



**PLANNING AND DEVELOPMENT DEPARTMENT  
MEMORANDUM 17-11**

**DATE:** February 27, 2017  
**TO:** Honorable Mayor Joyce Downing and City Council Members  
**FROM:** James A. Hayes, AICP, City Manager   
Brook Svoboda, Director of Planning and Development   
**SUBJECT:** 112<sup>th</sup> Northglenn Station - Betterment Request

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**Purpose**

Seeking Council consensus for column wraps for the canopies at the 112<sup>th</sup> Avenue North Metro Rail Station

**Background**

At the February 22, 2016 Council meeting, Staff presented the concept of several betterment options for the RTD Station at 112<sup>th</sup> Avenue and York Street. Attached hereto to this report as **Attachment 2** is a copy of that staff report. RTD in coordination with their contractor RRP and their design team have finalized cost estimates for the column wraps betterment improvement, which is attached hereto as **Attachment 1** for Council review and consideration. The wraps would be constructed of stainless steel that would have the relief of bark and painted brown to to give the appearance of tree trunk.

The total cost for the improvements is **\$75,860.73** below is breakdown of costs:

RK Steel Subcontract Amount:	\$53,402.00
Design Subcontract Amount:	\$7,500.00
Subtotal:	\$60,902.00
RRP Markup on Subcontract:	\$4,567.65
RRP Total:	\$65,469.65
RTD Soft Costs:	\$10,391.08
<b>Total RRP + RTD</b>	<b>\$75,860.73</b>

RTD would not require payment until 2018, Staff would program this into the 2018 budget. If the City Council chooses to move forward with the betterment, an amendment to the IGA between the City and RTD would be forthcoming to memorialize the betterment improvement.

**Update**

N/A.

**Budget Implications**

The total project cost is \$65,469.65. Staff recommends this be programed into the 2018 budget as General Fund CIP Project. The City would assume the ongoing maintenance and replacement costs for the betterment. Ongoing costs would be identified in the IGA amendment mentioned above.

**Schedule/Time Implications**

This project will likely be constructed later this year. The IGA amendment process will be completed by the end of the 2nd quarter of the 2017.

**Next Steps/City Council Options**

RTD is seeking consensus from the City to move forward with the betterment. Staff is seeking consensus from Council on whether they desire to move forward with the betterment request.

**Staff Recommendation**

Staff recommends approval for the betterment.

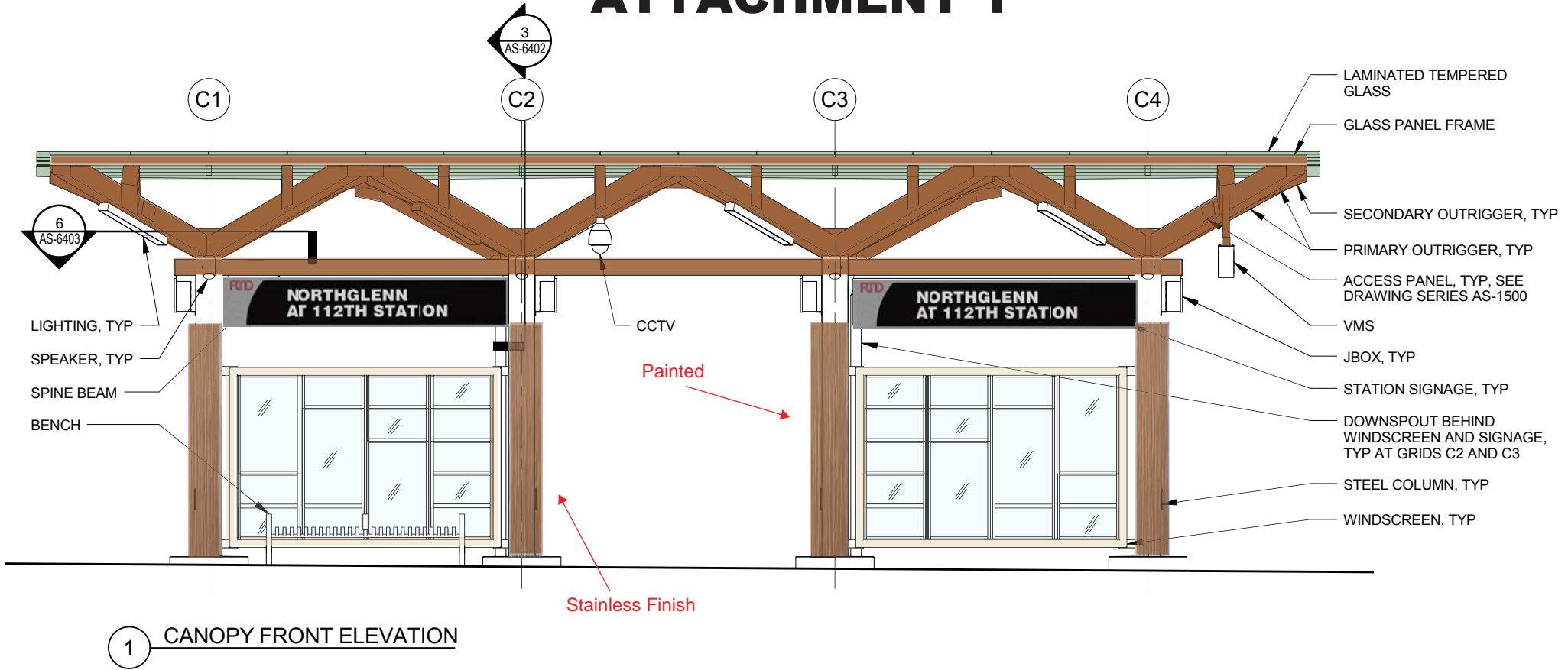
**Staff Reference**

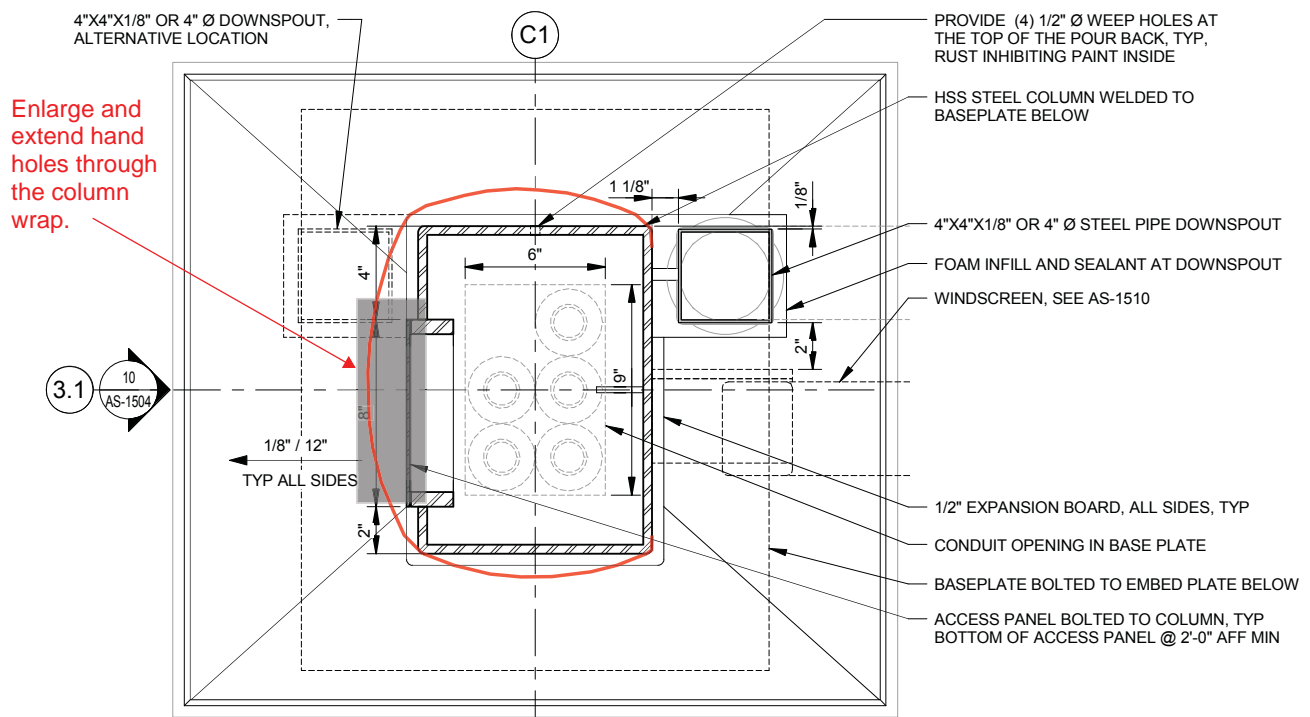
Brook Svoboda, Director of Planning and Development [bsvoboda@northglenn.org](mailto:bsvoboda@northglenn.org) 303.450.8937

**Attachments**

Attachment 1	Renderings of Betterments
Attachment 2	Feb 22, 2016 Staff Report 16-02

# ATTACHMENT 1`





9 CANOPY COLUMN BASE DETAIL  
1 1/2" = 1'

## Concept 6



16ga metal wrap with no bent plate supports. Top and bottom of the "tube" are open. Bottom elevation of column wrap is flush with the concrete and top elevation is just beneath the Electrical J-box. Textured sheet metal wrap is carbon steel painted to match the canopy columns.

### Pros:

1. May achieve the "tree" look a little better.

### Cons:

1. Cost increases due to structural re-design and extended hand holes.

## ATTACHMENT 2

### PLANNING AND DEVELOPMENT DEPARTMENT MEMORANDUM 16-02

**DATE:** February 22<sup>nd</sup>, 2016  
**TO:** Honorable Mayor Joyce Downing and City Council Members  
**FROM:** David Willett, Acting City Manager  
Brook Svoboda, Director of Planning and Development  
**SUBJECT:** 112<sup>th</sup> Ave North Metro Station Betterments - discussion

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#### BACKGROUND

The attached information is intended to identify if Council wishes to pursue “betterments” to the 112<sup>th</sup> Ave Station further, and in doing have RTD/RRP develop more detailed information. Formal cost estimates/final proposal would be presented to Council at a future study session. The only time sensitive issue is the wall treatment, discussed further below. RTD and RRP have presented Staff preliminary cost estimates for proposed betterments.

Staff is requesting direction from Council whether they wish to pursue betterments and formalize the preliminary cost estimates into final (designed) cost estimates, with the understanding that final costs will likely be higher.

#### Station Platform Wall Treatment

The construction of the station platform is scheduled for April. As part of the foundation construction, the project will be installing a fractured fin treatment that will face the parking area - a rendering is attached hereto as **Attachment 1**. This treatment is being applied to all station platforms throughout the North Metro corridor. RTD/RRP are requesting whether or not the City desires an alternative treatment for this location.

The City has the option to consider alternate treatments; however, they would be considered a “Bettement” – an additional cost to the City. Included as **Attachment 2** are alternative treatments that are available. Options C-F have an additional cost ranging from \$16 - \$24 sq ft. Option B would be at no additional cost. There is approximately 3,000 sq ft of surface area the range in cost is \$54,000 - \$72,000. The table provides the preliminary estimated costs for each treatment

Option	Price / Sq ft	Estimated Cost to City
B	\$0.00	\$0.00
C	\$18.00	\$54,000
D	\$16.00	\$48,000
E	\$21.00	\$63,000
F	\$24.00	\$72,000

#### Column Wrap for Covered Area at Platform

The current column is proposed as a square shaped girder element, which is consistent with all other stations along the north metro line. Since the station is intended to reflect a tree/nature centric theme, it was previously requested to seek pricing to wrap the vertical girder column with a cylindrical form to reflect a rounded tree trunk. Attached hereto as **Attachment 3** is a rendering of the columns as a well as specifications detail for the cylinder. It is estimated that the cost would be approximately \$40k for brushed stainless or \$80k for copper.

**Location(s) for Future Art Work**

**Attachment 4** depicts the locations that are being preserved for future art installations. Two would be wall mounted and another would be a ground installation. There is still sufficient time to work RTD on final design elements and placement.

**RECOMMENDATION**

Staff is seeking direction on whether to move forward part of all of the proposed betterments

**STAFF REFERENCE**

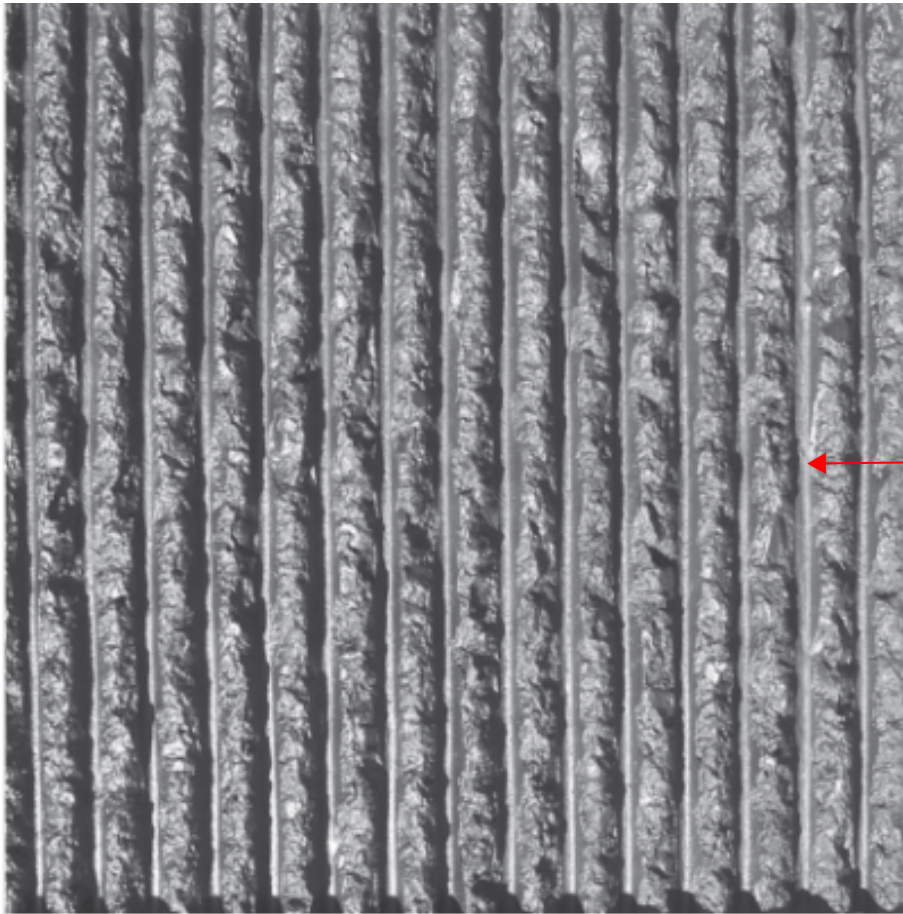
Brook Svoboda, Director of Planning and Development [bsvoboda@northglenn.org](mailto:bsvoboda@northglenn.org) or 303.450.8937

**ATTACHMENTS**

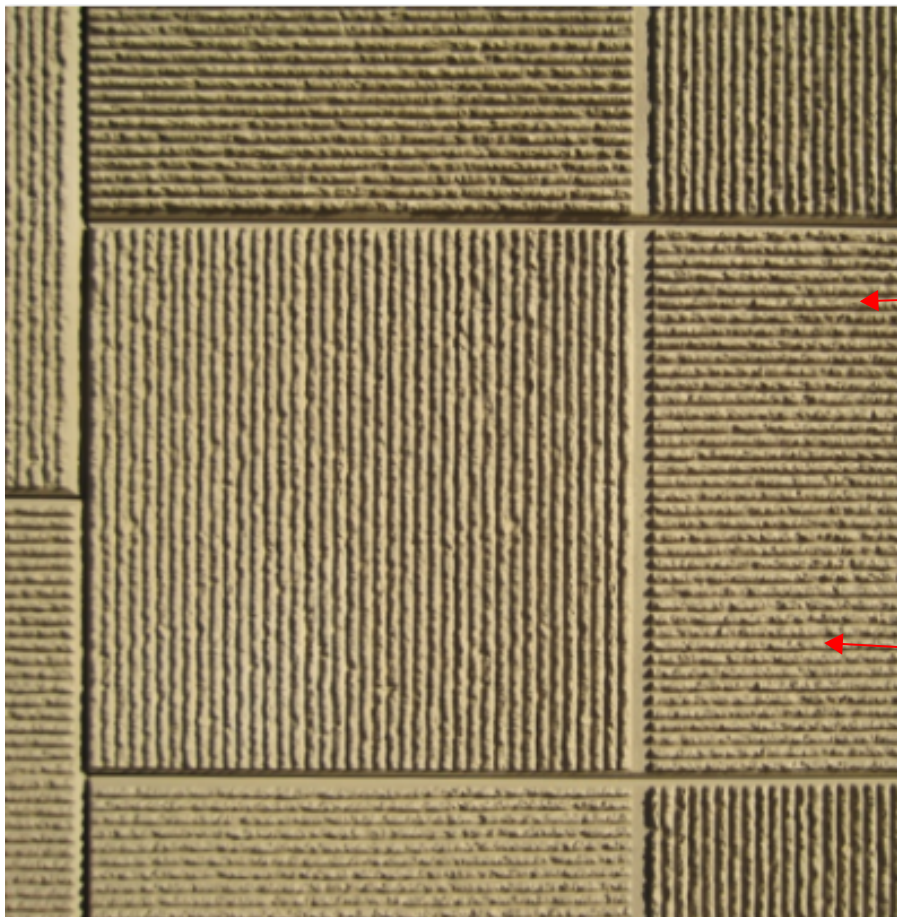
- Attachment 1 - proposed wall treatment
- Attachment 2 – alternative wall treatment
- Attachment 3 – proposed cylindrical coverings for platform columns
- Attachment 4 – locations for future art work



## ATTACHMENT 1



← cast in place walls  
base texture  
vertical fractured fin



← MSE wall base  
texture  
alternating fractured  
fin

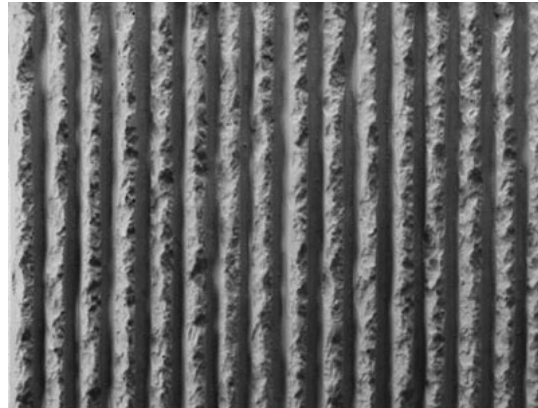
← aprox color



## ATTACHMENT 2



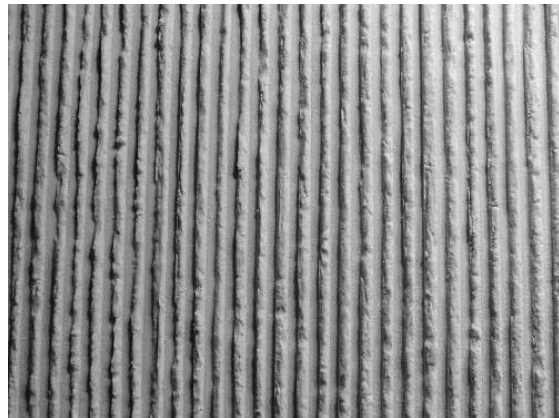
fractured fin (base)



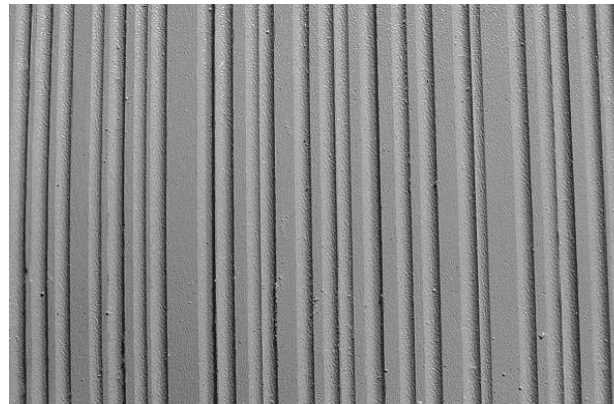
Option B No Additonal Cost



Option C \$18/sqft



Option D \$16/sqft



Option E \$21/sqft



Option F \$24-75/sqft

USER: mckicks 4/21/2015 10:54:02 AM NMLC-CW-001-PH18 Detail 1.dgn

				DESIGNED BY: FAH		DATE: 02/02/2015		CHECKED BY: TJW		DATE: 02/06/2015		HORIZ. SCALE: NTS		 <b>RTD FasTracks</b> North Metro Rail Line  REGIONAL TRANSPORTATION DISTRICT 1600 BLAKE STREET DENVER, COLORADO 80202 (303) 628-6000	<b>NORTH METRO RAIL LINE</b>  ANCILLARY CIVIL SOUND WALL DETAILS
				DRAWN BY: SRL		DATE: 02/02/2015		APPROVED BY:		DATE:		VERT. SCALE: NTS			
				 <b>REGIONAL RAIL PARTNERS</b> Balfour Beatty / GRAHAM JOINT VENTURES		 <b>Stantec</b>  2000 SOUTH COLORADO BOULEVARD SUITE 2-300 DENVER, COLORADO 80222 (303) 758-4055									
A ISSUED FOR 60% SUBMITTAL, CDRL 03-036,08,04				REP		02/06/15									
NO.		REVISIONS		BY		DATE									

PRELIMINARY  
NOT FOR  
CONSTRUCTION

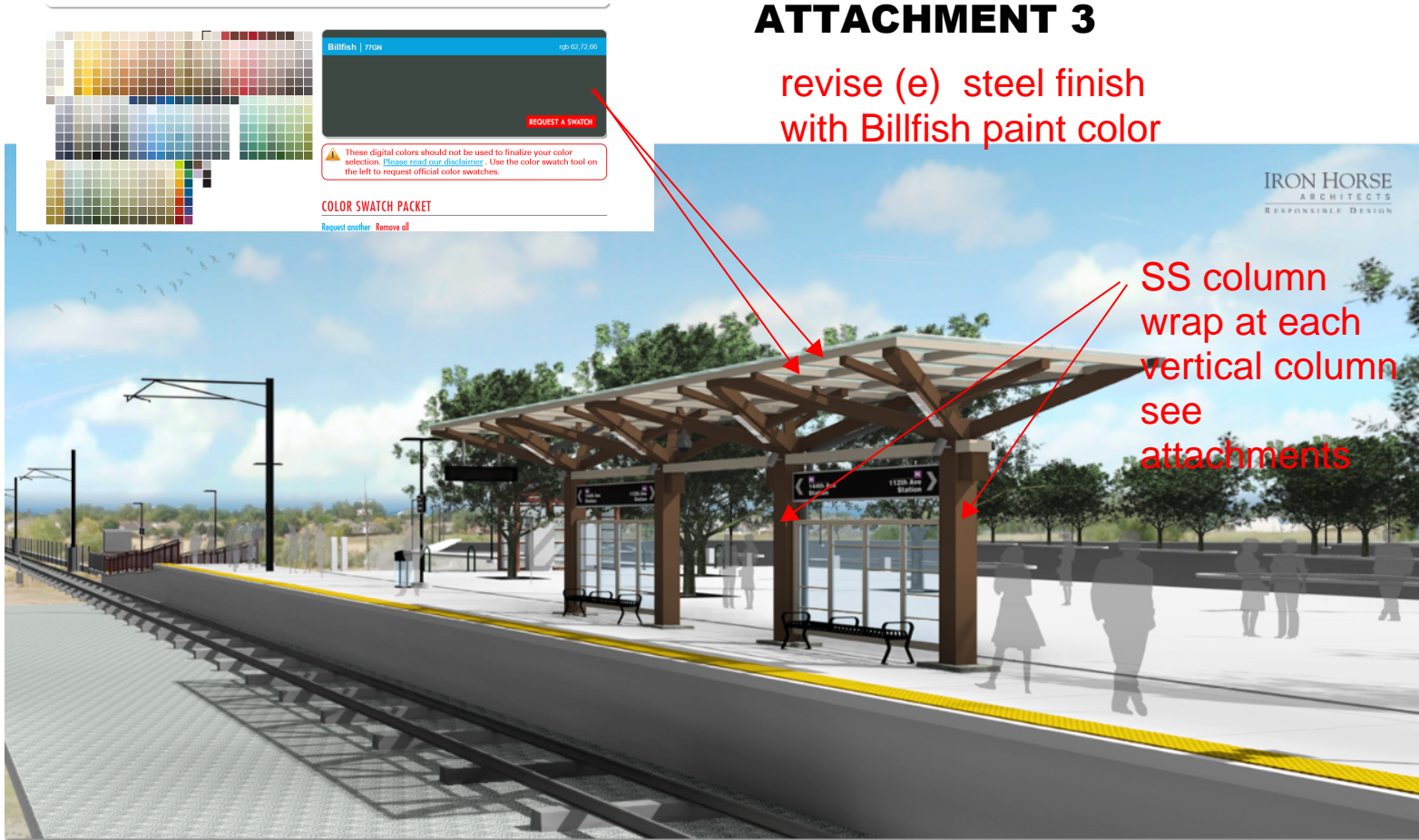
DWG No. CW-001



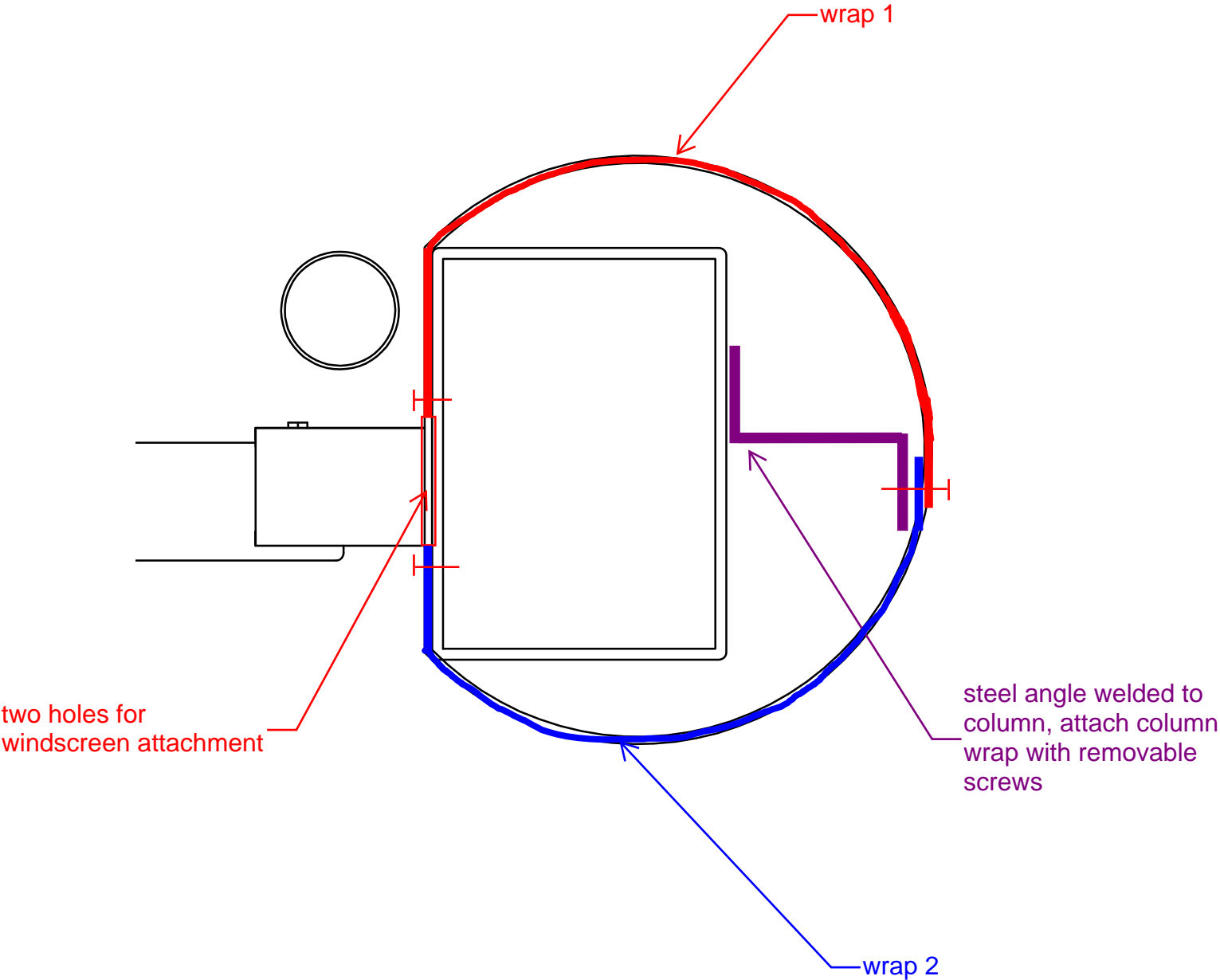
## ATTACHMENT 3

revise (e) steel finish  
with Billfish paint color

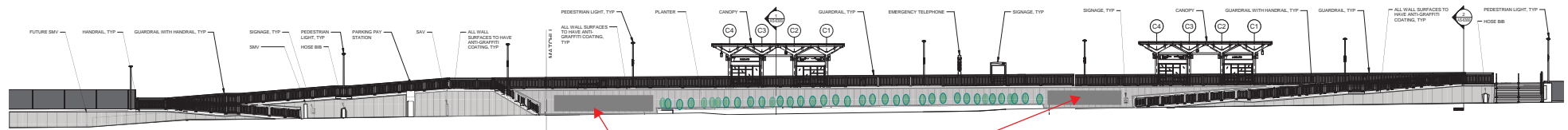
SS column  
wrap at each  
vertical column  
see  
attachments



112th Station column wrap plan detail



## ATTACHMENT 4



112th Ave Station East Elevation

possible art location



# 112th Avenue (Northglenn)

**POSSIBLE ART LOCATION**

316 parking spaces  
4 bus bays

