be cut parallel to the top of the parapet grades and the top of the arch support shall be cut parallel to the bottom of the aesthetic arch chord as designated in the plans.

All plan dimensions are measured along the horizontal. See Aesthetic Arch Support and Fence Post Layout 1 & 2 for details on post layout and top/bottom post bevel requirements, respectively.

Show field splice locations for the arch tubes on the shop drawings at locations shown on the plans. Do not provide additional splices.

Post base plates shall be flat after fabrication. All rough edges on wire mesh, posts, base plates, arch tube, arch plates, angles and bars shall be ground smooth before galvanizing.

All individual pieces shall be given a unique shop mark corresponding to shop drawing designations. Shop marks shall be provided using removable tags securely attached to each element. Designations on tags shall be waterproof and legible until removal.

Coating:

Galvanize all fence and arch components in accordance with CMS 711.02.

All arch and fence components are to be painted after galvanization and shall do the following:

After removing high spots, the galvanized coating shall be cleaned per SSPC SP-1. The cleaning solution shall be an alkaline solution with a ph ranging from a minimum of 11 to a maximum of 12. This solution can be applied by immersion, spray or soft nylon brush. Follow cleaning with a hot water or hot pressure washer rinse. Individual pieces shall be separated and positioned to facilitate drainage and drying. The pieces shall be completely dry before proceeding.

After cleaning, the pieces shall be abrasive blasted per SSPC-SP7 brush-off blast cleaning. The blasting operation shall roughen the galvanized surface to an angular surface profile of 0.25 to 0.50 mils. The blasting equipment, technique and abrasive material shall be selected to provide for the specified surface profile without removal of zinc layers. The final zinc milage shall not be less than 3.0 mils. All abrasive residue shall be removed with clean compressed air or other methods acceptable to the city.

After obtaining an acceptable surface profile, shop apply a two-coat paint system consisting of epoxy intermediate coat and a urethane finish coat meeting the requirements of CMS 514. The finish coat color for the arch components shall be “Hilliard Blue”, Pantone 2945 C and the finish coat color for the fence components shall be Federal Standard 17925 (white).

The epoxy intermediate coating shall be applied within 24 hours of the brush-off blasting. The coatings shall be applied per CMS 514 except that requirements for surface

preparation and priming shall not be performed. The coating shall be shop applied as specified in these notes without the work limitation specified in CMS 514. Field repairs and touch-ups shall follow work limitations specified per CMS 514 and be as directed by the engineer.

Submittals:

Coating applicator must provide in writing single source responsibility for both hot-dip galvanizing and paint system application.

Before commencing coating work of the Job Standard Panel Sections, supply the following items to the project site for inspection by the Engineer/City Representative:

a. 1'-0" x 1'-0" piece of galvanized and PVC coated Federal Standard Color # 17925 (White) welded wire fabric.

b. One galvanized steel plate, 2'-0" x 6", painted the following color: Pantone #2945 C (Hilliard Blue)

c. One galvanized steel plate, 2'-0 x 6", painted the following color: (Federal Standard 17925 (White)

Based on a site inspection of these items by the Engineer/City Representative, the final color will be approved for the painted fence and decorative arch elements. Do not coat the Job Standard Panels until written approval is received from the Engineer.

4.0 Job Standard Fence With Decorative Arches Section

Provide a Job Standard fence with decorative arches section (three posts, five wire mesh panels, and arches) fabricated, galvanized, painted, delivered to the job site and erected for Engineer's approval before fabrication of the remaining project fence with decorative arches commences. The Job Standard section shall meet the following requirements:

A. The Job Standard section for the fence with decorative arches shall consist of three posts spaced at 7'-6", five wire mesh panels with all attachment members and hardware. The Job Standard can be any three post section on the bridge from (sections 2 and 3 on page 43 of 57) and if approved by the Engineer, can be incorporated into the structure. The Job Standard shall be fabricated to match the required bridge top of parapet and top of curb elevations at the fence with decorative arches final location on the structure. The Job Standard can be positioned on temporary supports off the structure replicating the top of parapet elevations and anchor bolt spacing at the final location on the bridge. The Job Standard can then be disassembled and moved onto the bridge once the bridge parapet and bridge curb is completed. The Job Standard shall include all elements indicated on the plans to complete a section of the fence with decorative