

Appendix C – Bike Corral Specifications and Drawings

ITEM 2 – ***** BICYCLE RACK, TYPE CORRAL INSTALLED

Description.

Work under this item shall consist of furnishing and installing bicycle racks within existing on-street parking lanes, as directed by the Commissioner. Work under this item shall be performed according to the current version of “Special Provision for Bicycle Racks,” Check Sheet 18 of the IDOT Supplemental Specifications and Recurring Special Provisions, except as herein modified.

Materials.

- (a) Structural Tubing. The bicycle rack shall be fabricated from square, hollow, structural tubing, in accordance with ASTM A500 Grade B. The steel tube shall be a continuous piece as shown on the plans. The steel tube shall not be welded in sections. Only the steel flat bar shall be welded to the steel tube and the weld shall be continuous.
- (b) Fasteners. Anchors shall be stainless steel anchor bolts 1/2 in. (13 mm) diameter x 4 in. (102 mm) long according to ASTM A193.
- (c) Base plates. Base plates shall be 0.375” x 4” steel flat bars.
- (d) Concrete pad. Concrete pads will not be required as racks will be installed in existing concrete and/or asphalt.
- (e) Parking stops. Parking stops shall be 6’ long and fabricated from white recycled plastic or rubber.
- (f) Delineators. Delineators shall be 42” height surface mount delineators and meet all requirements of the MUTCD. The posts shall be white, with (2) 3” wide retroreflective bands placed 2” from the top of the post and spaced 3” apart.

Submittals.

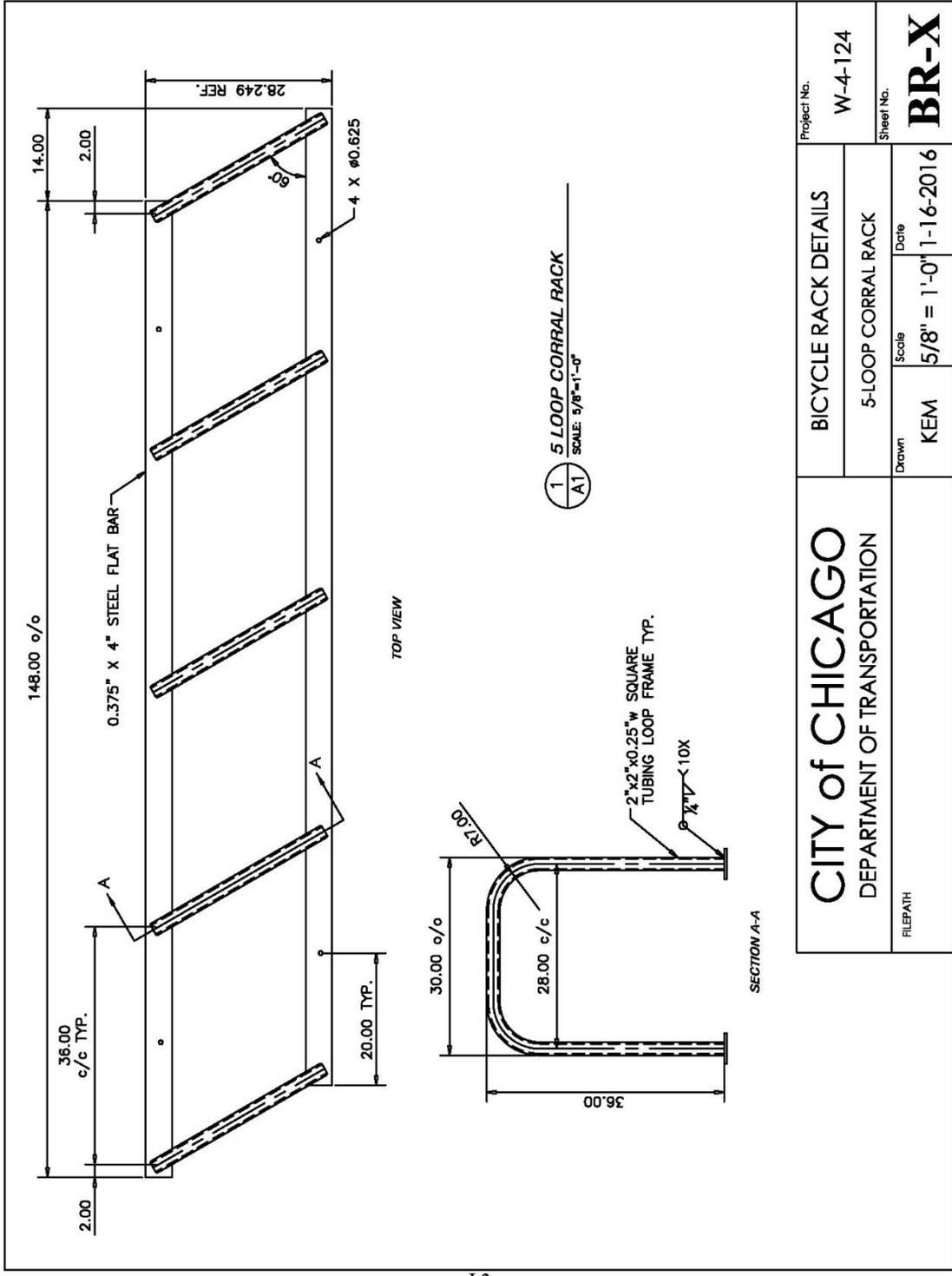
- (a) QC/QA Requirements. The contractor shall provide a Manufacturer's written certification that all materials comply with these specifications.
- (b) Samples. The contractor shall submit two each of 12” long sample of tubing welded to 12” long segment of steel flat bar with finish coat.

Coating of Bicycle Racks.

- (a) Steel shall be shot blast to near white steel and then galvanized according to ASTM A123.

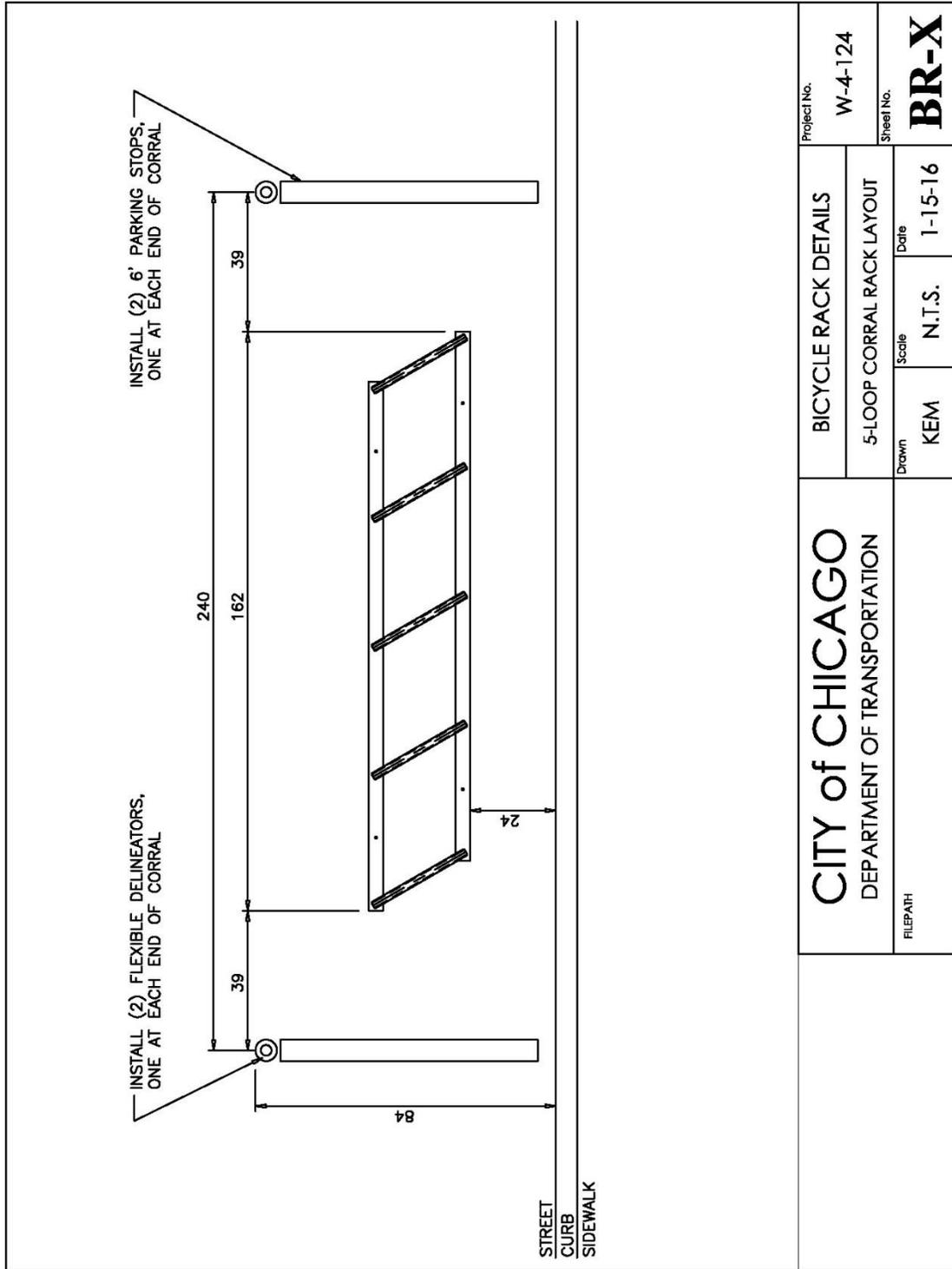
Measurement and Basis of Payment.

This work will be paid for at the contract unit price for each 'BICYCLE RACK, TYPE CORRAL INSTALLED' and shall include the cost of furnishing, installing, and mounting hardware.



CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION FILEPATH		BICYCLE RACK DETAILS		Project No. W-4-124
		5-LOOP CORRAGAL RACK		Sheet No. BR-X
Drawn KEM	Scale 5/8" = 1'-0"	Date 1-16-2016		

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