SECTION 32 10 00 - CONCRETE PAVING AND SURFACING

1.1 SUMMARY

A. Walkways (Sidewalks).

B. Roadways.

1.2 QUALITY ASSURANCE

A. Quality Standard: ACI 301.

B. Mockup: Construct 5 feet by 5 feet walkway mockup, to demonstrate typical joints, surface finish, texture, tolerances, color, and standard of workmanship. Locate mockup in location indicated or, if not indicated, as directed by Architect.

C. See Campus Master Plan for additional details on different types of walkways throughout the Campus.

1.3 LAYOUT

A. Walkways shall be not less than 5 feet wide to allow for truck mounted snow removal equipment.

B. Minimum Thicknesses:

1. 5 feet wide walkways shall be not less than 5 inches thick.
2. 8 feet or wider walkways shall be not less than 8 inches thick.

1.4 MATERIALS

A. Reinforcement:

1. Recycled Content: Postconsumer recycled content plus one-half of preconsumer recycled content is not less than 25 percent.
2. Welded Wire Reinforcement: ASTM A185, plain steel.

    a. Walkways: Not less than #10, 6” x 6”.
    b. Roadways: Not less than #4, 6” x 6”.

3. Steel Wire: ASTM A82, as drawn, plain.
4. Joint Dowel Bars: ASTM A615 Grade 60, epoxy-coated, plain steel.

B. Concrete:

1. Portland Cement: ASTM C 150, white.
2. Normal-weight aggregate.

3. Air-entraining admixture.
4. Compressive Strength: 3500 psi at 28 days.
5. Mixing: Ready mixed in accordance with ASTM C94.

C. Base:

1. Base shall be not less than 4 inch thick, crushed limestone, compacted to 95% maximum dry weight, in accordance with ASTM D698.

1.5 FINISHING AND CURING

A. Finishes: Medium-to-fine-textured broom.

B. Cure concrete by moisture curing, moisture-retaining-cover curing, curing compound, or a combination of these.

END OF SECTION

SECTION 32 90 00 - LANDSCAPING

1.1 GENERAL

A. Plantings shall be not greater than 4 feet in width, to allow for debris removal and maintenance.

B. Planting in non-bed locations shall have a minimum clearance of 72 inches from buildings, walls, each other, etc., to allow for mower access.

C. Planting shall not be used in areas where individuals could be expected to use them for personal concealment.

D. Local plant species shall be used whenever possible, due to severe range of temperatures (104° F to -24° F) and other local climate constraints.

E. All plant selections shall be subject to review and approval by Owner.

F. All grass seed mixes shall be subject to review and approval by Owner. Grass seed shall be by Lesco unless otherwise directed by Owner.

G. All grass seed and plants shall be planted in accordance with American Nurseryman's Standards.

1. Grass Seed Mixture:

a. 50% Perennial Rye and 50% Perennial Kentucky Bluegrass.

H. All irrigation systems shall be as manufactured by Hunter. Pipes shall be Class 200 or better.

1.2 LEED SUBMITTALS

A. Plant List indicating.

B. Irrigation System Product Data and Shop Drawings.

END OF SECTION