02505 ROADS, WALKS, PARKING LOTS

PART 1: GENERAL

1.01 DROPPED CURBS AND CURB RAMPS


1.02 PARKING LOTS/PARKING SPACES

A. Parking lots shall be site specific. Their dimensions and orientation shall suit the specific site conditions. Generally, 90° parking spaces are the best, but on occasion 45°, 60°, or 180° (parallel) spaces are permitted. Driving aisles shall be no less than 24' (twenty-four feet). All 90° parking spaces shall be 8.5' wide x 16' long (with overhang) or 8.5' wide x 18' long (without overhang). Accessible parking spaces shall also be 8.5' x 16' or 18', with an 8.5' access aisle on at least one side. Dropped curb ramps shall be provided from accessible parking to accessible paths of travel. Parking must comply with the Cornell general parking and accessible parking striping details, and for vertical signage for the parking space and the “no parking any time” sign for the access aisle.

1.03 ROADS/DRIVES

A. Minimum width for two-way main roads is 24' (twenty-four feet). Minimum width for major two-way service drives is 22' (twenty-two feet). Minimum width for minor two-way service drives is 20' (twenty feet). Minimum width for one-way traffic is 12' (twelve feet). All road design work should consult the Cornell Campus Master Plan for the individual streetscape design which may include bike lanes, walkways, and tree/vegetative buffers.

1.04 WALKS

A. Minimum width is 8' (eight feet) and 10' (ten feet) where pedestrian traffic volume is higher. Minimum 5' (five foot) radii required at intersections. Ramps with a slope not greater than 1:12 are preferable to stairs for mechanical snow removal. Walks should generally be continuous across driveways, must have dropped curbs, and must comply with CU Design and Construction Standards for accessibility as stated in 1.01.
1.05 CROSS WALKS

A. Must be marked in the piano key style in accordance with the Cornell University Standard Detail 7.1.3 Stop Bar and Crosswalk (12” wide bars with 24” wide space between each bar running parallel with the roadway) and comply with CU Design and Construction Standards for accessibility as stated in 1.01.

1.06 BIKE LANE

A. A dedicated bike lane must be a minimum of 5’ wide and comply with Cornell bike lane pavement marking detail. The edge line of the designated bike lane shall be striped white to separate the lane from the roadway. The bike man symbol (white, 36” wide and 96” tall) shall be applied at the start of a bike lane and every 80 feet thereafter on roadways that have a posted speed limit of 30 mph or lower.

1.07 SHARED WALKWAY AND DISMOUNT ZONES

A. Bike Man symbols (white, 24” x 48”) will be used to mark shared walkways. The dismount zones will have the international “NO” symbol in red applied over the white Bike Man symbol.

1.08 SNOW PLOWING

A. Snow is plowed and moved aside. It is not picked up or hand shoveled except on stairs. Provide space where it can be piled. Special attention should be given to loading docks and other critical areas. Pull-off lanes shall have at least a 10’ (ten foot) radius at the points of curvature. This smooth transition will allow efficient snow plowing and street cleaning.

1.09 CONCRETE ENTRANCE SLABS

A. All concrete entrance slabs at points of impaired accessibility to campus structures, or at other flush with finished floor conditions, shall be supported on structural foundations and tied to the structure in such a manner as to preclude vertical displacement through resistance to shear of concrete reinforcement, i.e., dowel reinforcement rods from entrance slab to structure and grout, if required.