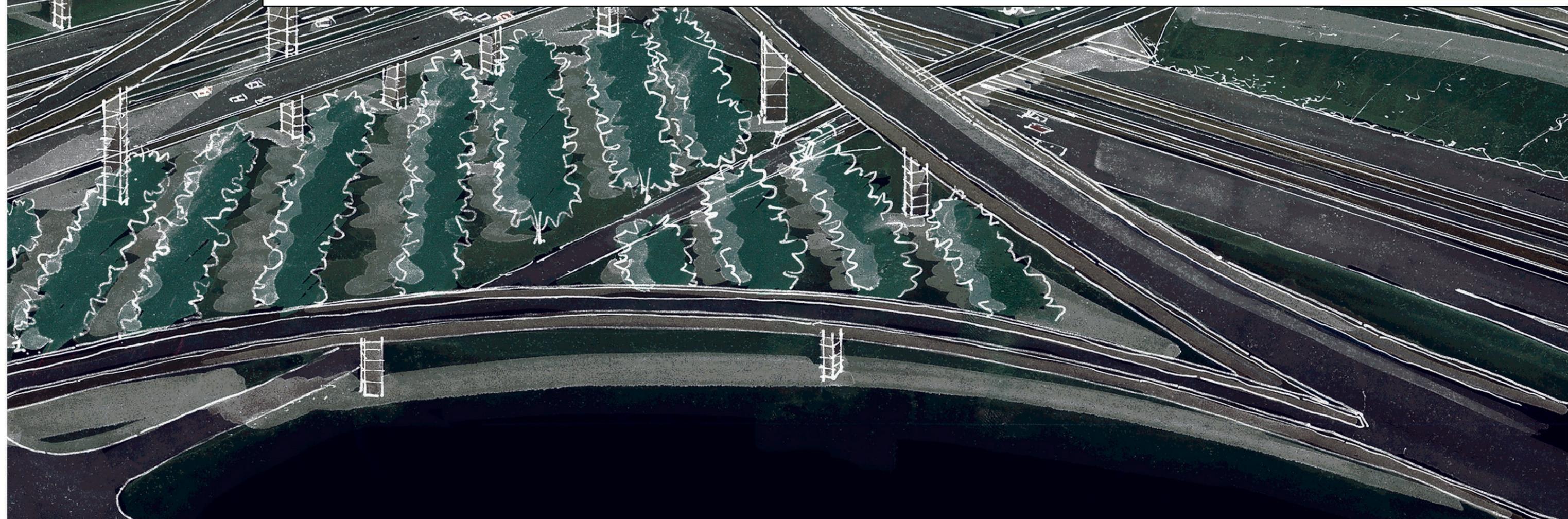


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Aesthetic Guideline Overview

The Urban design guidelines for the IH-35E and IH-635 corridors, establish the criteria manual for preliminary engineering of the highway corridor aesthetics. The design criteria provided serves as the primary standard guidelines necessary to produce the intended aesthetic form, function and appearance for the IH-635 Managed Lanes Project. These guidelines are to be incorporated into final engineering designs.

The intent of Attachment 15-1A, is to provide the developer with general and minimum guidelines used to establish continuity throughout the corridor. The developer may provide alternate solutions for construction, placement, but shall not deviate from the intended concept and design intent. Any such deviation will result in failure to comply with the Technical Provisions. Flexibility will be given to accommodate process, procedures, innovative techniques, and specific design elements.

In addition to the design intent of the Urban design guidelines, the developer shall provide a plan for community involvement. Community involvement shall be provided to allow the local community, cities, and land owners an opportunity to enhance the corridor. The Developer shall provide a plan that accomplishes the following:

1. Program for community involvement.
2. Plans for landscaping, hardscape, and any other aesthetics to be accomplished by the Developer, but paid for by the community. All landscaping, hardscape, or any addition aesthetic treatments within the ROW shall be Approved by TxDOT.
3. Developer shall provide an overall master plan that is to include sketches, elevations, plan, and details as needed to describe the enhancement agreed upon by the Developer and communities for approval.

Design Theme

Upon review of many schemes for the IH-35E corridor and IH-635 corridor the following can be used to summarize the aesthetic goals for the corridors.

1. Fast paced, directional, and should be modern, clean, and provide a sense of scale.
2. Terrain, elevation changes 180+ feet from highest point to lowest point within corridor. This represents strata.
3. 'Is' Fast paced highway surrounded by mixed use land
4. Modernize- color, energy, inviting
5. Incorporated both modern theme and native landscaping.

With in this attachment, are items that indicate the intended visual appearance of the corridor; however, there are elements that have not yet been established or need further establishment. This establishment shall be developed by the Developer and provided during all phases of the developers process. In addition to Attachment 15-1A, the Reference Information Document (RID) has been compiled to provide the developer with sketches, images, and ideas of what the design intent of the corridors shall look like when completed. Also within the RID, there are photographs that indicate construction details that should be avoided or improved upon.

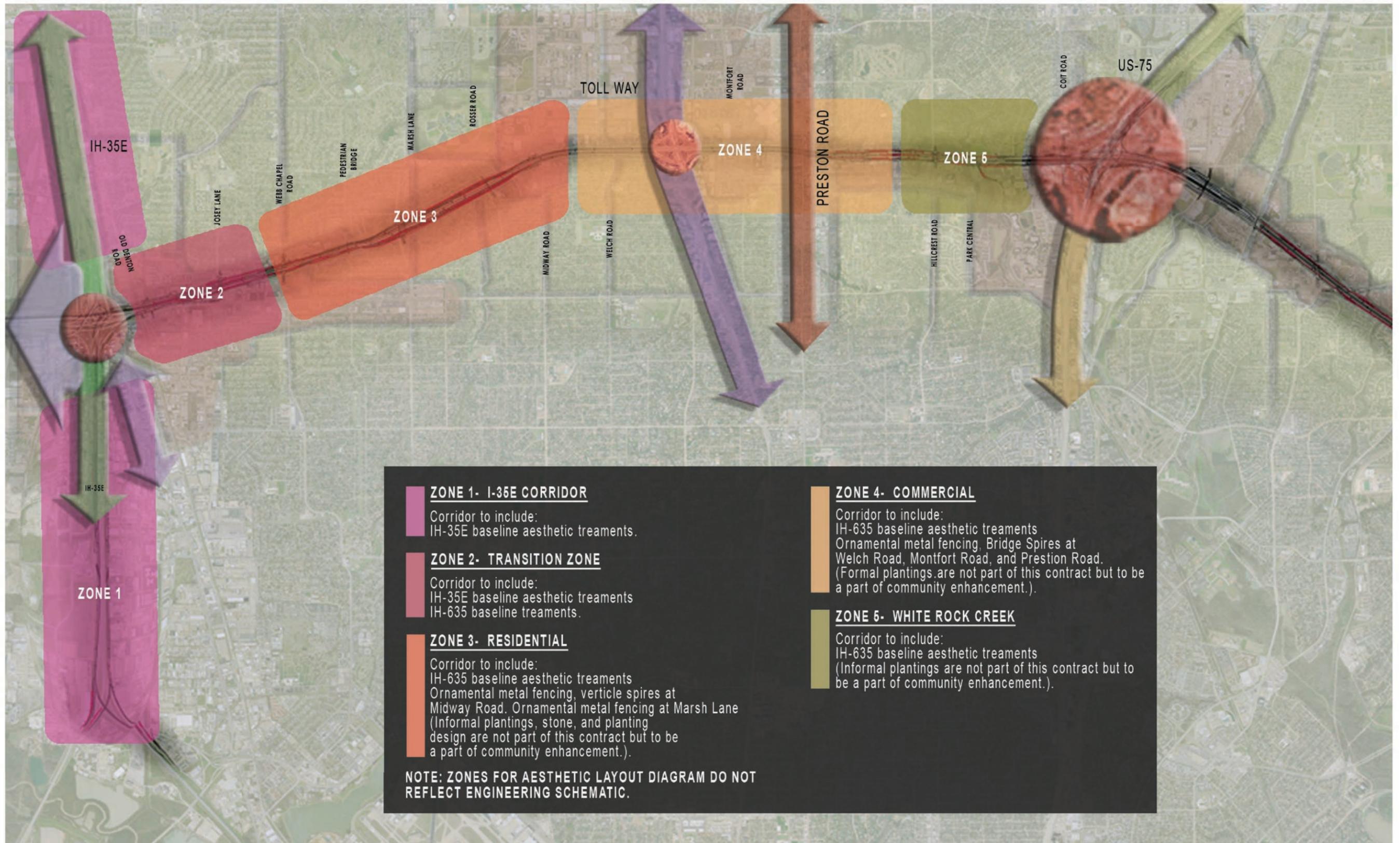
It is the understanding of TxDOT that this corridor has the ability to be developed in various stages called Interim-design and Ultimate design. This attachment B-6 does not distinguish between Interim-design and Ultimate design. All constructed materials shall provide the final appearance regardless of phase of construction. Any 3rd party agreements shall be constructed upon the discretion and agreement of the developer and local community, but shall remain within the limits of the design intent provided herein



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ZONE 1- I-35E CORRIDOR
 Corridor to include:
 IH-35E baseline aesthetic treatments.

ZONE 2- TRANSITION ZONE
 Corridor to include:
 IH-35E baseline aesthetic treatments
 IH-635 baseline treatments.

ZONE 3- RESIDENTIAL
 Corridor to include:
 IH-635 baseline aesthetic treatments
 Ornamental metal fencing, verticle spires at Midway Road. Ornamental metal fencing at Marsh Lane (Informal plantings, stone, and planting design are not part of this contract but to be a part of community enhancement.)

ZONE 4- COMMERCIAL
 Corridor to include:
 IH-635 baseline aesthetic treatments
 Ornamental metal fencing, Bridge Spires at Welch Road, Montfort Road, and Prestion Road. (Formal plantings are not part of this contract but to be a part of community enhancement.)

ZONE 5- WHITE ROCK CREEK
 Corridor to include:
 IH-635 baseline aesthetic treatments
 (Informal plantings are not part of this contract but to be a part of community enhancement.)

NOTE: ZONES FOR AESTHETIC LAYOUT DIAGRAM DO NOT REFLECT ENGINEERING SCHEMATIC.

DATE: 09/12/2007	SCALE: N.T.S.	SHEET CONTENTS: AESTHETIC LAYOUT DIAGRAM	ATTACHMENT: 15-1A	SHEET NUMBER: 0.02
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IH-35E COLOR PALLET

STANDARD COLOR PALLET



Primary Color:
Ermine SW1023



Secondary Color:
Grid Gray SW1026



Accent Color:
Florentino Green KM395-M

IH-635 COLOR PALLET

HARDSCAPE COLOR PALLET



Primary Color:
Pavestone Charcoal



Secondary Color:
Pavestone Pewter

IH 635/SUBSURFACE MANAGED LANES COLOR PALLET



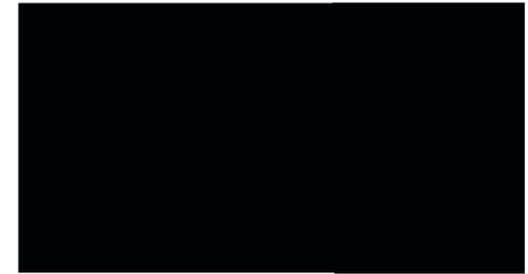
Primary Color:
Ermine SW1023



Secondary Color:
Grid Gray SW1026



Secondary Color:
Countrified Blue SW1509

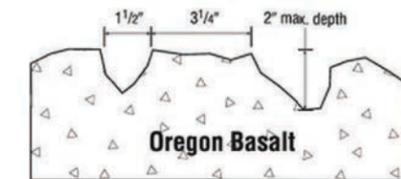
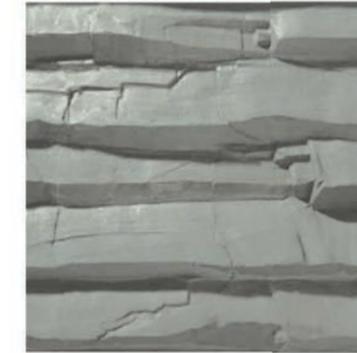


Tunnel Ceiling and Fence Color:
Black of Night SW 6993

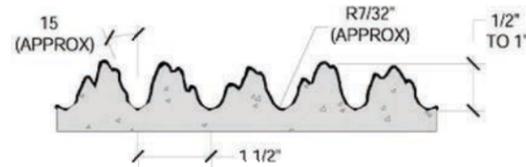
IH-635 AND IH-35E STANDARD CONCRETE FINISHES



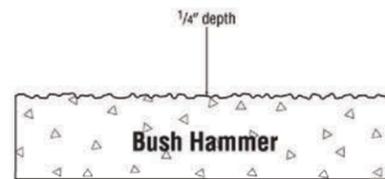
Smooth Finish:
No Texture



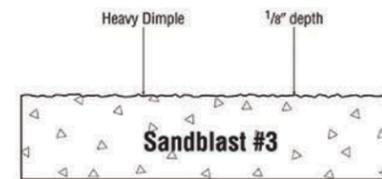
Oregon Basalt Finish:
Scott System #175
Oregon Basalt



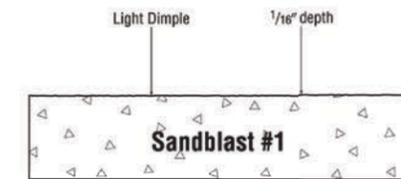
1" Fractured Fin:
Greenstreak #373
Fractured Fin



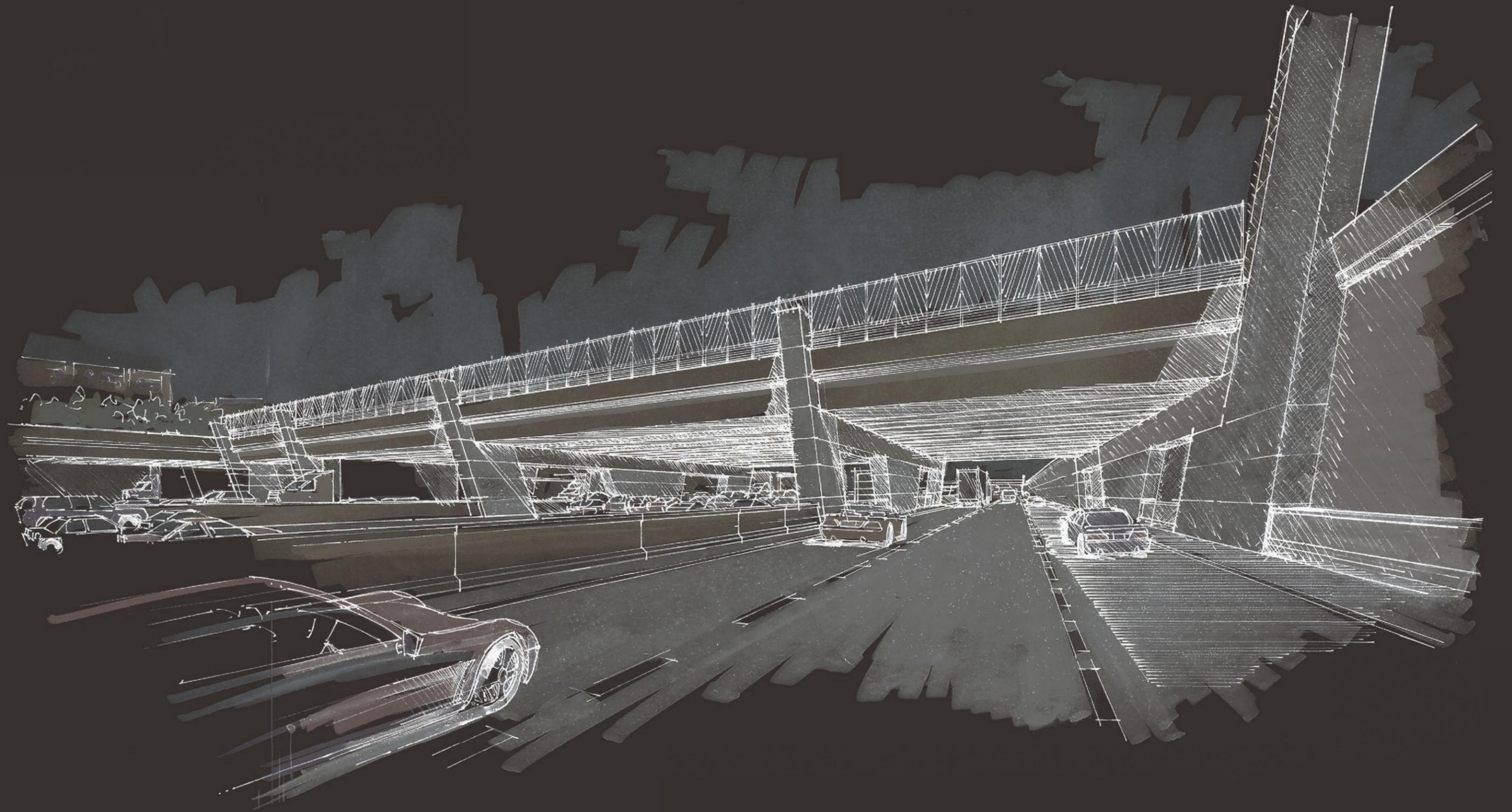
1/4" Bush Hammer Finish:
Scott System #162A
Bush Hammer



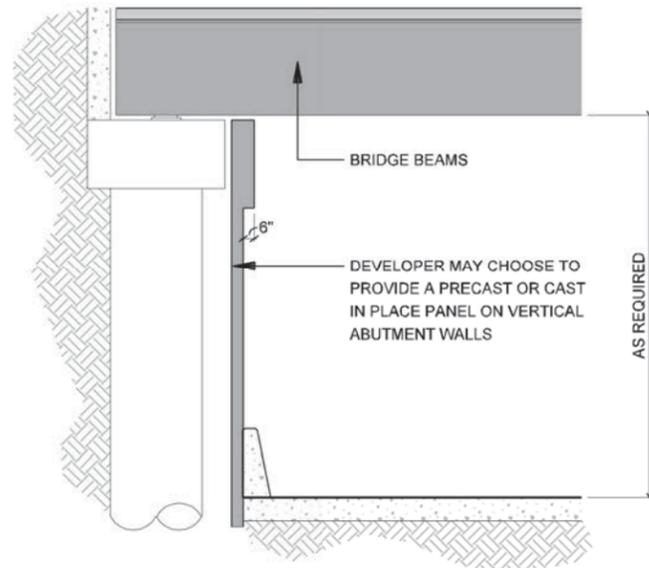
Heavy Sandblast Finish:
Scott System #121
Sandblast #3



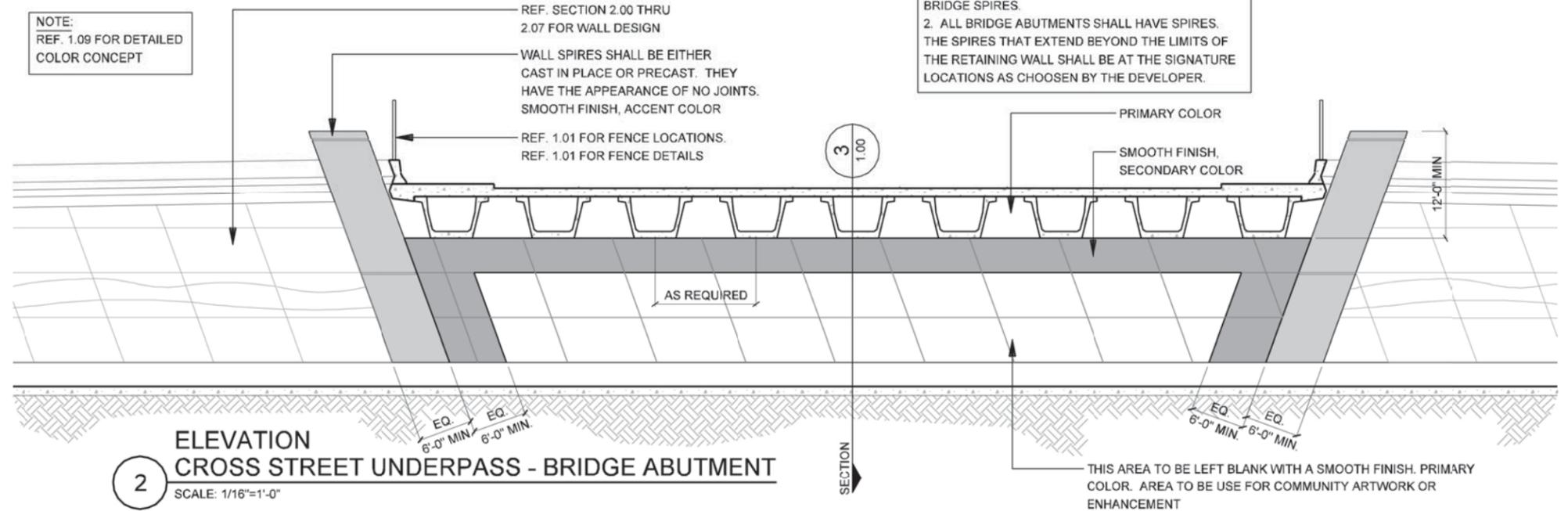
Light Sandblast Finish:
Scott System #119
Sandblast #1



BRIDGE AESTHETICS



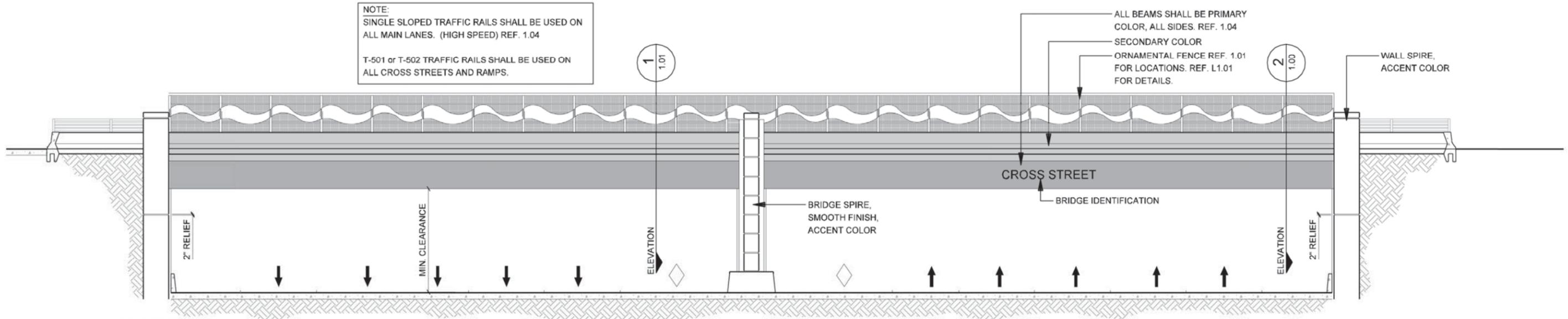
3 SECTION
BRIDGE - COLUMNS
SCALE: 1/8"=1'-0"



2 ELEVATION
CROSS STREET UNDERPASS - BRIDGE ABUTMENT
SCALE: 1/16"=1'-0"

NOTE:
1. DEVELOPER IS RESPONSIBLE FOR WORKING OUT THE DESIGN OF THE MSE WITH RELATION TO THE BRIDGE SPIRES.
2. ALL BRIDGE ABUTMENTS SHALL HAVE SPIRES. THE SPIRES THAT EXTEND BEYOND THE LIMITS OF THE RETAINING WALL SHALL BE AT THE SIGNATURE LOCATIONS AS CHOSEN BY THE DEVELOPER.

DEFINITION: CROSS STREET UNDERPASS - MAINLANE OF IH635 PASSES UNDER CROSS STREET BRIDGES.



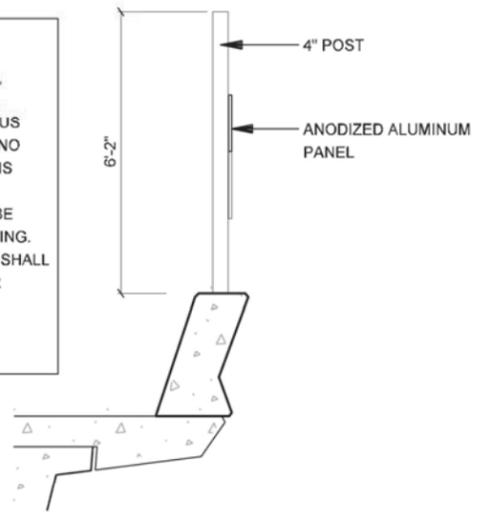
1 ELEVATION
CROSS STREET UNDERPASS - FRONT VIEW
SCALE: 1/16"=1'-0"

NOTE:
REF. 1.09 FOR DETAILED COLOR CONCEPT

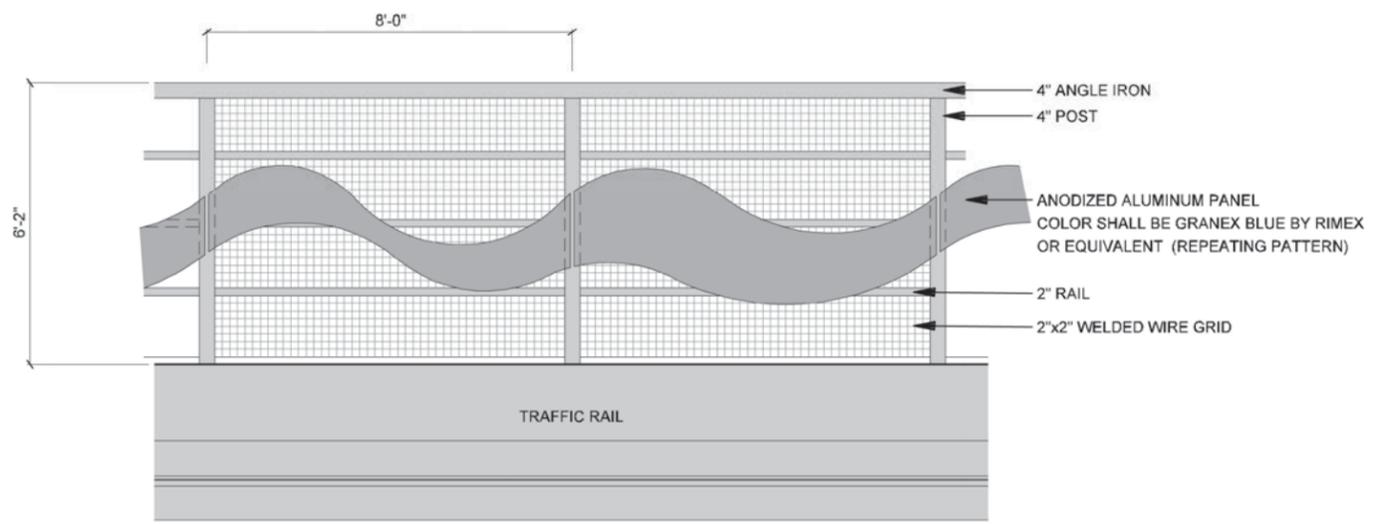
NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: BRIDGE AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 1.00
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NOTE:
 DEVELOPER SHALL DEVELOP CONCEPT AND LOCATION FOR SECURITY FENCING AT R.O.W., SECURITY FENCING, RAILROAD CROSSINGS AND FENCING FOR RESIDENTIAL ADJACENCY. FENCING SHALL HAVE A CLEAN CONTINUOUS AND ORDERLY APPEARANCE THROUGHOUT CORRIDOR. NO STANDARD CHAIN LINK FENCING SHALL BE USED ON THIS CORRIDOR. DEVELOPER SHALL CHOOSE OR DESIGN A FENCE OTHER THAN STANDARD CHAINLINK THAT WILL BE USED FOR SECURITY FENCING OR ACCESSIBILITY FENCING. ALL FENCING DESIGNS, FENCE COLORS AND LOCATION SHALL BE APPROVED PRIOR TO CONSTRUCTION. (DEVELOPER SHALL ENSURE THAT COORDINATION WITH RAIL ROADS MUNICIPALITIES, AND ALL OTHER PROPERTY OWNERS HAS TAKEN PLACE WITH REGARDS TO FENCING.)



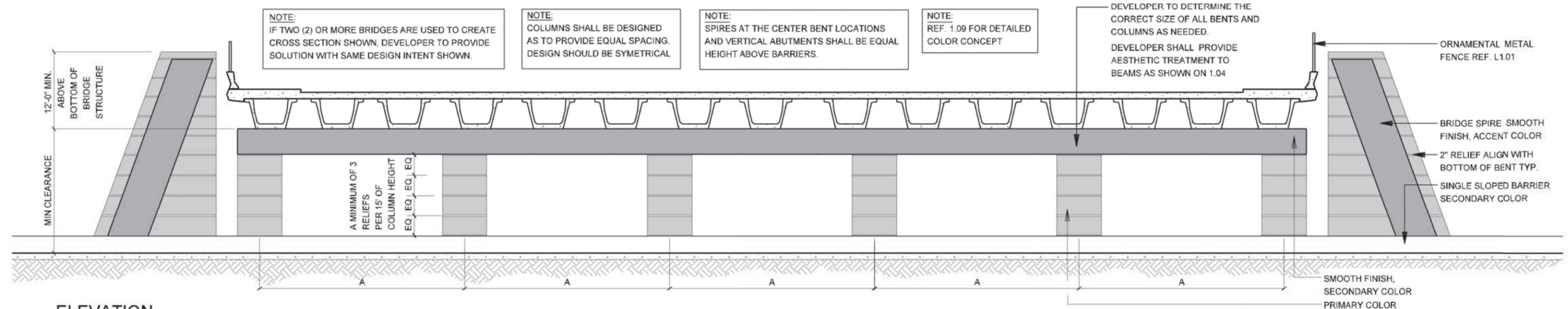
DEVELOPER SHALL DEVELOP METHOD OF CONSTRUCTION FOR FENCE DETAIL.



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



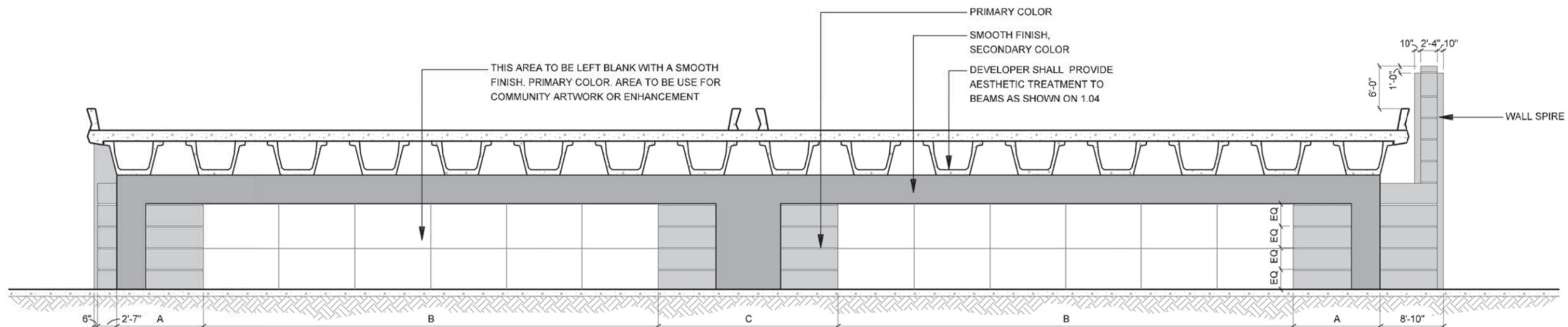
PLAN: BENT (SHOWN WITHOUT BEAMS AND ROAD STRUCTURE)



1 ELEVATION CROSS STREET UNDERPASS - BENT ELEVATION
 SCALE: 1/16"=1'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

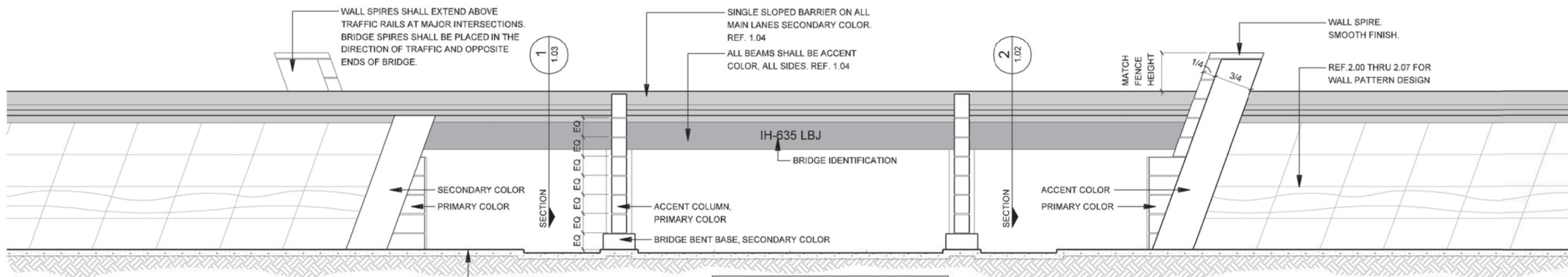
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2
ELEVATION
CROSS STREET OVERPASS - BRIDGE ABUTMENT
 SCALE: 1/16"=1'-0"

NOTE:
 REF. 1.10 FOR DETAILED
 COLOR CONCEPT

DEFINITION: CROSS STREET OVERPASS - MAINLANE OF IH635 PASSES OVER CROSS STREET BRIDGES.



1
ELEVATION
CROSS STREET OVERPASS - FRONT VIEW
 SCALE: 1/16"=1'-0"

NOTE:
 REF. 1.10 FOR DETAILED
 COLOR CONCEPT

NOTE:
 SINGLE SLOPED TRAFFIC RAILS SHALL BE USED ON
 ALL MAIN LANES.
 T-501 OR T-502 TRAFFIC RAILS SHALL BE USED ON
 ALL CROSS STREETS AND RAMPS.

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:
 09/12/2007

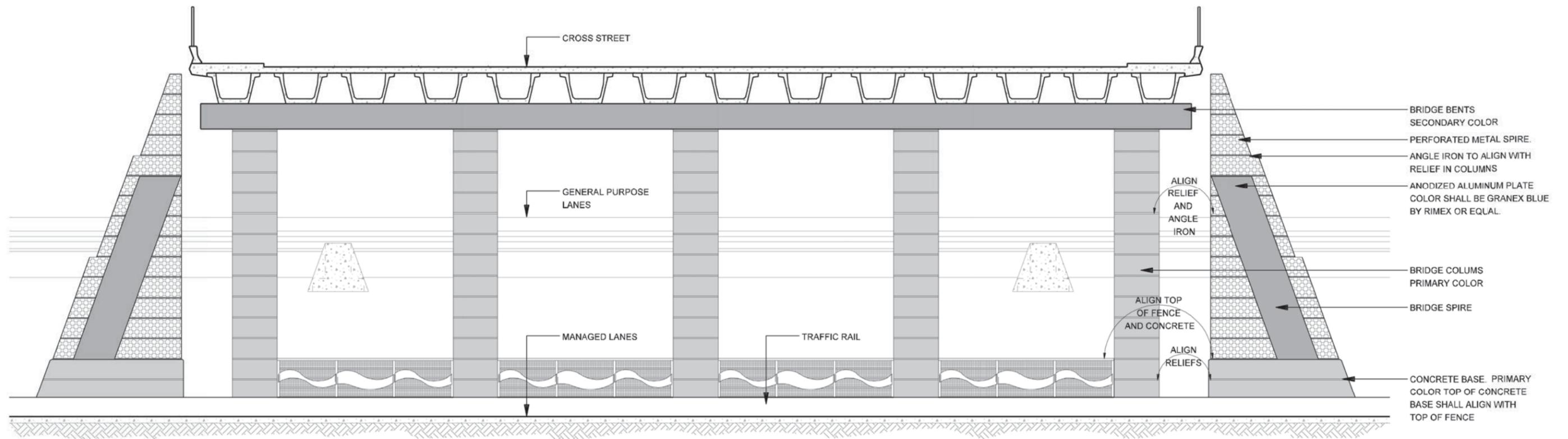
SCALE:
 AS NOTED

SHEET CONTENTS:
 BRIDGE AESTHETICS

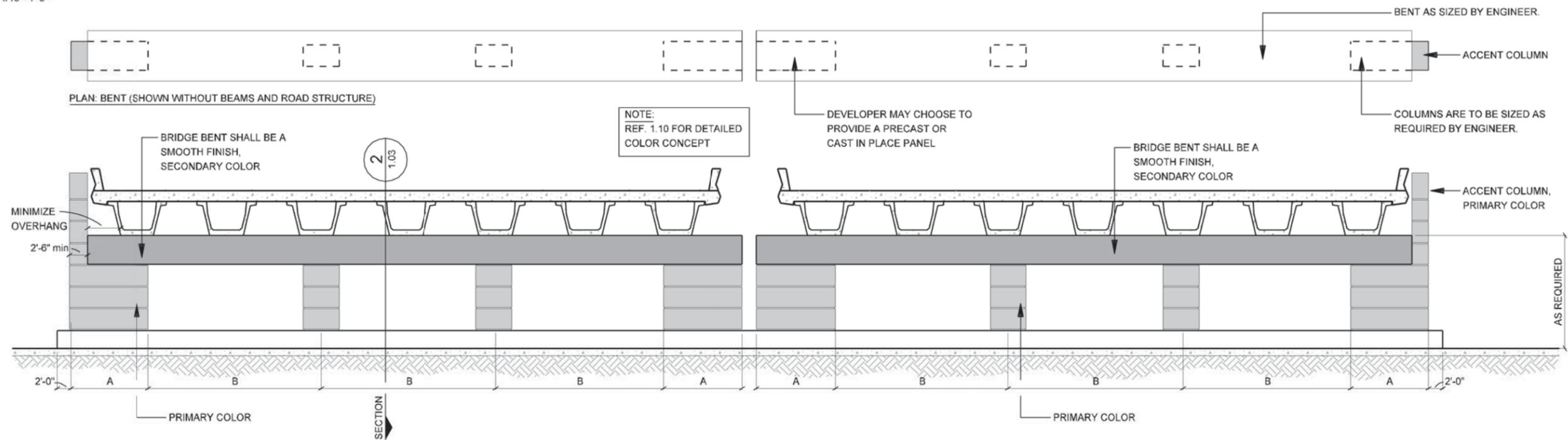
ATTACHMENT:
 15-1A

SHEET NUMBER:

1.02



2 ELEVATION
CROSS STREET UNDER PASS - U-WALL
SCALE: 1/16"=1'-0"



1 ELEVATION
CROSS STREET OVERPASS - BENT ELEVATION
SCALE: 1/16"=1'-0"

NOTE:
IF TWO (2) OR MORE BRIDGES ARE USED TO CREATE
CROSS SECTION SHOWN, DEVELOPER TO PROVIDE
SOLUTION WITH SAME DESIGN INTENT SHOWN.



IH635 MANAGED
LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

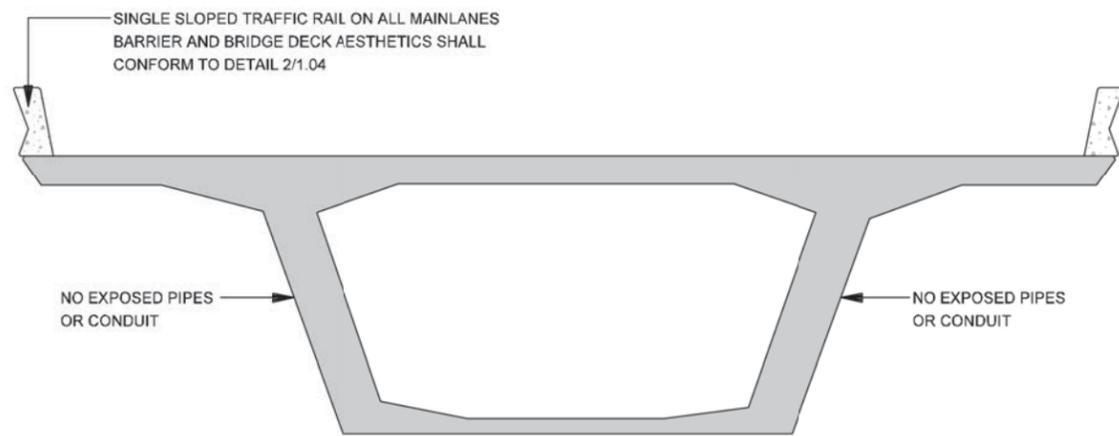
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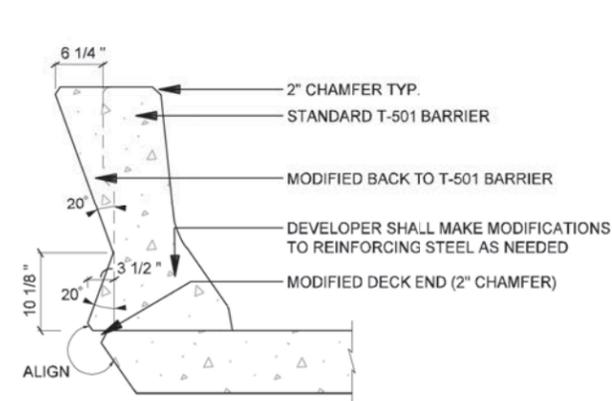
SHEET CONTENTS:
BRIDGE AESTHETICS

ATTACHMENT:
15-1A

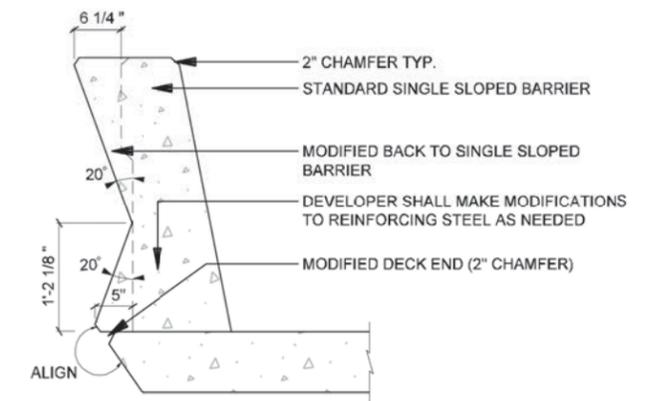
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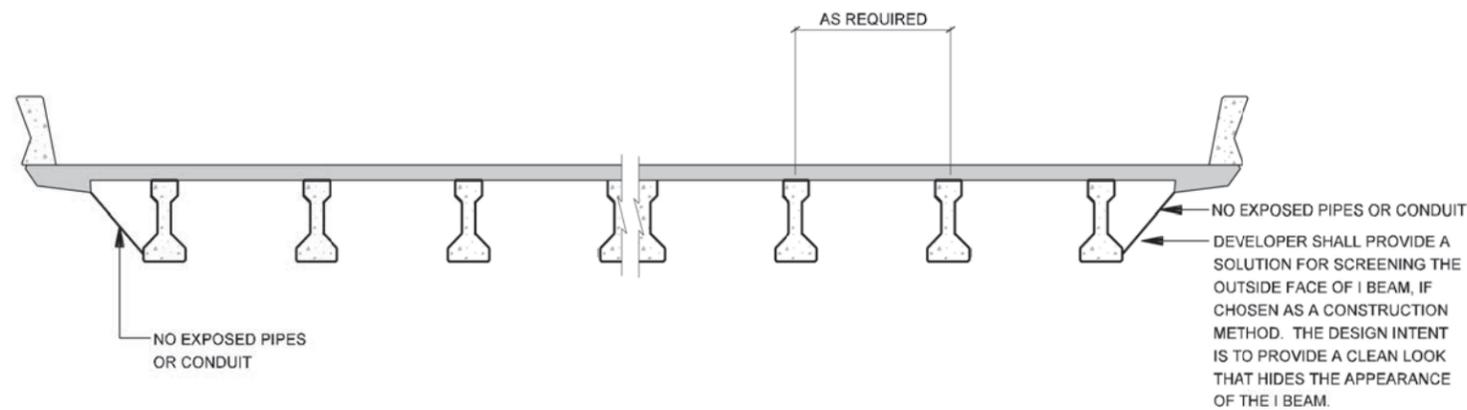
5 SECTION
SEGMENTAL BRIDGE CONSTRUCTION.
SCALE: NTS



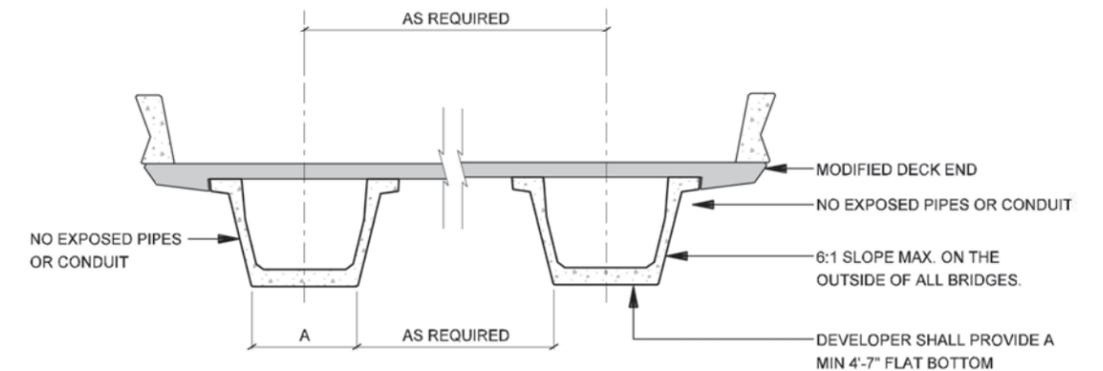
4 SECTION
MODIFIED T-501, T-502 BARRIER
SCALE: 1/2"=1'-0"



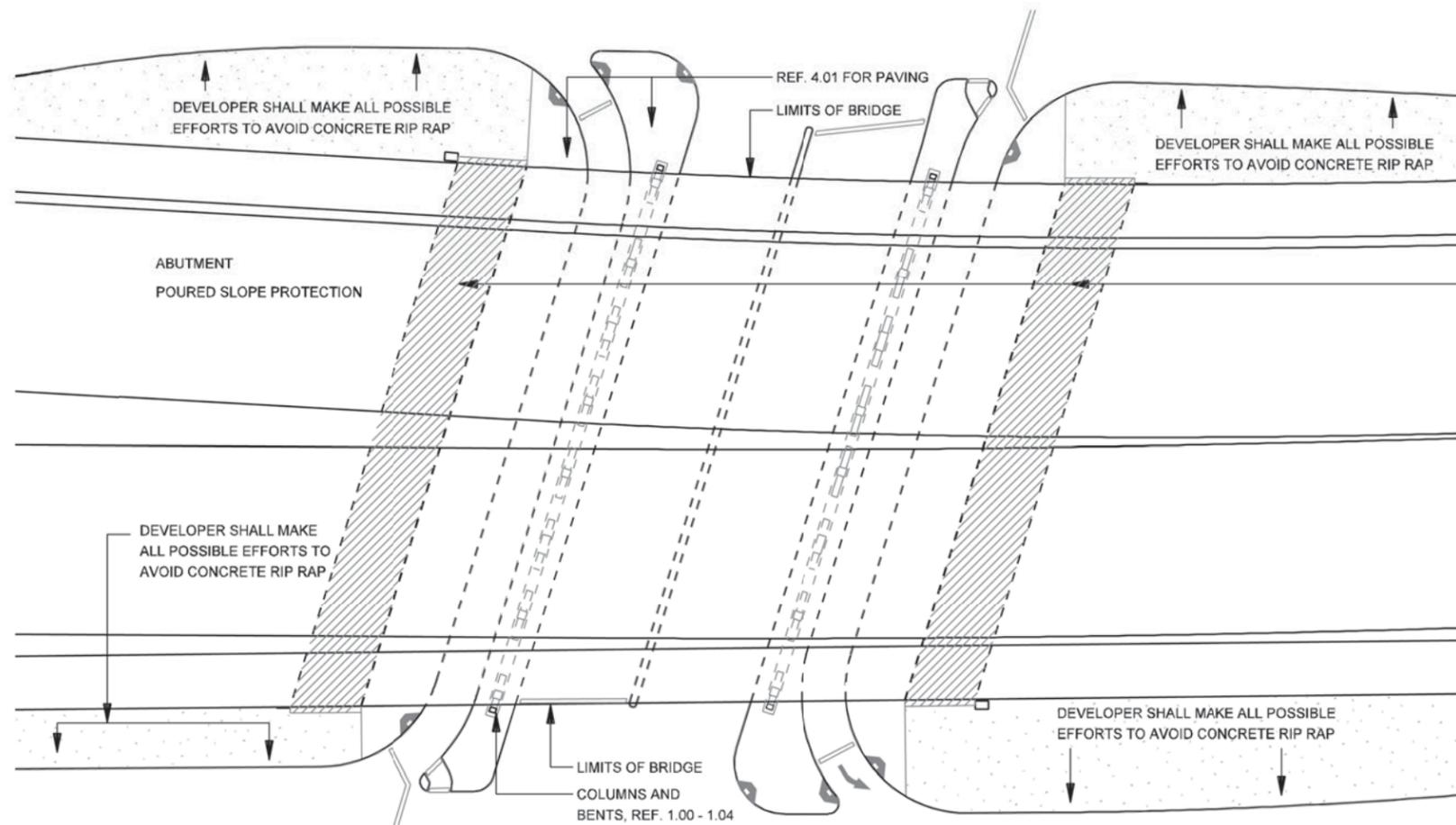
2 SECTION
MODIFIED SINGLE SLOPED BARRIER
SCALE: 1/2"=1'-0"



3 ELEVATION
I-BEAM STRUCTURE
SCALE: 1/8"=1'-0"

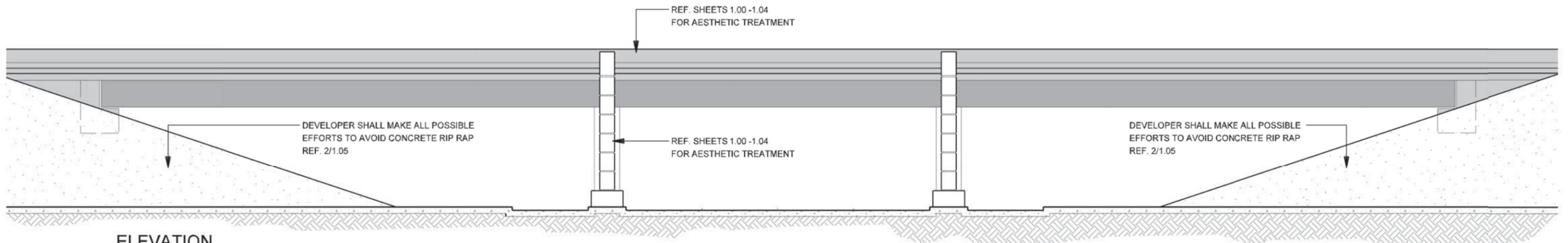


1 SECTION
U-BEAM STRUCTURE
SCALE: 1/8"=1'-0"



DEVELOPER SHALL MAKE ALL POSSIBLE EFFORTS TO AVOID RIP RAP FROM EXTENDING 3'-0" MAX. BEYOND THE LIMITS OF THE BRIDGE OVERHANG VISIBLE TO ADJACENT PROPERTIES OR THE TRAVELLING PUBLIC. ALL RIP RAP SHALL BE CONCRETE PAVERS OR STAINED CONCRETE WITH ALL JOINTS PARALLEL TO BRIDGE STRUCTURE. ALL RIP RAP SHALL CONFORM TO THE DESIGN INTENT OF THE HARDSCAPE PLANS FOR PATTERN, COLOR AND MATERIAL, REF. 4.01.

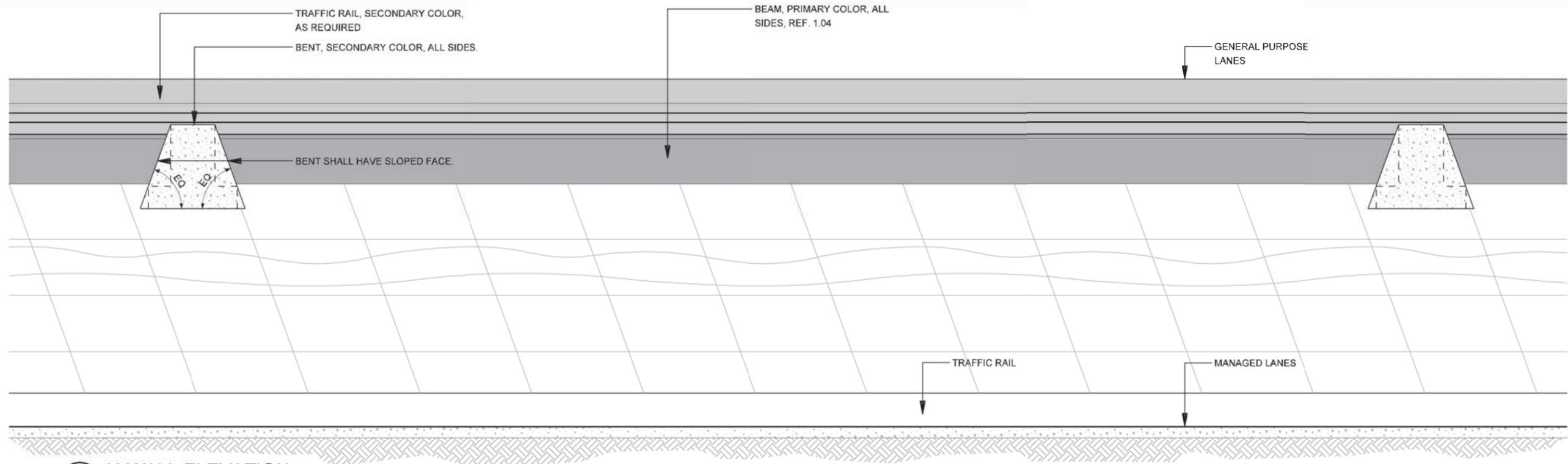
2
PLAN
CROSS STREET OVERPASS/UNDERPASS - RIP RAP
 SCALE: NTS



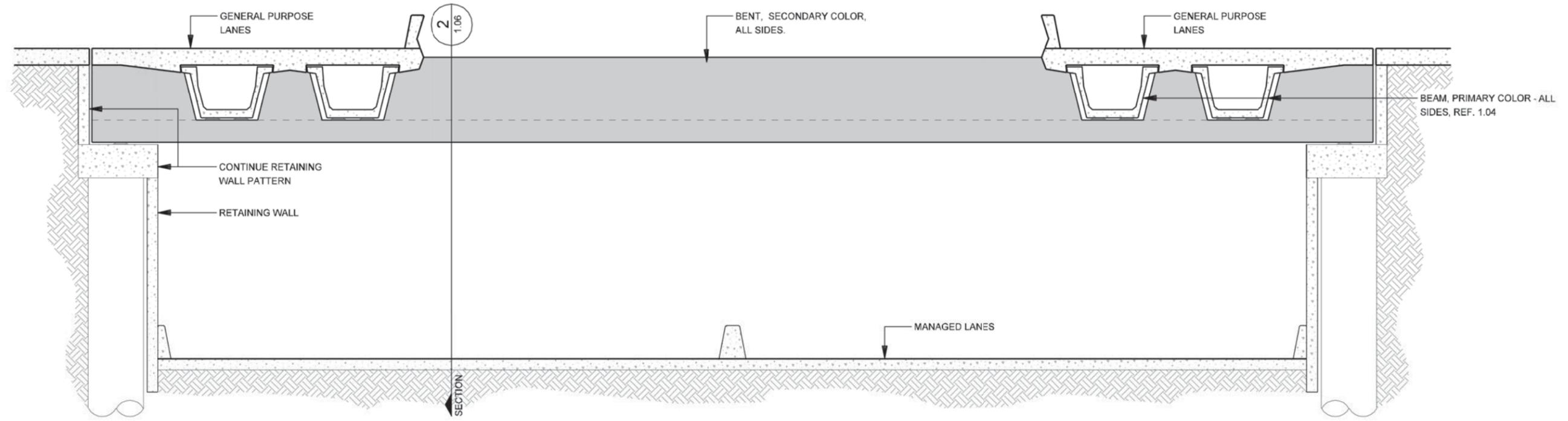
1
ELEVATION
CROSS STREET OVERPASS/UNDER PASS - RIP RAP
 SCALE: 1/16"=1'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

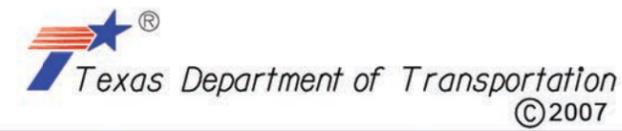
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2 U-WALL ELEVATION
SCALE: 1"=10'-0"

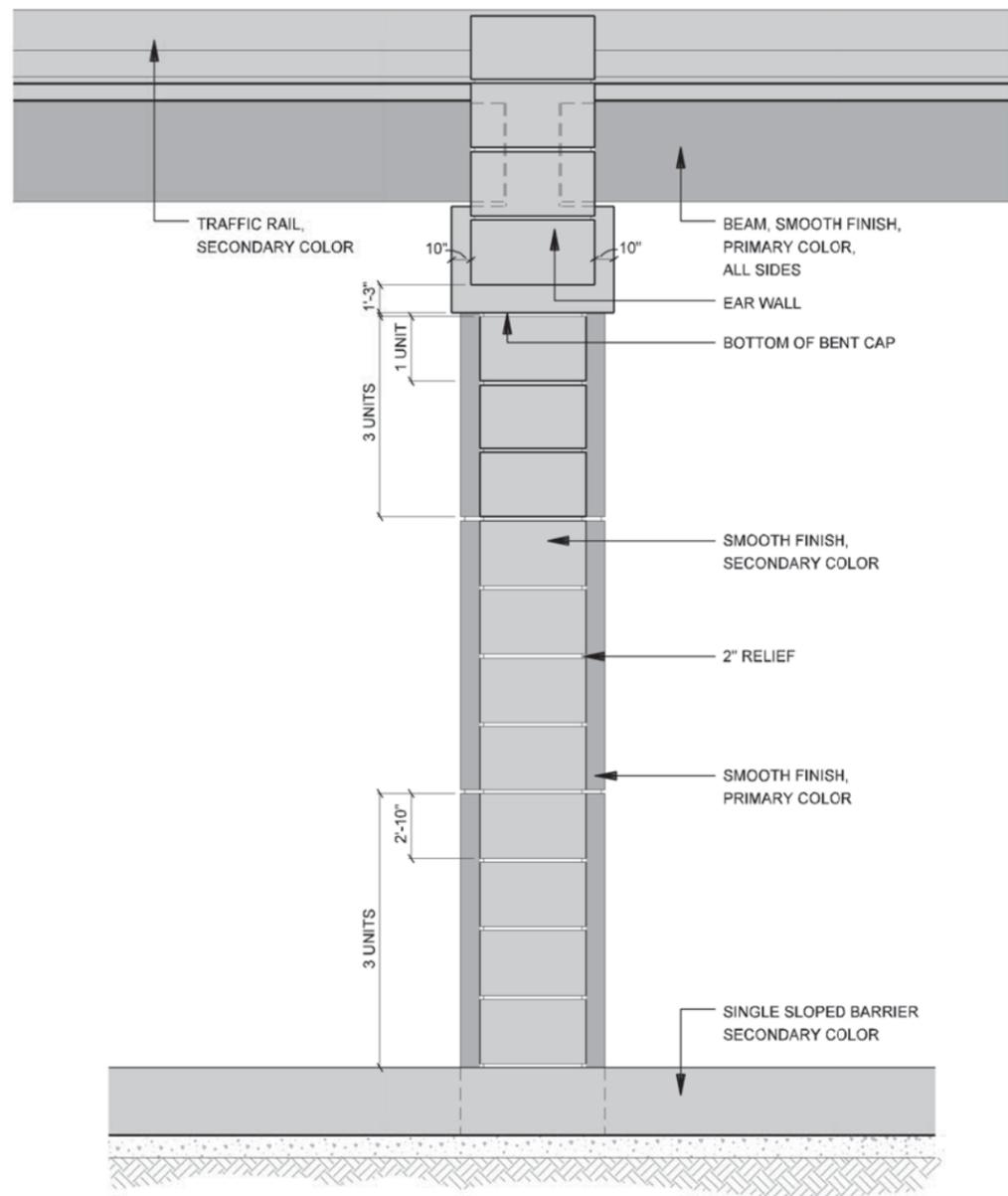


1 U-WALL - ELEVATION
SCALE: 1"=10'-0"



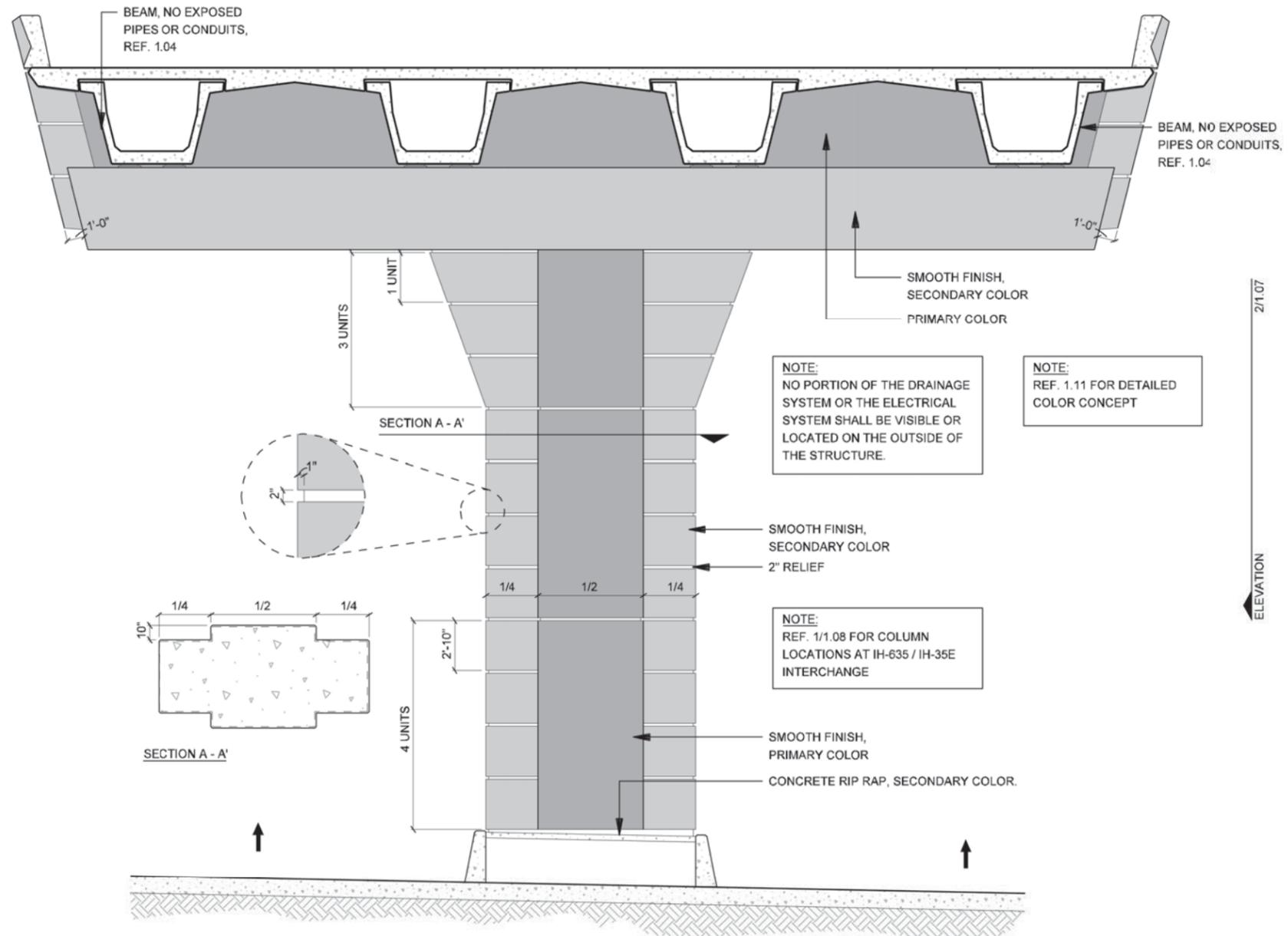
NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

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2 ELEVATION - SIDE VIEW
IH-635 ELEVATED MAINLANES COLUMN / PEDESTRIAN BRIDGE

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



1 ELEVATION - FRONT VIEW
IH-635 ELEVATED MAINLANES COLUMN / PEDESTRIAN BRIDGE

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

NOTE:
NO PORTION OF THE DRAINAGE
SYSTEM OR THE ELECTRICAL
SYSTEM SHALL BE VISIBLE OR
LOCATED ON THE OUTSIDE OF
THE STRUCTURE.

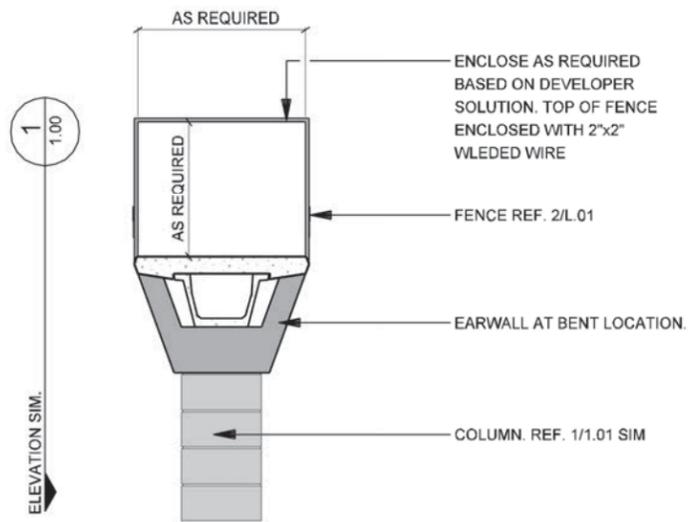
NOTE:
REF. 1.11 FOR DETAILED
COLOR CONCEPT

NOTE:
REF. 1/1.08 FOR COLUMN
LOCATIONS AT IH-635 / IH-35E
INTERCHANGE



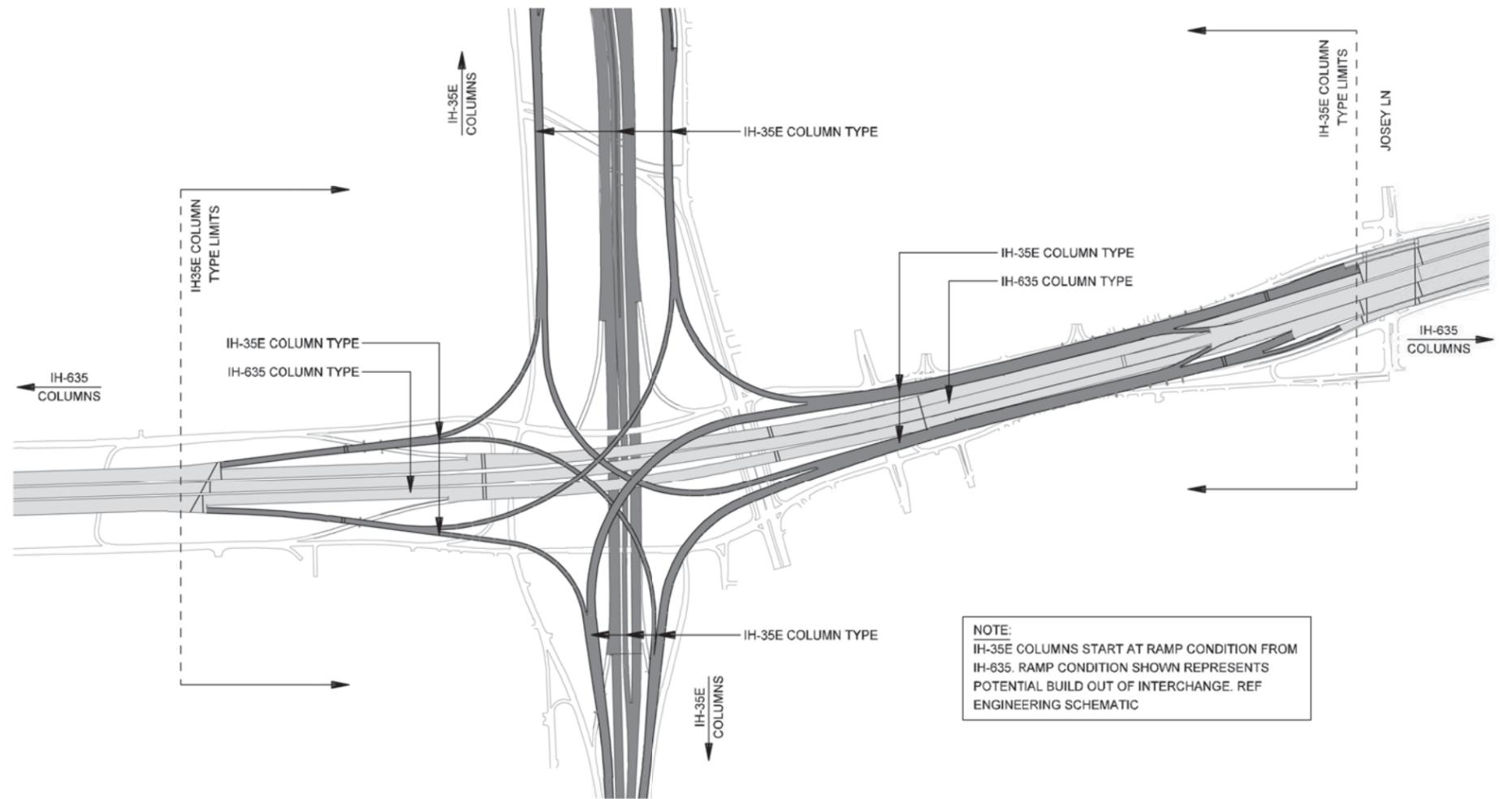
NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: BRIDGE AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 1.07
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2 ELEVATION
JOE RATCLIFF WALKWAY / PEDESTRIAN BRIDGES

SCALE: 1/16"=1'-0"



1 PLAN
COLUMN TYPE LOCATION DIAGRAM

SCALE: N.T.S.

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:
 09/12/2007

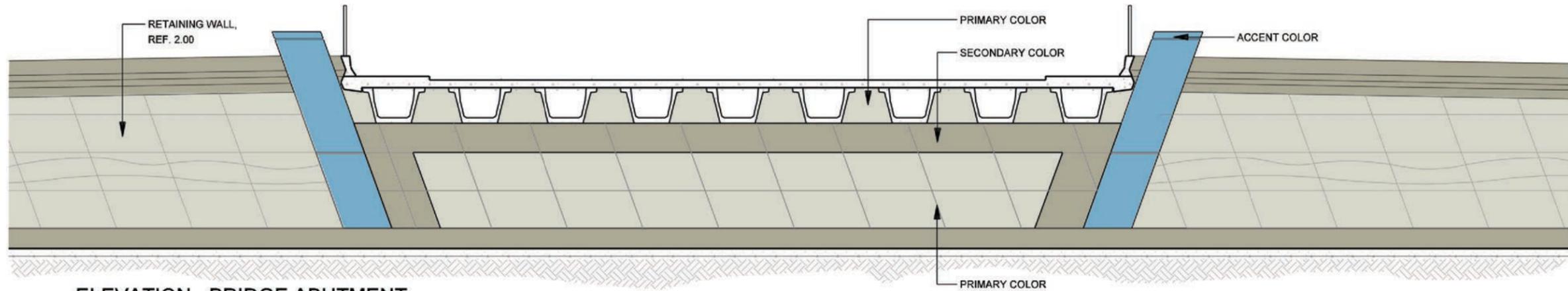
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SHEET CONTENTS:
 BRIDGE AESTHETICS

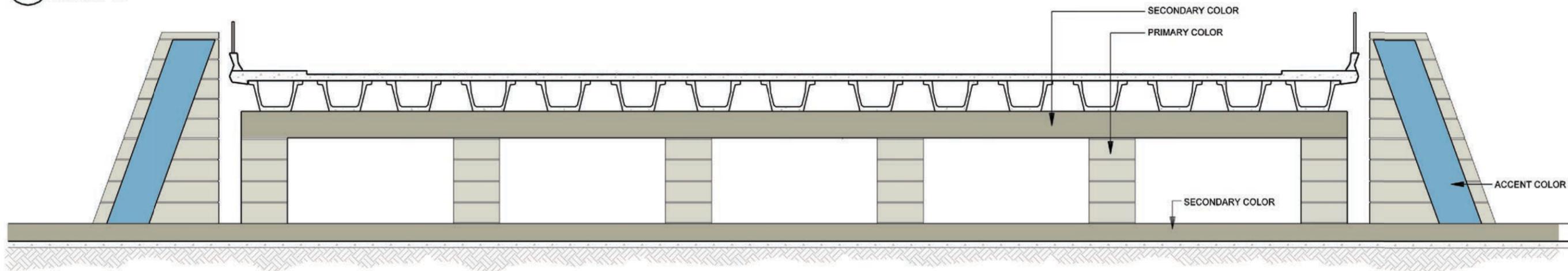
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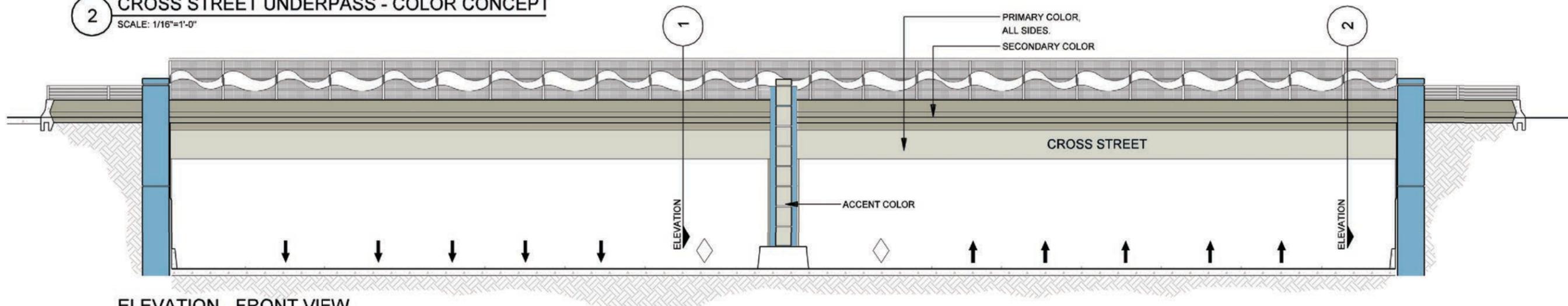
1.08



3
ELEVATION - BRIDGE ABUTMENT
CROSS STREET UNDERPASS - COLOR CONCEPT
 SCALE: 1/16"=1'-0"



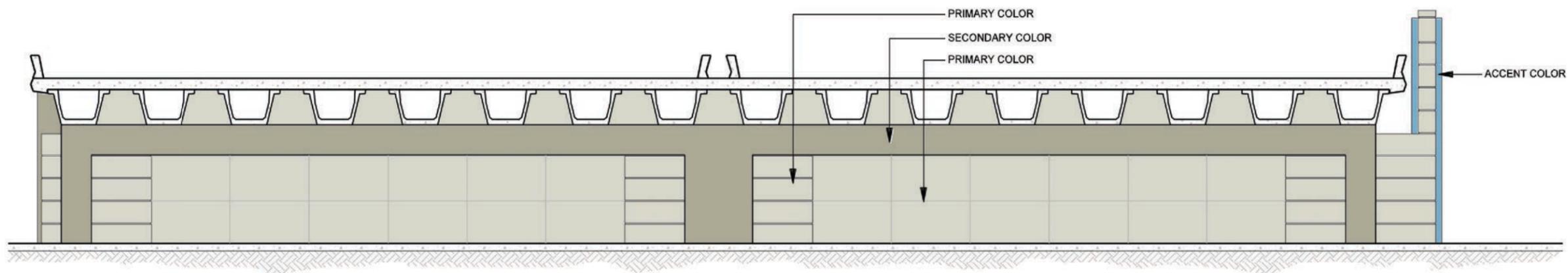
2
BENT ELEVATION
CROSS STREET UNDERPASS - COLOR CONCEPT
 SCALE: 1/16"=1'-0"



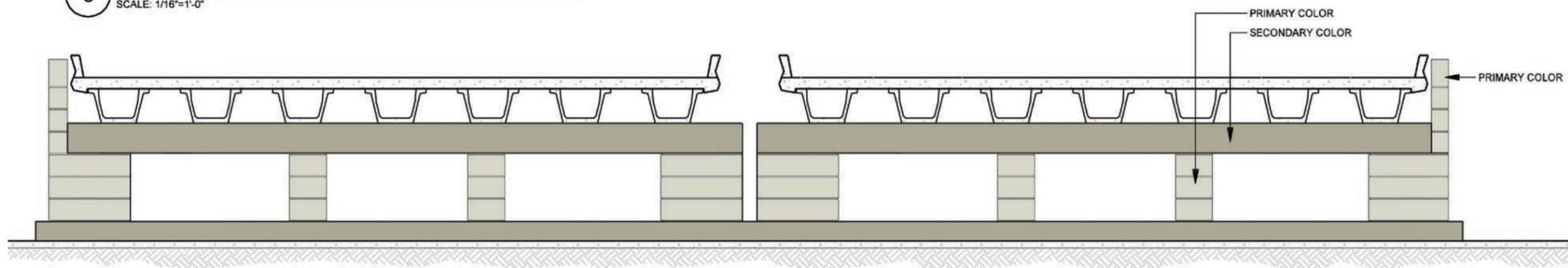
1
ELEVATION - FRONT VIEW
CROSS STREET UNDERPASS - COLOR CONCEPT
 SCALE: 1/16"=1'-0"



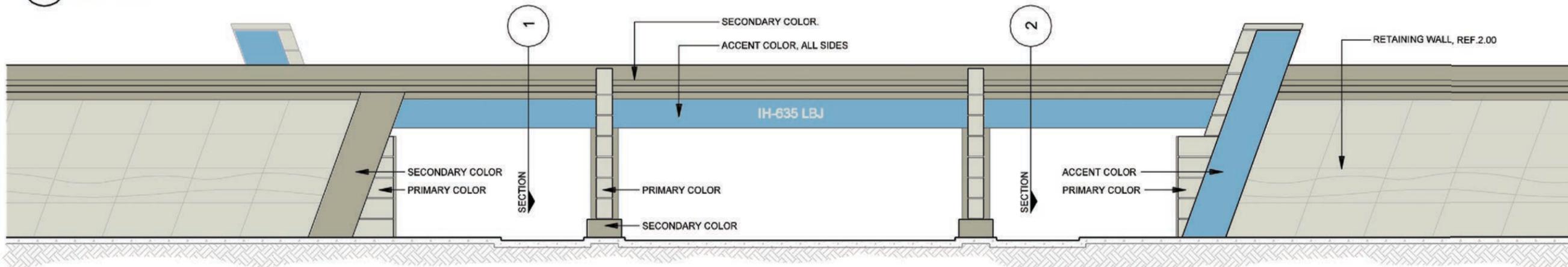
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: BRIDGE AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 1.09
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3 ELEVATION - BRIDGE ABUTMENT
 CROSS STREET OVERPASS - COLOR CONCEPT
 SCALE: 1/16"=1'-0"

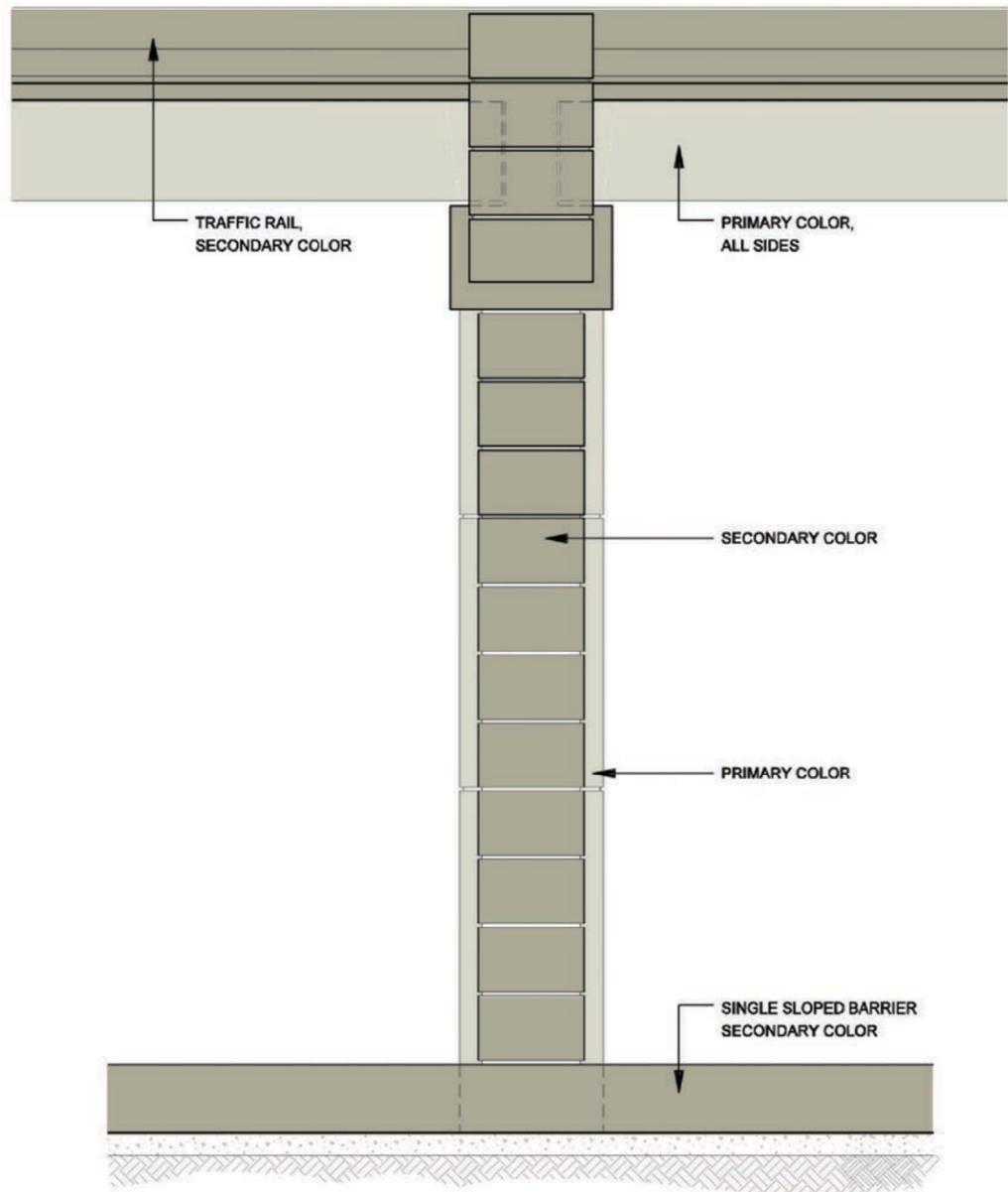


2 ELEVATION - BENT ELEVATION
 CROSS STREET OVERPASS - COLOR CONCEPT
 SCALE: 1/16"=1'-0"

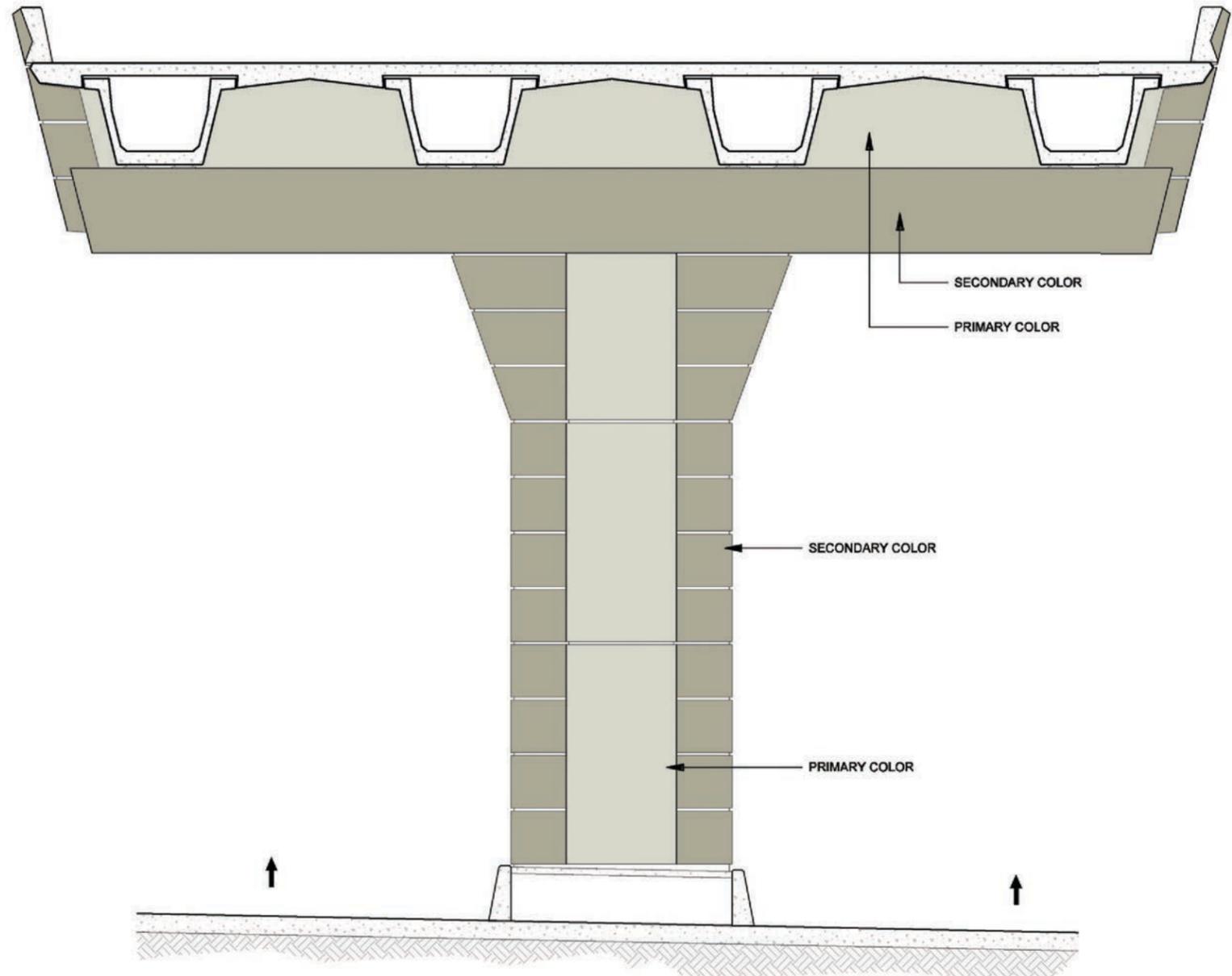


1 ELEVATION - FRONT VIEW
 CROSS STREET OVERPASS - COLOR CONCEPT
 SCALE: 1/16"=1'-0"

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: BRIDGE AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 1.10
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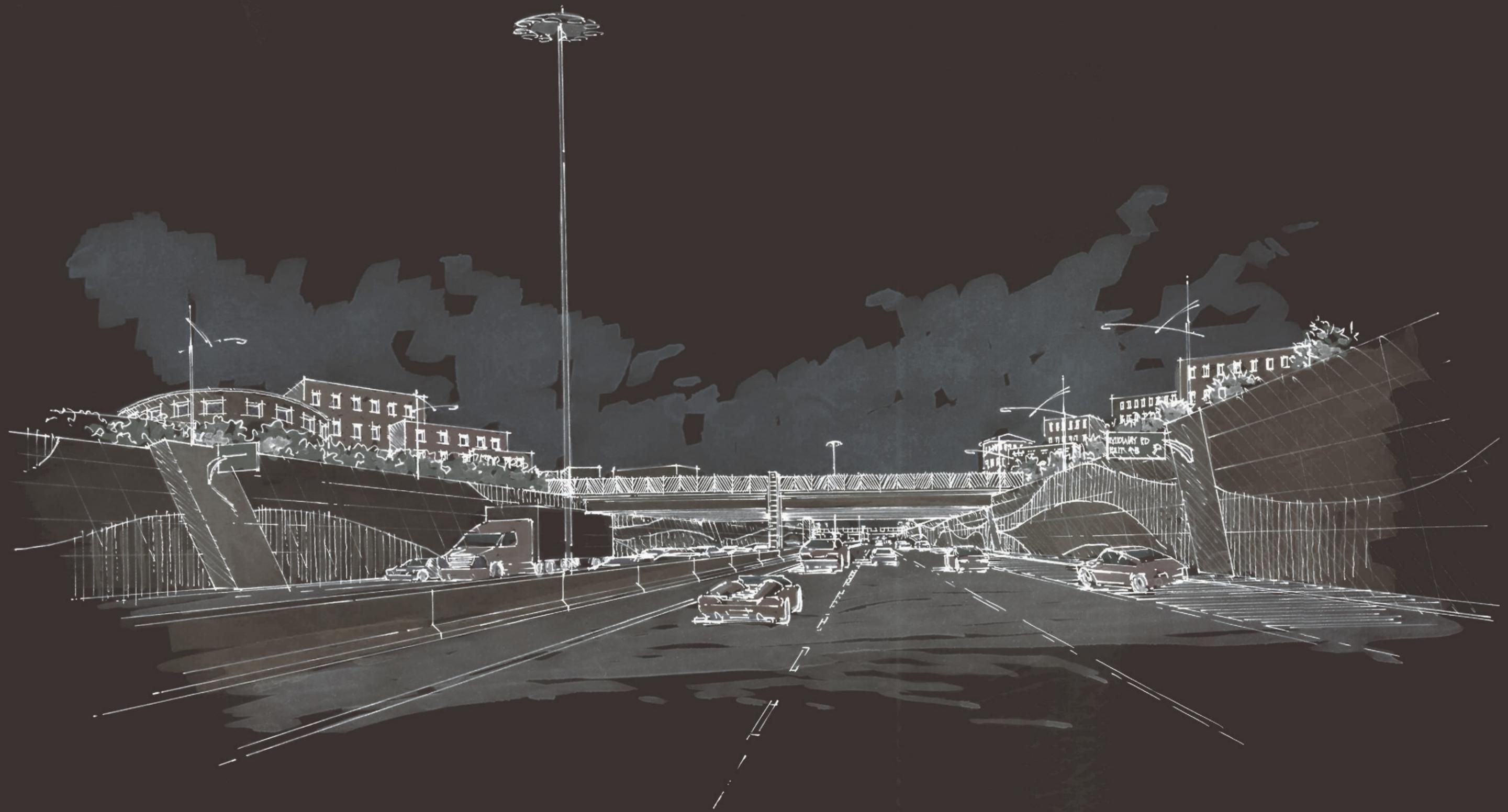


2 ELEVATION - COLOR CONCEPT
 IH-635 ELEVATED MAINLANES COLUMN / PEDESTRIAN BRIDGE
 SCALE: 1/8"=1'-0"



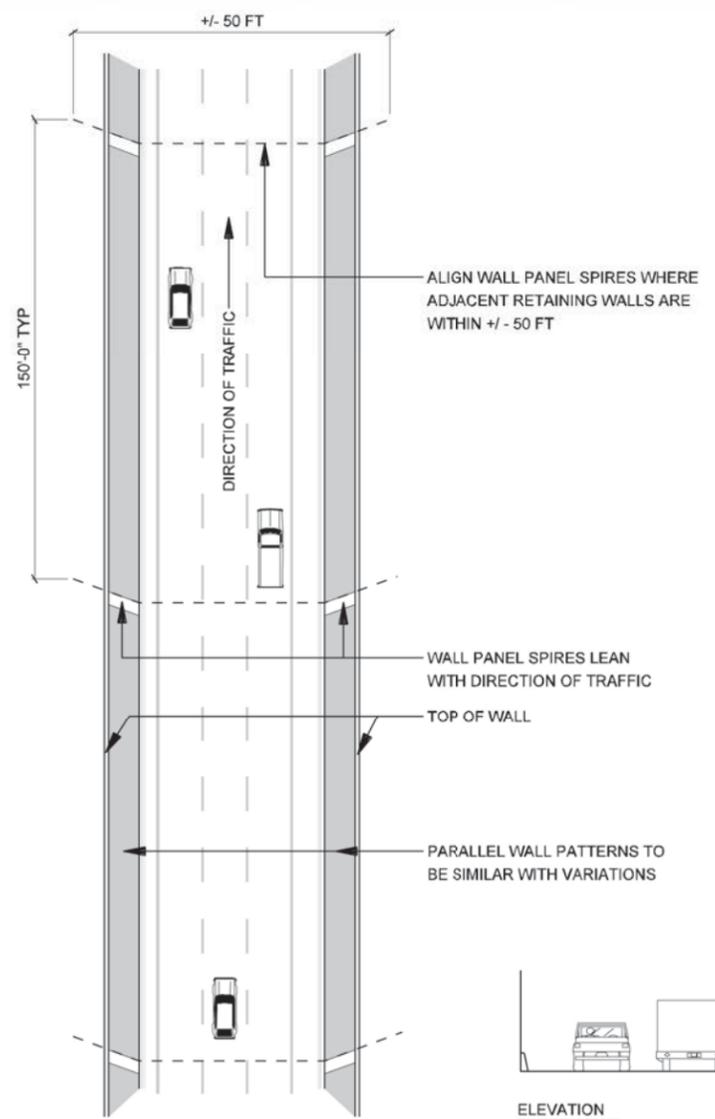
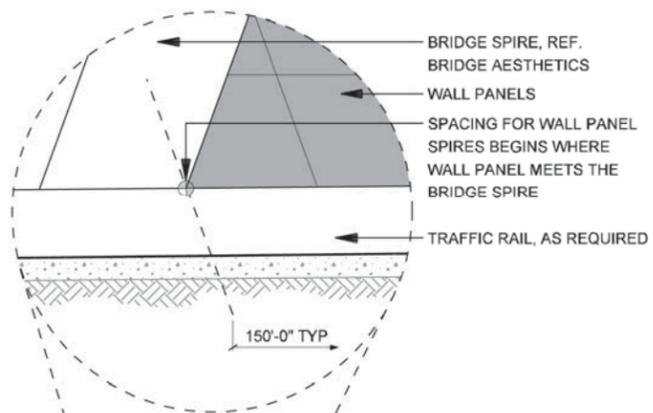
1 ELEVATION - COLOR CONCEPT
 IH-635 ELEVATED MAINLANES COLUMN / PEDESTRIAN BRIDGE
 SCALE: 1/8"=1'-0"

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: BRIDGE AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 1.11
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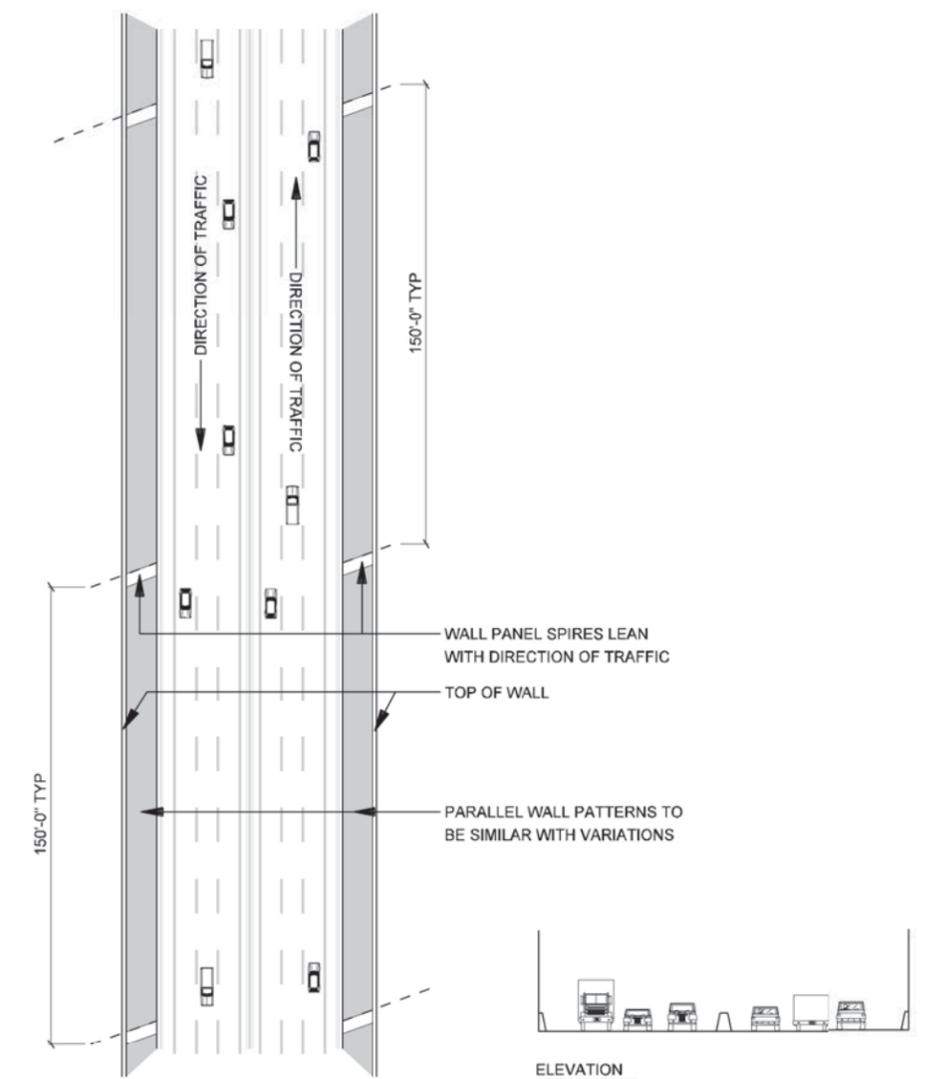


IH-635 RETAINING WALLS

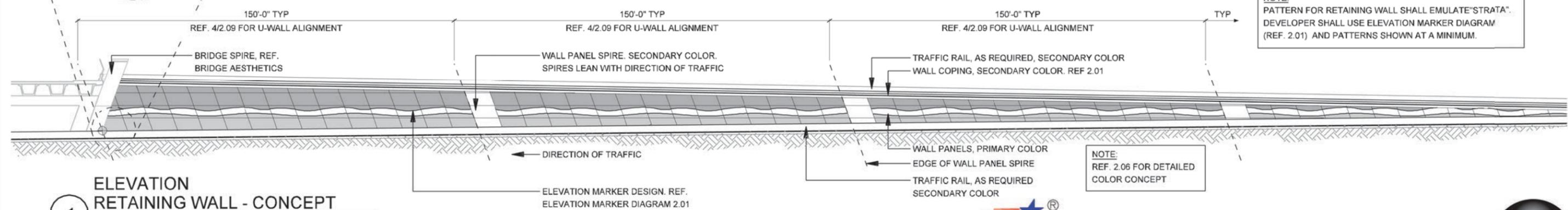
- NOTES:**
- PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
 - DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
 - DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGARD PANELS SYTEMS
 - PANEL DESIGNED AT 20 DEGREES SKEWED
 - DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
 - DEVELOPER SHALL ENSURE DIMENSIONS SHOWN ARE ADEQUATE FOR STRUCTURAL STABILITY. ANY MODIFICATIONS WILL REQUIRE APPROVAL.



**3 BIRD'S EYE PLAN
RETAINING WALL ALIGNMENT - ALL WALLS**
SCALE: N.T.S.



**2 BIRD'S EYE PLAN
RETAINING WALL ALIGNMENT - ALL WALLS**
SCALE: N.T.S.

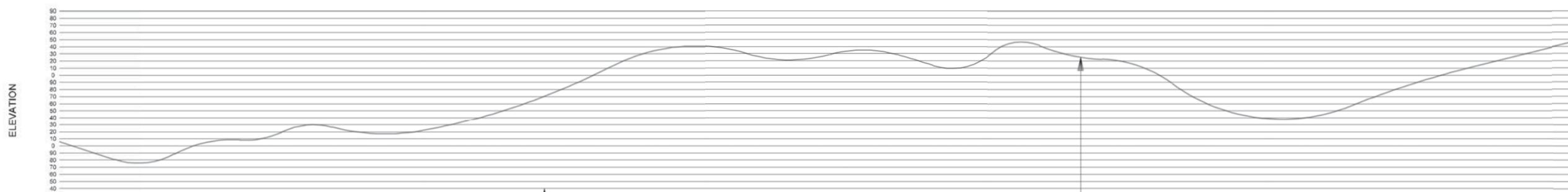


**1 ELEVATION
RETAINING WALL - CONCEPT**
SCALE: 1"=40'-0"



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

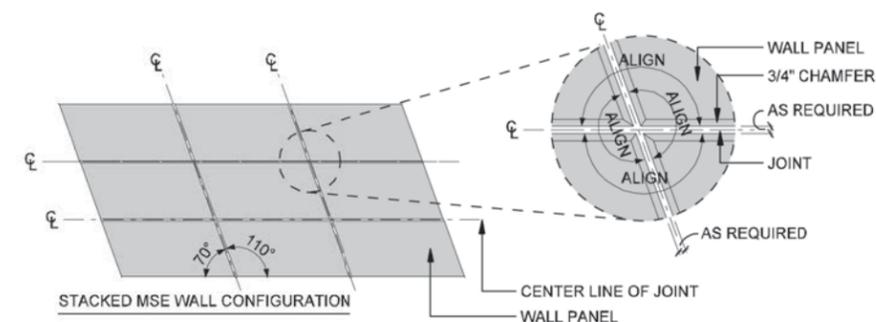
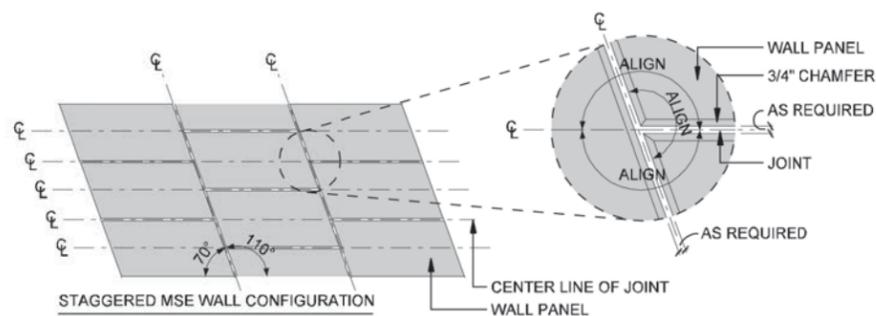
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-635 RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 2.00
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SECTION 3 ELEVATION MARKER DIAGRAM

SCALE: N.T.S.

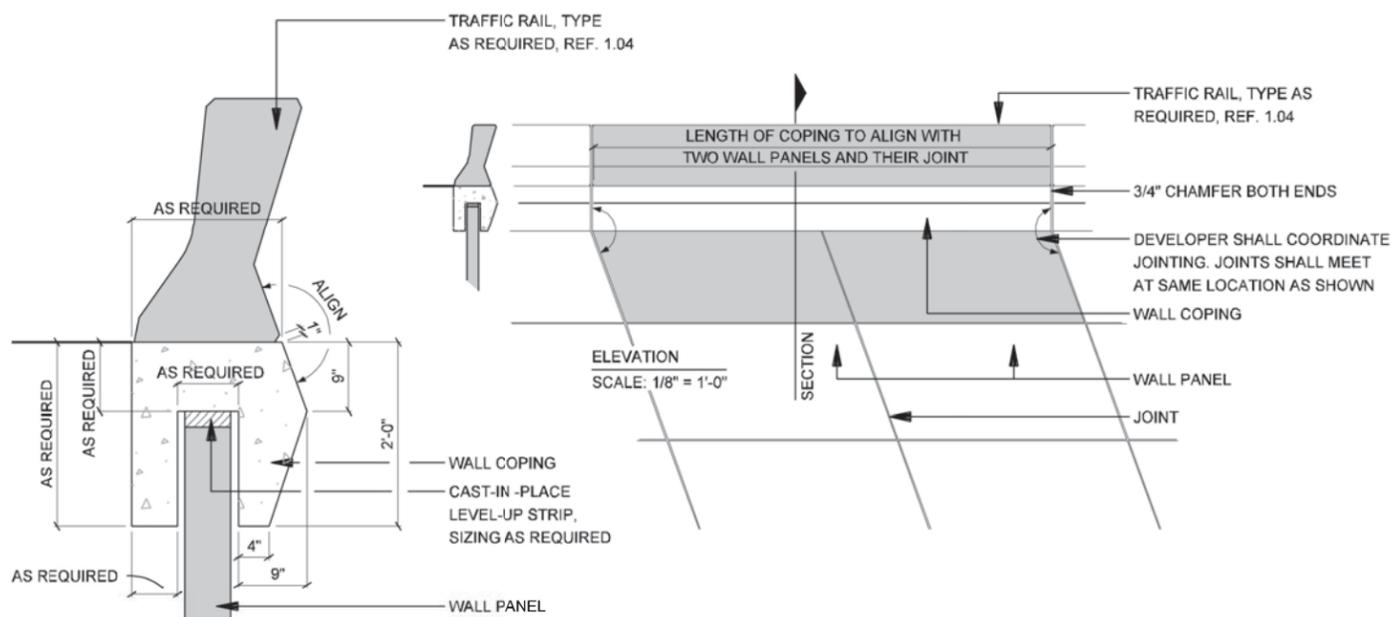
ELEVATION MARKER PANELS OCCUR EVERY 10 FEET IN ELEVATION PER THE NORTH AMERICAN DATUM OF 1983



NOTE: DEVELOPER SHALL CHOOSE ONE CONFIGURATION TYPE FOR CORRIDOR

SECTION 2 ELEVATION WALL PANEL CONFIGURATION

SCALE: 1/16"=1'-0"



SECTION 1 WALL COPING, TYP.

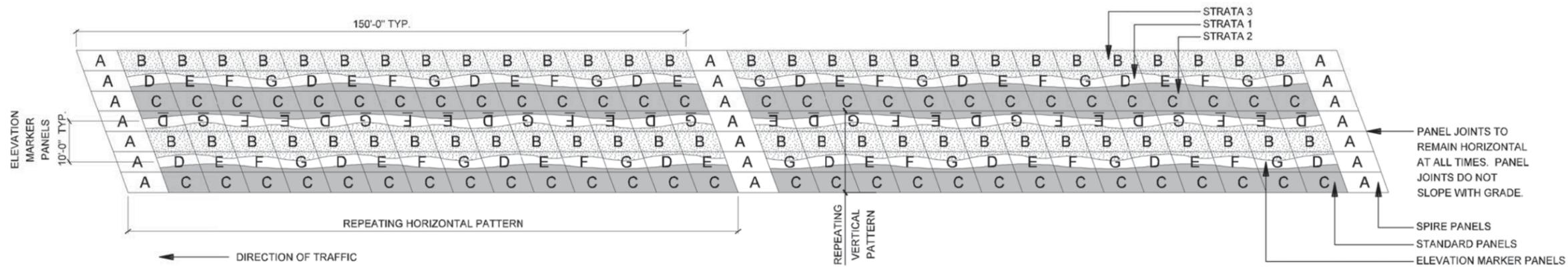
SCALE: 1/2"=1'-0"

NOTES:

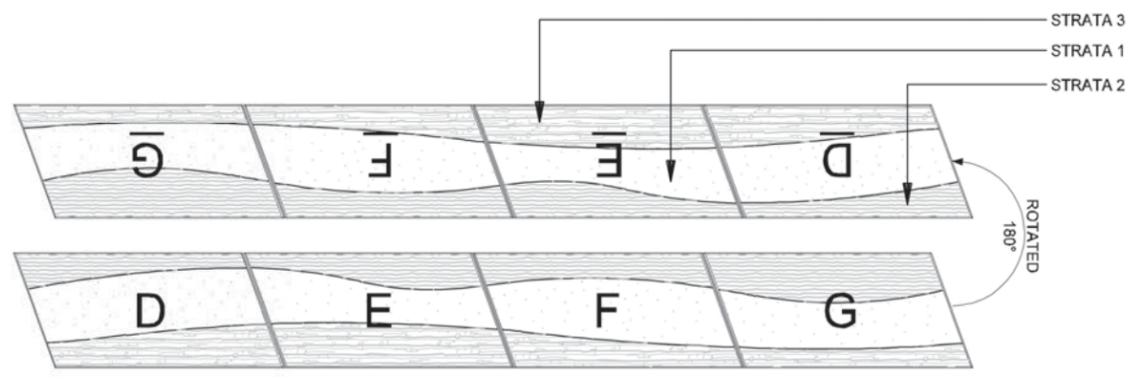
- PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
 - DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
 - DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGGERED PANELS SYSTEMS
 - PANEL DESIGNED AT 20 DEGREES SKEWED
- DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
- DEVELOPER SHALL ENSURE DIMENSIONS SHOWN ARE ADEQUATE FOR STRUCTURAL STABILITY. ANY MODIFICATIONS WILL REQUIRE APPROVAL.

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

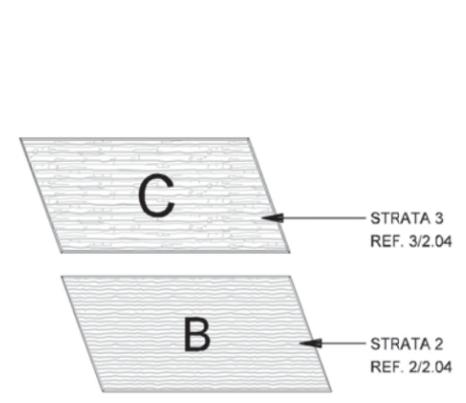
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-635 RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 2.01
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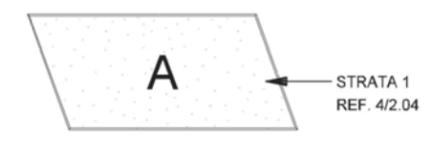
9 ELEVATION PATTERN CONCEPTS (Stacked MSE wall)
SCALE: 1"=30'-0"



3 ELEVATION MARKER PANELS (Stacked Pattern Only)
SCALE: 1/8"=1'-0"



2 STANDARD PANELS
SCALE: 1/8"=1'-0"



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

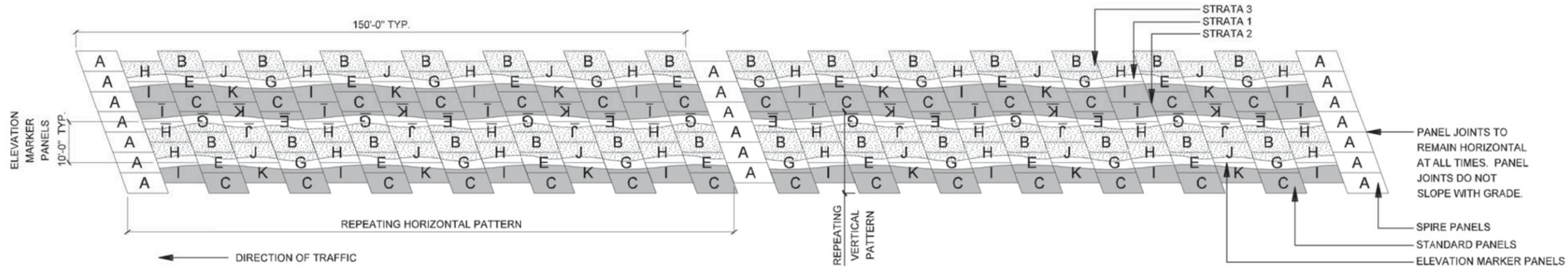
NOTES:

- PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
 A. DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
 B. DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGGERED PANELS SYSTEMS
 C. PANEL DESIGNED AT 20 DEGREES SKEWED
- DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
- DEVELOPER SHALL ENSURE DIMENSIONS SHOWN ARE ADEQUATE FOR STRUCTURAL STABILITY. ANY MODIFICATIONS WILL REQUIRE APPROVAL.

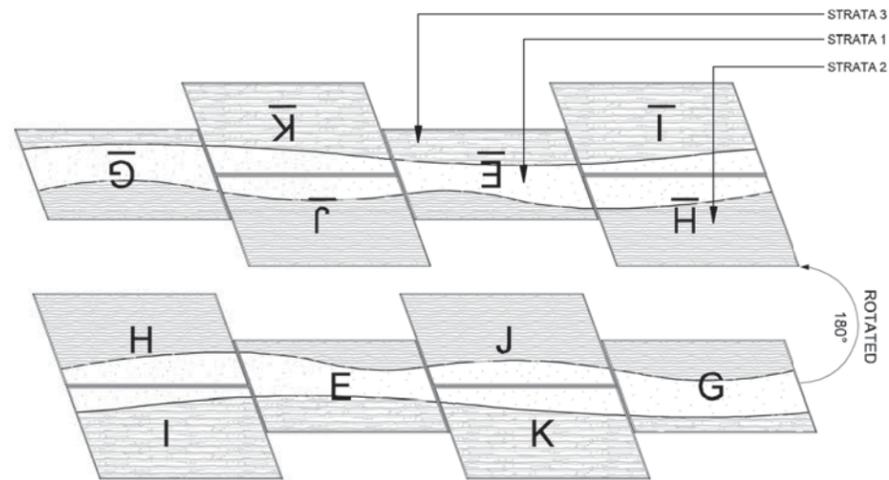


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

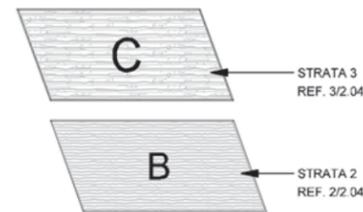
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-635 RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 2.02
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10 ELEVATION PATTERN CONCEPTS (Staggered MSE wall)
SCALE: 1"=30'-0"



3 ELEVATION MARKER PANELS (Staggered Pattern Only)
SCALE: 1/8"=1'-0"



2 STANDARD PANELS
SCALE: 1/8"=1'-0"



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

NOTES:

- PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
A. DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
B. DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGGERED PANELS SYSTEMS
C. PANEL DESIGNED AT 20 DEGREES SKEWED
- DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
- DEVELOPER SHALL ENSURE DIMENSIONS SHOWN ARE ADEQUATE FOR STRUCTURAL STABILITY. ANY MODIFICATIONS WILL REQUIRE APPROVAL.



IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

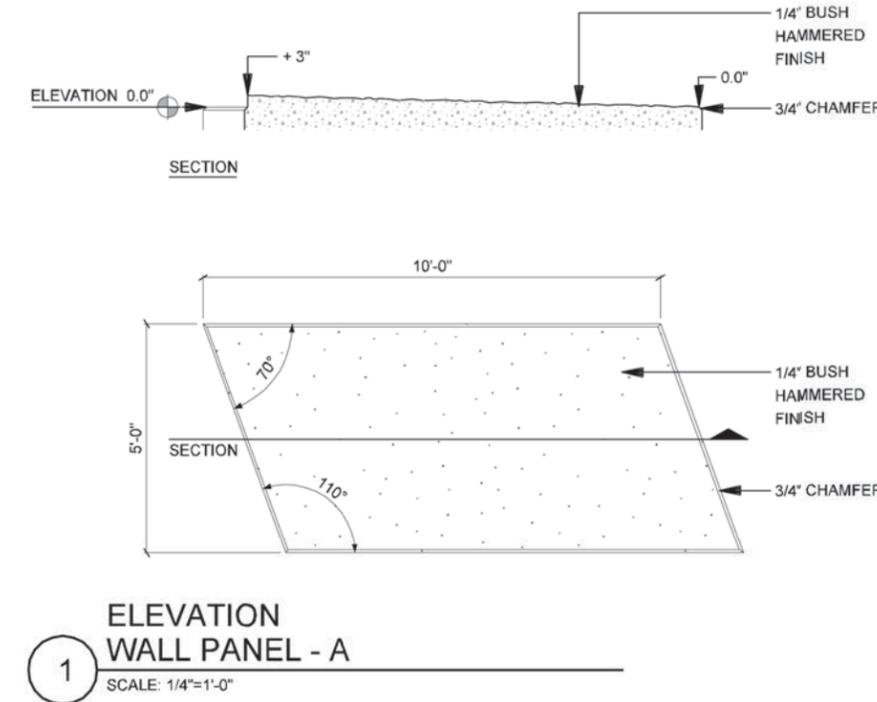
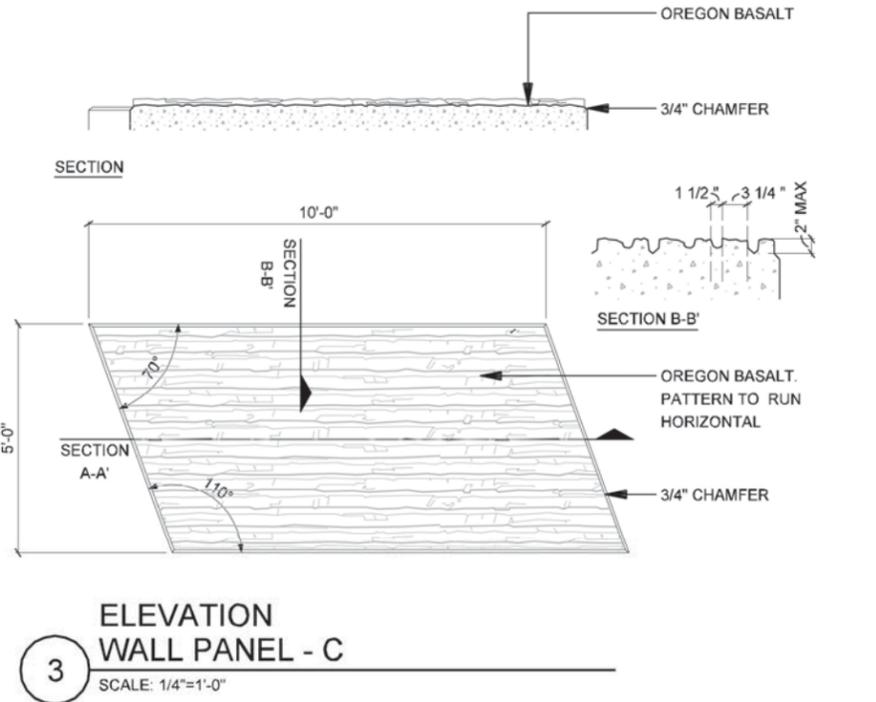
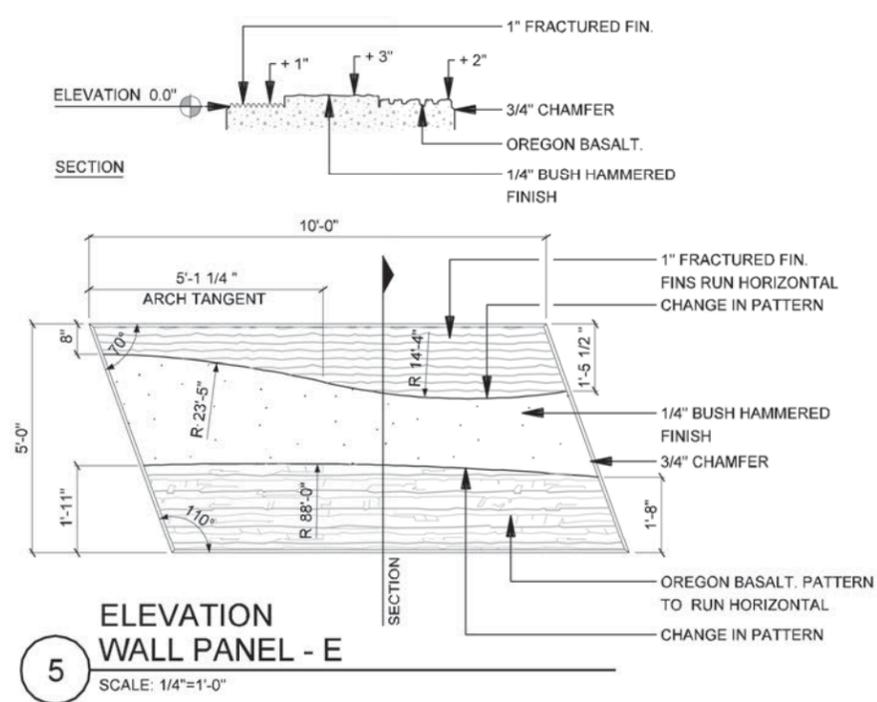
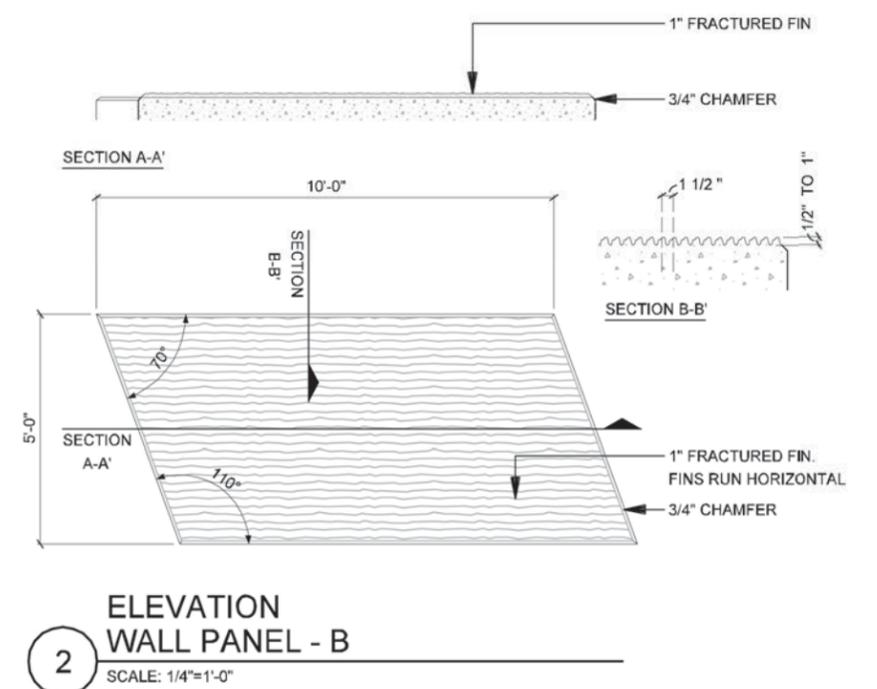
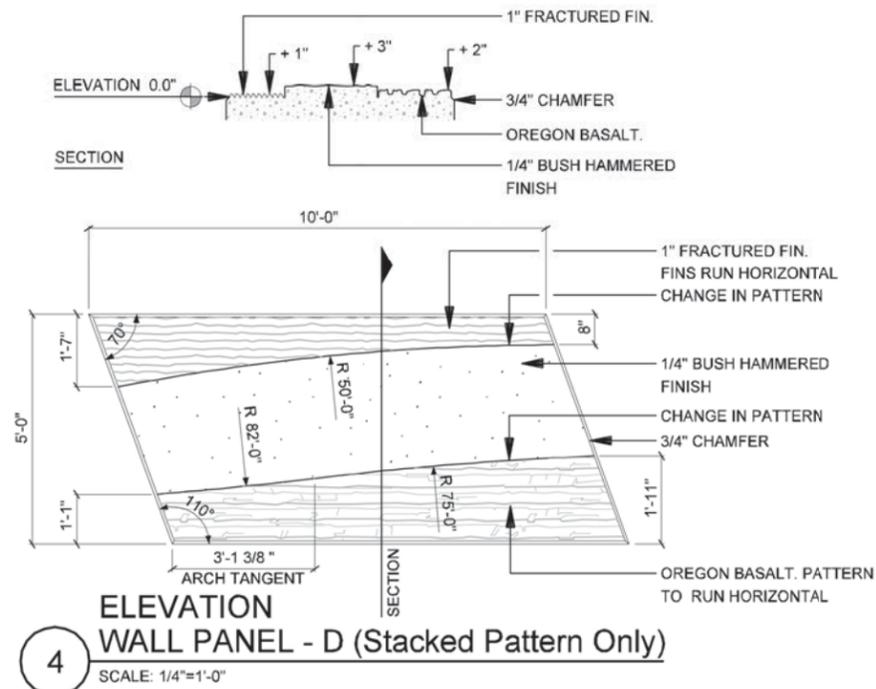
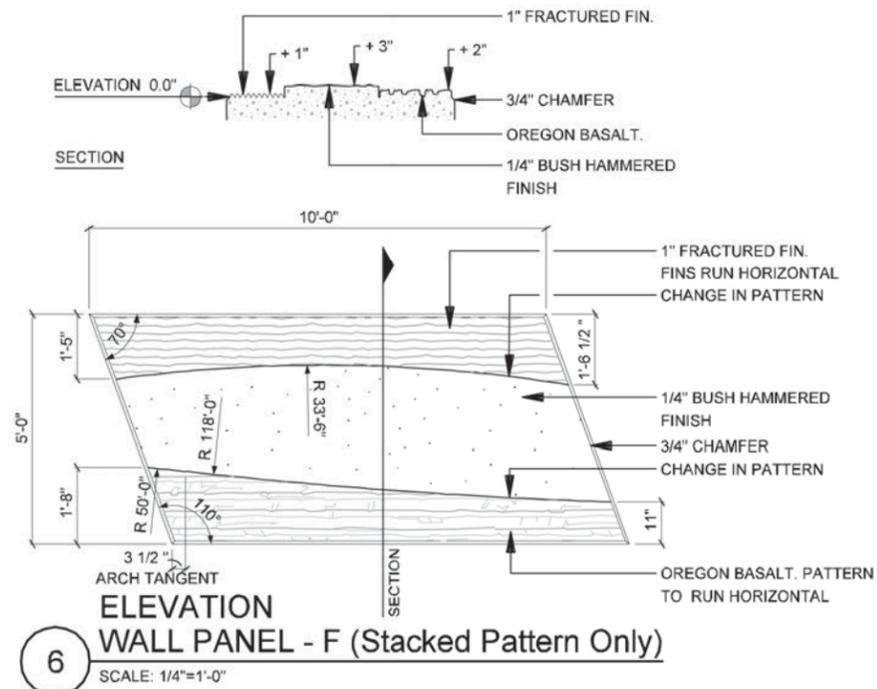
DATE:
09/12/2007

SCALE:
AS NOTED

SHEET CONTENTS:
IH-635 RETAINING WALLS

ATTACHMENT:
15-1A

SHEET NUMBER:
2.03



NOTES:

1. PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
 A. DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
 B. DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGGERED PANELS SYSTEMS
 C. PANEL DESIGNED AT 20 DEGREES SKEWED
2. DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
3. DEVELOPER SHALL ENSURE DIMENSIONS SHOWN ARE ADEQUATE FOR STRUCTURAL STABILITY. ANY MODIFICATIONS WILL REQUIRE APPROVAL.



IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

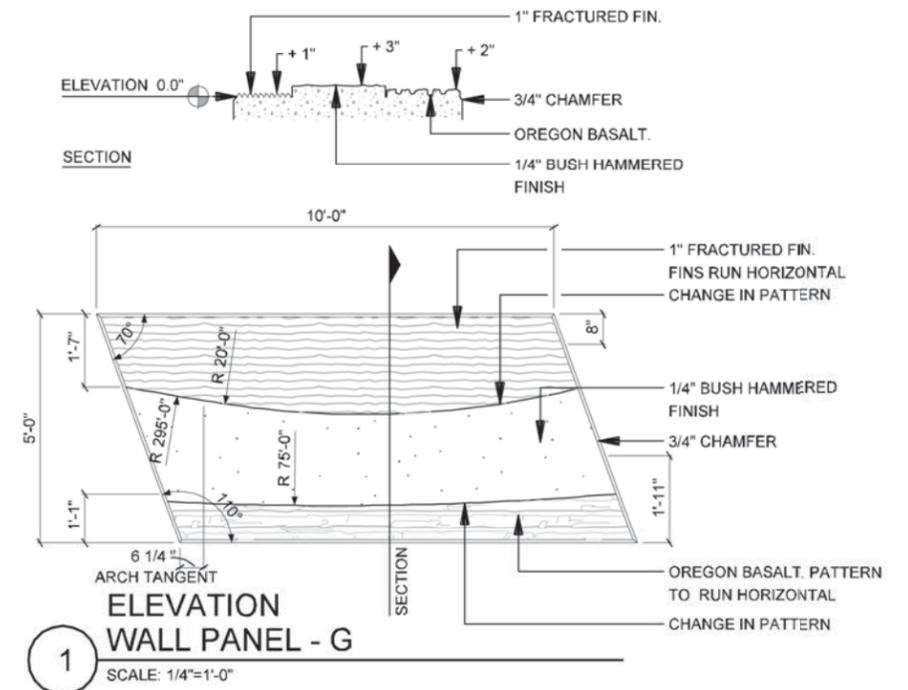
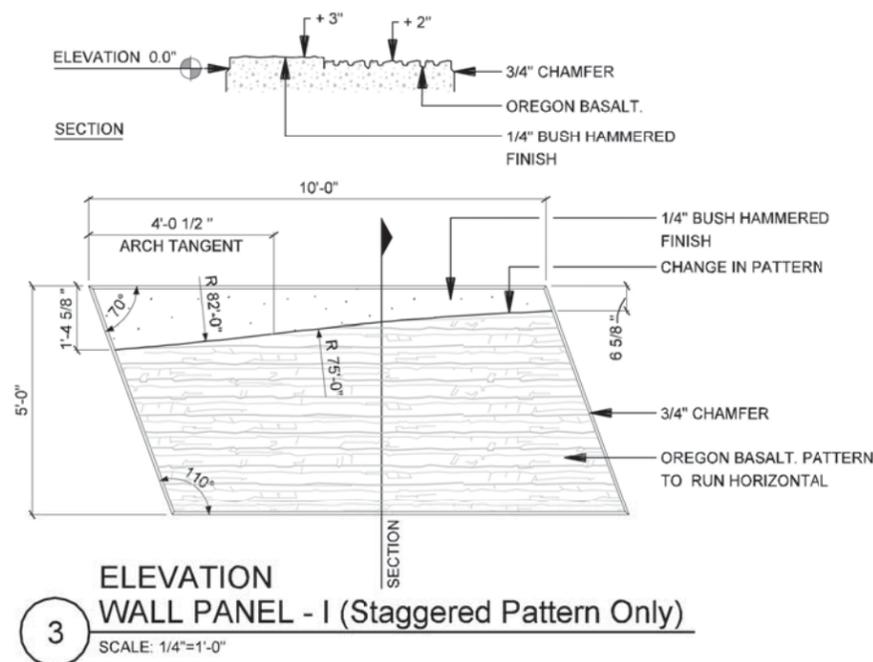
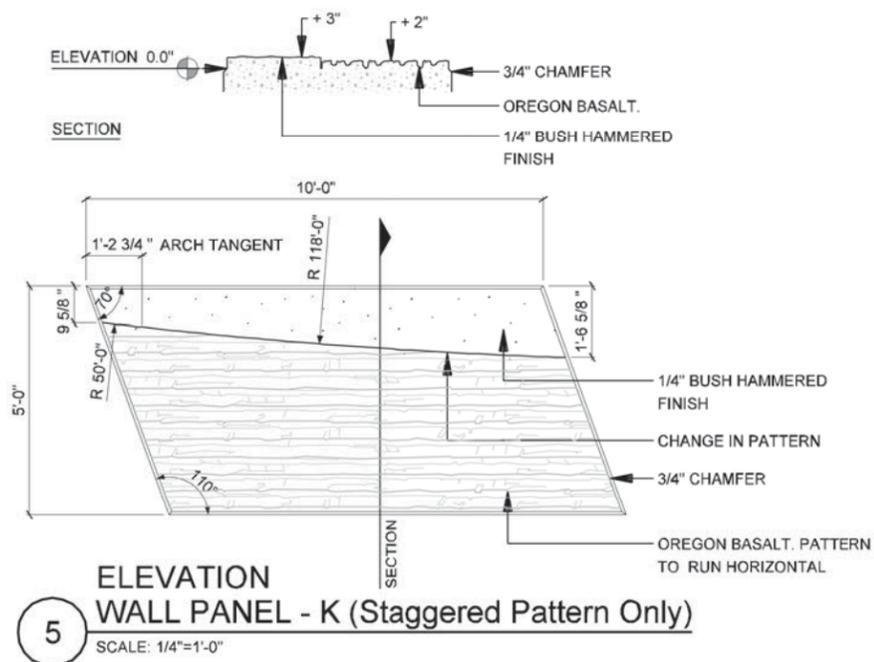
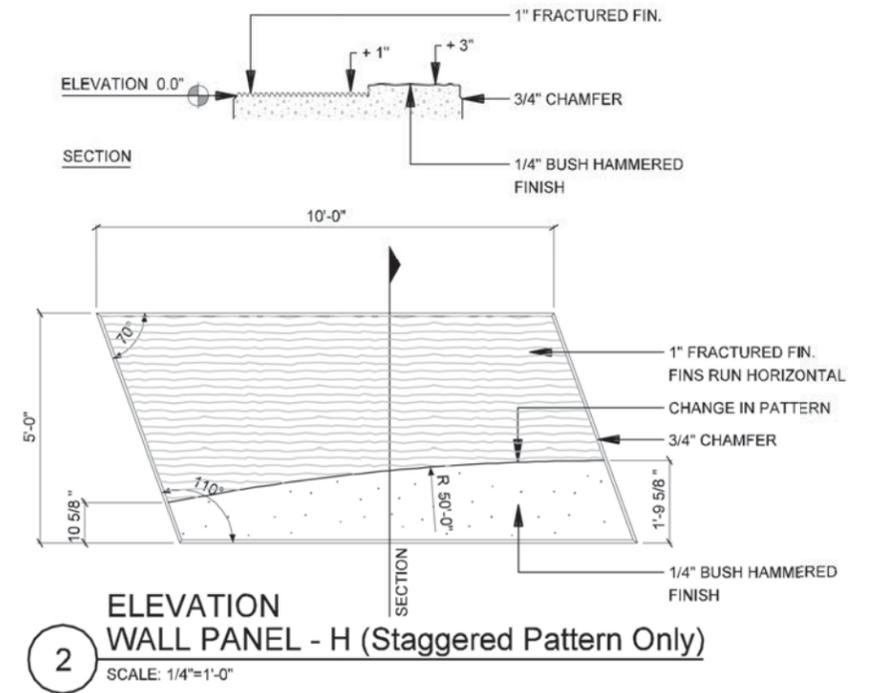
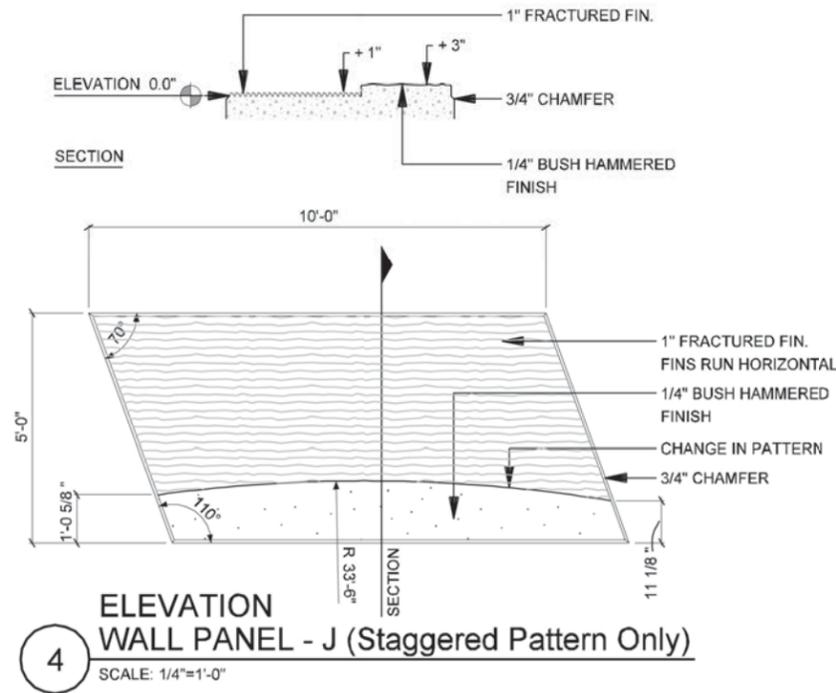
DATE:
09/12/2007

SCALE:
AS NOTED

SHEET CONTENTS:
IH-635 RETAINING WALLS

ATTACHMENT:
15-1A

SHEET NUMBER:
2.04



NOTES:

- PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
A. DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
B. DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGGERED PANELS SYSTEMS
C. PANEL DESIGNED AT 20 DEGREES SKEWED
- DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
- DEVELOPER SHALL ENSURE DIMENSIONS SHOWN ARE ADEQUATE FOR STRUCTURAL STABILITY. ANY MODIFICATIONS WILL REQUIRE APPROVAL.

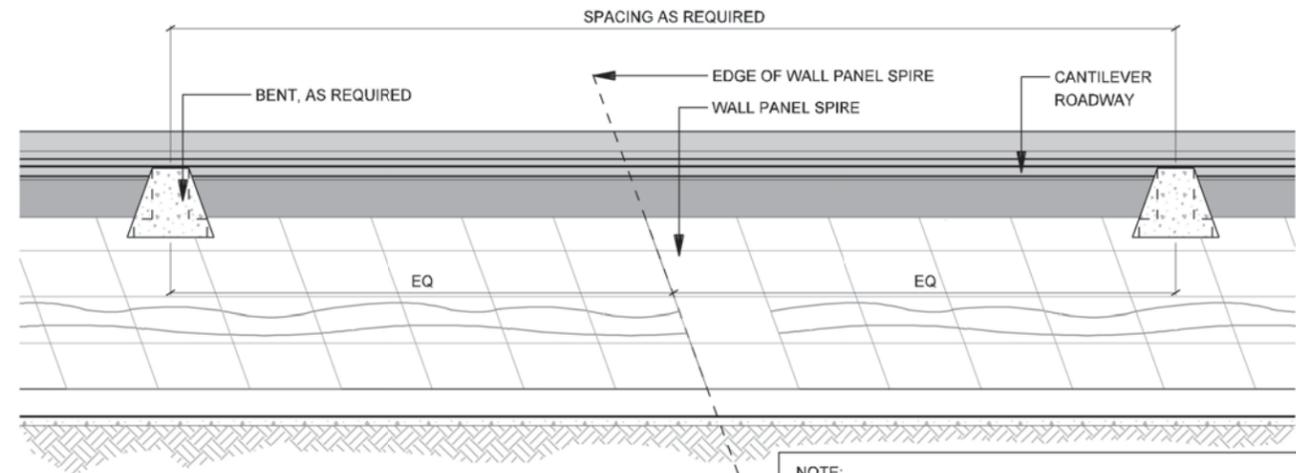


IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-635 RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 2.05
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1 U-WALL ELEVATION
SCALE: 1"=20'-0"

NOTE:
WALL PANEL SPIRE ALIGNMENT SHALL CONFORM TO DETAIL 1/2.00.
THE 150'-0" TYPICAL SPACING SHALL GOVERN THE GENERAL LOCATION OF THE SPIRE WITH FINE ADJUSTMENTS MADE TO INCORPORATE EQUAL SPACING BETWEEN BENTS

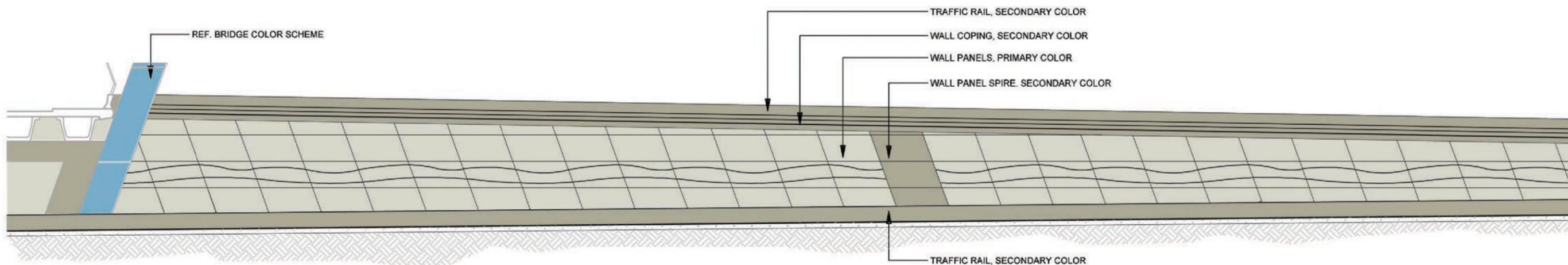
NOTES:

1. PANELS ARE DESIGNED WITH THE FOLLOWING CRITERIA:
A. DESIGN IS BASED ON A 5' x 10' (50 SF), DEVELOPER SHALL CHOOSE ULTIMATE PANEL SIZE
B. DEVELOPER SHALL CHOOSE EITHER STACKED OR STAGGERED PANELS SYSTEMS
C. PANEL DESIGNED AT 20 DEGREES SKEWED
2. DEVELOPER IS RESPONSIBLE FOR PROVIDING DETAILED DRAWINGS THAT FOLLOW DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS TO BE USED.
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NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-635 RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 2.06
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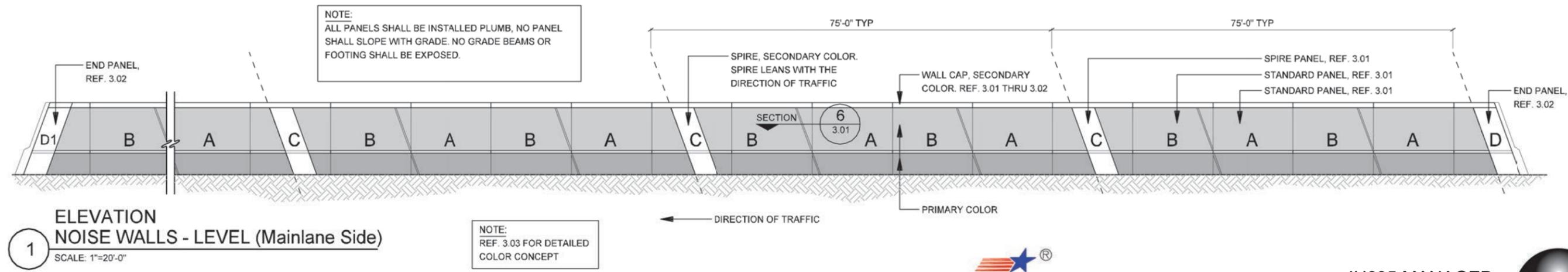
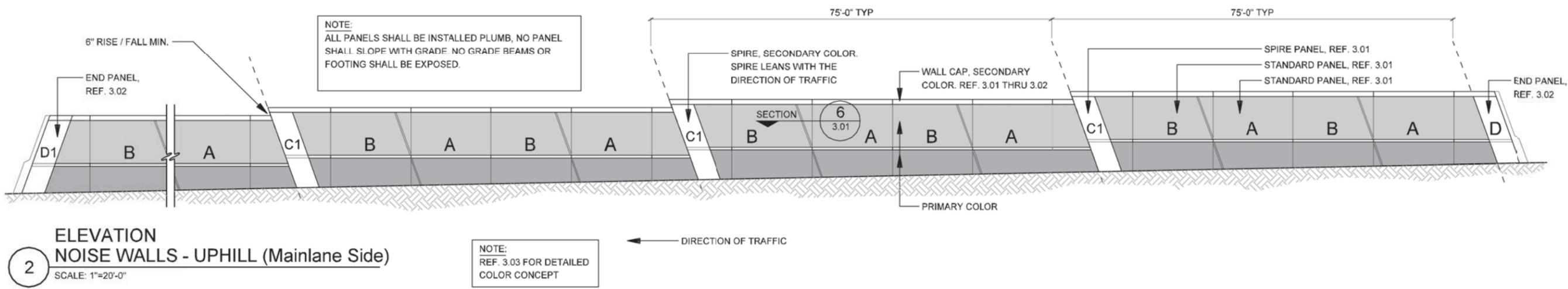
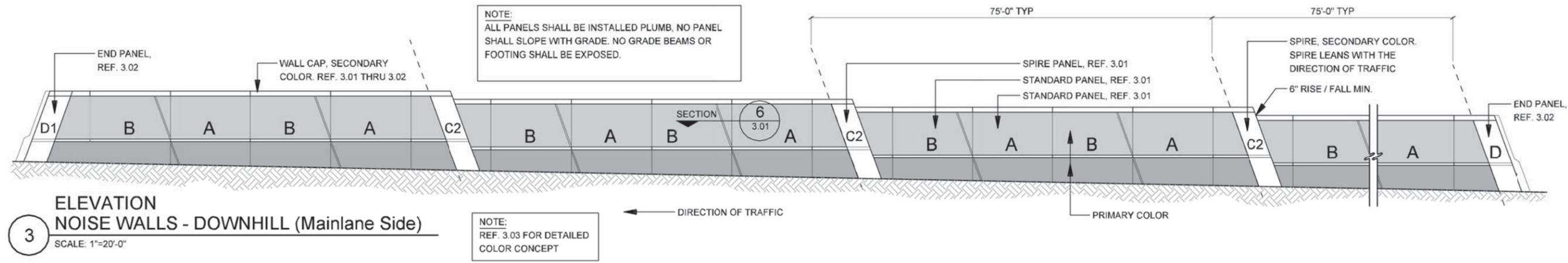


1 ELEVATION
RETAINING WALL - COLOR CONCEPT
SCALE: 1"=20'-0"

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-635 RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 2.07
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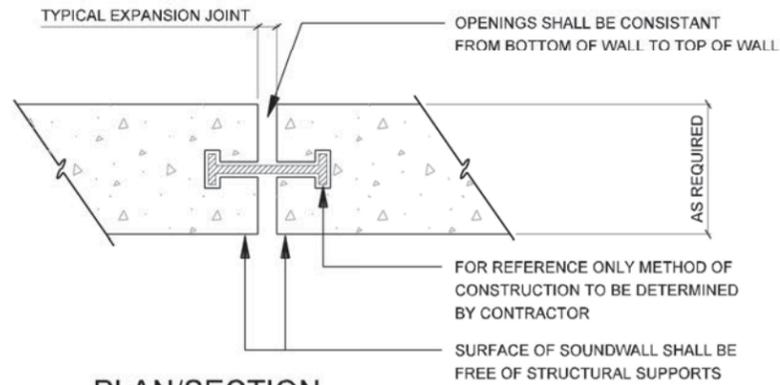


NOISE WALLS

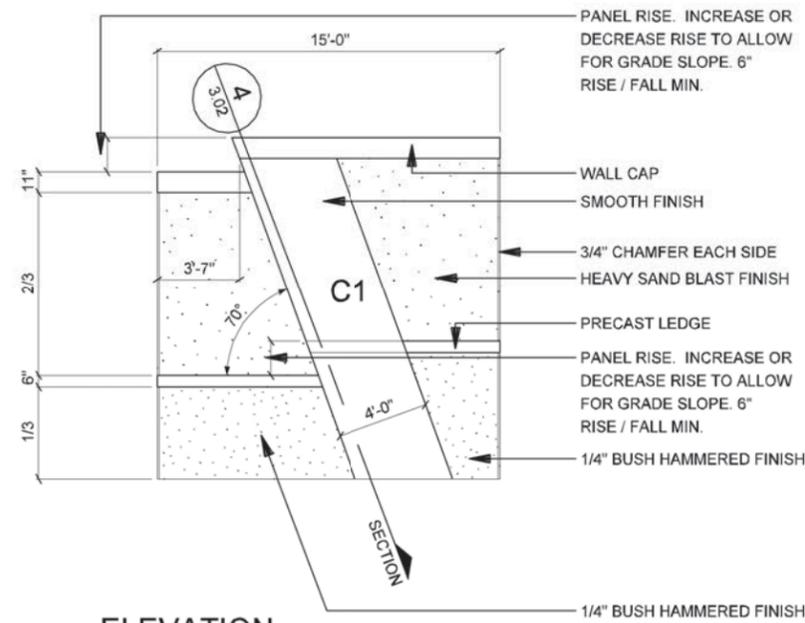


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

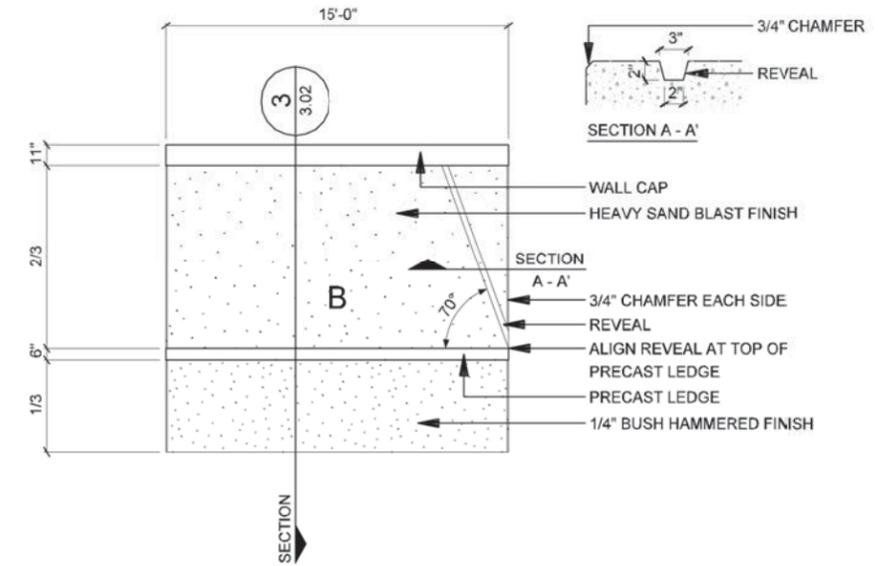
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: NOISE WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 3.00
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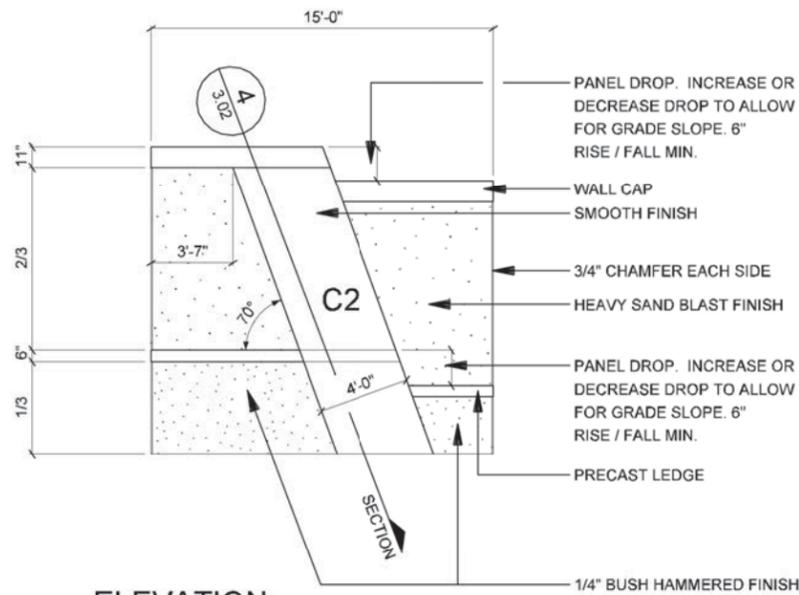
**6 PLAN/SECTION
PANEL CONNECTION**
SCALE: 1"=1'-0"



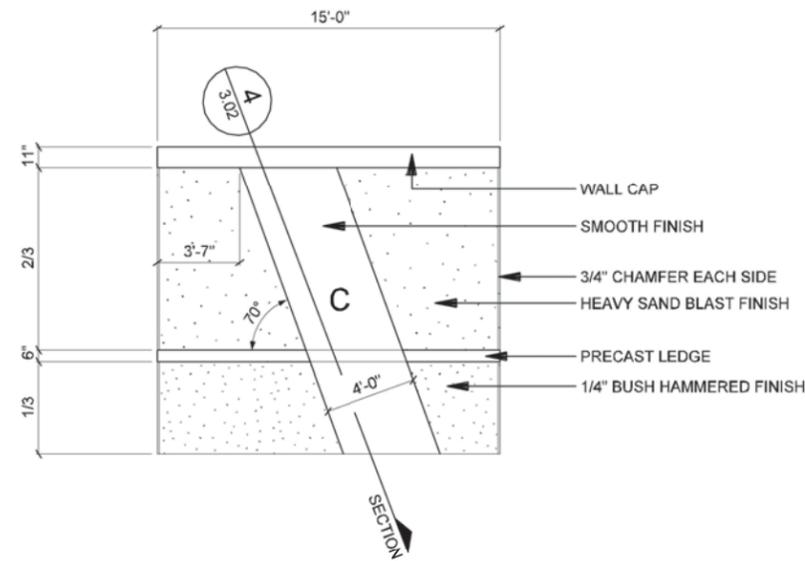
**4 ELEVATION
SPIRE WALL PANEL - C1**
SCALE: 1/8"=1'-0"



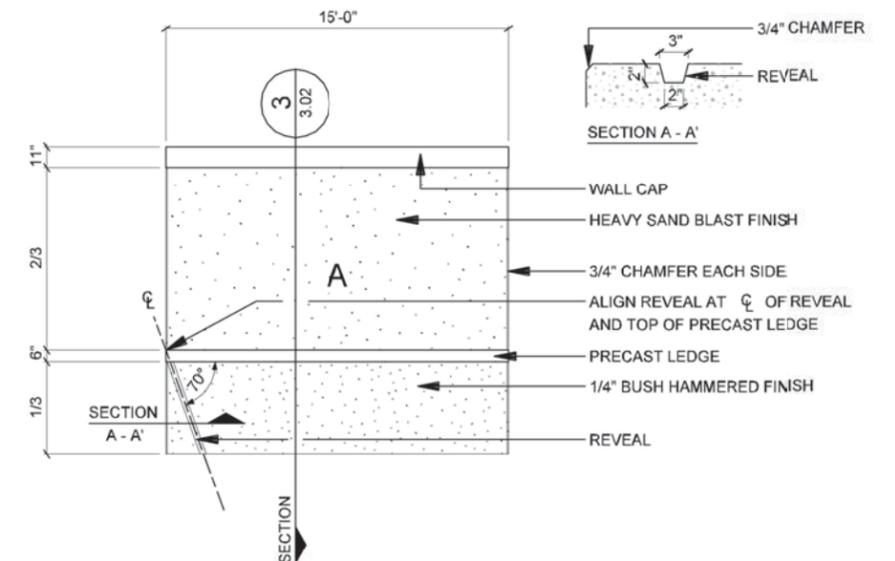
**2 ELEVATION
STANDARD WALL PANEL - B**
SCALE: 1/8"=1'-0"



**5 ELEVATION
SPIRE WALL PANEL - C2**
SCALE: 1/8"=1'-0"



**3 ELEVATION
SPIRE WALL PANEL - C**
SCALE: 1/8"=1'-0"



**1 ELEVATION
STANDARD WALL PANEL - A**
SCALE: 1/8"=1'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:
09/12/2007

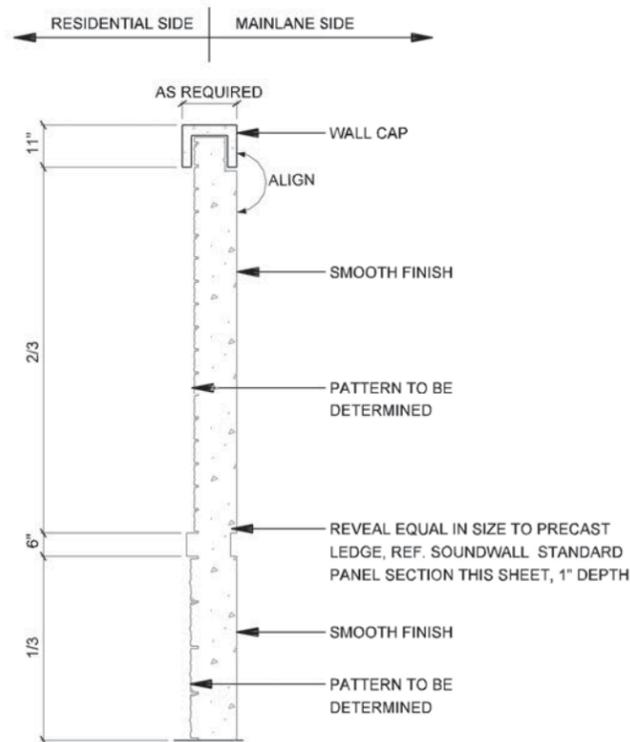
SCALE:
AS NOTED

SHEET CONTENTS:
NOISE WALLS

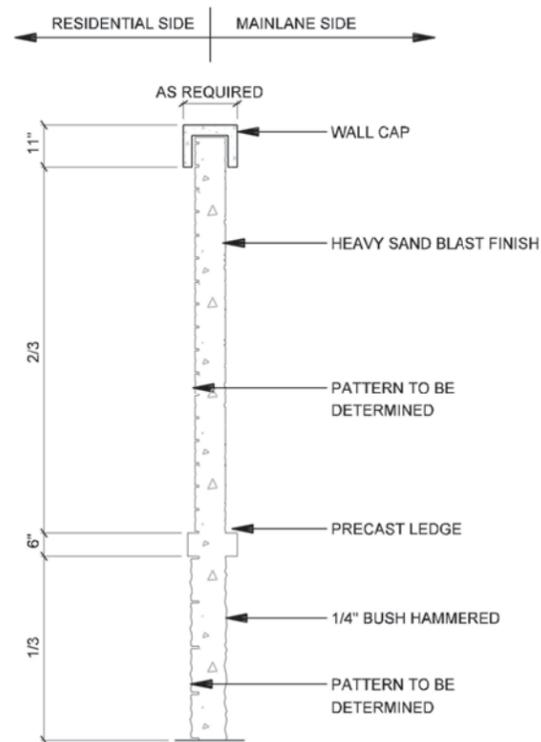
ATTACHMENT:
15-1A

SHEET NUMBER:
3.01

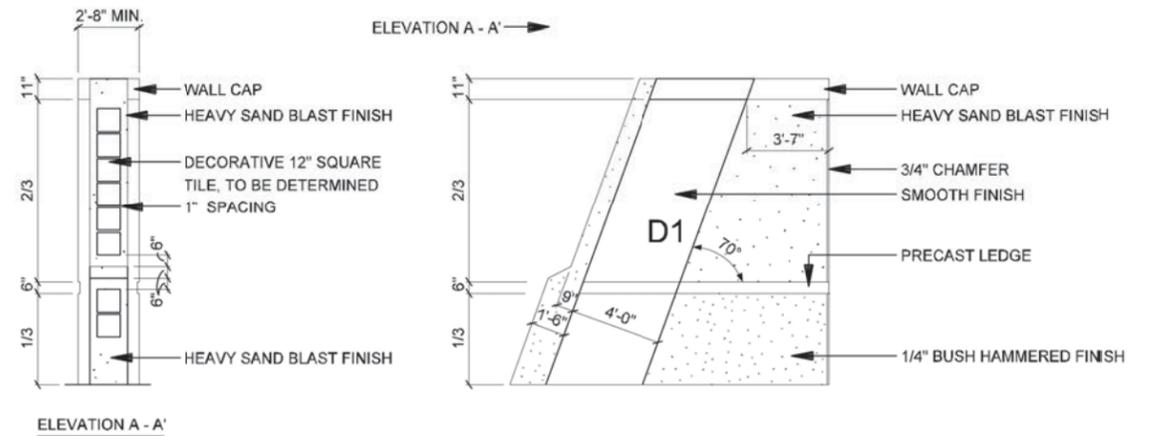
NOTE:
 DEVELOPER SHALL USE DESIGN SHOWN FOR MAINLANE SIDE OF NOISE WALL. DEVELOPER SHALL DETERMINE DESIGN FOR RESIDENTIAL SIDE BASED ON PUBLIC INPUT AND AGREEMENT. RID 3.01 REPRESENTS POTENTIAL / DESIRED LOOK FOR RESIDENTIAL SIDE



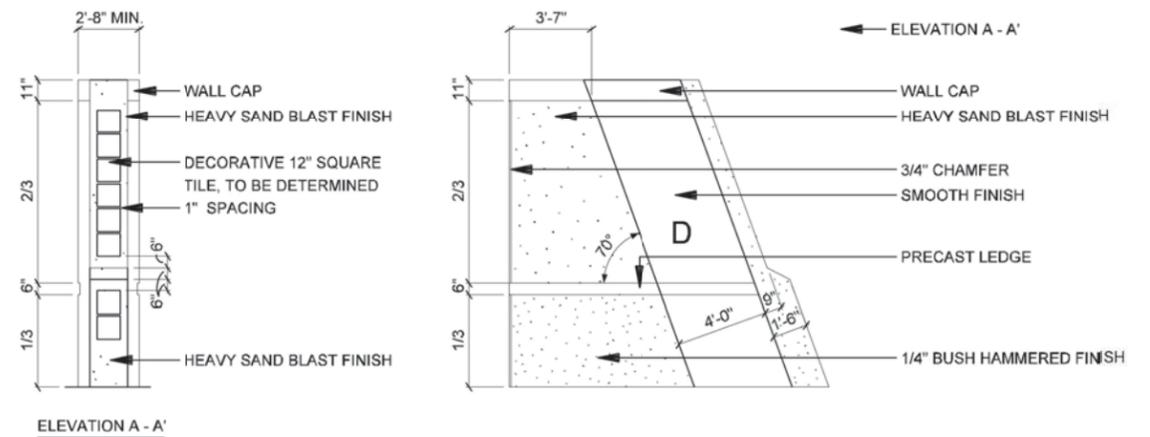
4 SECTION NOISE WALLS SPIRE PANEL
 SCALE: 1/4"=1'-0"



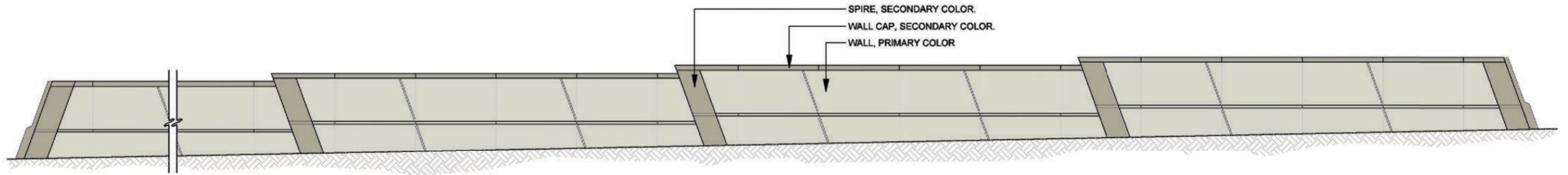
3 SECTION NOISE WALLS STANDARD PANEL
 SCALE: 1/4"=1'-0"



2 ELEVATION STANDARD WALL PANEL - D1 (Mirror of Panel D)
 SCALE: 1/8"=1'-0"

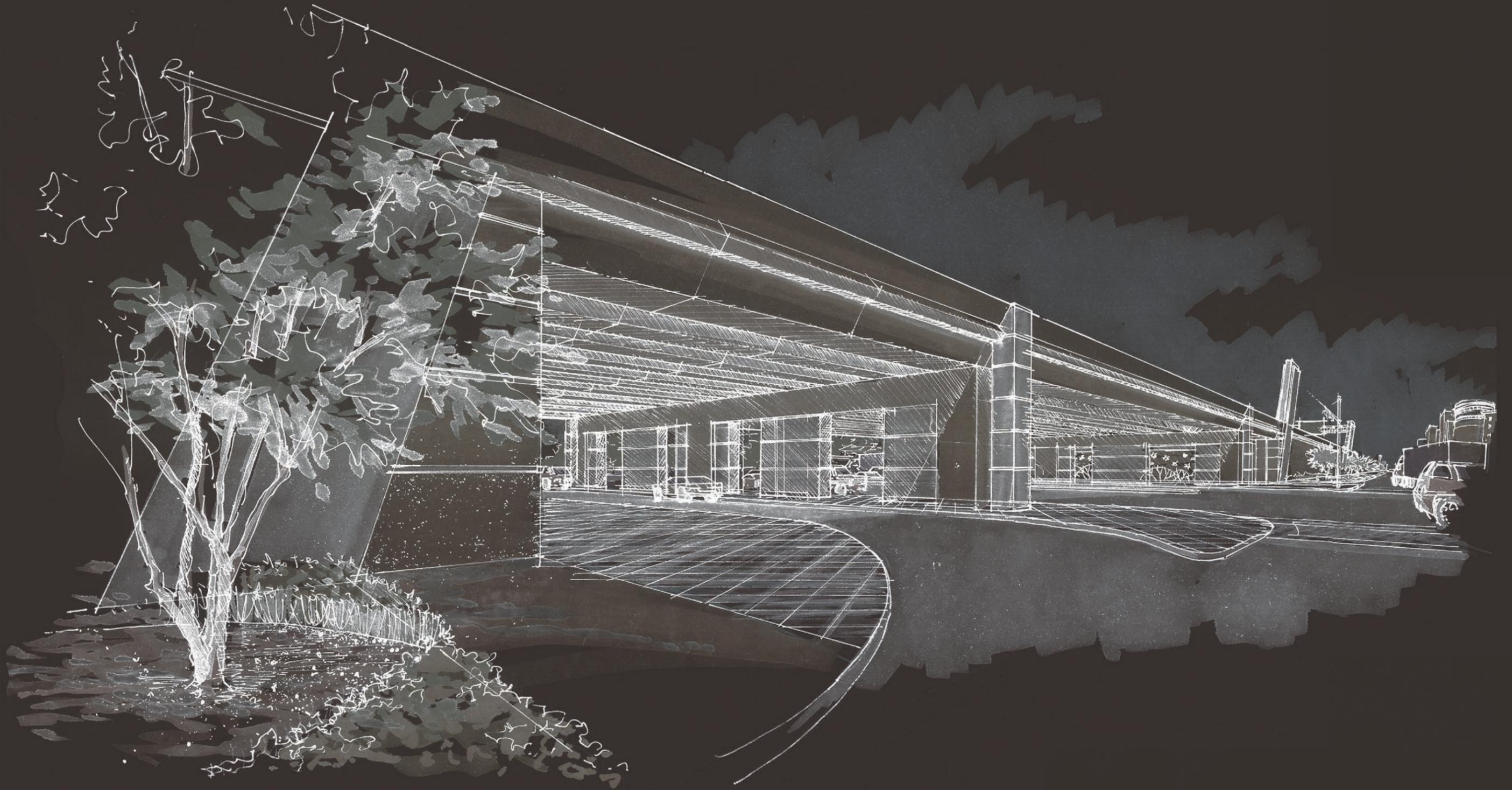


1 ELEVATION STANDARD WALL PANEL - D
 SCALE: 1/8"=1'-0"

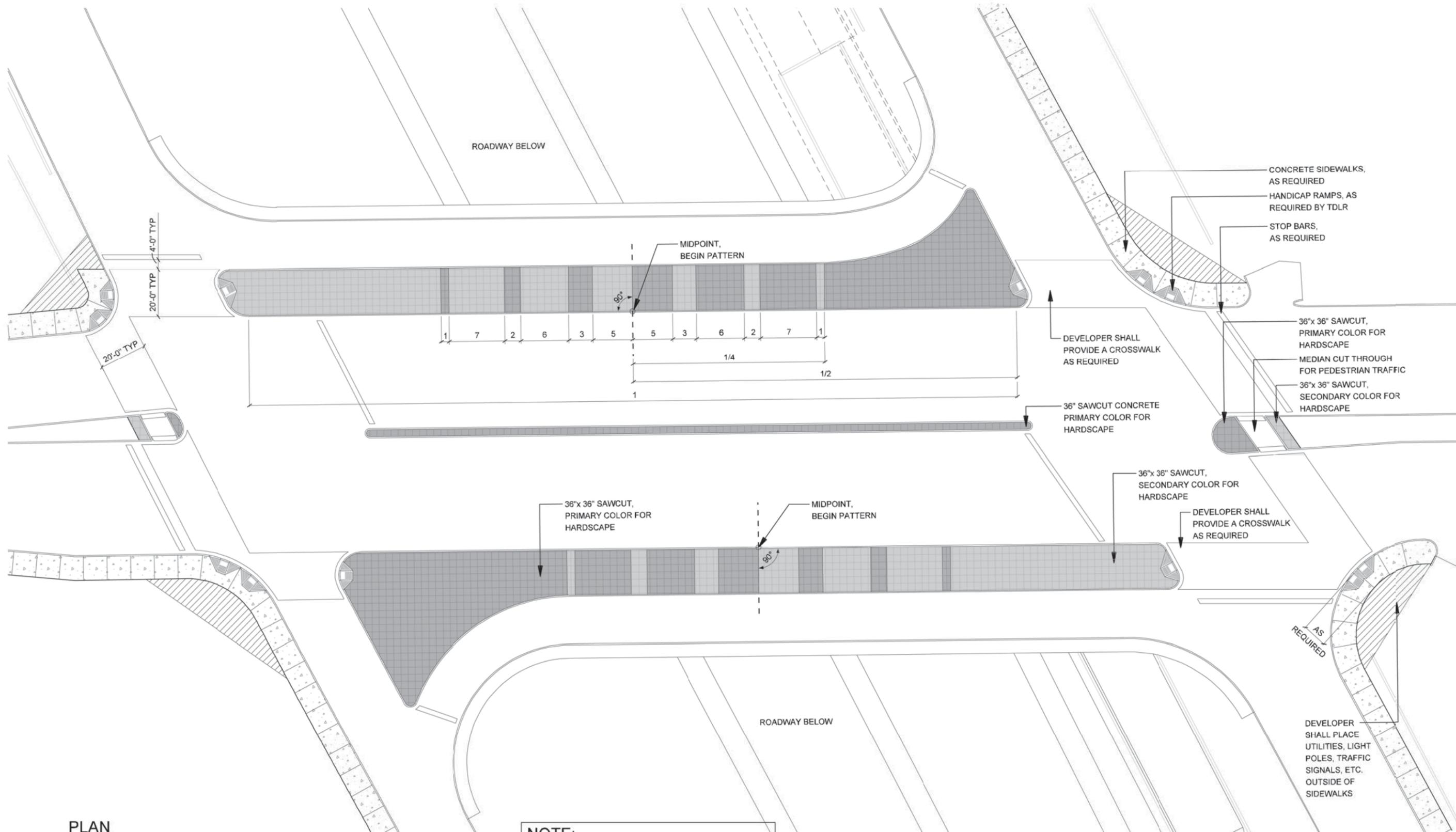


1 ELEVATION
NOISE WALLS - COLOR CONCEPT
 SCALE: 1"=20'-0"

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: NOISE WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 3.03
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HARDSCAPE



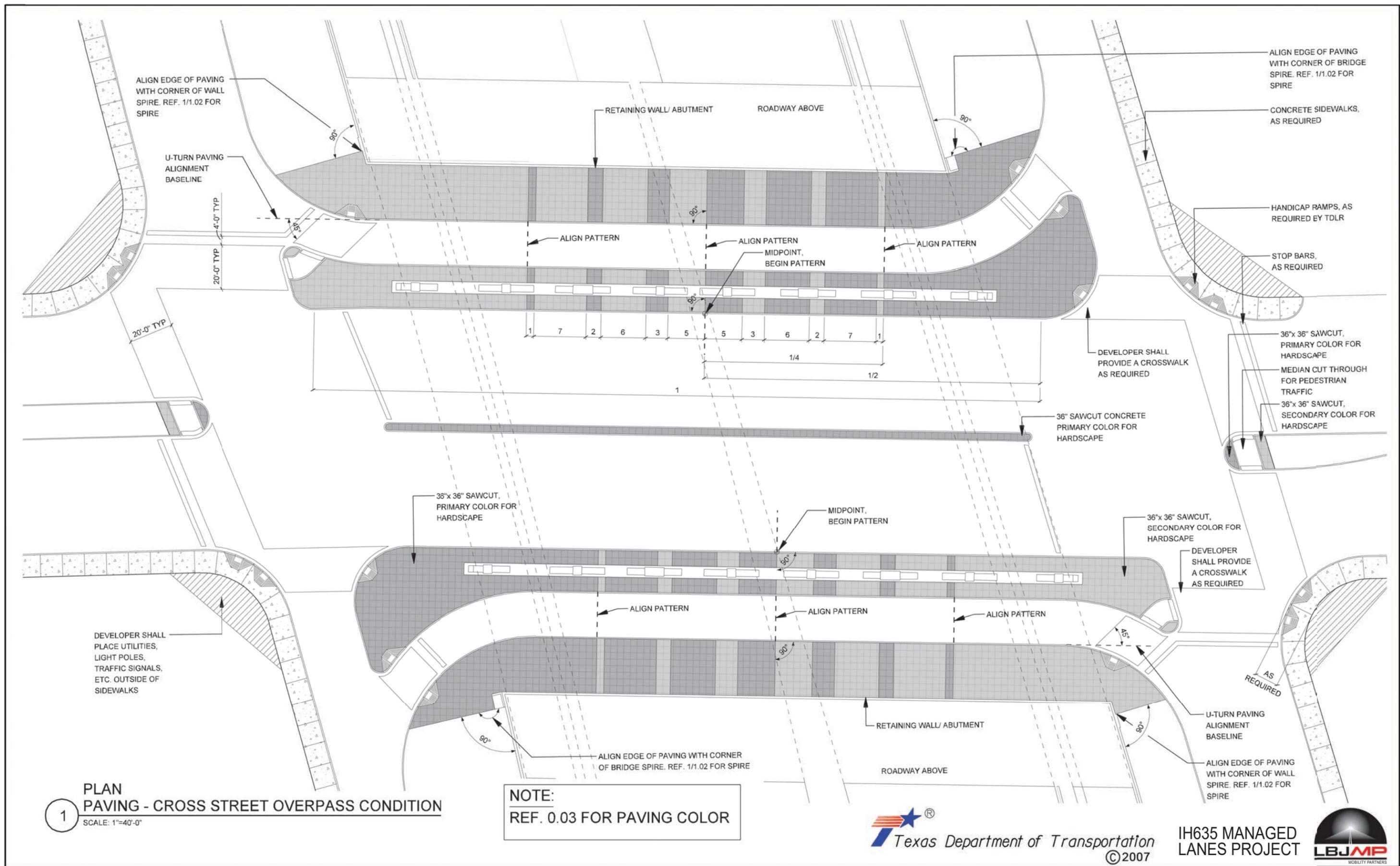
1 PLAN PAVING - CROSS STREET UNDERPASS CONDITION
SCALE: 1"=40'-0"

NOTE:
REF. 0.03 FOR PAVING COLOR



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: HARDSCAPE PLAN	ATTACHMENT: 15-1A	SHEET NUMBER: 4.00
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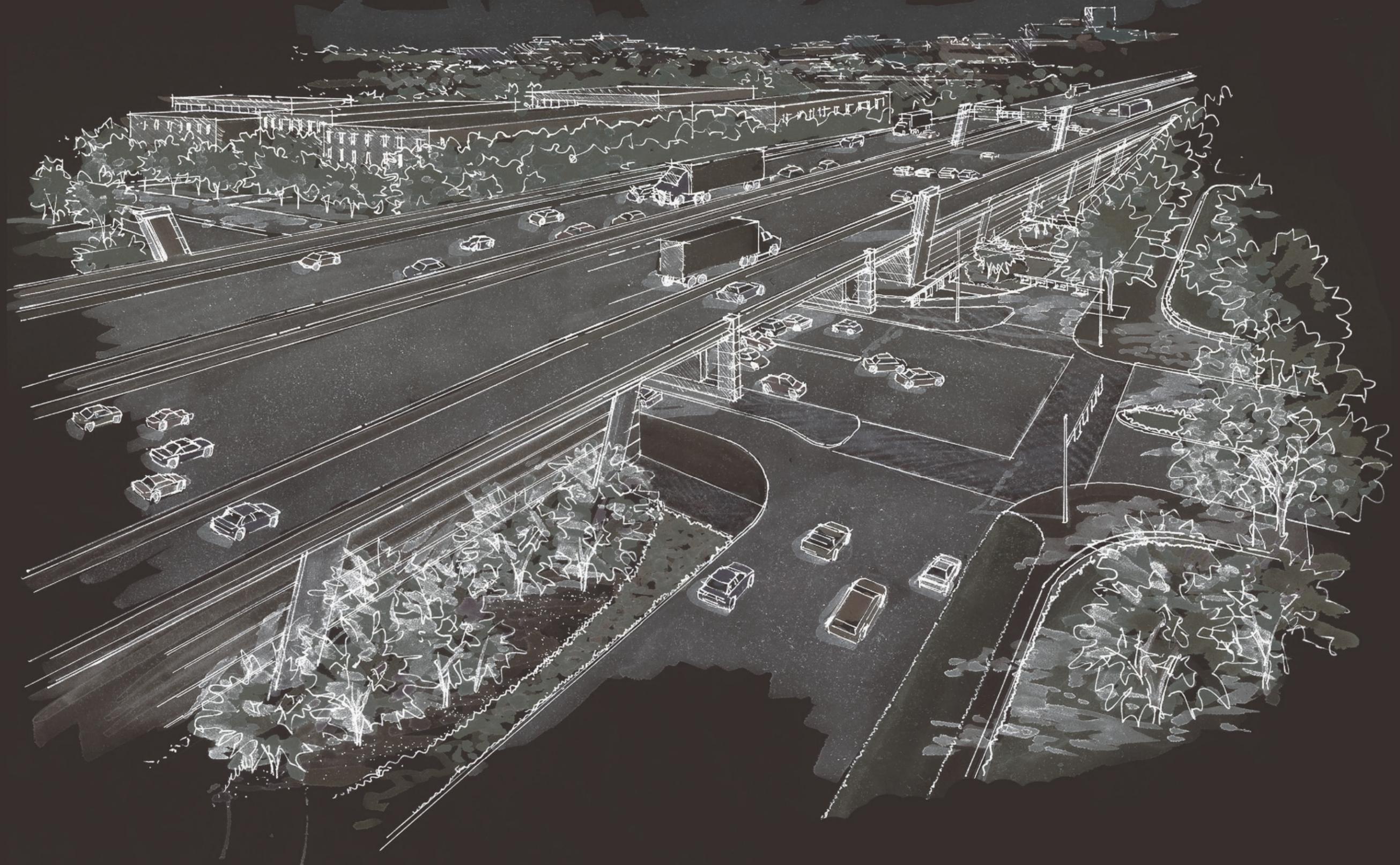
1 PLAN PAVING - CROSS STREET OVERPASS CONDITION
SCALE: 1"=40'-0"

NOTE:
REF. 0.03 FOR PAVING COLOR

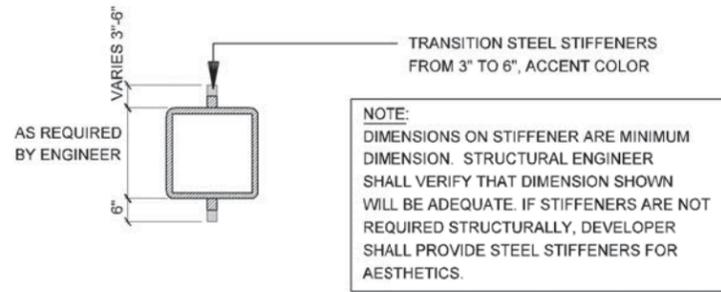


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

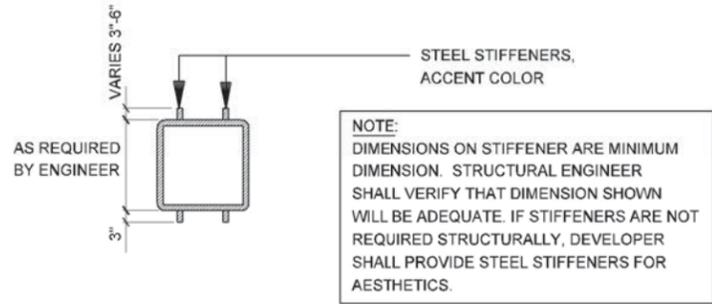
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: HARDSCAPE PLAN	ATTACHMENT: 15-1A	SHEET NUMBER: 4.01
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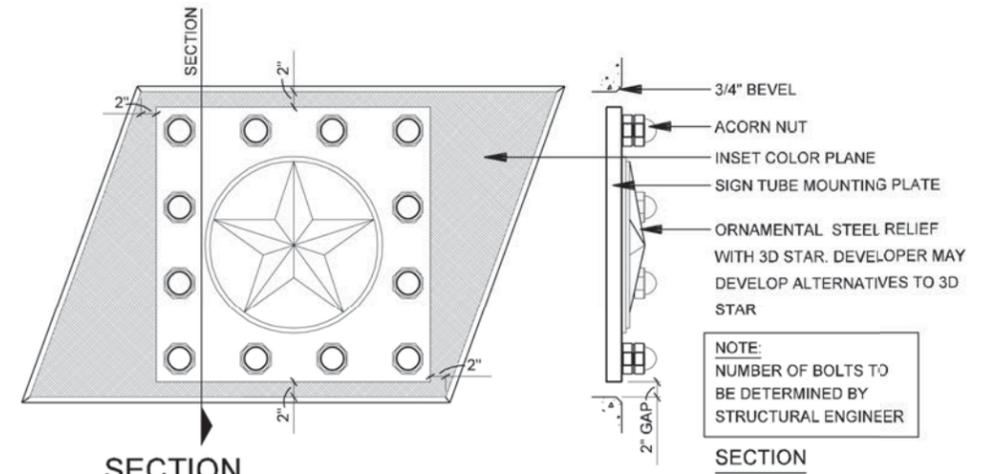
SIGNAGE



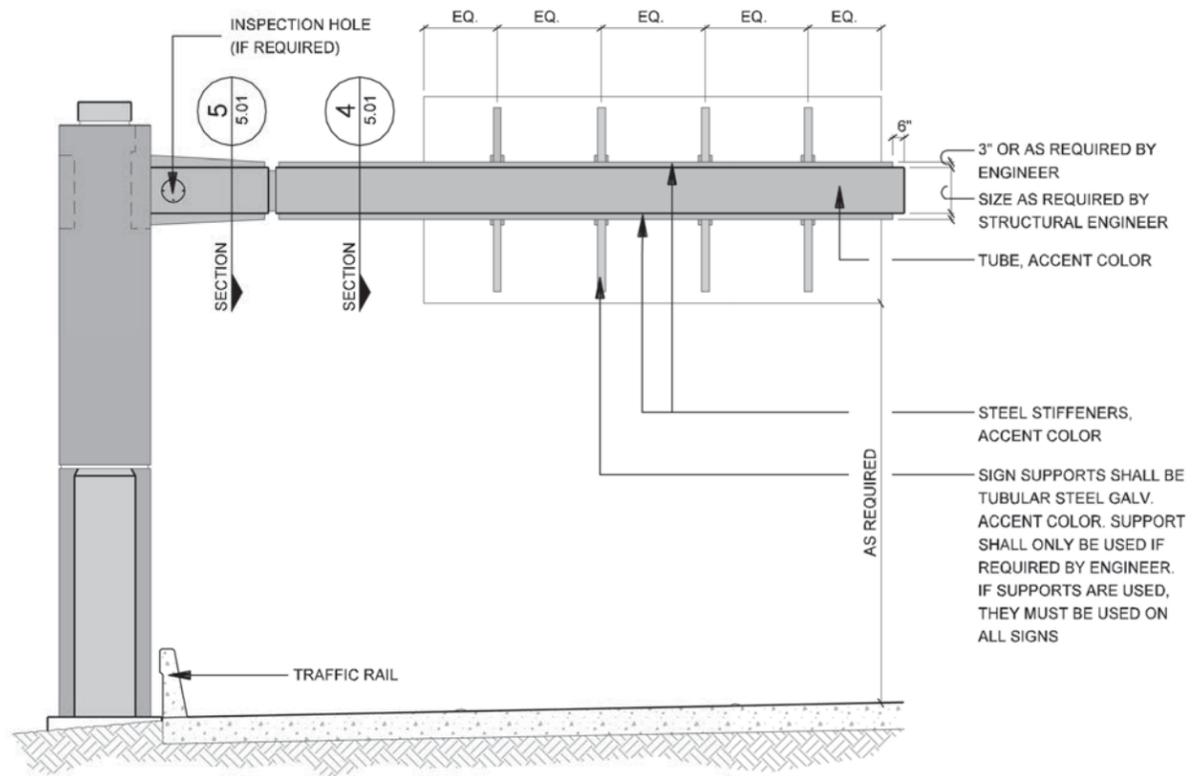
5
SECTION
TUBE
SCALE: 1/4"=1'-0"



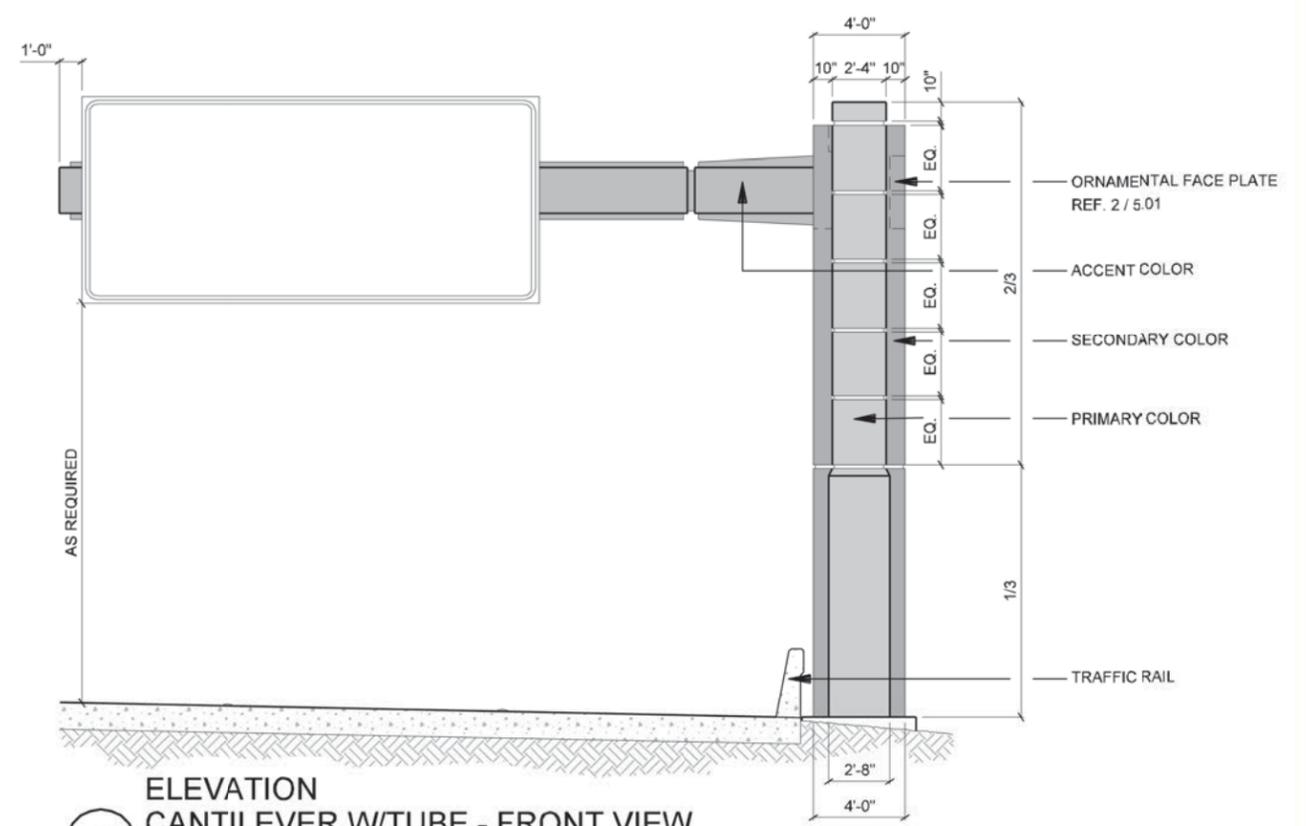
4
SECTION
TUBE
SCALE: 1/4"=1'-0"



2
SECTION
ORNAMENTAL FACE PLATE
SCALE: 1/2"=1'-0"



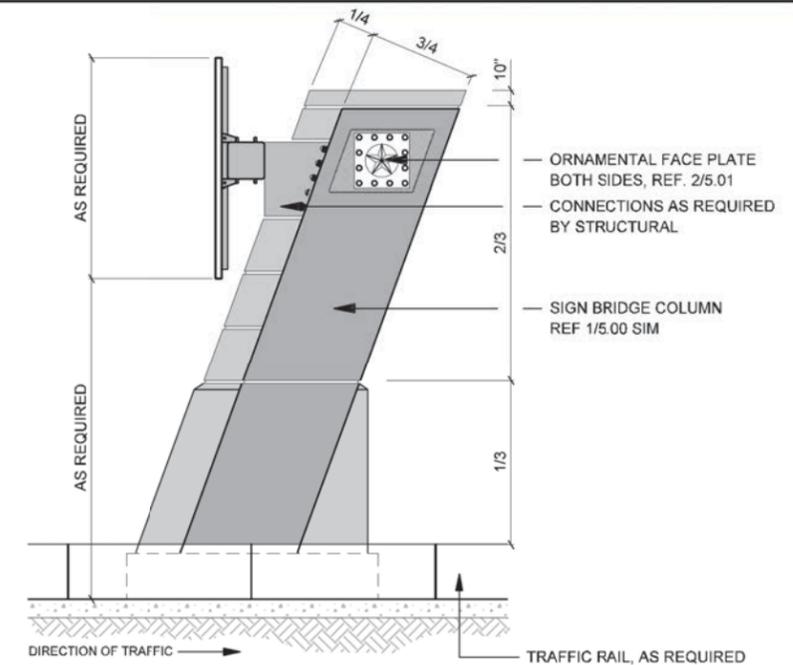
3
ELEVATION
CANTILEVER W/TUBE - BACK VIEW
SCALE: 1/8"=1'-0"



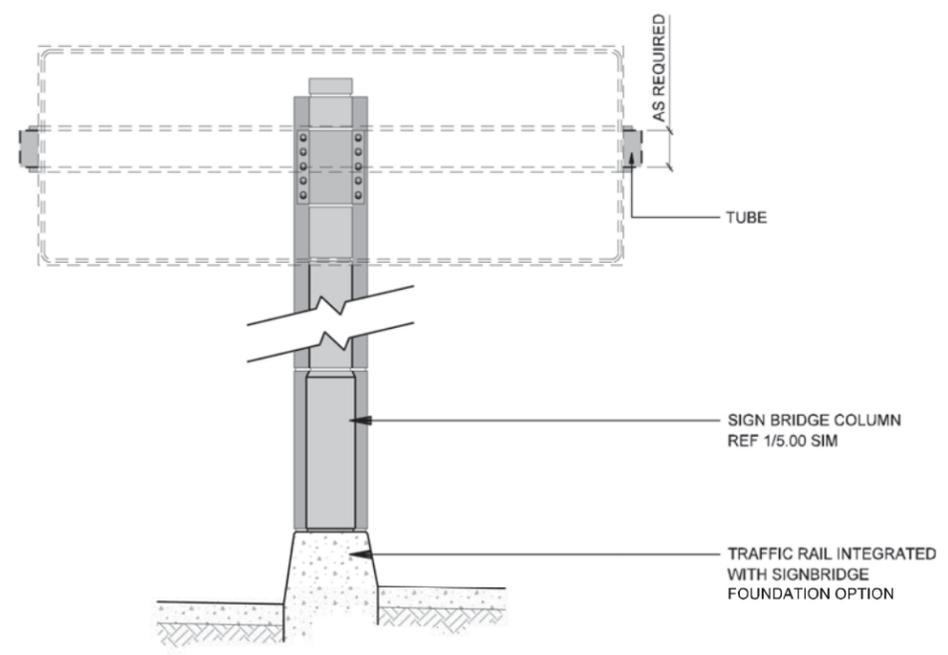
1
ELEVATION
CANTILEVER W/TUBE - FRONT VIEW
SCALE: 1/8"=1'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

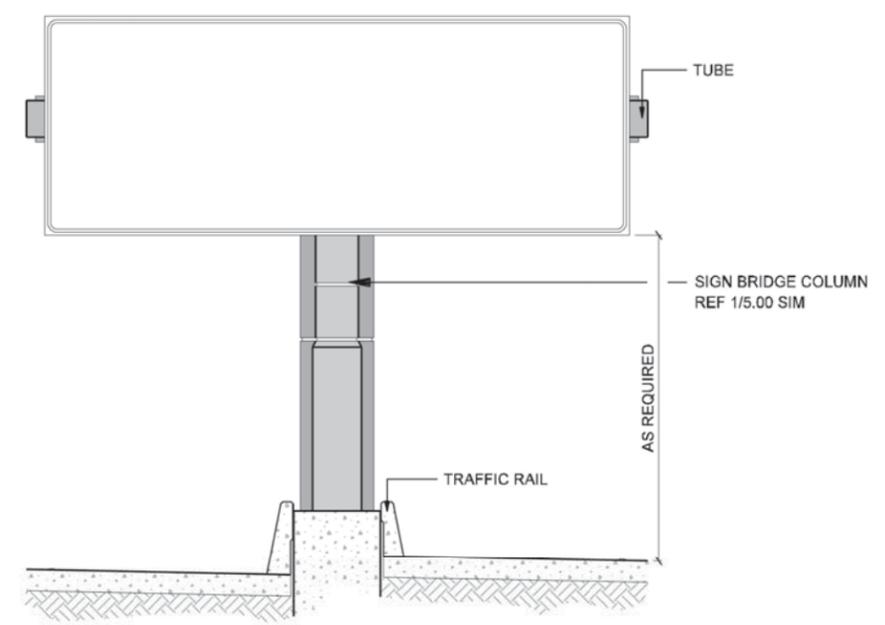
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: SIGN BRIDGE	ATTACHMENT: 15-1A	SHEET NUMBER: 5.01
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2 ELEVATION
CENTER MEDIAN SIGNAGE SUPPORT - SIDE VIEW
SCALE: 1"=10'-0"



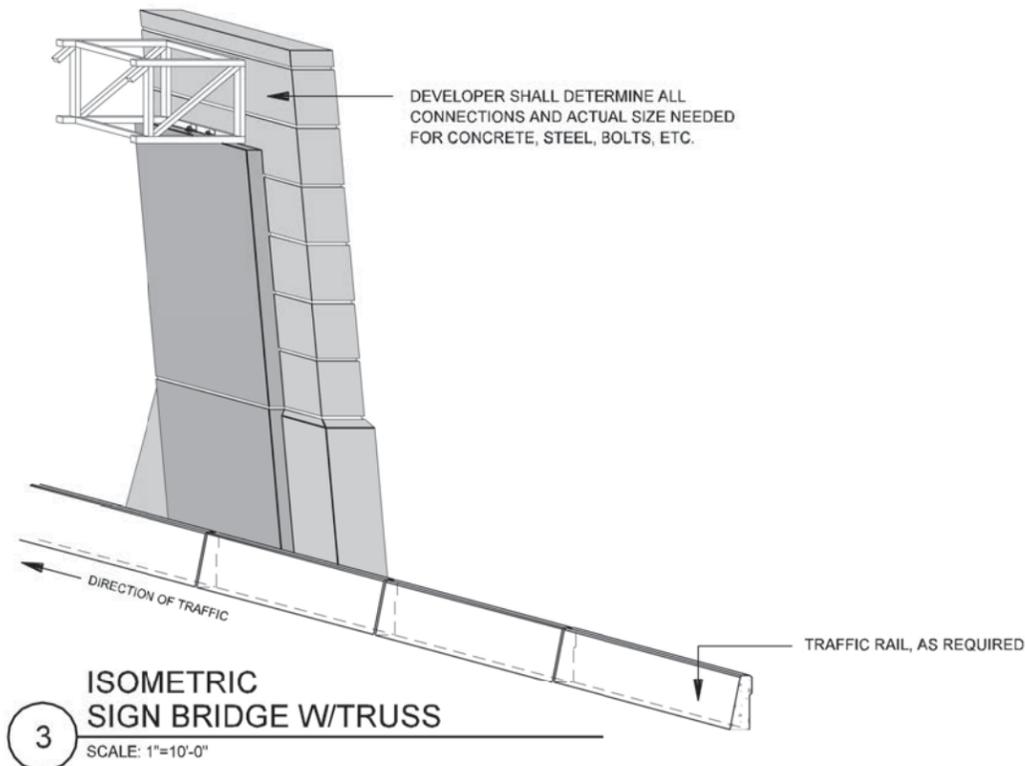
3 ELEVATION
TUBE COLUMN CONNECTION
SCALE: 1"=10'-0"



1 ELEVATION
BUTTERFLY W/TUBE - FRONT VIEW
SCALE: 1"=10'-0"

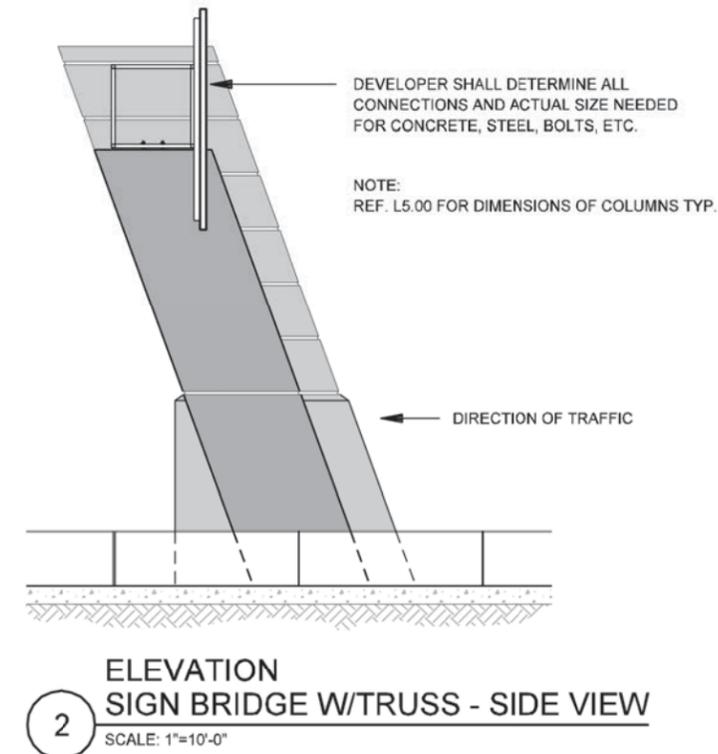
NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: SIGN BRIDGE	ATTACHMENT: 15-1A	SHEET NUMBER: 5.02
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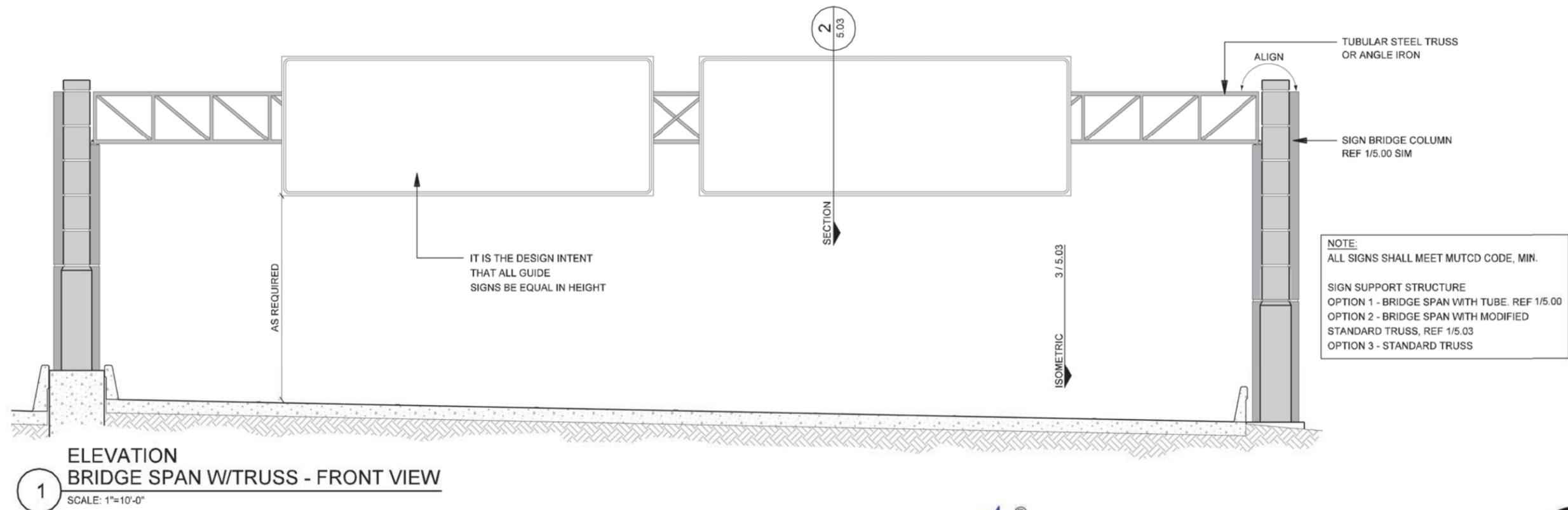
**ISOMETRIC
SIGN BRIDGE W/TRUSS**

SCALE: 1"=10'-0"



**ELEVATION
SIGN BRIDGE W/TRUSS - SIDE VIEW**

SCALE: 1"=10'-0"



**ELEVATION
BRIDGE SPAN W/TRUSS - FRONT VIEW**

SCALE: 1"=10'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

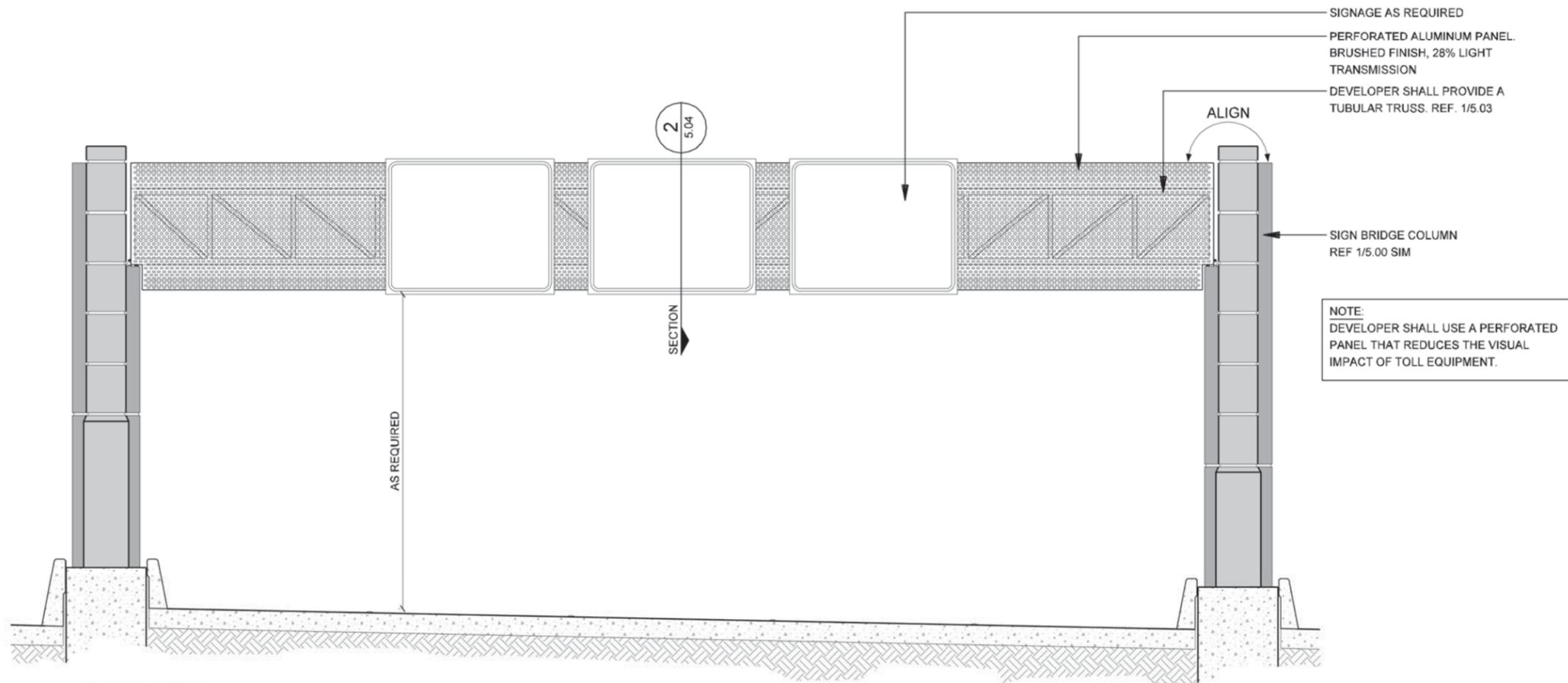
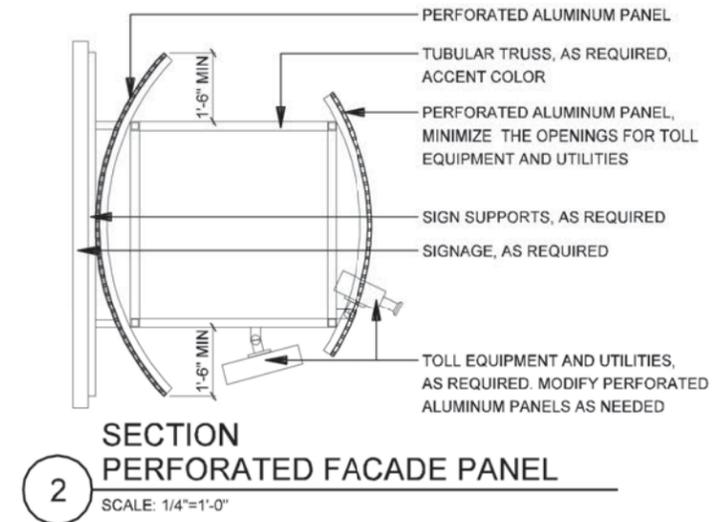
DATE:
09/12/2007

SCALE:
AS NOTED

SHEET CONTENTS:
SIGN BRIDGE

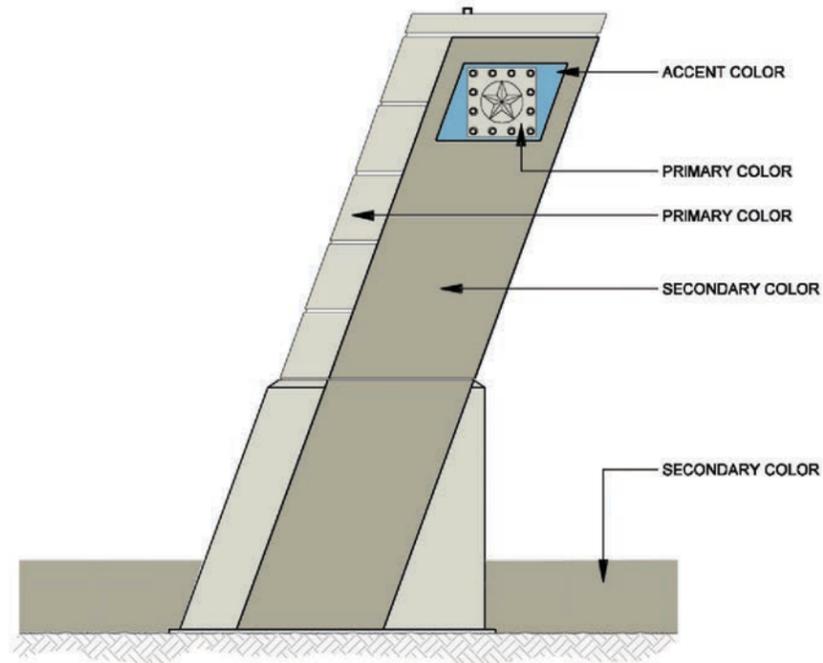
ATTACHMENT:
15-1A

SHEET NUMBER:
5.03

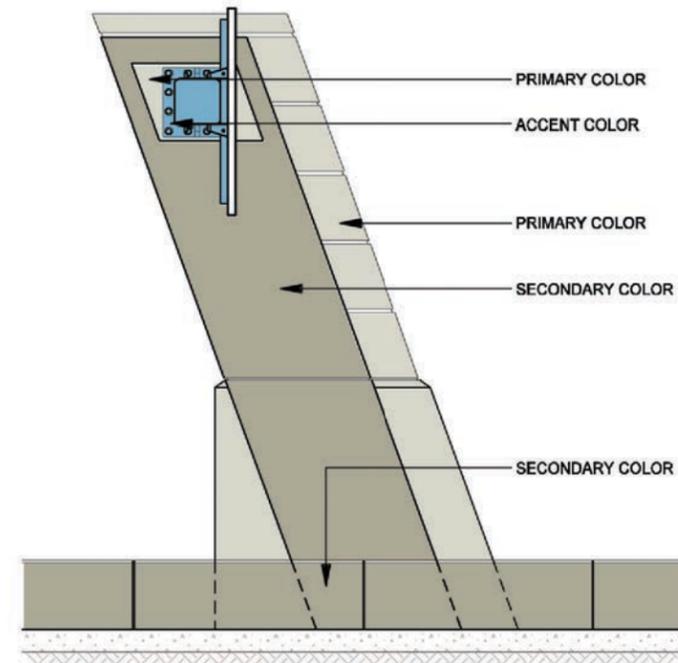


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

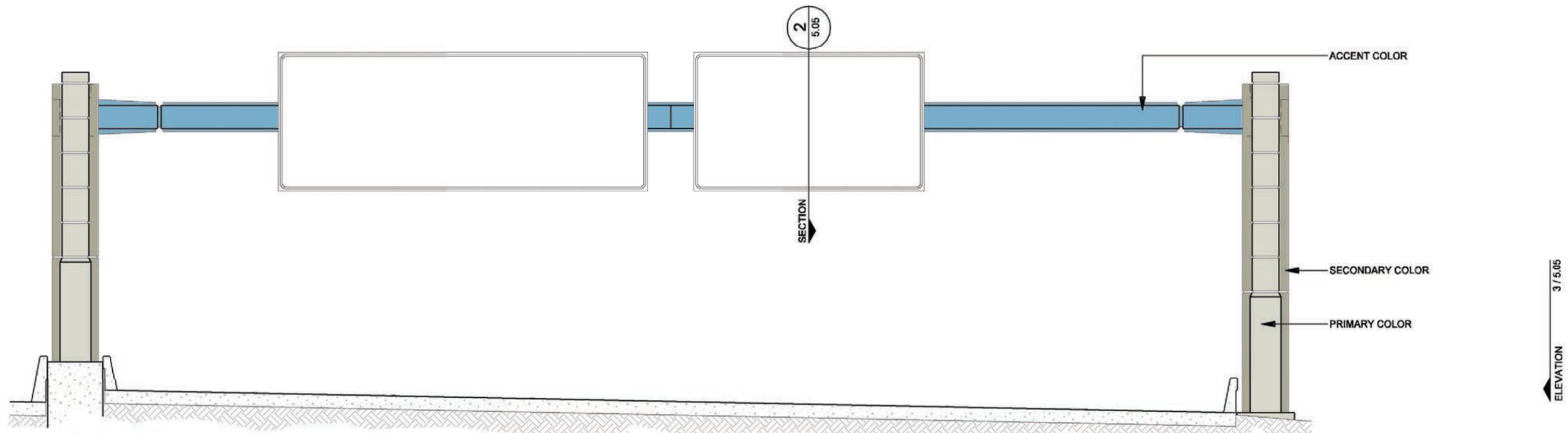
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: GANTRIES	ATTACHMENT: 15-1A	SHEET NUMBER: 5.04
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3 ELEVATION
SIGN BRIDGE - COLOR CONCEPT
SCALE: 1/8"=1'-0"



2 ELEVATION
SIGN BRIDGE - COLOR CONCEPT
SCALE: 1/8"=1'-0"

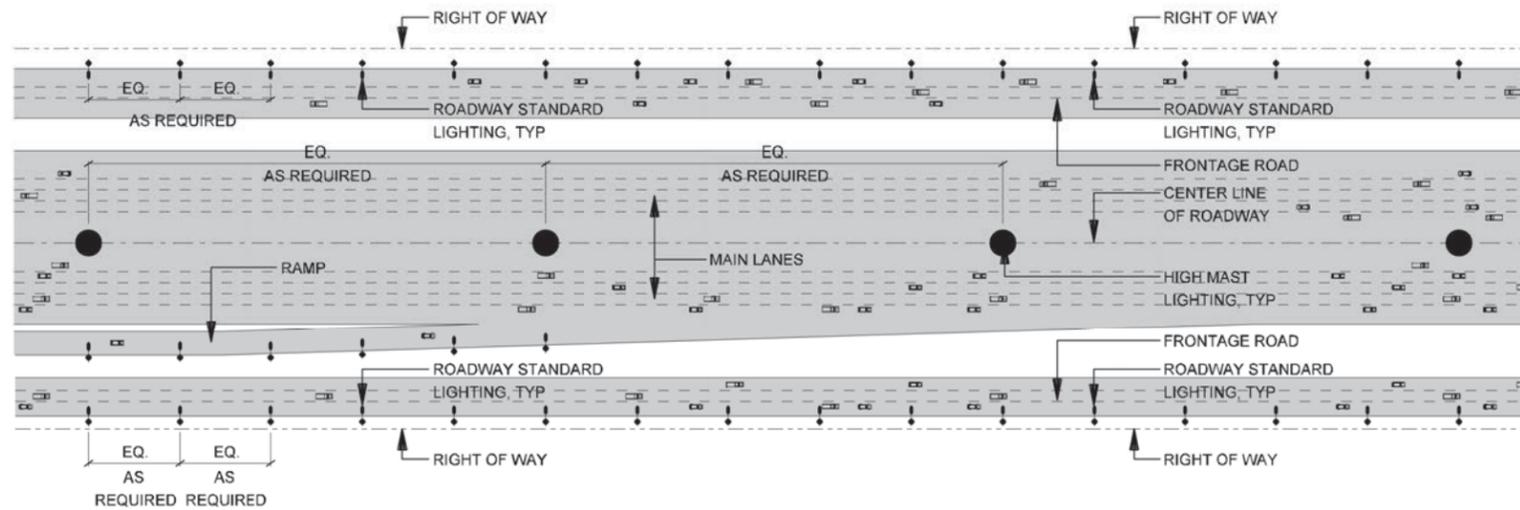


1 ELEVATION
SIGN BRIDGE - COLOR CONCEPT
SCALE: 1"=10'-0"

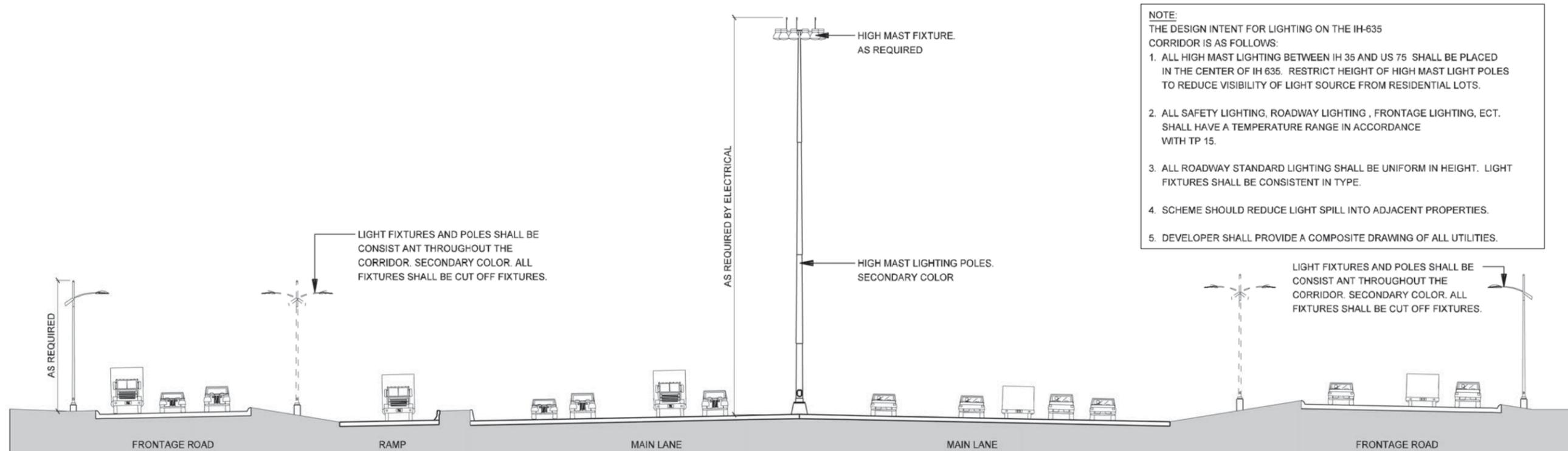
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: SIGN BRIDGE	ATTACHMENT: 15-1A	SHEET NUMBER: 5.05
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ROADWAY LIGHTING



2 PLAN LIGHTPOLE LAYOUT DIAGRAM - IH-635 TYP
SCALE: N.T.S.



NOTE:
THE DESIGN INTENT FOR LIGHTING ON THE IH-635 CORRIDOR IS AS FOLLOWS:

1. ALL HIGH MAST LIGHTING BETWEEN IH 35 AND US 75 SHALL BE PLACED IN THE CENTER OF IH 635. RESTRICT HEIGHT OF HIGH MAST LIGHT POLES TO REDUCE VISIBILITY OF LIGHT SOURCE FROM RESIDENTIAL LOTS.
2. ALL SAFETY LIGHTING, ROADWAY LIGHTING, FRONTAGE LIGHTING, ECT. SHALL HAVE A TEMPERATURE RANGE IN ACCORDANCE WITH TP 15.
3. ALL ROADWAY STANDARD LIGHTING SHALL BE UNIFORM IN HEIGHT. LIGHT FIXTURES SHALL BE CONSISTENT IN TYPE.
4. SCHEME SHOULD REDUCE LIGHT SPILL INTO ADJACENT PROPERTIES.
5. DEVELOPER SHALL PROVIDE A COMPOSITE DRAWING OF ALL UTILITIES.

1 SECTION LIGHTING LAYOUT - IH-635 TYP
SCALE: 1"=30'-0"

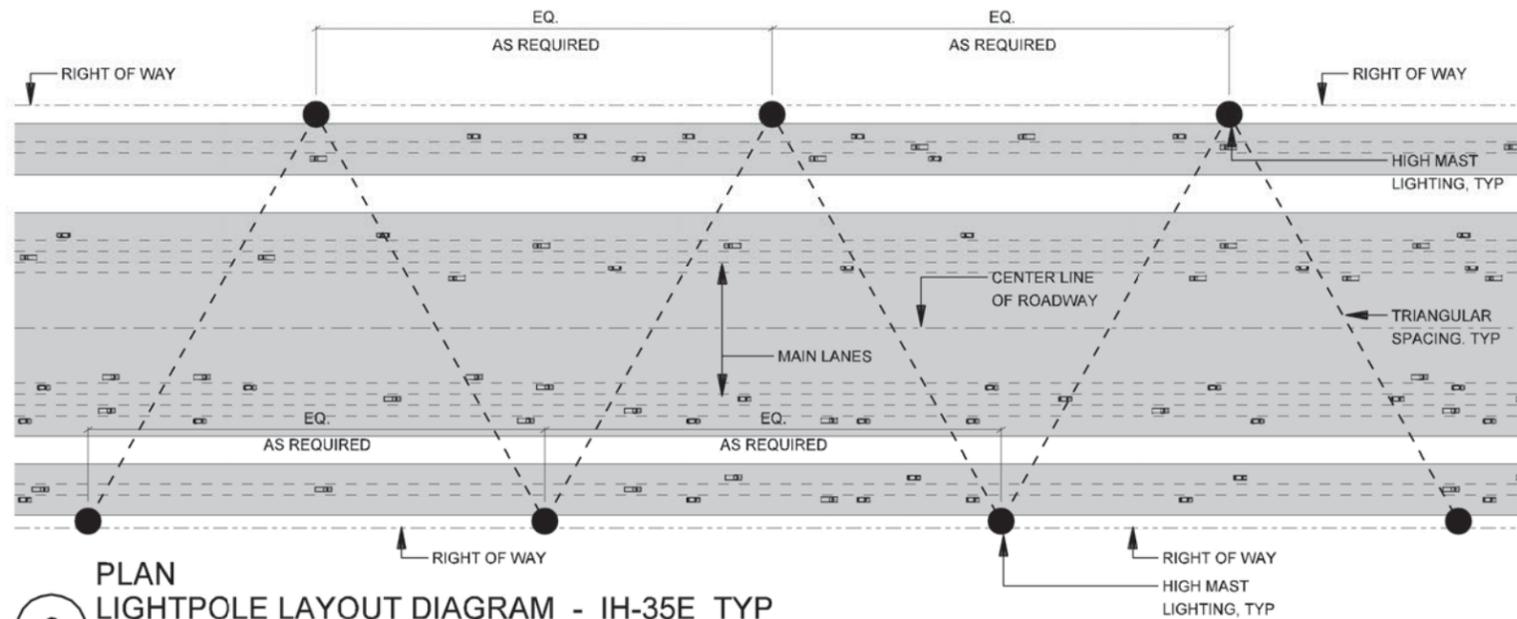


IH635 MANAGED LANES PROJECT

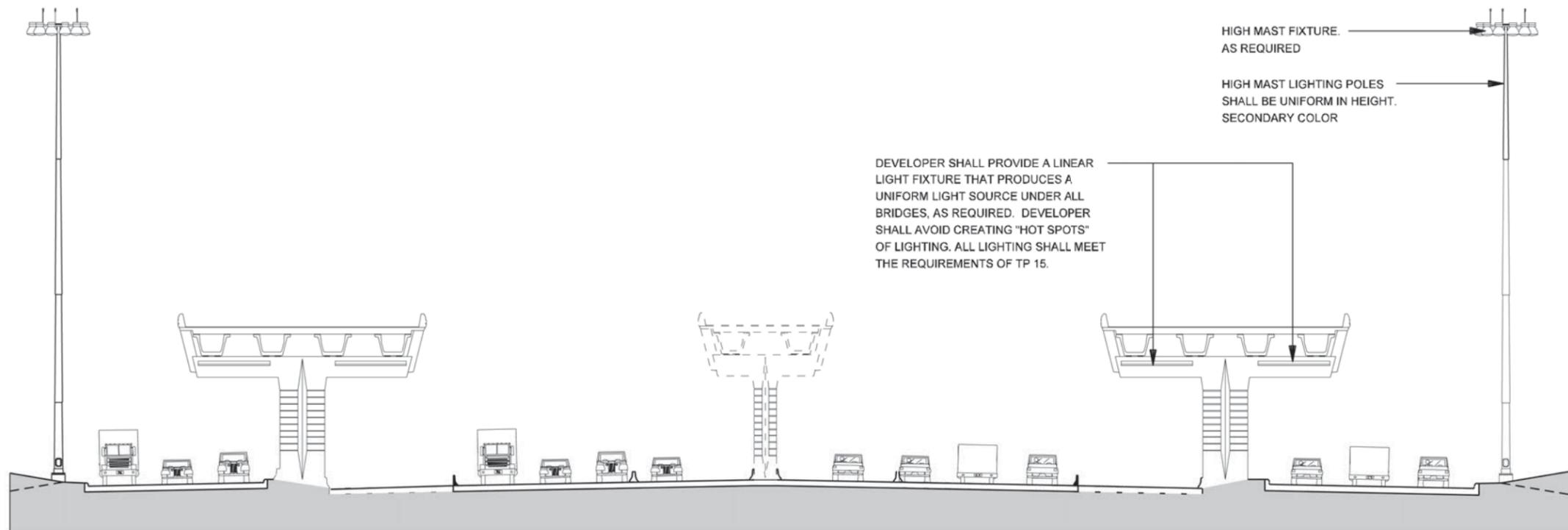


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: ROADWAY LIGHTING	ATTACHMENT: 15-1A	SHEET NUMBER: 6.00
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2 PLAN LIGHTPOLE LAYOUT DIAGRAM - IH-35E TYP
SCALE: N.T.S.



1 SECTION LIGHTING LAYOUT - IH-35E TYP
SCALE: 1"=30'-0"



IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

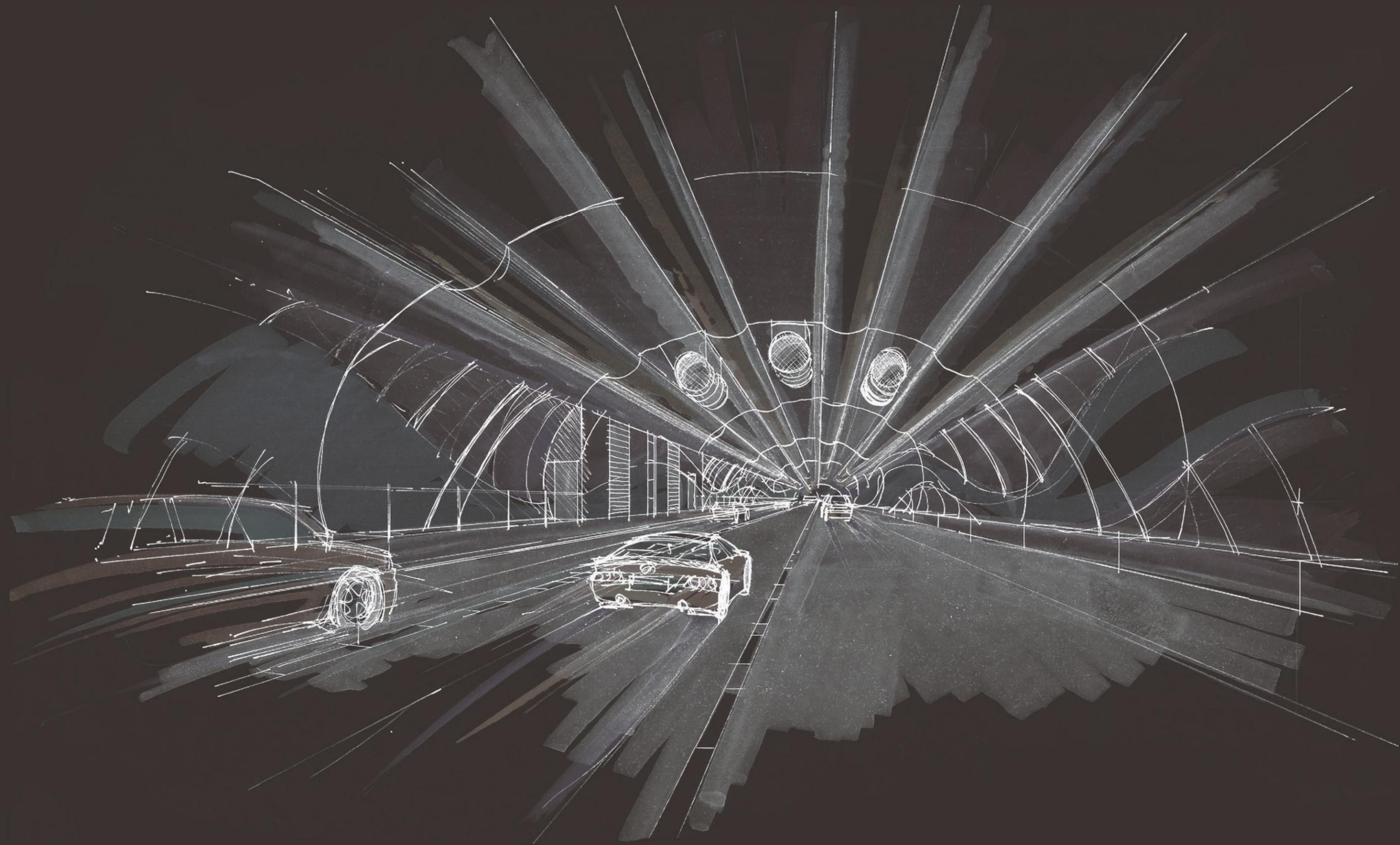
DATE:
09/12/2007

SCALE:
AS NOTED

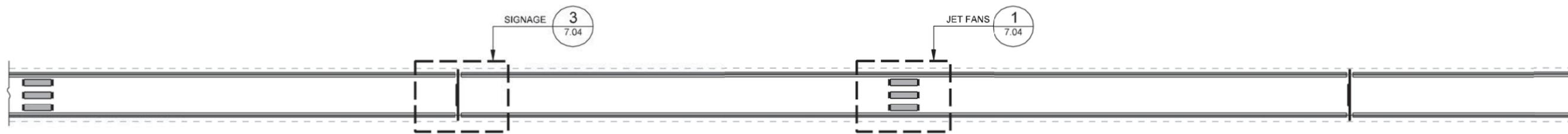
SHEET CONTENTS:
ROADWAY LIGHTING

ATTACHMENT:
15-1A

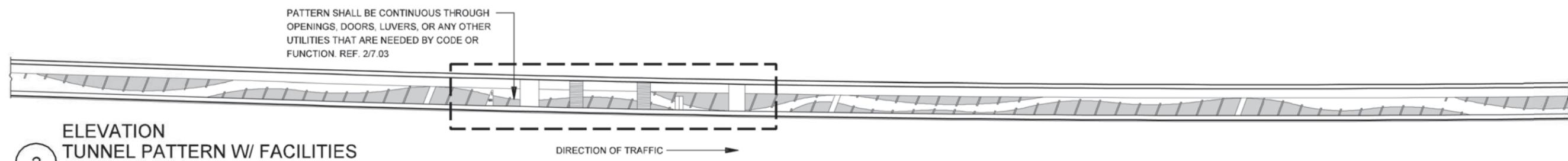
SHEET NUMBER:
6.01



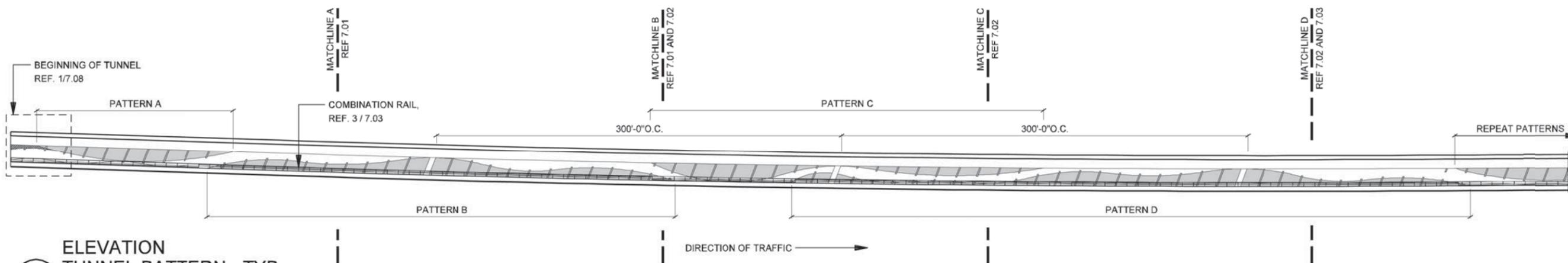
TUNNEL AESTHETICS



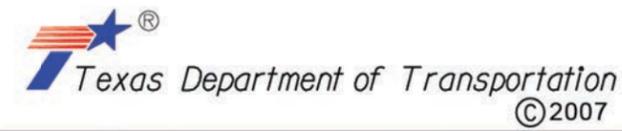
3
PLAN REFLECTED CEILING
 SCALE: 1"=100'-0"



2
ELEVATION TUNNEL PATTERN W/ FACILITIES
 SCALE: 1"=80'-0"



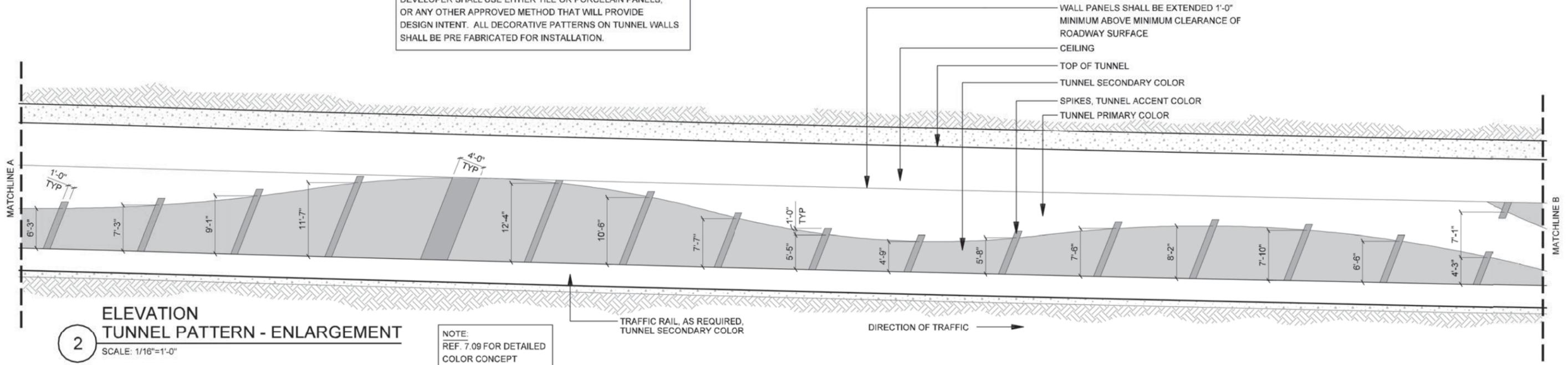
1
ELEVATION TUNNEL PATTERN - TYP
 SCALE: 1"=80'-0"



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.00
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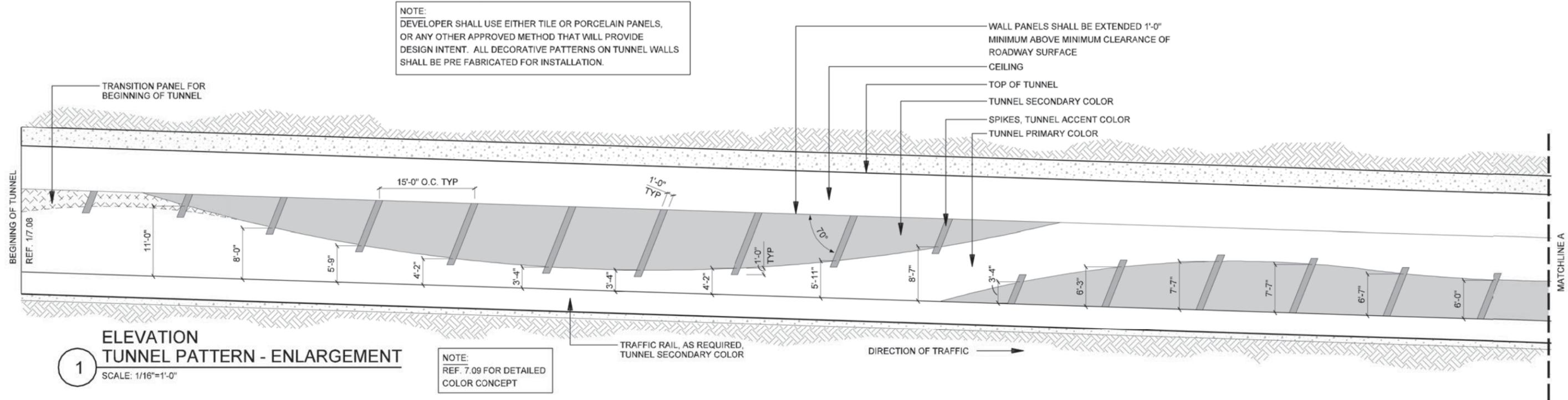
NOTE:
DEVELOPER SHALL USE EITHER TILE OR PORCELAIN PANELS,
OR ANY OTHER APPROVED METHOD THAT WILL PROVIDE
DESIGN INTENT. ALL DECORATIVE PATTERNS ON TUNNEL WALLS
SHALL BE PRE FABRICATED FOR INSTALLATION.



2
**ELEVATION
TUNNEL PATTERN - ENLARGEMENT**
SCALE: 1/16"=1'-0"

NOTE:
REF. 7.09 FOR DETAILED
COLOR CONCEPT

NOTE:
DEVELOPER SHALL USE EITHER TILE OR PORCELAIN PANELS,
OR ANY OTHER APPROVED METHOD THAT WILL PROVIDE
DESIGN INTENT. ALL DECORATIVE PATTERNS ON TUNNEL WALLS
SHALL BE PRE FABRICATED FOR INSTALLATION.



1
**ELEVATION
TUNNEL PATTERN - ENLARGEMENT**
SCALE: 1/16"=1'-0"

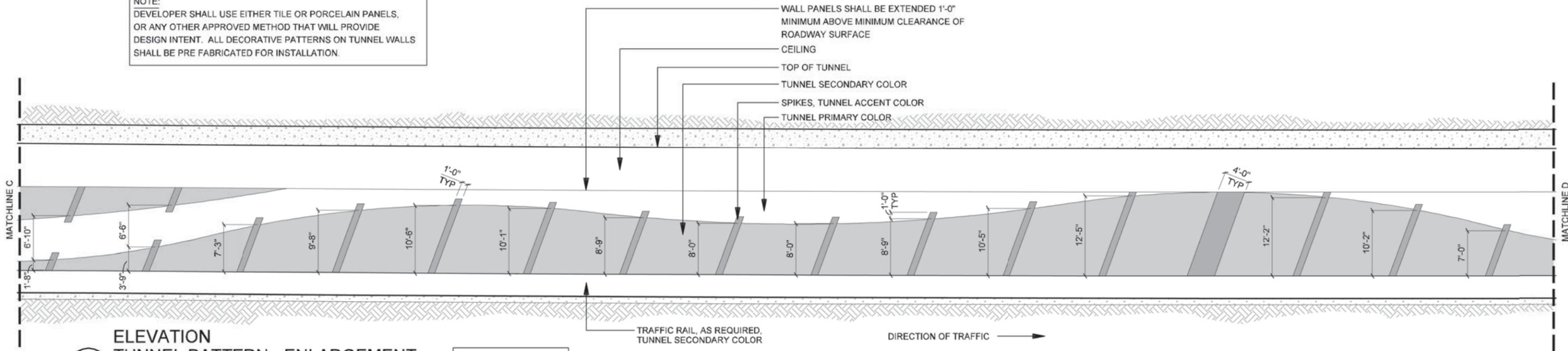
NOTE:
REF. 7.09 FOR DETAILED
COLOR CONCEPT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.01
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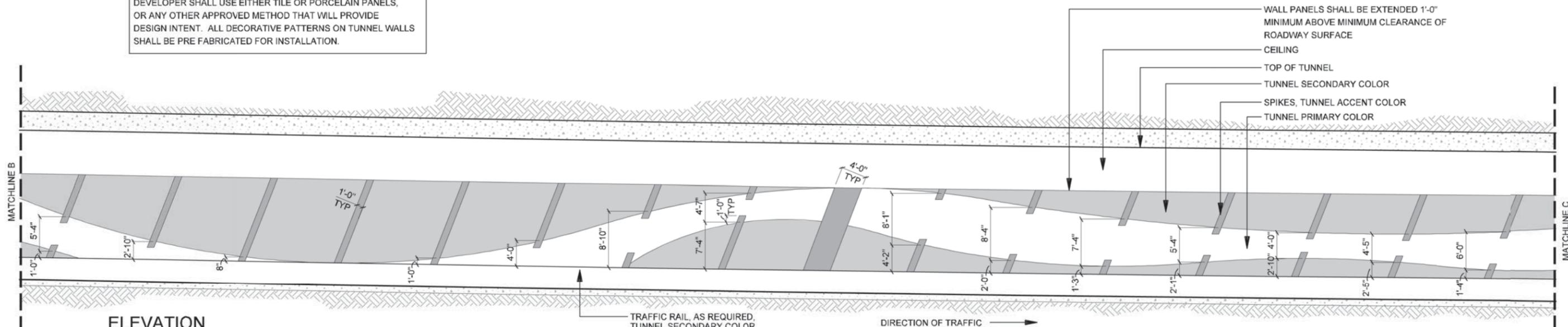
NOTE:
DEVELOPER SHALL USE EITHER TILE OR PORCELAIN PANELS,
OR ANY OTHER APPROVED METHOD THAT WILL PROVIDE
DESIGN INTENT. ALL DECORATIVE PATTERNS ON TUNNEL WALLS
SHALL BE PRE FABRICATED FOR INSTALLATION.



2
ELEVATION
TUNNEL PATTERN - ENLARGEMENT
SCALE: 1/16"=1'-0"

NOTE:
REF. 7.09 FOR DETAILED
COLOR CONCEPT

NOTE:
DEVELOPER SHALL USE EITHER TILE OR PORCELAIN PANELS,
OR ANY OTHER APPROVED METHOD THAT WILL PROVIDE
DESIGN INTENT. ALL DECORATIVE PATTERNS ON TUNNEL WALLS
SHALL BE PRE FABRICATED FOR INSTALLATION.

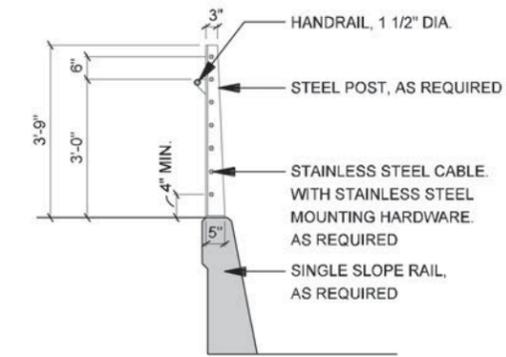


1
ELEVATION
TUNNEL PATTERN - ENLARGEMENT
SCALE: 1/16"=1'-0"

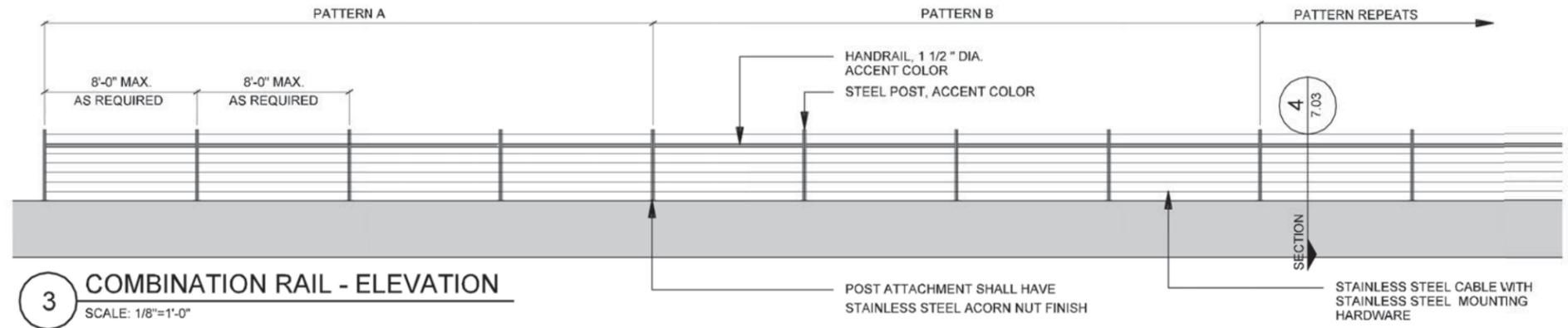
NOTE:
REF. 7.09 FOR DETAILED
COLOR CONCEPT

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

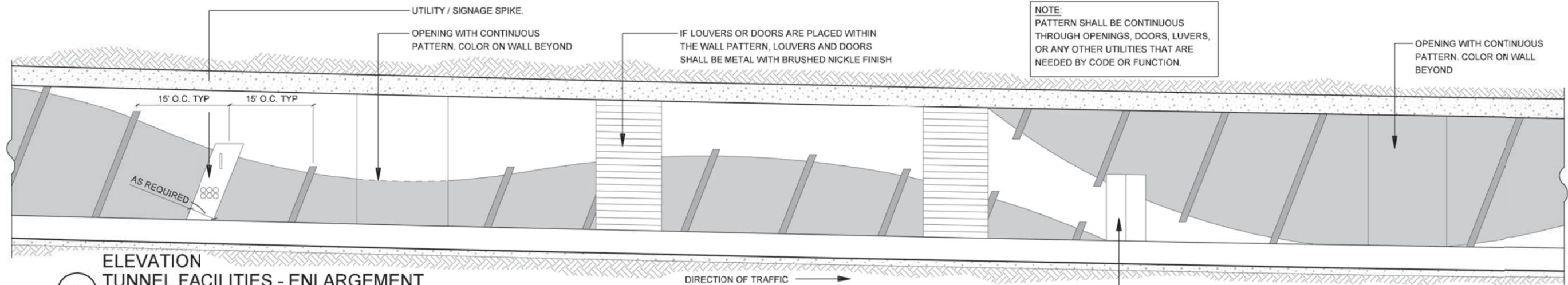
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.02
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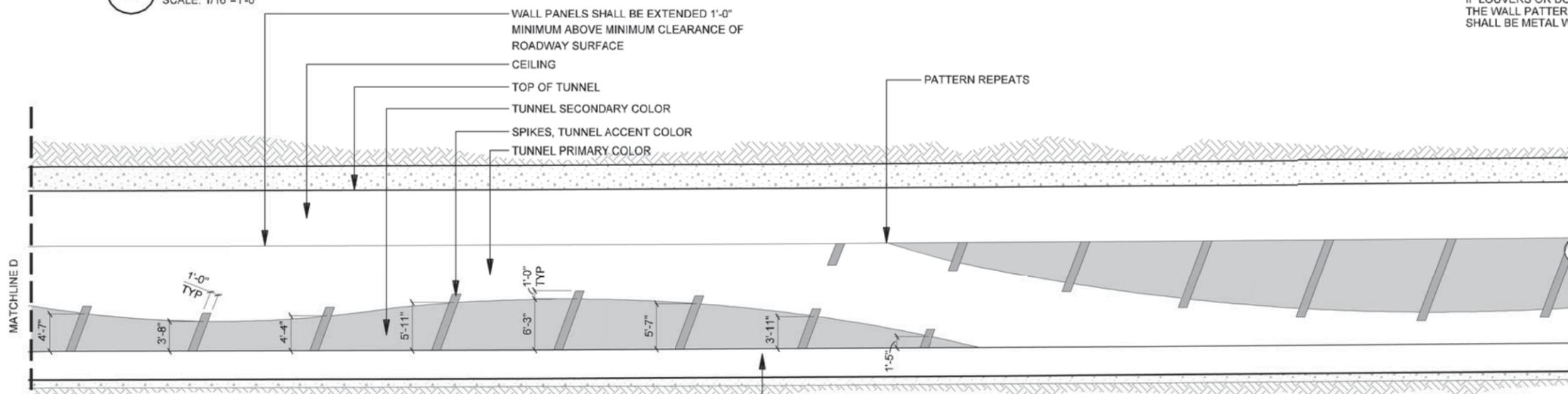
4 COMBINATION RAIL - SECTION
SCALE: 1/4"=1'-0"



3 COMBINATION RAIL - ELEVATION
SCALE: 1/8"=1'-0"



2 ELEVATION TUNNEL FACILITIES - ENLARGEMENT
SCALE: 1/16"=1'-0"



1 ELEVATION TUNNEL PATTERN - ENLARGEMENT
SCALE: 1/16"=1'-0"

NOTE:
REF. 7.09 FOR DETAILED
COLOR CONCEPT



IH635 MANAGED
LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

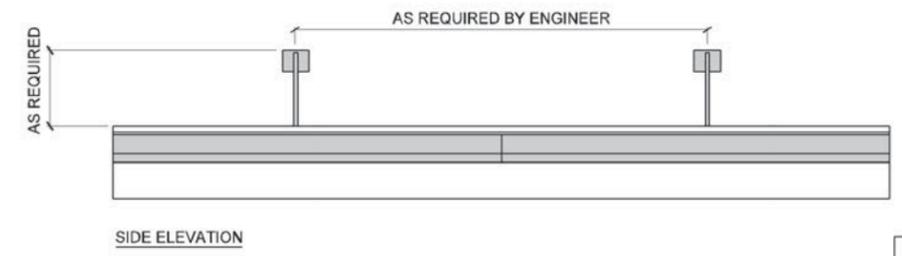
DATE:
09/12/2007

SCALE:
AS NOTED

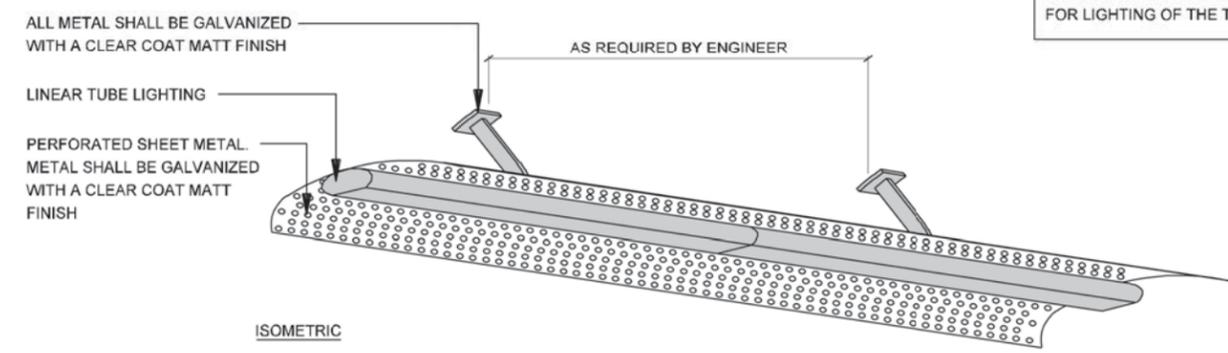
SHEET CONTENTS:
TUNNEL AESTHETICS

ATTACHMENT:
15-1A

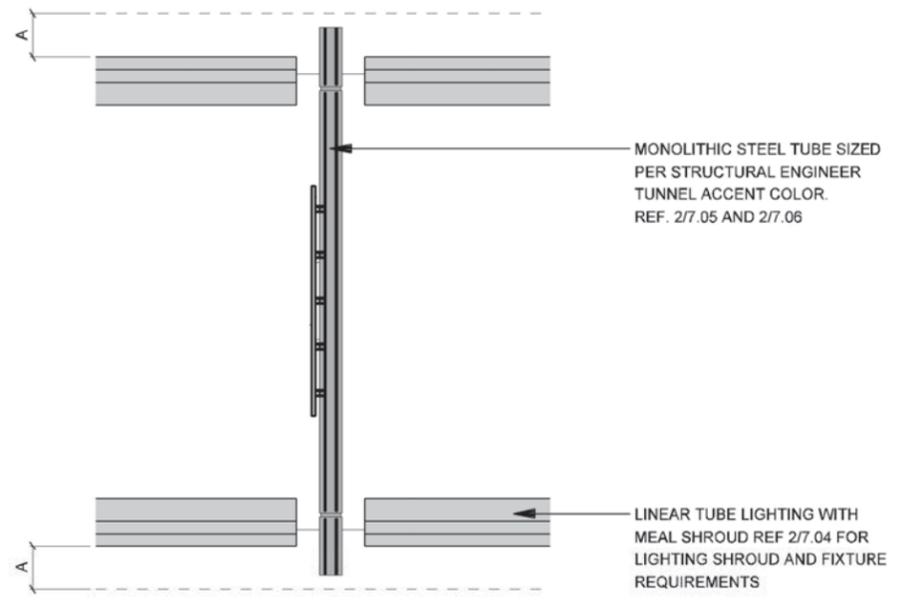
SHEET NUMBER:
7.03



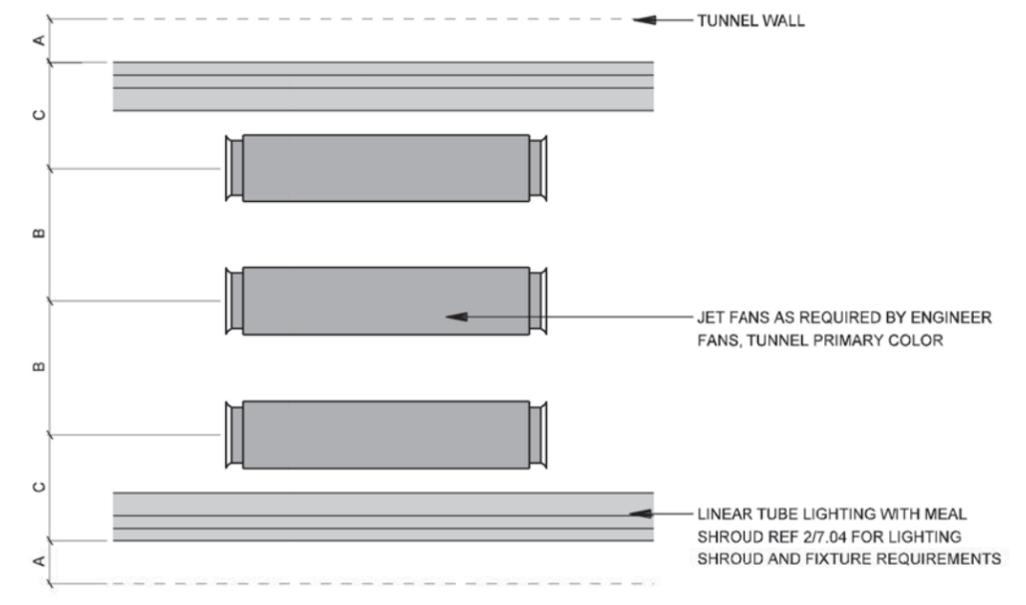
NOTE:
DEVELOPER SHALL USE LINEAR TUBE LIGHTING
FOR LIGHTING OF THE TUNNELS.



2 TUNNEL LIGHTING
SCALE: 1/4"=1'-0"



3 PLAN SIGNAGE - REFLECTED CEILING
SCALE: 1/16"=1'-0"



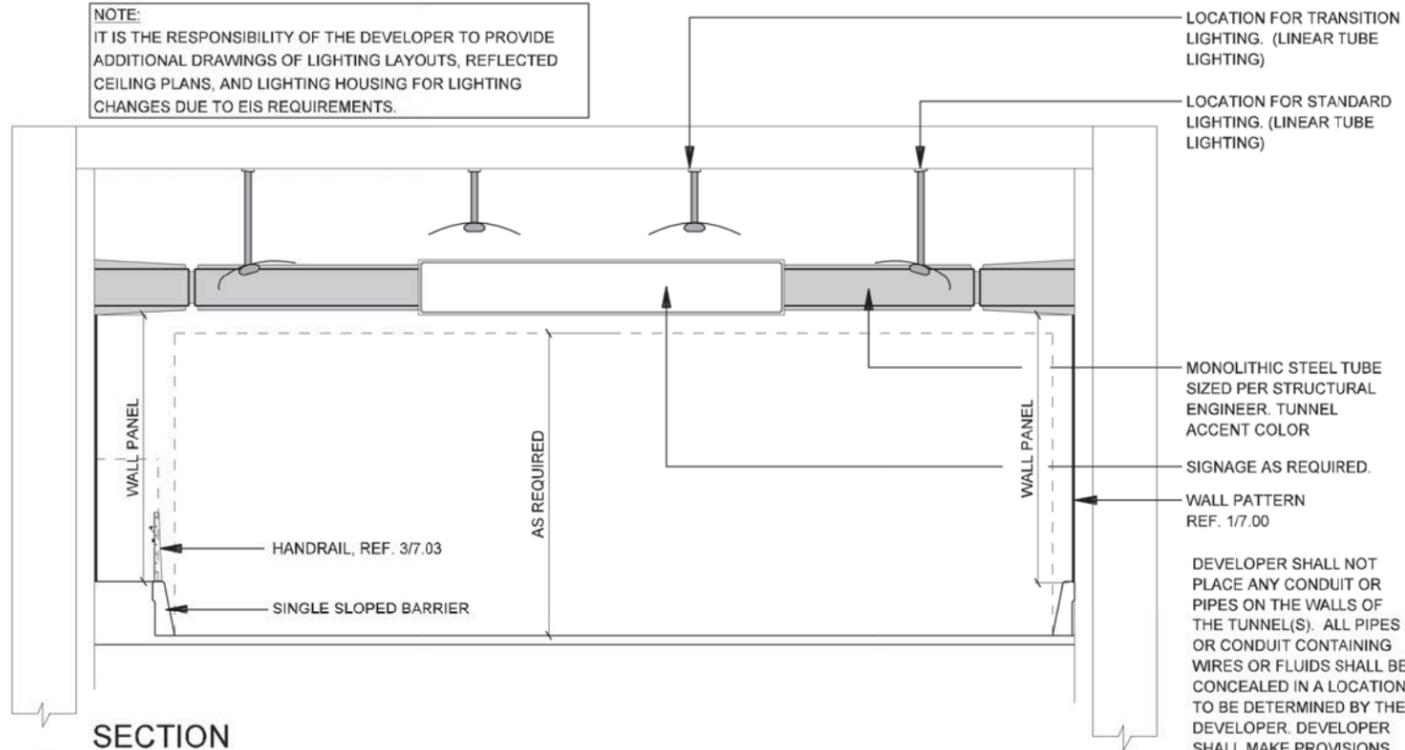
1 PLAN JET FANS - REFLECTED CEILING
SCALE: 1/16"=1'-0"



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

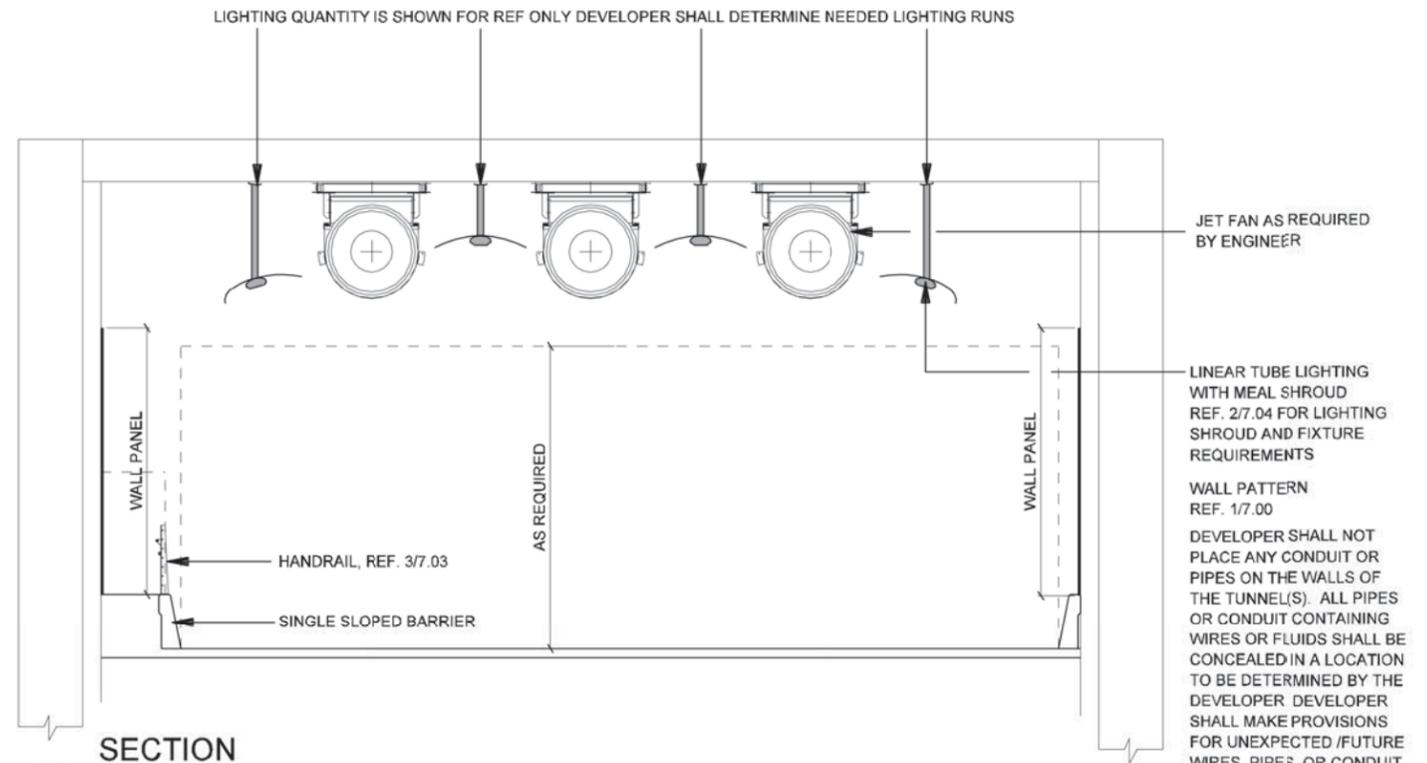
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.04
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NOTE:
IT IS THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE ADDITIONAL DRAWINGS OF LIGHTING LAYOUTS, REFLECTED CEILING PLANS, AND LIGHTING HOUSING FOR LIGHTING CHANGES DUE TO EIS REQUIREMENTS.



2 SECTION LIGHTING / SIGNAGE - CUT AND COVER TUNNEL
SCALE: 1"=10'-0"

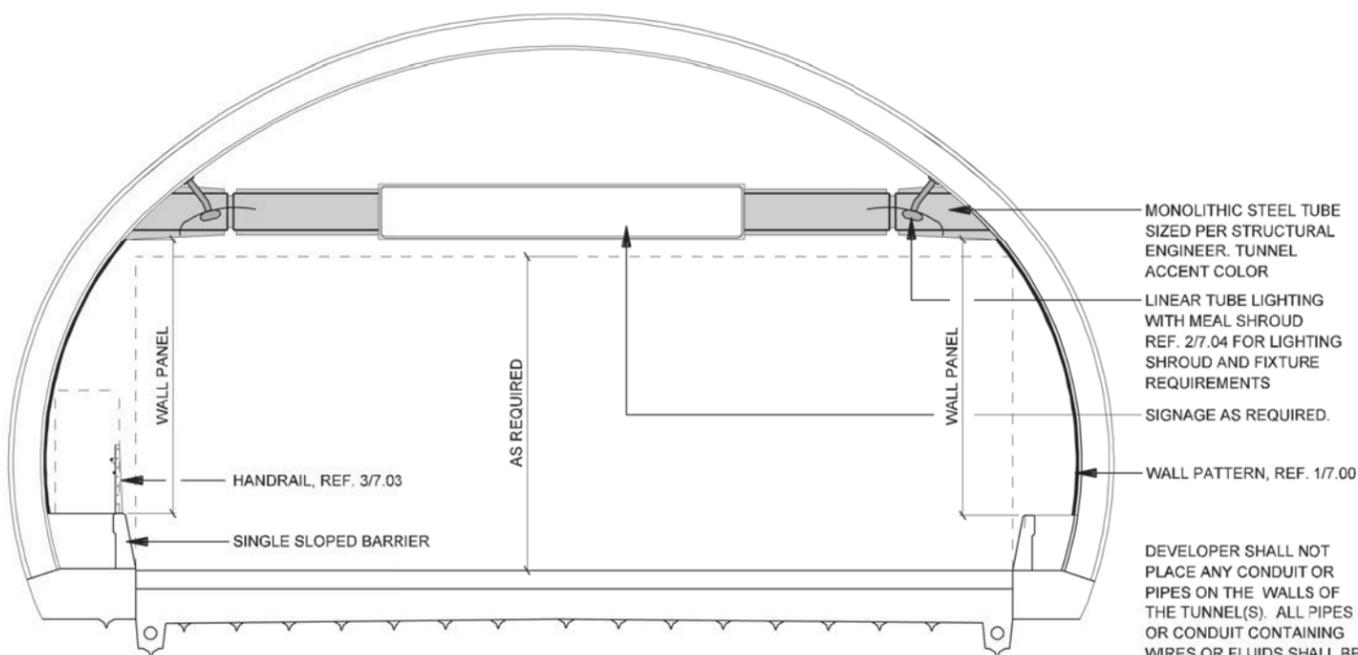
LIGHTING QUANTITY IS SHOWN FOR REF ONLY DEVELOPER SHALL DETERMINE NEEDED LIGHTING RUNS



1 SECTION LIGHTING / JET FANS - CUT AND COVER TUNNEL
SCALE: 1"=10'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.05
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2 SECTION LIGHTING / SIGNAGE - MINED TUNNEL
SCALE: 1"=10'-0"

MONOLITHIC STEEL TUBE SIZED PER STRUCTURAL ENGINEER. TUNNEL ACCENT COLOR

LINEAR TUBE LIGHTING WITH MEAL SHROUD REF. 2/7.04 FOR LIGHTING SHROUD AND FIXTURE REQUIREMENTS

SIGNAGE AS REQUIRED.

WALL PATTERN, REF. 1/7.00

HANDRAIL, REF. 3/7.03

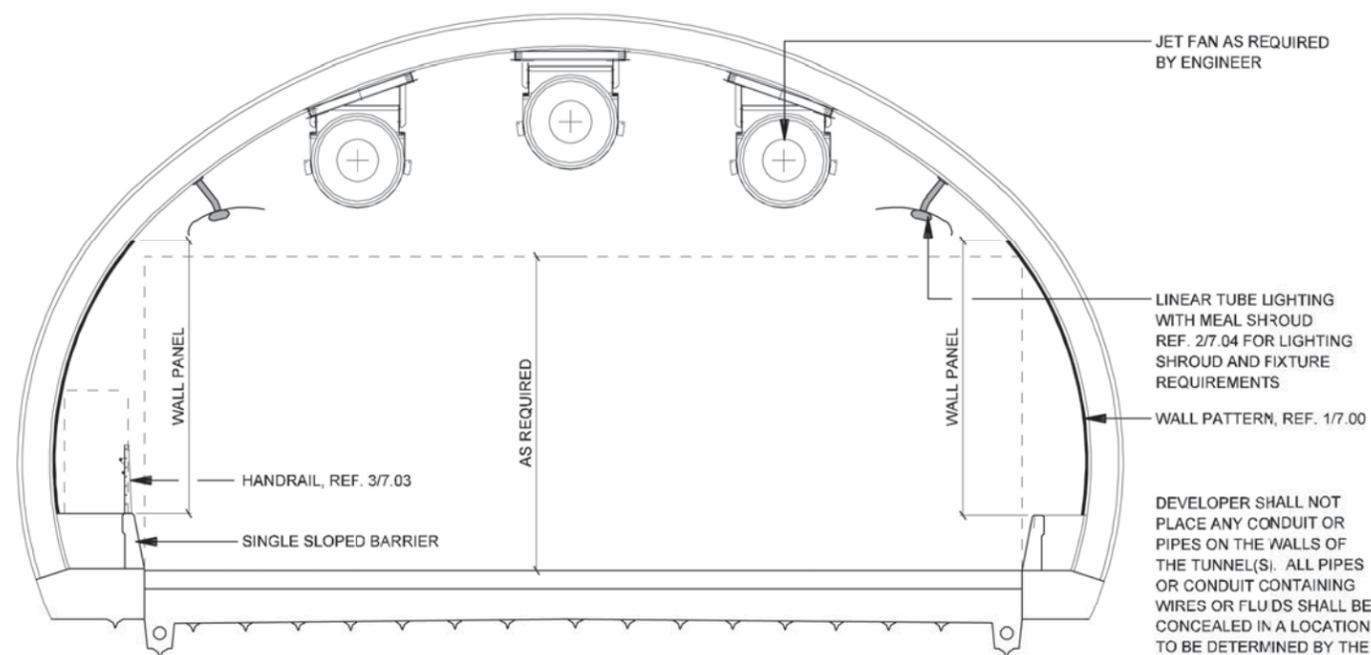
SINGLE SLOPED BARRIER

AS REQUIRED

WALL PANEL

WALL PANEL

DEVELOPER SHALL NOT PLACE ANY CONDUIT OR PIPES ON THE WALLS OF THE TUNNEL(S). ALL PIPES OR CONDUIT CONTAINING WIRES OR FLUIDS SHALL BE CONCEALED IN A LOCATION TO BE DETERMINED BY THE DEVELOPER. DEVELOPER SHALL MAKE PROVISIONS FOR UNEXPECTED /FUTURE WIRES, PIPES, OR CONDUIT.



1 SECTION LIGHTING / JET FANS - MINED TUNNEL
SCALE: 1"=10'-0"

JET FAN AS REQUIRED BY ENGINEER

LINEAR TUBE LIGHTING WITH MEAL SHROUD REF. 2/7.04 FOR LIGHTING SHROUD AND FIXTURE REQUIREMENTS

WALL PATTERN, REF. 1/7.00

HANDRAIL, REF. 3/7.03

SINGLE SLOPED BARRIER

AS REQUIRED

WALL PANEL

WALL PANEL

DEVELOPER SHALL NOT PLACE ANY CONDUIT OR PIPES ON THE WALLS OF THE TUNNEL(S). ALL PIPES OR CONDUIT CONTAINING WIRES OR FLUIDS SHALL BE CONCEALED IN A LOCATION TO BE DETERMINED BY THE DEVELOPER. DEVELOPER SHALL MAKE PROVISIONS FOR UNEXPECTED /FUTURE WIRES, PIPES, OR CONDUIT.

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:
09/12/2007

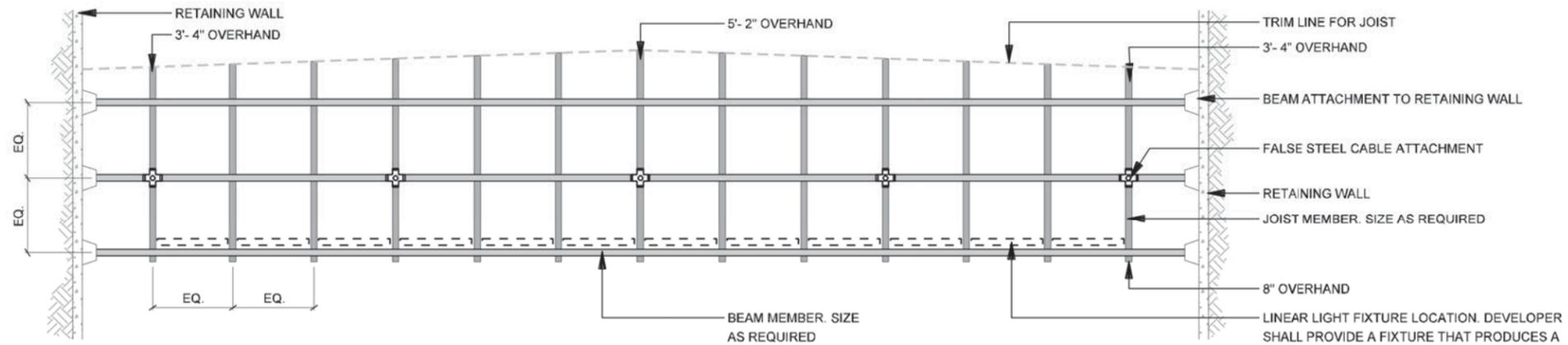
SCALE:
AS NOTED

SHEET CONTENTS:
TUNNEL AESTHETICS

ATTACHMENT:
15-1A

SHEET NUMBER:

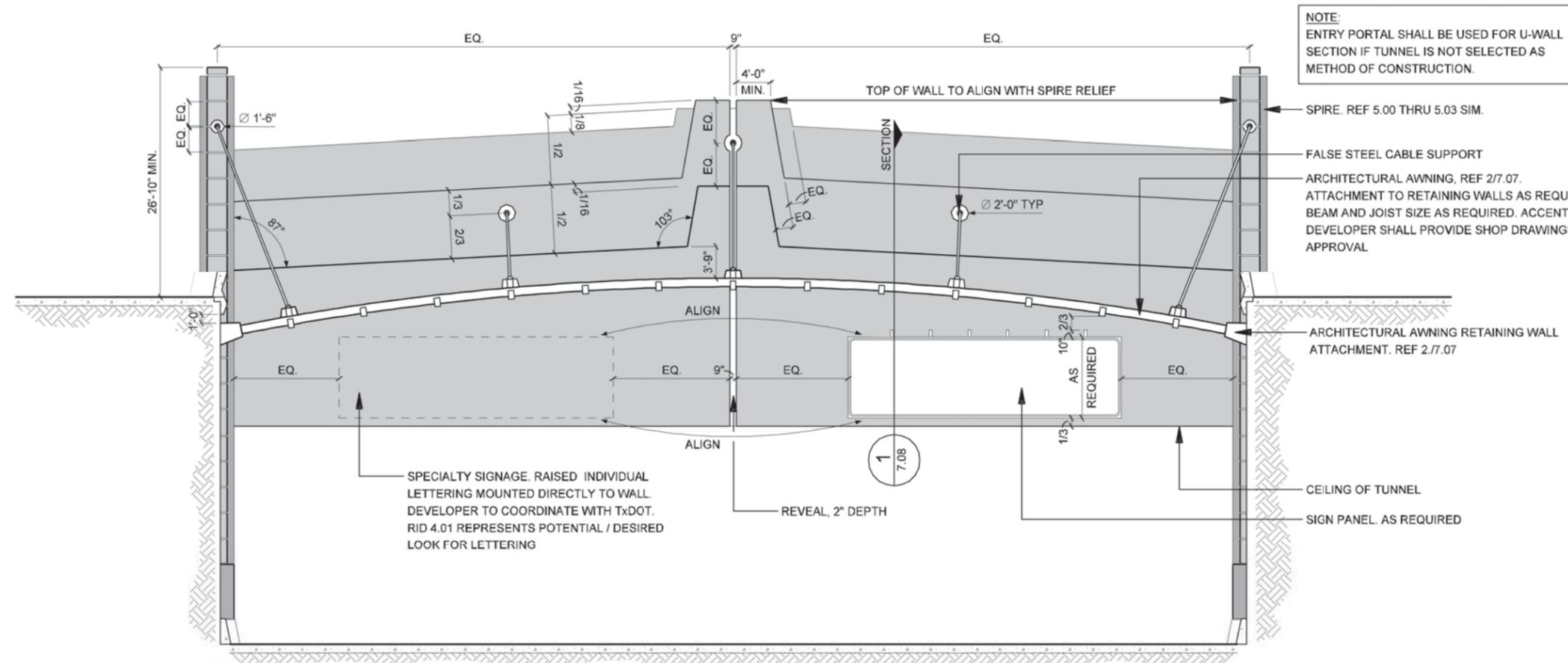
7.06



2 PLAN
ARCHITECTURAL AWNING
SCALE: 1/16"=1'-0"

NOTE
ARCHITECTURAL AWNING. ATTACHMENT TO RETAINING WALLS AS REQUIRED. BEAM AND JOIST SIZE AS REQUIRED. ACCENT COLOR. DEVELOPER SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL.

TRIM LINE FOR JOIST
3'-4" OVERHAND
BEAM ATTACHMENT TO RETAINING WALL
FALSE STEEL CABLE ATTACHMENT
RETAINING WALL
JOIST MEMBER. SIZE AS REQUIRED
8" OVERHAND
LINEAR LIGHT FIXTURE LOCATION. DEVELOPER SHALL PROVIDE A FIXTURE THAT PRODUCES A UNIFORM LIGHT SOURCE FOR PORTAL FACADE. DEVELOPER SHALL AVOID CREATING "HOT SPOTS" OF LIGHTING. ALL LIGHTING SHALL BE WHITE LIGHT.



1 ELEVATION
PORTAL - FRONT VIEW - TYP. EAST AND WEST ENTRANCE
SCALE: 1/16"=1'-0"

NOTE:
ENTRY PORTAL SHALL BE USED FOR U-WALL SECTION IF TUNNEL IS NOT SELECTED AS METHOD OF CONSTRUCTION.

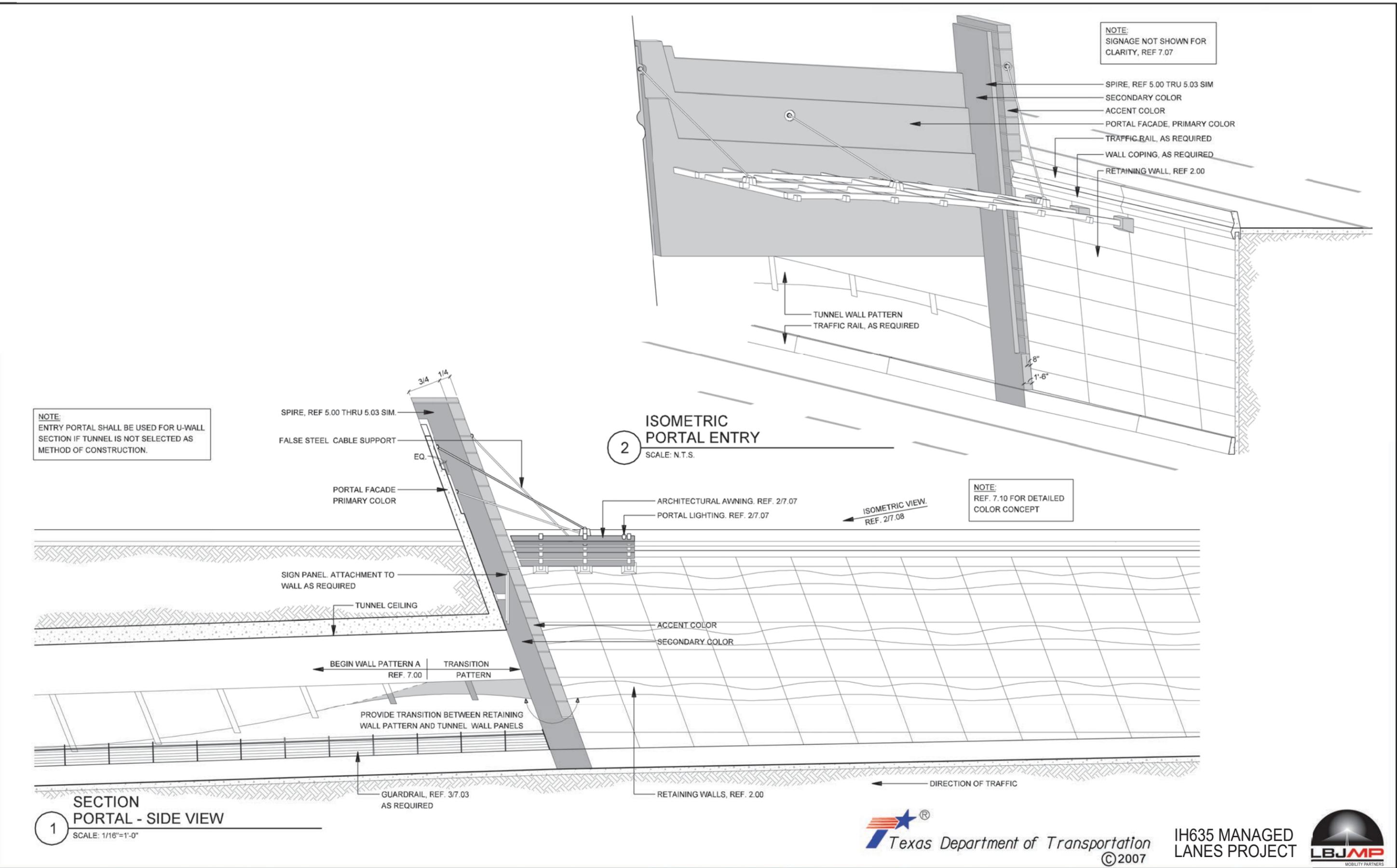
NOTE:
ENTRY PORTAL SHALL BE USED FOR U-WALL SECTION IF TUNNEL IS NOT SELECTED AS METHOD OF CONSTRUCTION.
SPIRE. REF 5.00 THRU 5.03 SIM.
FALSE STEEL CABLE SUPPORT
ARCHITECTURAL AWNING, REF 2/7.07.
ATTACHMENT TO RETAINING WALLS AS REQUIRED. BEAM AND JOIST SIZE AS REQUIRED. ACCENT COLOR. DEVELOPER SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL

SPECIALTY SIGNAGE. RAISED INDIVIDUAL LETTERING MOUNTED DIRECTLY TO WALL. DEVELOPER TO COORDINATE WITH TxDOT. RID 4.01 REPRESENTS POTENTIAL / DESIRED LOOK FOR LETTERING



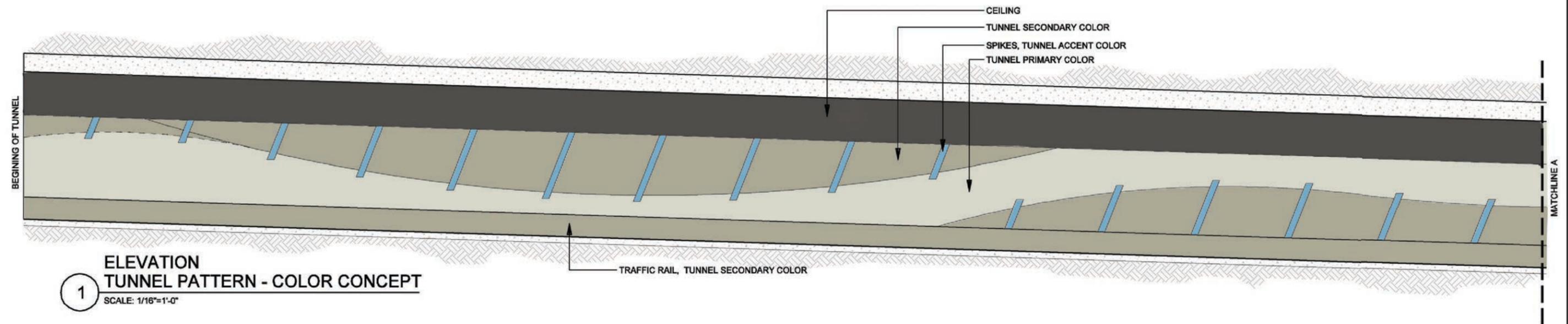
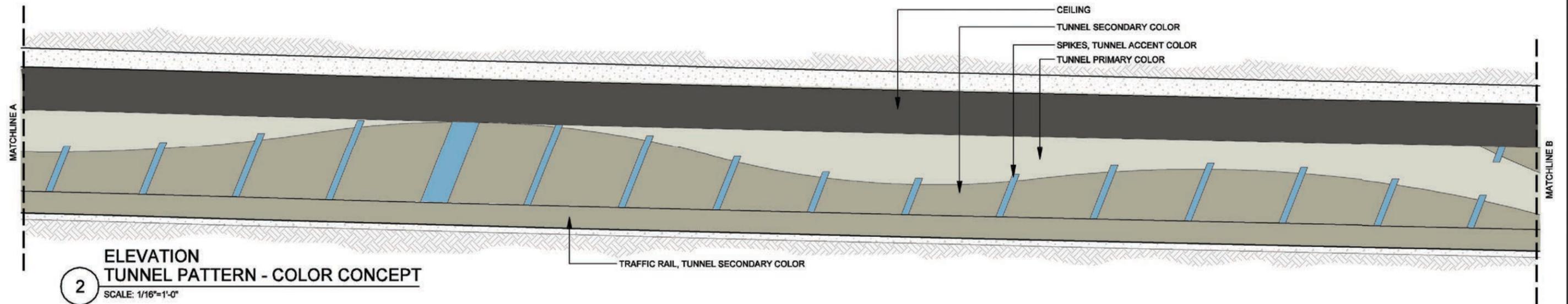
NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.07
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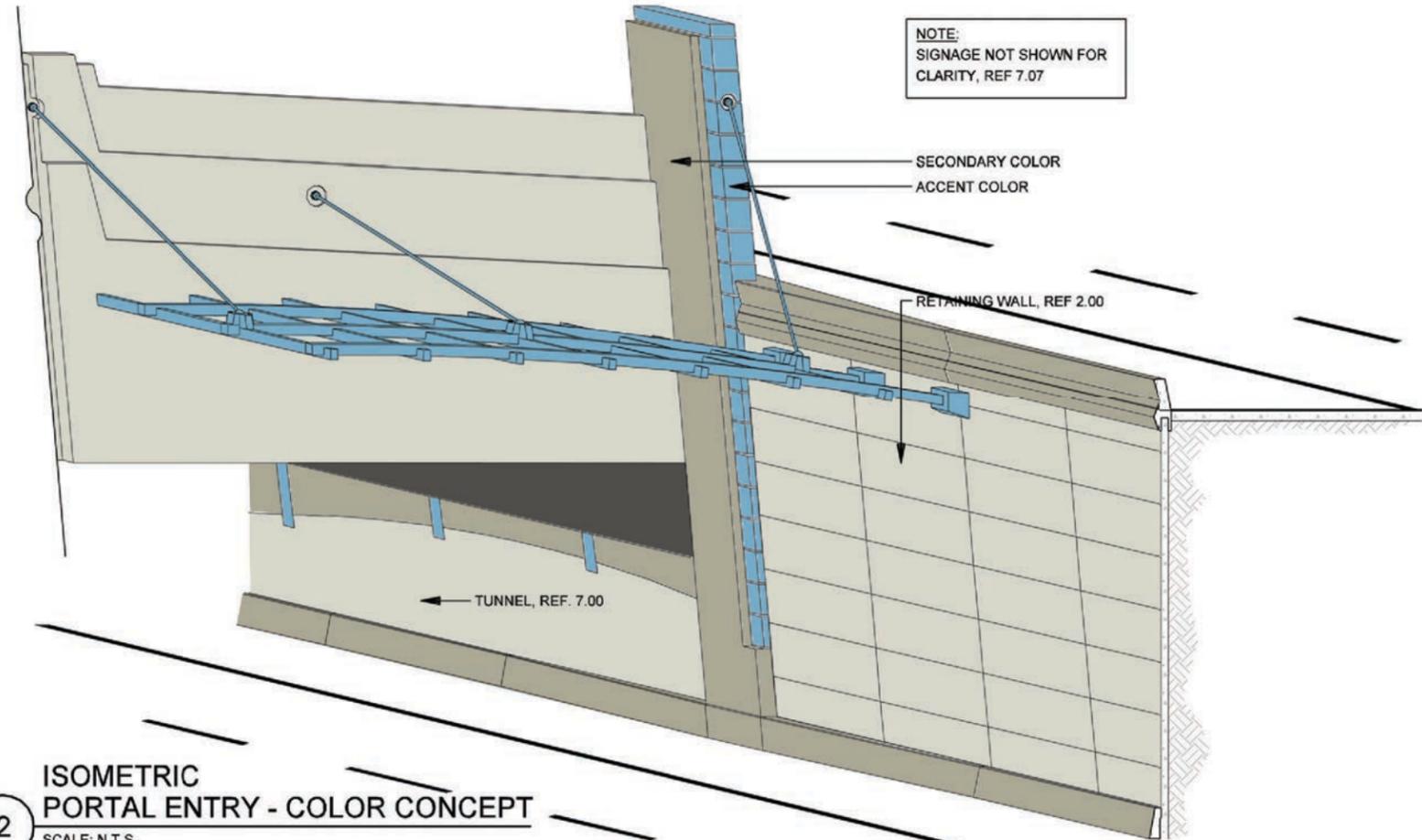


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

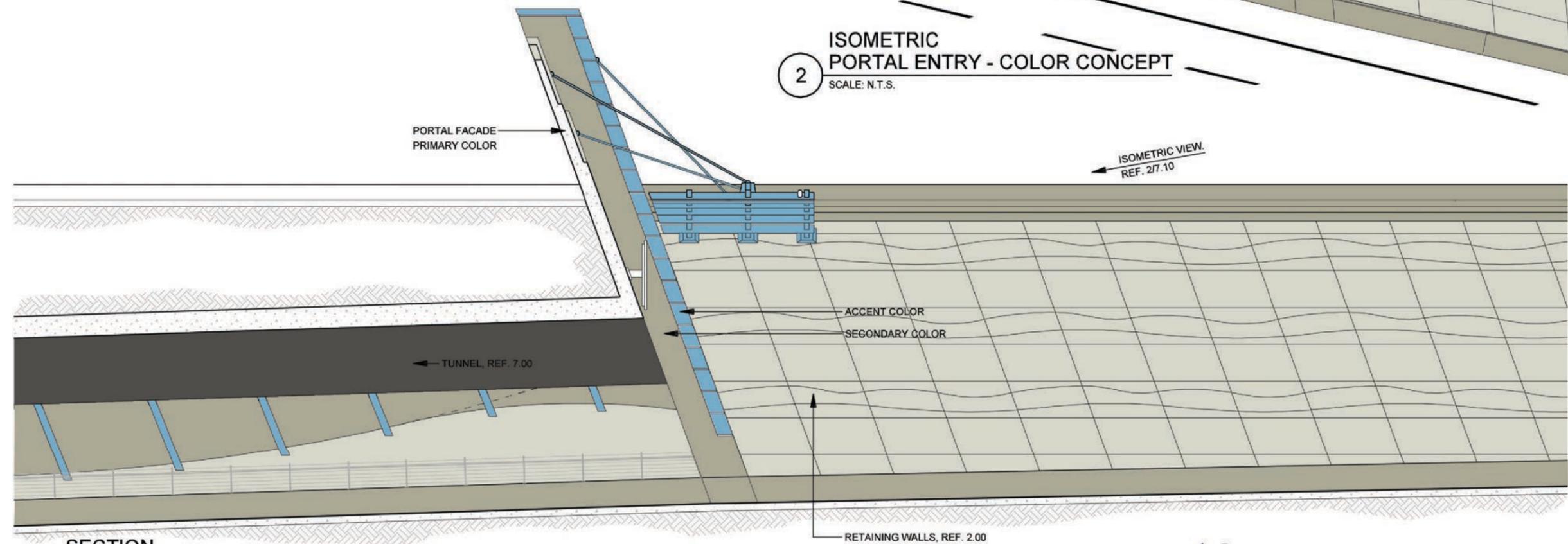
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.08
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DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.09
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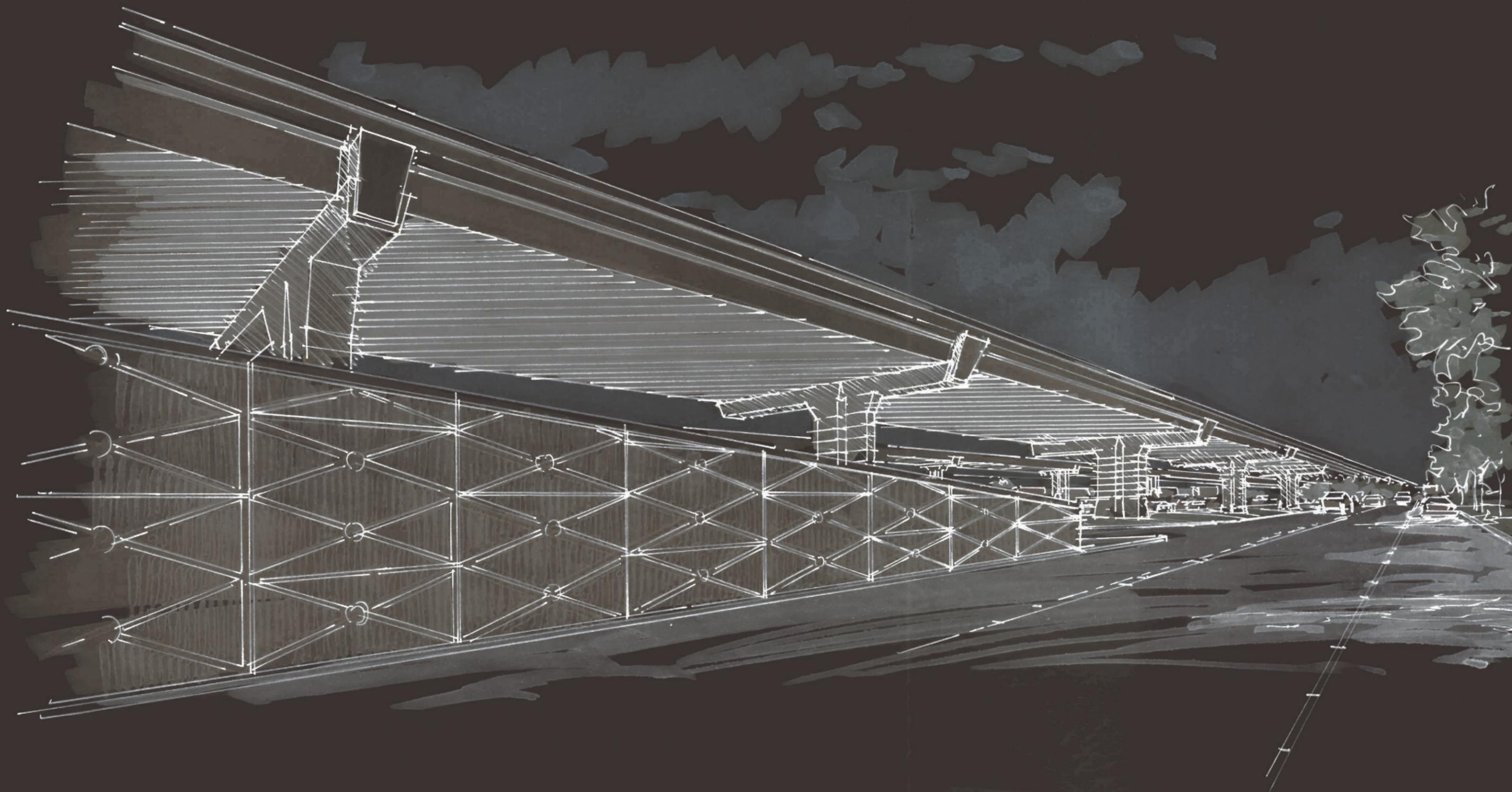
2
ISOMETRIC
PORTAL ENTRY - COLOR CONCEPT
SCALE: N.T.S.



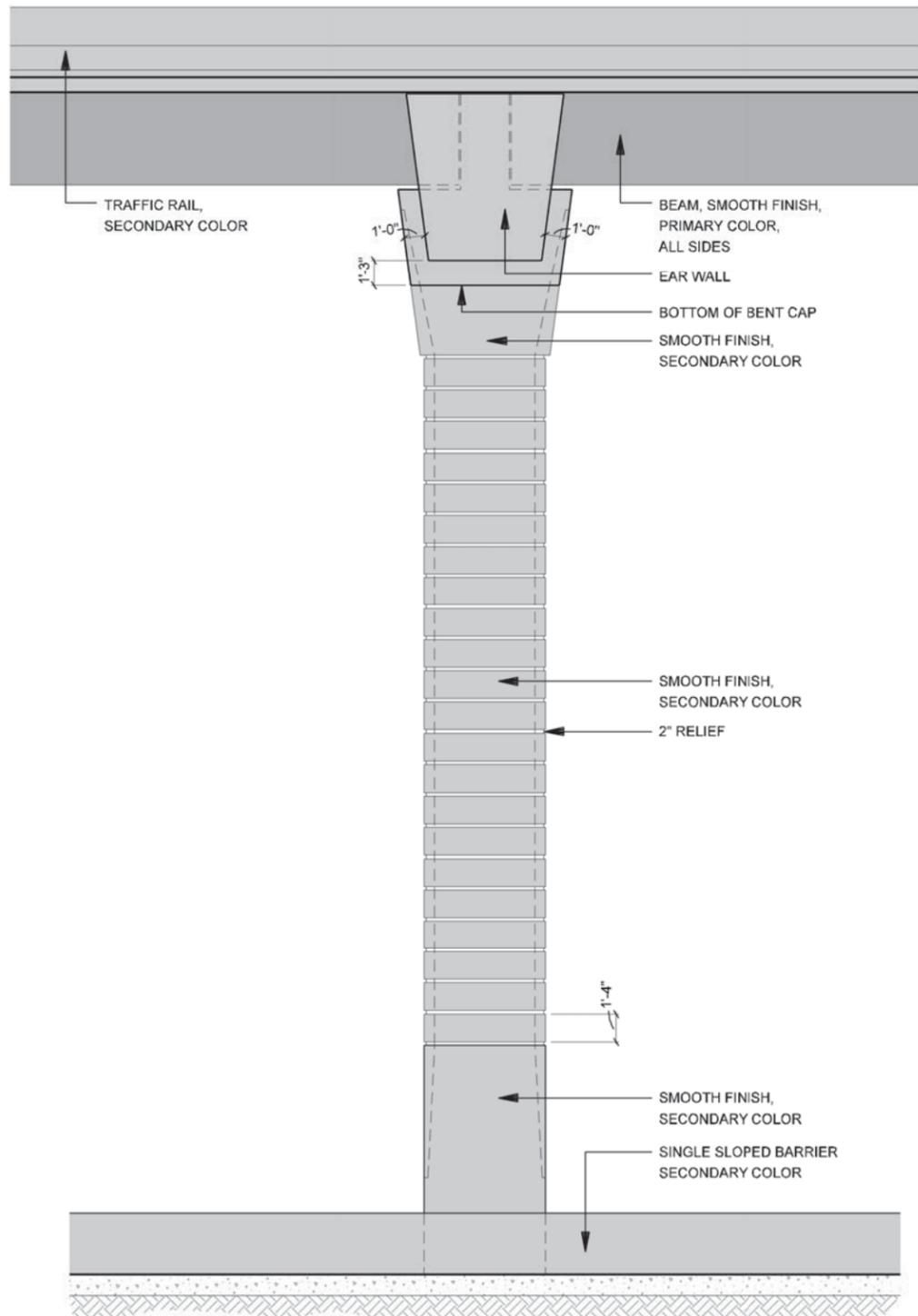
1
SECTION
PORTAL - COLOR CONCEPT
SCALE: 1/16"=1'-0"



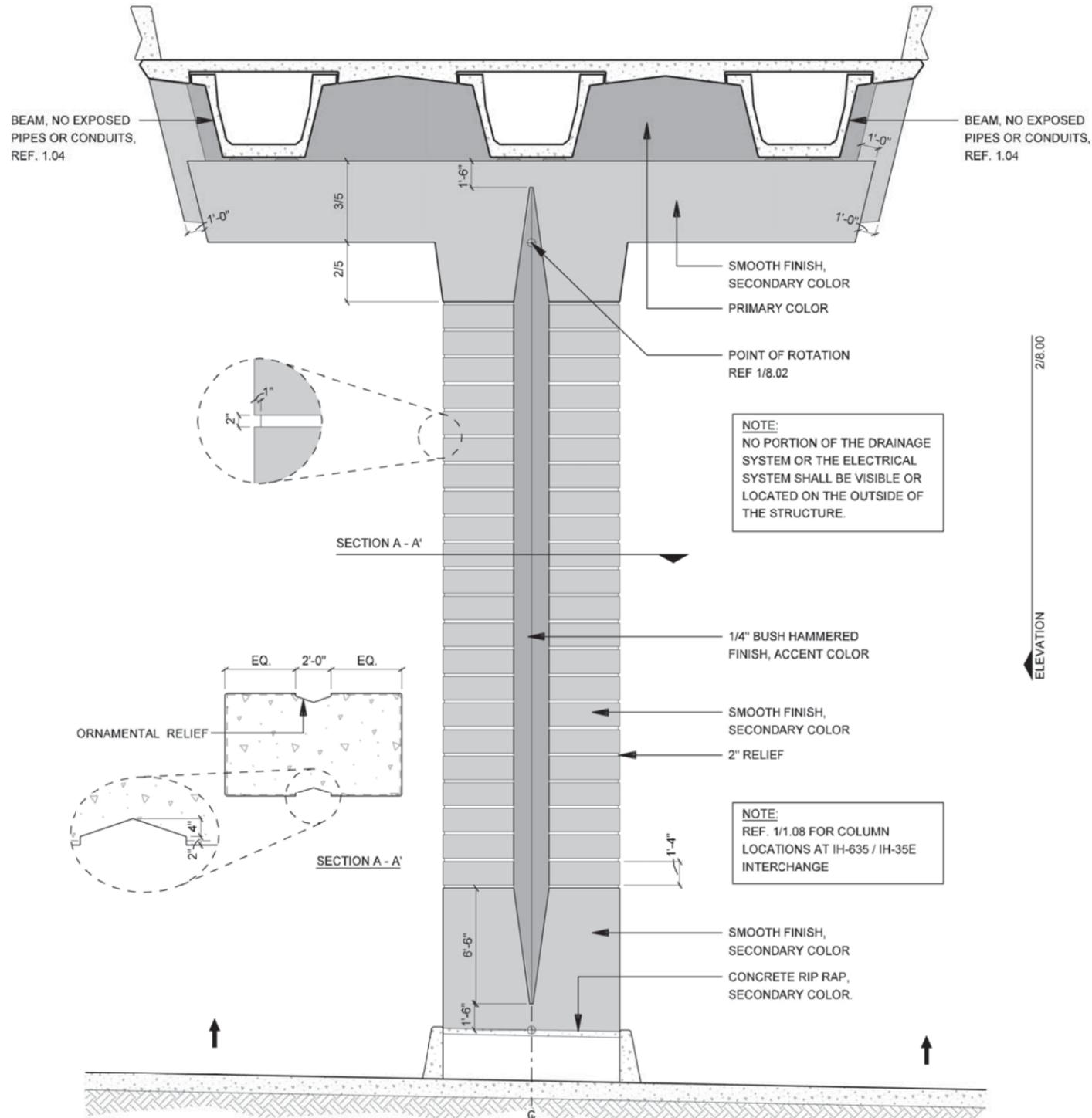
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: TUNNEL AESTHETICS	ATTACHMENT: 15-1A	SHEET NUMBER: 7.10
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IH-35 CORRIDOR



2 ELEVATION
IH-35E ELEVATED MAINLANES COLUMN - SIDE VIEW
SCALE: 1/8"=1'-0"

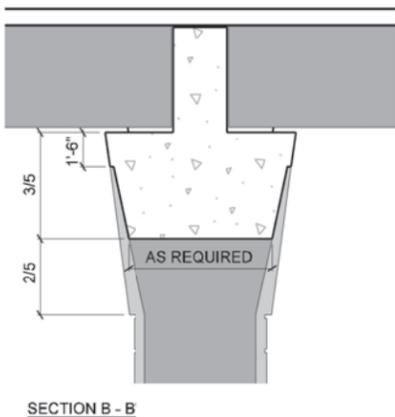


1 ELEVATION
IH-35E ELEVATED MAINLANES COLUMN - FRONT VIEW
SCALE: 1/8"=1'-0"

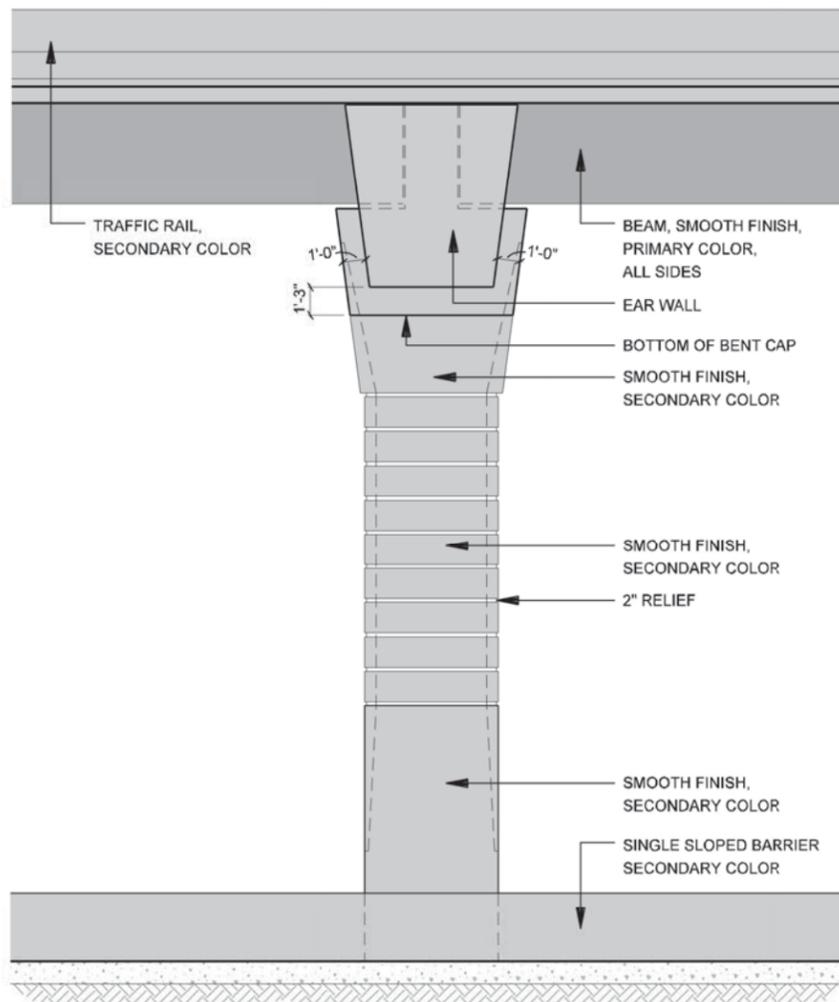
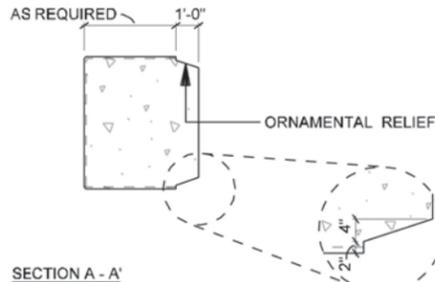
NOTE:
REF. 8.07 FOR DETAILED
COLOR CONCEPT

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

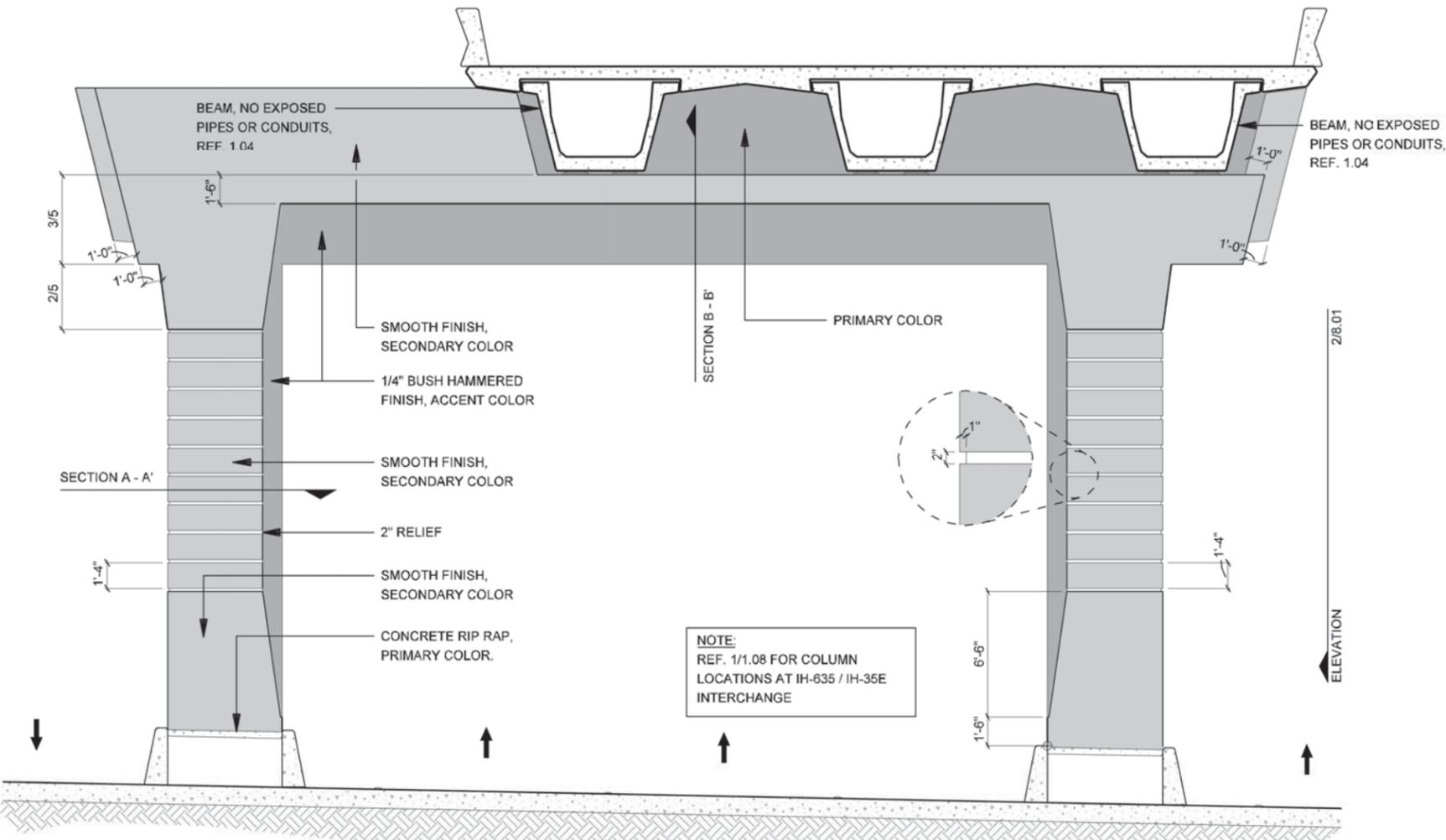
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-35E COLUMNS	ATTACHMENT: 15-1A	SHEET NUMBER: 8.00
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NOTE:
NO PORTION OF THE DRAINAGE SYSTEM OR THE ELECTRICAL SYSTEM SHALL BE VISIBLE OR LOCATED ON THE OUTSIDE OF THE STRUCTURE.



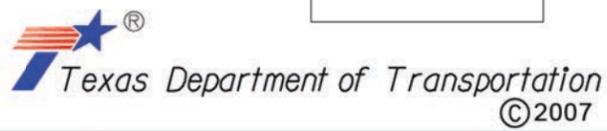
2 ELEVATION
IH-35E ELEVATED MAINLANES COLUMN - SIDE VIEW
SCALE: 1/8"=1'-0"



1 ELEVATION
IH-35E ELEVATED MAINLANES COLUMN - FRONT VIEW
SCALE: 1/8"=1'-0"

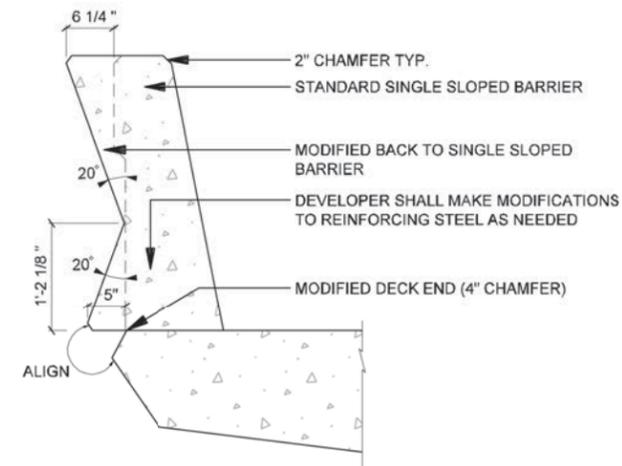
NOTE:
REF. 1/1.08 FOR COLUMN LOCATIONS AT IH-635 / IH-35E INTERCHANGE

NOTE:
REF. 8.07 FOR DETAILED COLOR CONCEPT. SIM

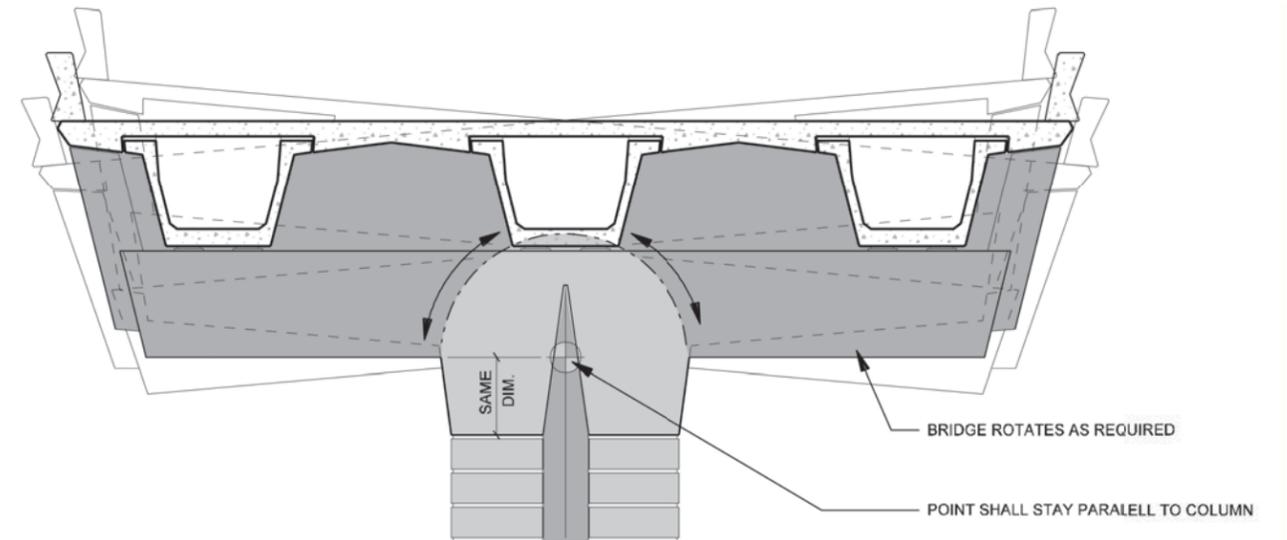


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-35E COLUMNS	ATTACHMENT: 15-1A	SHEET NUMBER: 8.01
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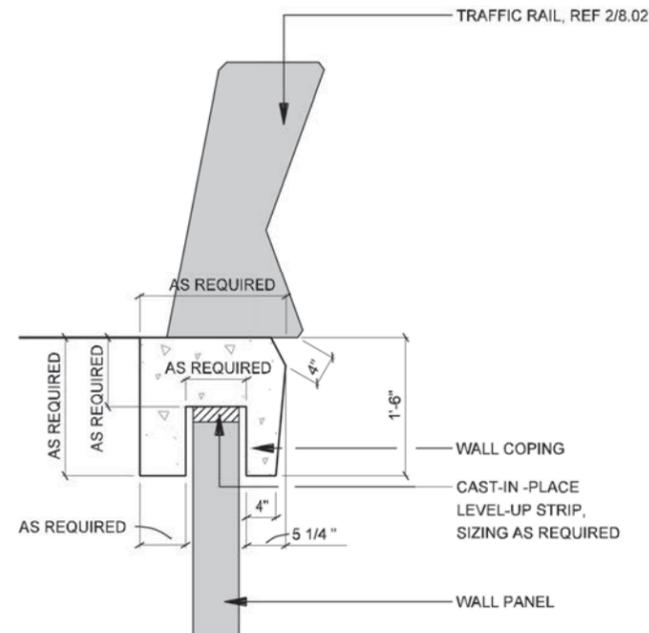
SECTION 2
MODIFIED SINGLE SLOPED BARRIER
 SCALE: 1/2"=1'-0"



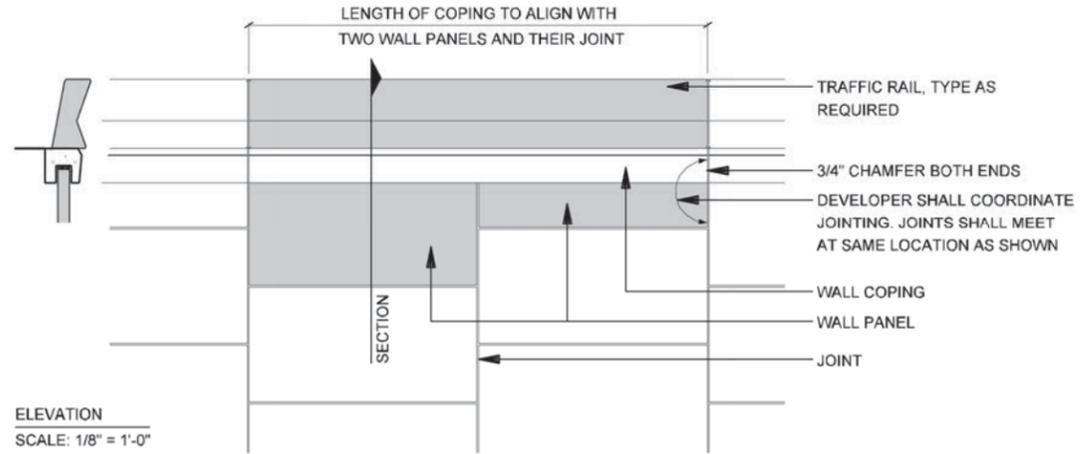
ELEVATION 1
COLUMN - ROTATION DIAGRAM
 SCALE: 1/8"=1'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

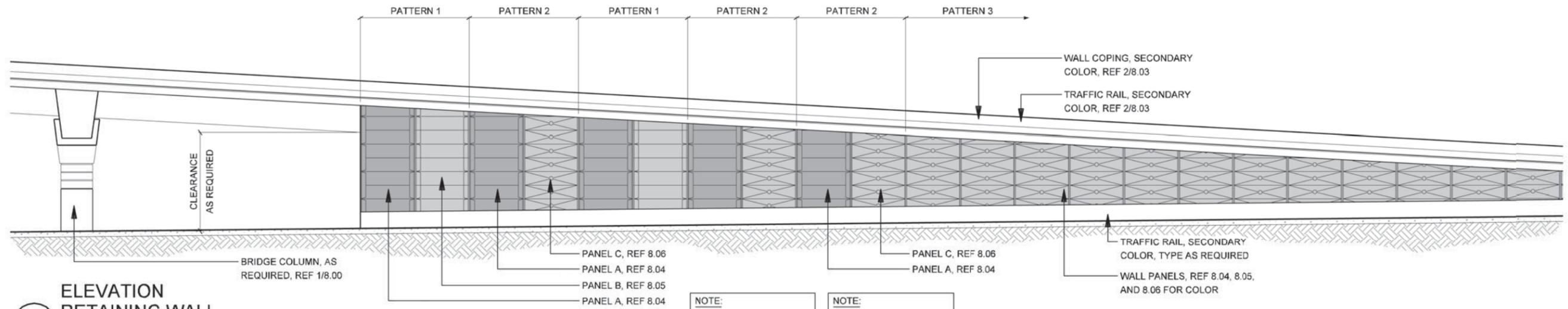
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-35E COLUMNS	ATTACHMENT: 15-1A	SHEET NUMBER: 8.02
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2 SECTION WALL COPING, TYP.
SCALE: 1/2"=1'-0"



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



1 ELEVATION RETAINING WALL
SCALE: 1"=20'-0"

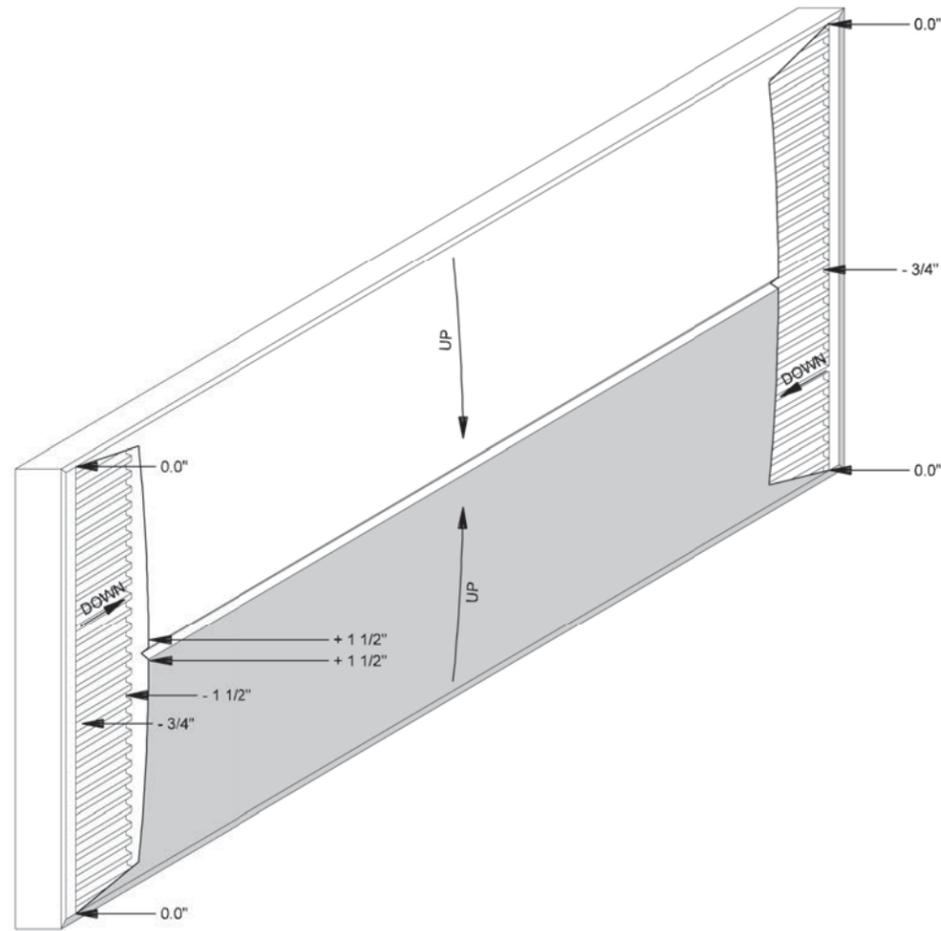
NOTE:
STANDARD MSE WALL
CONFIGURATION

NOTE:
REF. 8.08 FOR DETAILED
COLOR CONCEPT

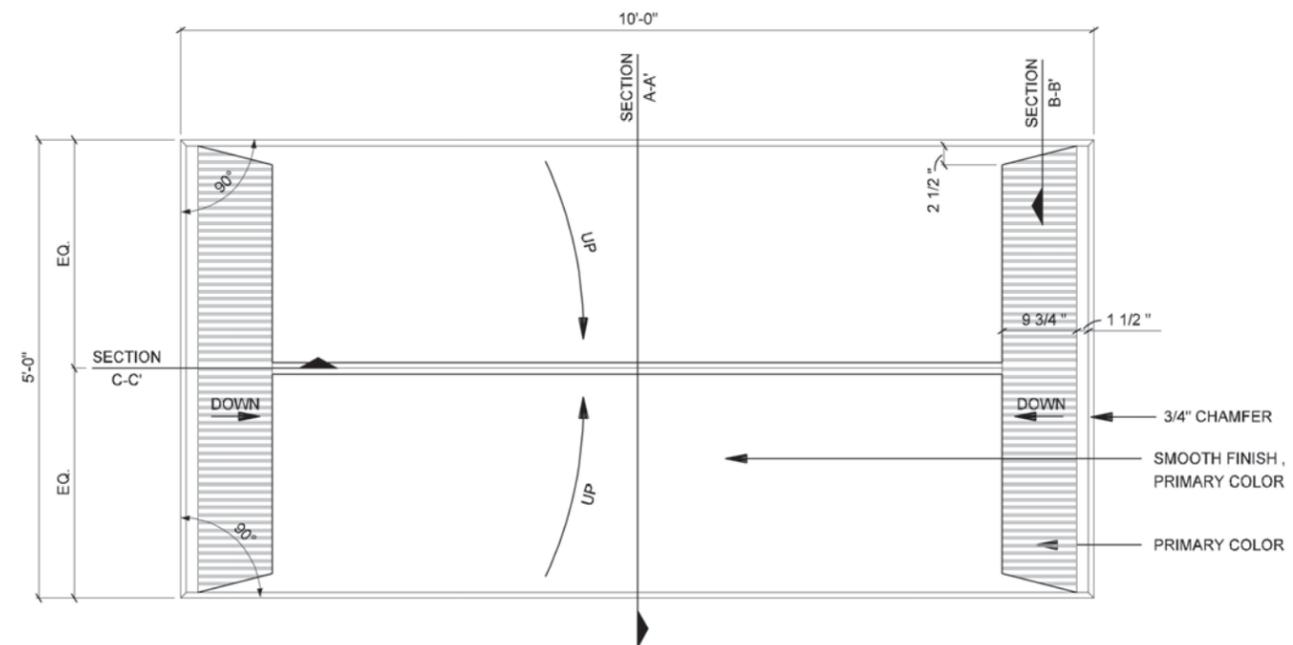
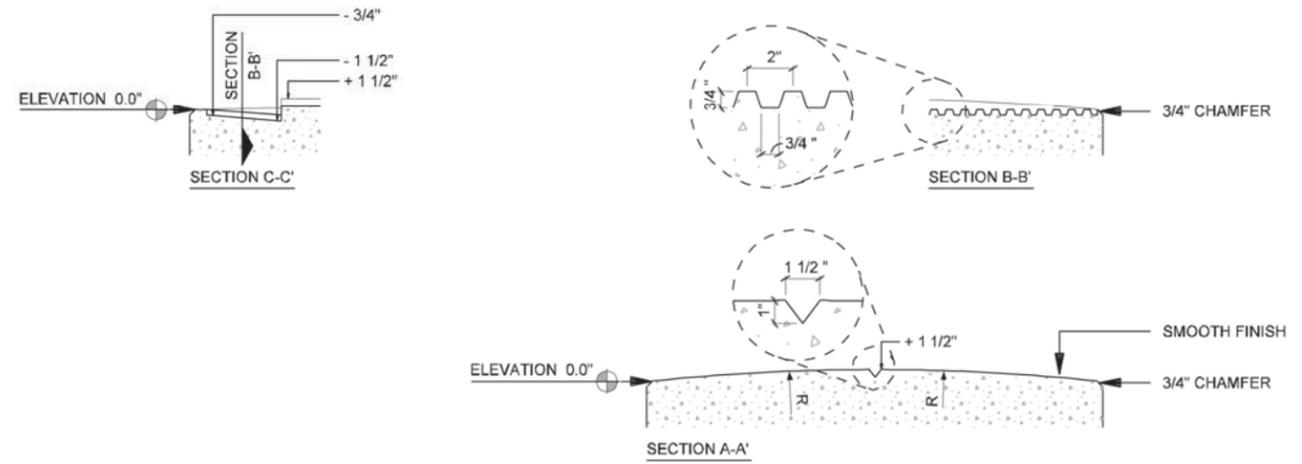


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-35E RETAINING WALLS	ATTACHMENT: 15-1A	SHEET NUMBER: 8.03
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ISOMETRIC VIEW



SECTION WALL PANEL A
SCALE: 1/2"=1'-0"

NOTES:

- PANELS ARE BASED ON A STANDARD STAGGERED MSE 5 x 10 PANEL (50 SF). CONTRACTOR TO PROVIDE DETAILED DRAWINGS WITH SAME DESIGN AND DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS USED



IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:

09/12/2007

SCALE:

AS NOTED

SHEET CONTENTS:

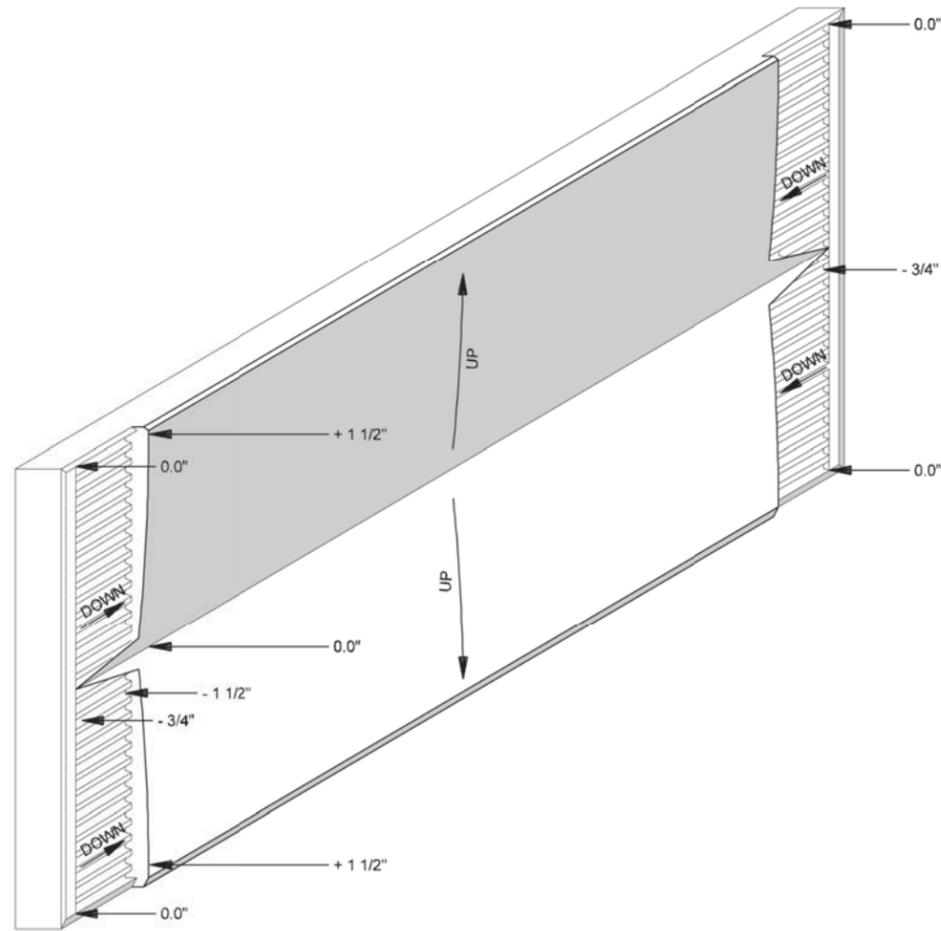
IH-35E RETAINING WALLS

ATTACHMENT:

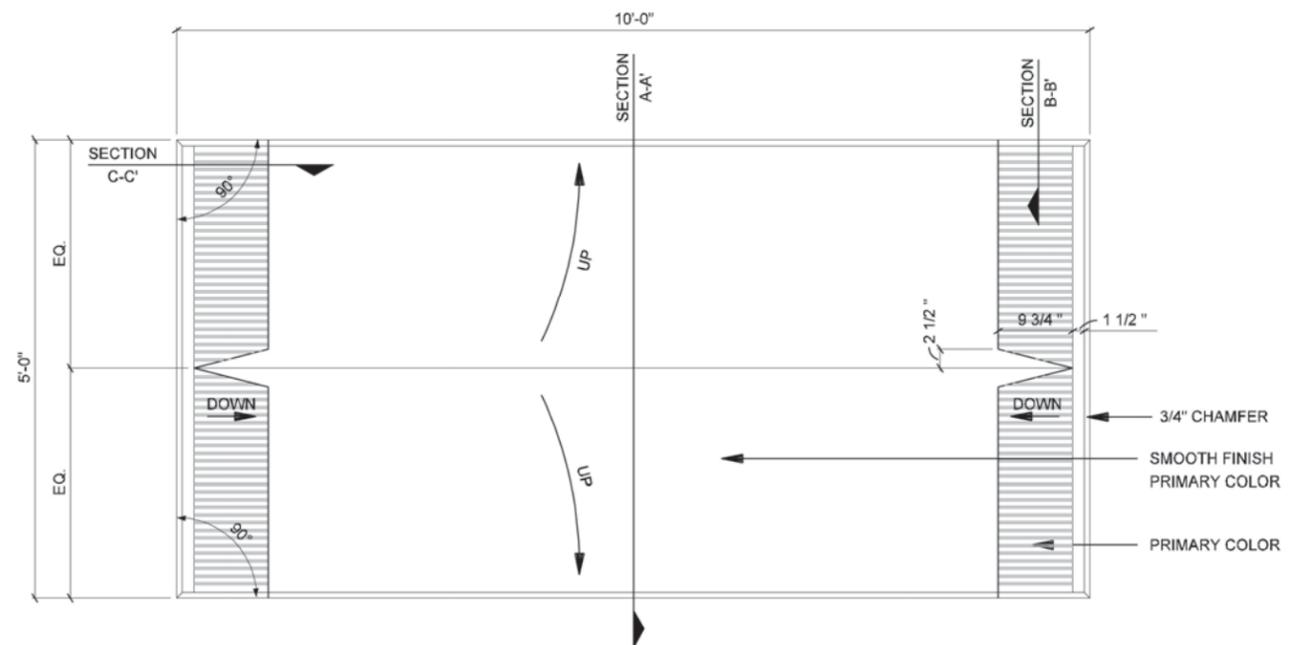
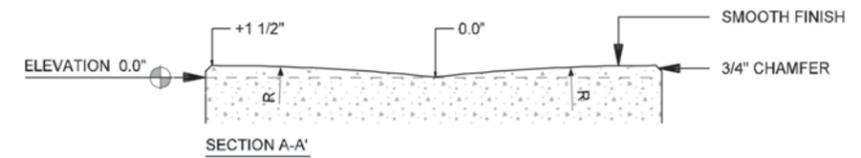
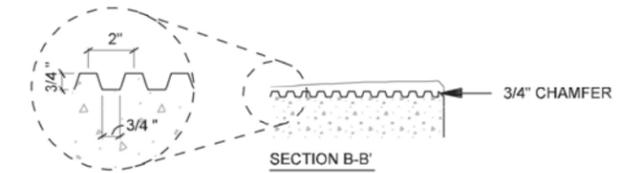
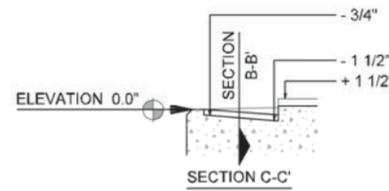
15-1A

SHEET NUMBER:

8.04



ISOMETRIC VIEW



SECTION WALL PANEL B
SCALE: 1/2"=1'-0"

NOTES:

- PANELS ARE BASED ON A STANDARD STAGGERED MSE 5 x 10 PANEL (50 SF). CONTRACTOR TO PROVIDE DETAILED DRAWINGS WITH SAME DESIGN AND DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS USED



IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:

09/12/2007

SCALE:

AS NOTED

SHEET CONTENTS:

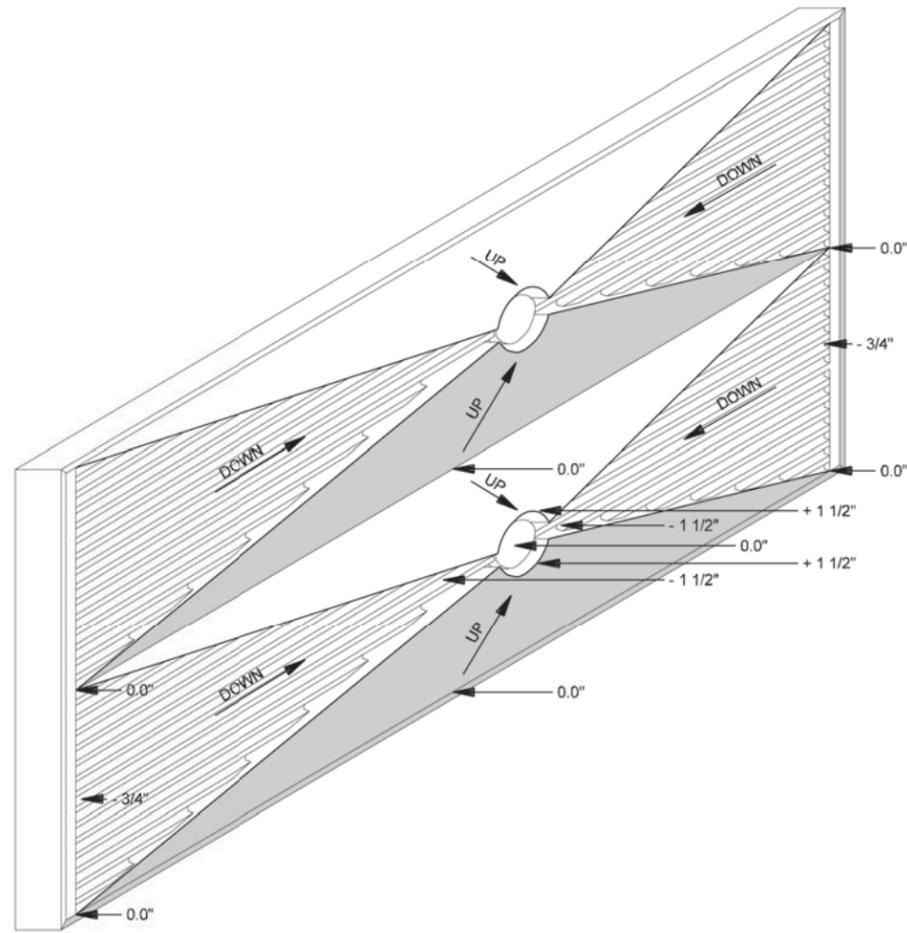
IH-35E RETAINING WALLS

ATTACHMENT:

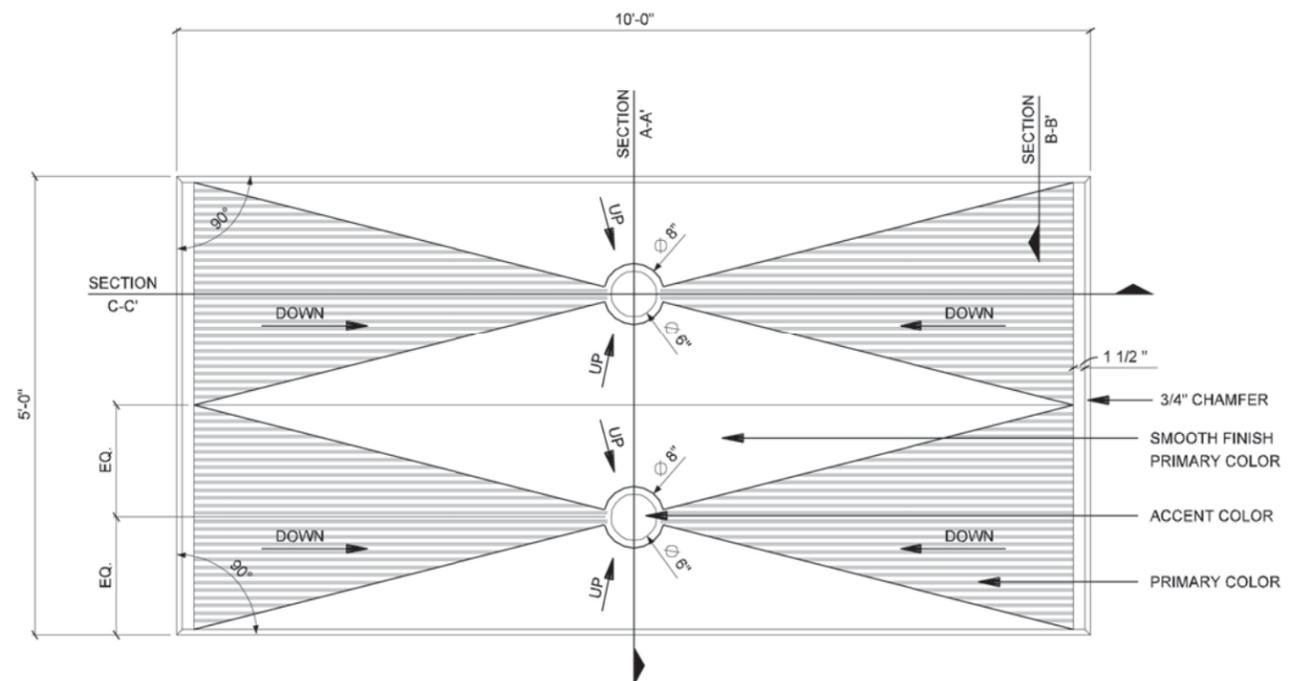
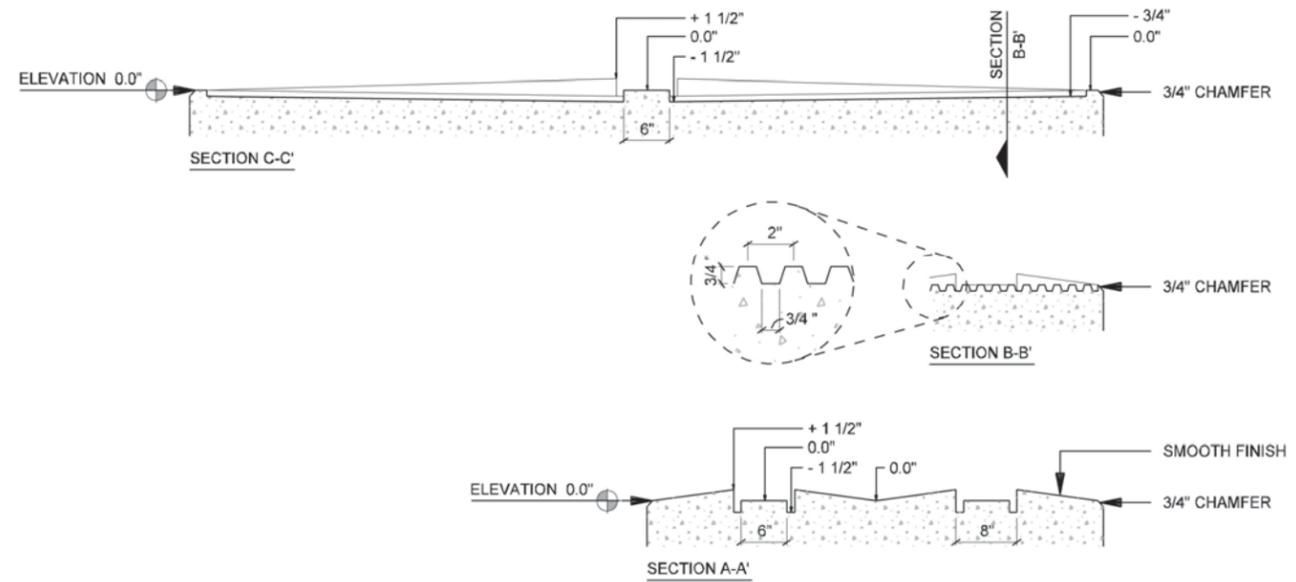
15-1A

SHEET NUMBER:

8.05



ISOMETRIC VIEW



SECTION WALL PANEL C
SCALE: 1/2"=1'-0"

NOTES:

- PANELS ARE BASED ON A STANDARD STAGGERED MSE 5 x 10 PANEL (50 SF). CONTRACTOR TO PROVIDE DETAILED DRAWINGS WITH SAME DESIGN AND DESIGN INTENT IF ANOTHER METHOD OF CONSTRUCTION IS USED



IH635 MANAGED LANES PROJECT



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:

09/12/2007

SCALE:

AS NOTED

SHEET CONTENTS:

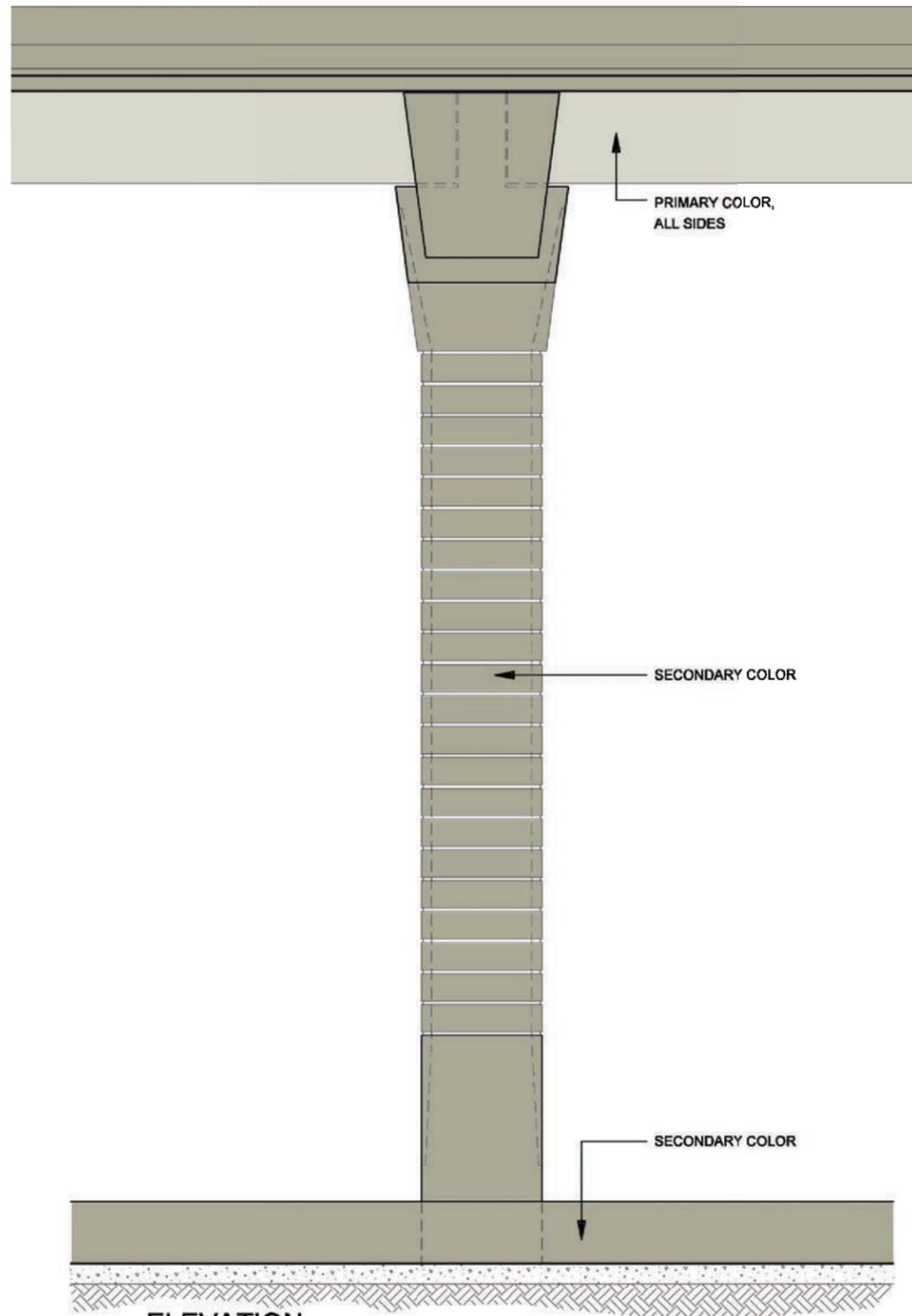
IH-35E RETAINING WALLS

ATTACHMENT:

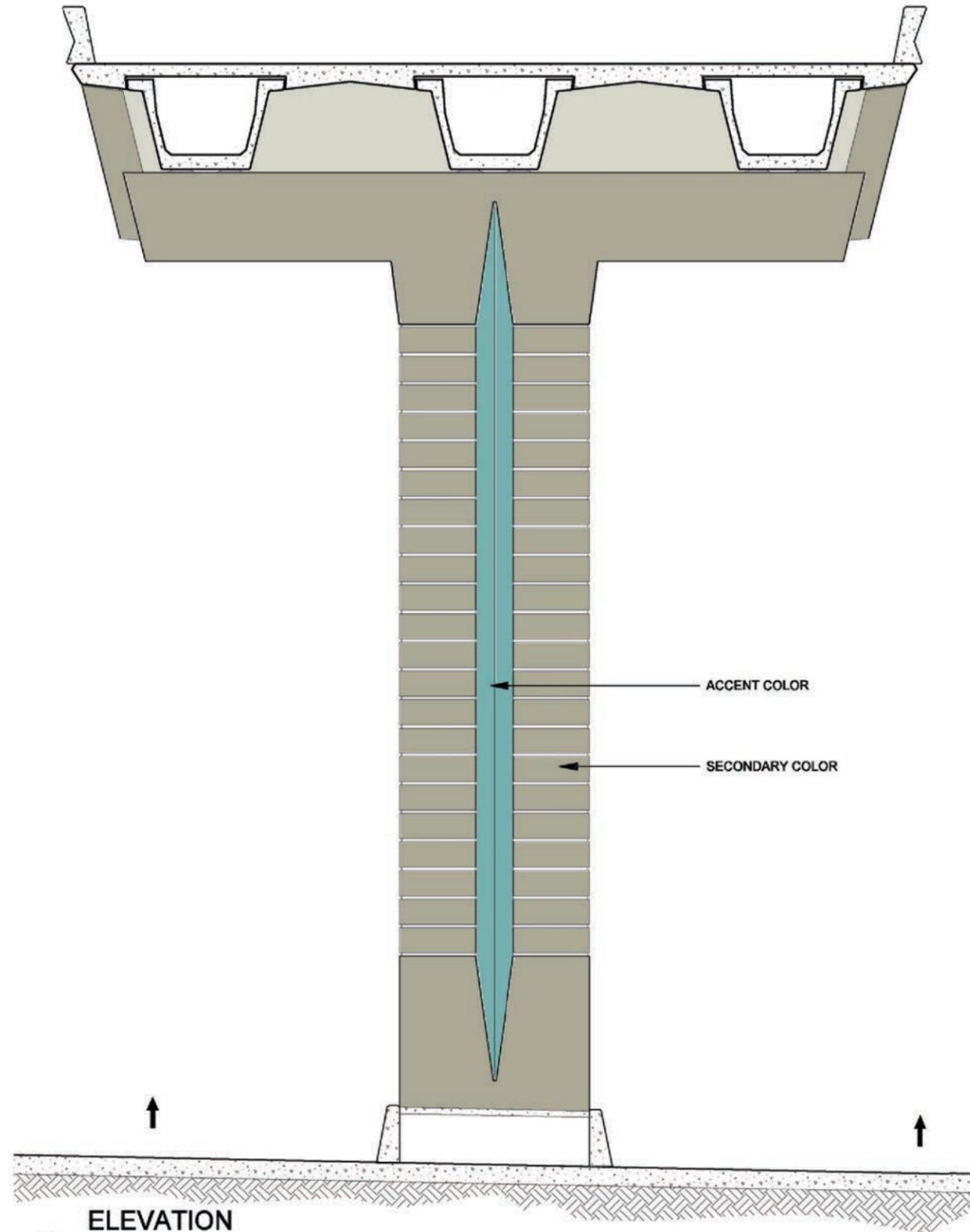
15-1A

SHEET NUMBER:

8.06



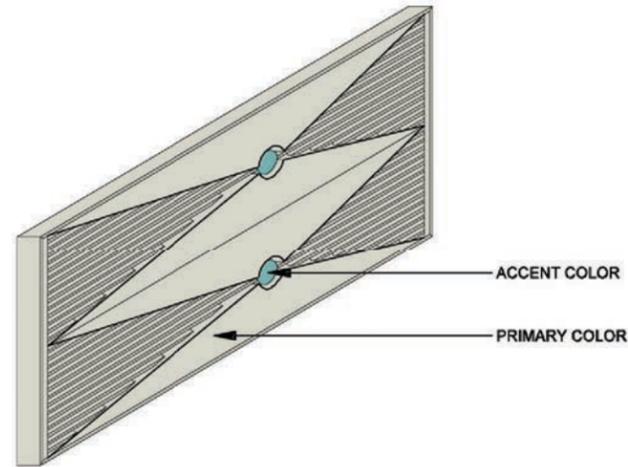
2 ELEVATION
 IH-35E ELEVATED MAINLANES COLUMN - COLOR CONCEPT
 SCALE: 1/8"=1'-0"



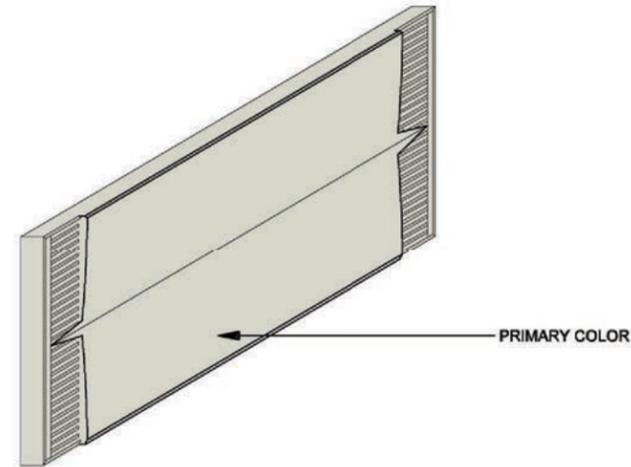
1 ELEVATION
 IH-35E ELEVATED MAINLANES COLUMN - COLOR CONCEPT
 SCALE: 1/8"=1'-0"

ELEVATION
 26.07

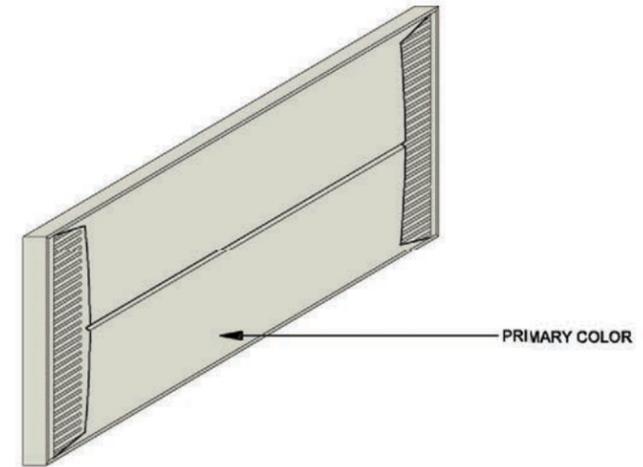
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: IH-35E COLUMNS	ATTACHMENT: 15-1A	SHEET NUMBER: 8.07
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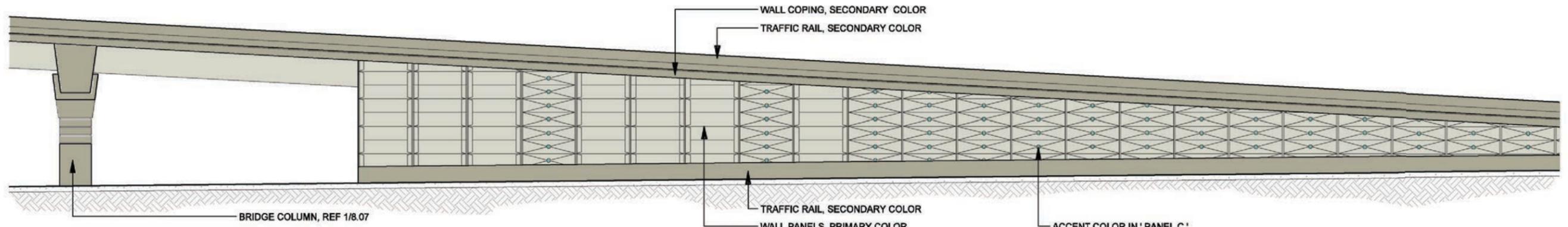
4 ISOMETRIC WALL PANEL C - COLOR CONCEPT
SCALE: 1/4"=1'-0"



3 ISOMETRIC WALL PANEL B - COLOR CONCEPT
SCALE: 1/4"=1'-0"



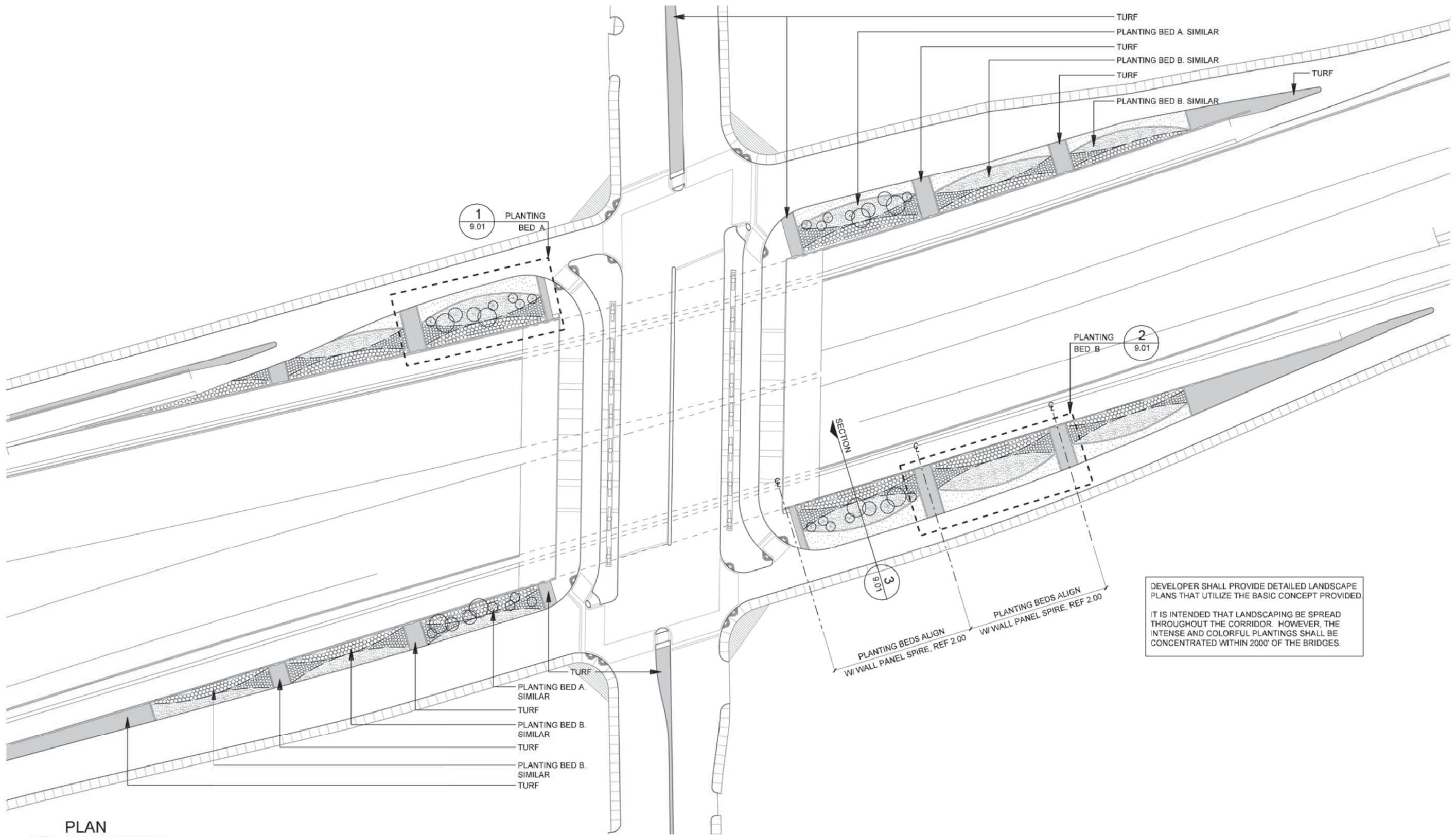
2 ISOMETRIC WALL PANEL A - COLOR CONCEPT
SCALE: 1/4"=1'-0"



1 ELEVATION RETAINING WALL - COLOR CONCEPT
SCALE: 1"=20'-0"



LANDSCAPING



DEVELOPER SHALL PROVIDE DETAILED LANDSCAPE PLANS THAT UTILIZE THE BASIC CONCEPT PROVIDED.

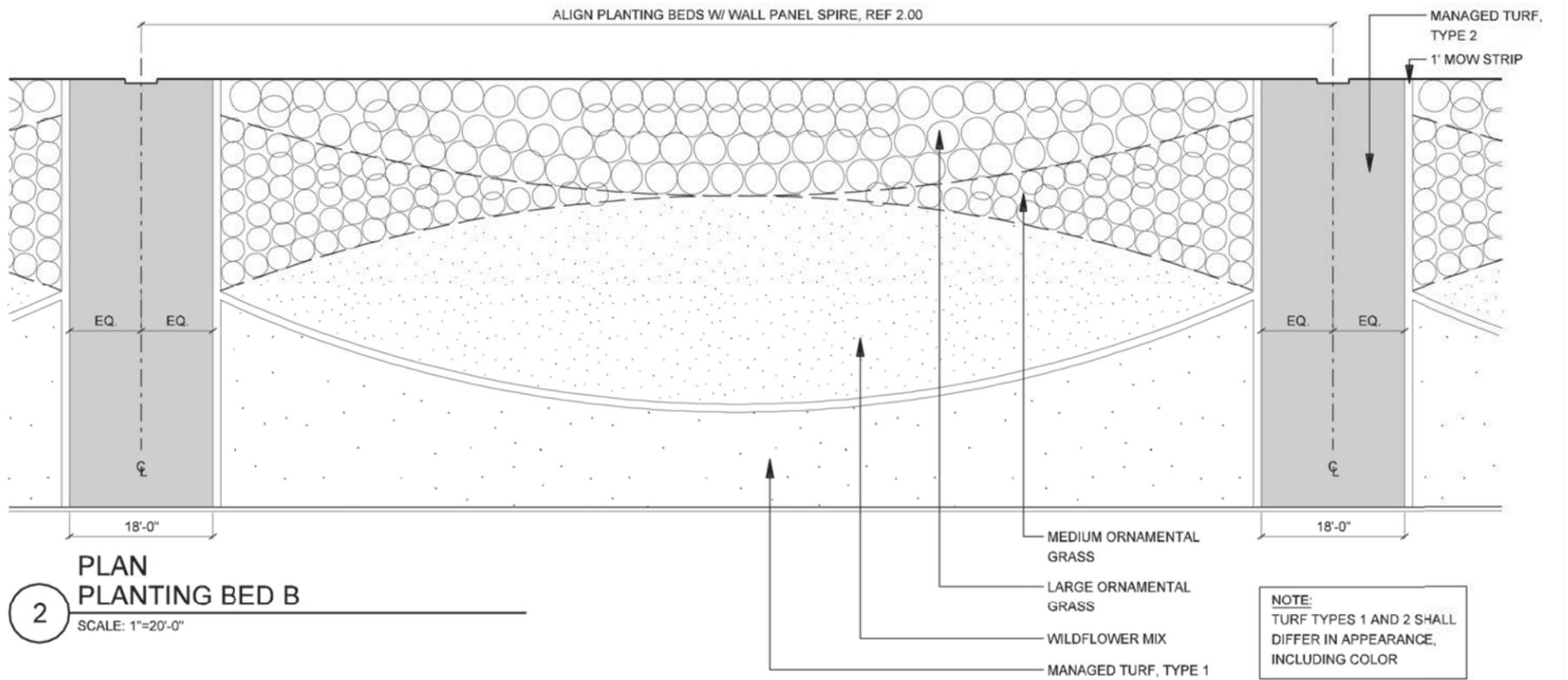
IT IS INTENDED THAT LANDSCAPING BE SPREAD THROUGHOUT THE CORRIDOR. HOWEVER, THE INTENSE AND COLORFUL PLANTINGS SHALL BE CONCENTRATED WITHIN 2000' OF THE BRIDGES.

1 PLAN LANDSCAPE
SCALE: 1"=100'-0"

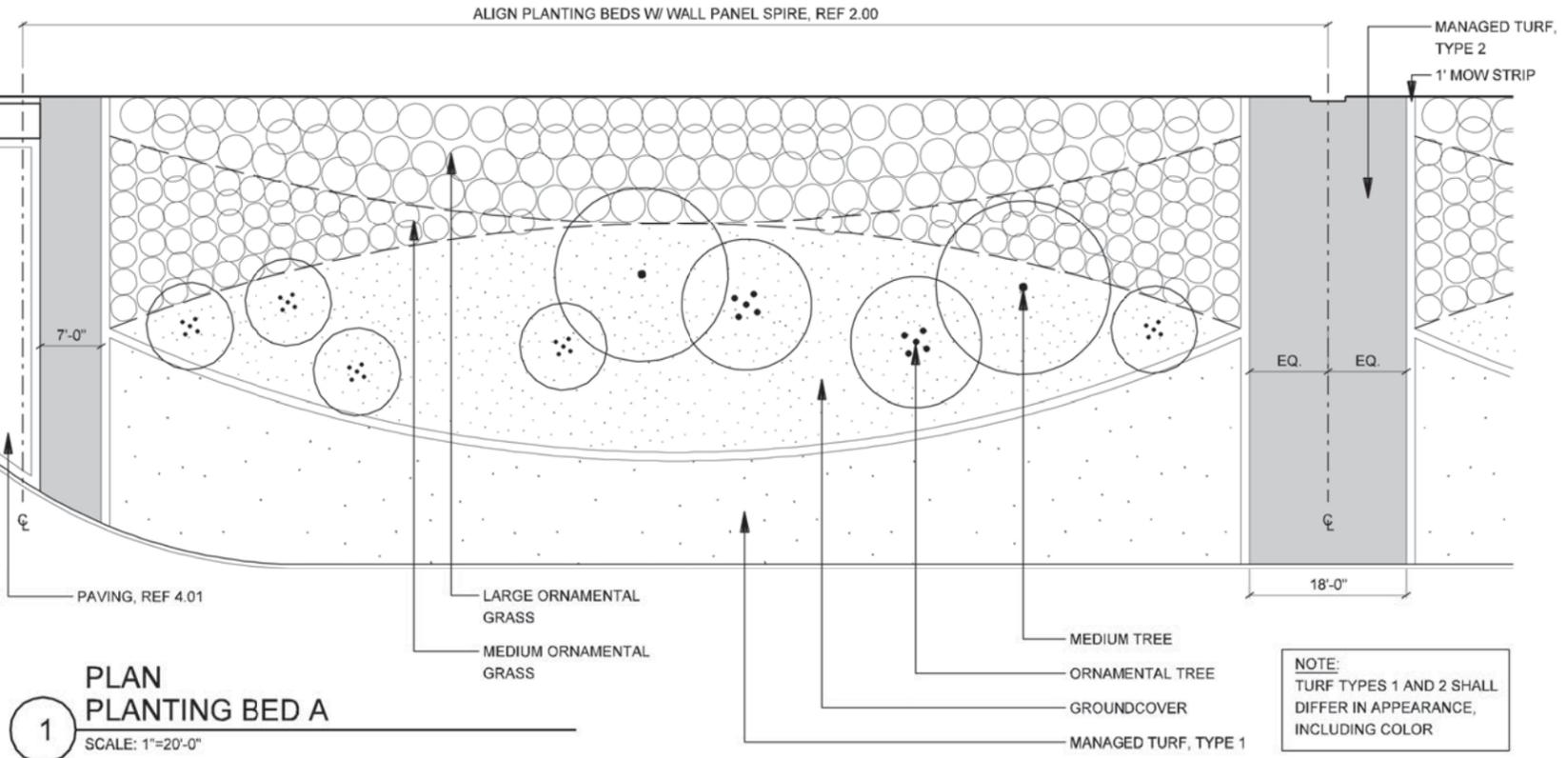


NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

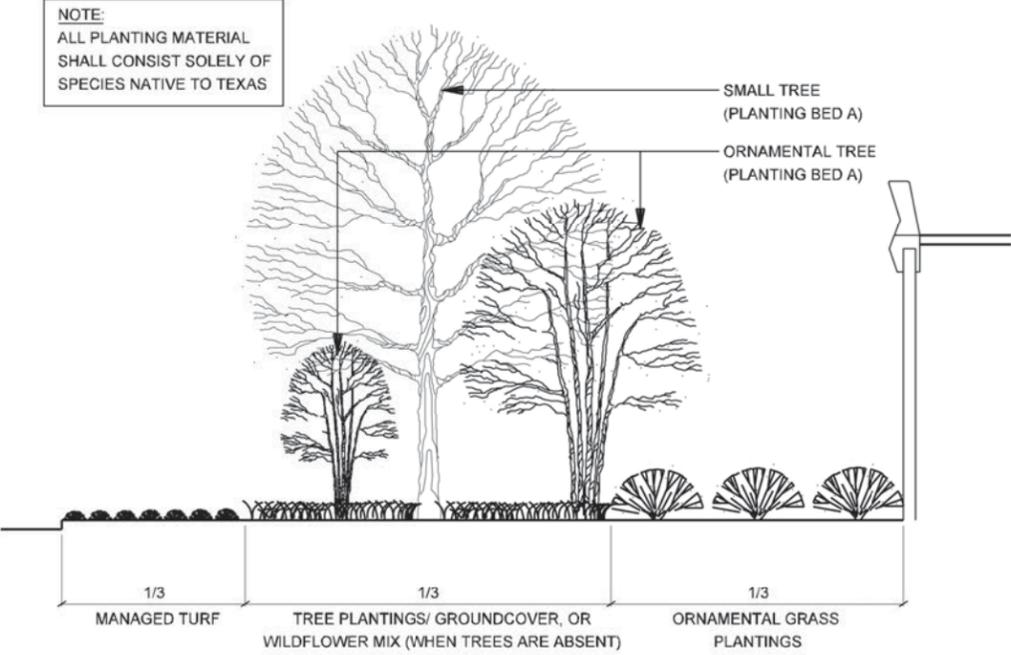
DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: LANDSCAPE PLAN	ATTACHMENT: 15-1A	SHEET NUMBER: 9.00
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2
PLAN PLANTING BED B
SCALE: 1"=20'-0"



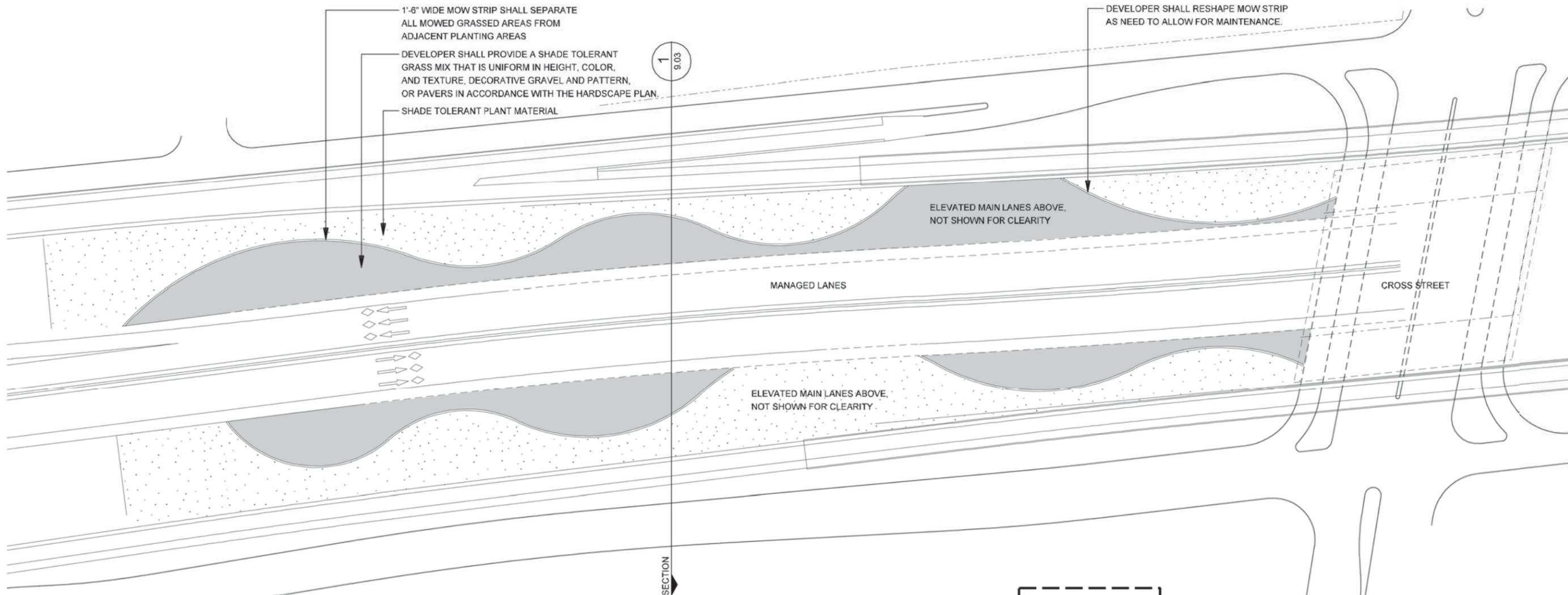
1
PLAN PLANTING BED A
SCALE: 1"=20'-0"



3
SECTION PLANTING BEDS
SCALE: 1"=10'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: LANDSCAPE PLAN	ATTACHMENT: 15-1A	SHEET NUMBER: 9.01
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2 PLAN LANDSCAPE - AT ELEVATED MAIN LANES
SCALE: 1"=100'-0"

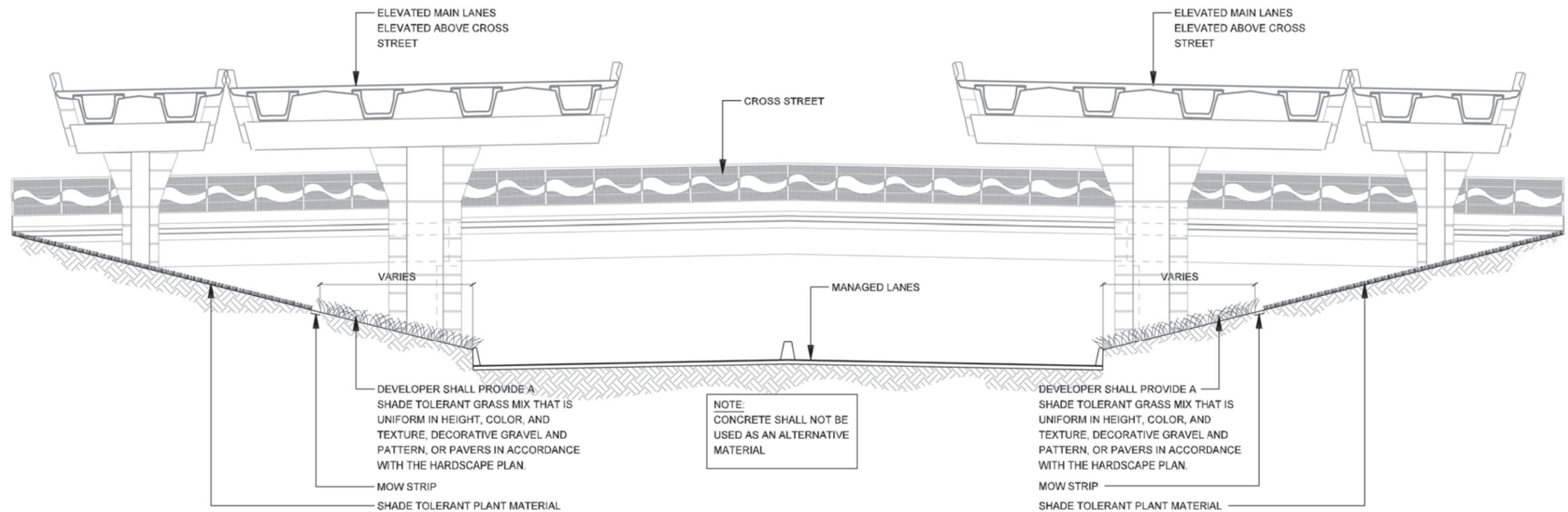


1 PLAN LANDSCAPE AT ELEVATED MAIN LANES - LOCATIONS PER SCHEMATIC
SCALE: N.T.S.



NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE: 09/12/2007	SCALE: AS NOTED	SHEET CONTENTS: LANDSCAPE PLAN	ATTACHMENT: 15-1A	SHEET NUMBER: 9.02
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1 SECTION
LANDSCAPE AT ELEVATED MAIN LANES
SCALE: 1"=20'-0"

NOTE: SHADING USED ON THE SHEET DOES NOT INDICATE USE OF COLOR. THE SHADING IS INTENDED TO AID IN THE VISUAL CLARITY OF THE DETAILS

DATE:
09/12/2007

SCALE:
AS NOTED

SHEET CONTENTS:
LANDSCAPE PLAN

ATTACHMENT:
15-1A

SHEET NUMBER:
9.03