PART 1 – GENERAL

Information in this Section is to be followed unless otherwise directed by University of Delaware (UD) Owner Representative and UD Grounds Representative (Assistant Director of Grounds or Landscape Planner). UD Logo to be used only with prior approval from the University of Delaware Office of Communications and Marketing.

1.1 SUMMARY
A. This section contains information about UD’s Post & Chain fencing, and the UD Vehicular Gates with Logo.

1.3 DESIGN REQUIREMENTS
A. Post and Chain Fencing

1. Fencing is used throughout campus to direct vehicular and pedestrian traffic, and to protect turf, green spaces and paved areas from damage.

2. Fencing should be installed in a manner consistent to the surrounding context, architecture and that permits usability without being intrusive.

3. Materials
   a. Post:
      o 5’ to 5’-2” (2” O.D.) black vinyl coated schedule 40 with acorn cap and eyebolt (see attached detail).
      o Installed Height should be 44.5” (maximum) from top of grade to top of Acorn Cap.
   b. Chain:
      o ¼” black poly coated.
      o single or double row, TBD as per project.
   c. Sleeves:
      o 18” x 2” ID schedule PVC sections.
      o Color: Black
   d. Corner Post:
      o To be used when longer length of chain sections might bend the regular post.
      o Schedule 40 pipe painted black with cap and eyebolt (see attached detail).
      Height same as post.
   e. Corner Post Sleeve:
      o 18” x 4” ID schedule PVC sections.
      o Color: Black
   f. Eyebolt:
      o 2 ½” x 3/8” eyebolt with nut (1.5” ring)
      o Painted black.
g. Cap:
   o black vinyl coated corn cap.

4. Installation:

Fencing is typically installed in the soldier course of pedestrian paths and should
never be installed in turf without a paver pad to ease mowing and trimming
maintenance. Paver pads should connect to adjacent paving, curbing, etc. Exact
configuration of fencing with pavers should be determined on a project by
project basis.

a. Sleeves are to be used to facilitate frequent removal and replacement of
   fencing, especially for special events.

b. Sleeves should be installed in concrete; poured such that the concrete
   will not be seen at grade and will be sloped to drain water away from
   post.

    c. When installed with pavers, the sleeve and post shall be set; centered in
       an 8x8” cored paver matching the surrounding soldier course. The top of
       sleeve shall be flush with the top of the pavers.

    d. Paver pads will be installed at base of poles when installed in turf, same
       installation as above.

    e. The chain should be hooked through each eye with a minimum droop
       between posts. A second eyebolt and chain, mounted 6” below primary,
       may be utilized in certain situations. Posts shall be set 10' O.C., except
       when site conditions require otherwise.

B. **UD Vehicular Gates**

1. Gates should be installed in combination with Bollards, as needed, to ensure that
   vehicular access around the outside of the gates is prevented when gates are closed.

2. Padlocks, with chain and hinge, are to be provided by the project. Project shall
   provide all misc. fasteners to secure padlock and pins to each gate.

3. Gate Hinge: Padlock with chain and cable is to be tec-screwed to hinge so it cannot
   be removed.

4. Material: metal, painted black

5. Logo: modified version of Circle UD logo/mark *(obtain correct vector logo art from
   the University of Delaware Office of Communication and Marketing (OCM)). Final
   approval of gate mockup must be approved by OCM for consistency and correct
   use of logo/mark.*

PART 2 – PRODUCTS

2.1 Post and Chain Fencing Manufacturer:

Guardian Fence Company

4783 Summit Bridge Road
Middletown, DE 19709
T: 302-449-5006
Fax: 302-449-5306
www.guardian-fence.com

2.2 UD Vehicular Gates Manufacturer:

A & H Metals, Inc.

249 E. Chestnut Hill Road
Newark, DE 19713
T: 302-366-7540
Fax: 302-368-5534

PART 3 – EXECUTION (no content)
PART 4 - ATTACHMENTS

4.1 Post & Chain Fence Detail

1) CONCRETE SLEEVE ONLY AT CORNER POSTS AND MIDWAY THROUGH LONG RUNS.
2) 2ND CHAIN OPTIONAL...IT BELOW UPPER RING/CHAIN
3) CORE DRILL ALL POSTS THROUGH CONCRETE OR ASPHALT

POST
2" OD. SCHEDULE 40 BLACK VINYL COATED PIPE WITH ADD'N CAP (BLACK VINYL CoATED)
GUIDE TO "S"

CHAIN
7/8" BLACK RIVETED COIL CHAIN
POLY COATED

RING
2 1/2" X 3/8" BOLT WITH LOCKNUT
1 1/2" RING PAINTED BLACK

SLEEVES
1 1/2" X 1/8" I.D.
SCHEDULE 40 P.V.C.
4.2 Post & Chain Fence Images

A. Black Vinyl-Coated Acorn Cap

B. Pole inserted into concrete sleeve, in 8” x 8” cored paver, within soldier course.
C. Single Strand Post & Chain – Installed within paver soldier course.
   Location: The Green

D. Post & Chain Installed in turf with paver pad, set flush with adjacent grade to ease mowing.
   Location: Penny Hall
4.3 UD Vehicular Gate Images

A. UD Gates installed in paved Pedestrian Walk/Fire Lane. Location: ISEB

B. Padlock with Chain and Cable

END OF SECTION