TOWN OF WESTWOOD
PLANNING BOARD

BICYCLE PARKING DESIGN GUIDELINES

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PLANNING BOARD
TOWN OF WESTWOOD, MASSACHUSETTS
BICYCLE PARKING DESIGN GUIDELINES

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PLANNING BOARD
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BICYCLE PARKING DESIGN GUIDELINES

1.0 BICYCLE PARKING DESIGN REQUIREMENTS

All bicycle parking racks and facilities shall be designed and maintained in conformance with the design standards set forth below.

1.1 PURPOSE

These Bicycle Parking Design Guidelines are adopted by the Planning Board (Board) to establish uniform guidelines for the installation and maintenance of bicycle racks and bicycle parking facilities. The purpose of these standards is to provide for safe, secure, adequate, and usable bicycle facilities. Bicycle parking needs to be secure, visible, accessible, easy to use, convenient, and plentiful. Bicycle racks need to support the whole bike, not just one wheel, and enable the user to lock the frame and at least one wheel of the bike to the rack. When bicycle parking is not secure and convenient, cyclists won't use it and will park elsewhere where they feel their bikes will be safe.

1.2 DESIGN STANDARDS

All bicycle parking facilities shall meet the design standards set forth below:

1.2.1 Bicycle parking facilities shall contain a sufficient number of bicycle racks to adequately meet anticipated needs based upon the building and land uses. Use projections should be based not on previous usage, but upon increased demand when proper bicycle facilities are provided. Bicycle parking shall be deemed inadequate if the facilities are often substantially full or there is frequent parking of bicycles at other than the existing bicycle racks. In such cases, the Board may require bicycle parking accommodations to be increased to sufficiently satisfy demand.

1.2.2 Bicycle parking may be provided by bicycle racks, storage bins or lockers, interior accommodations and/or secure facilities, all of which may be located along sidewalks and pedestrian areas, within parking lots, or in indoor facilities.

1.2.3 Bicycle racks shall be designed to support bicycles of differing sizes and shapes in a stable upright position without the use of kickstands and without damage to wheels, frames or other bicycle components, and shall provide two points of support, and shall support both the frame and at least one wheel of each bicycle.

1.2.4 Bicycle racks shall be designed so that bicycle frames and wheels may be conveniently and securely locked to the rack using either a standard U-shaped shackle or cable lock.

1.2.5 Bicycle racks shall be of the "Inverted U", "Post & Loop", or "Coil" type unless an alternative design is found by the Board to otherwise meet all of the design standards set forth in this Section. See illustrations of acceptable and unacceptable designs in Figures 1 and 2.

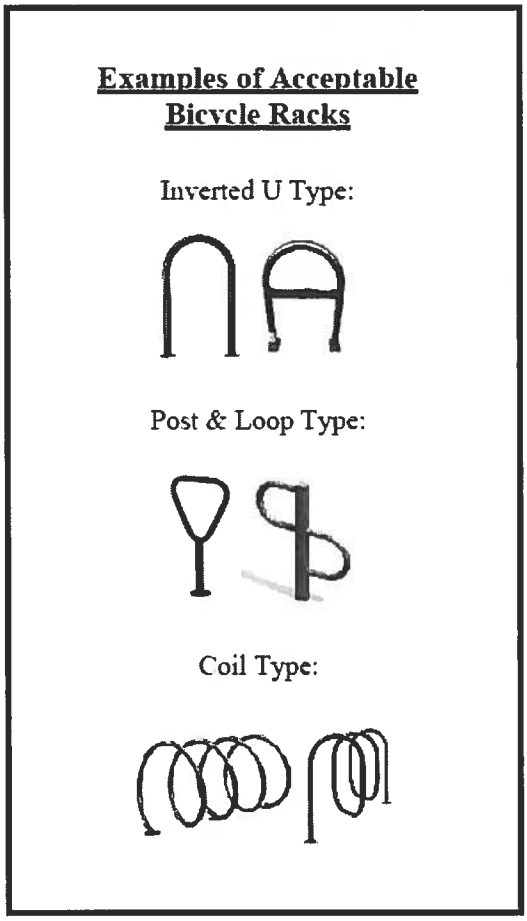

Figure 1

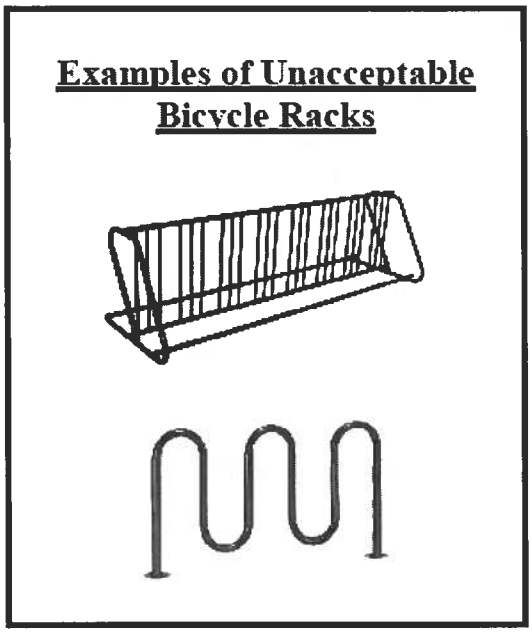

Figure 2

1.2.6 Bicycle parking facilities shall be harmonious with their environment both in color and design, and when possible, shall be incorporated into building design or street furniture.

1.2.7 Bicycle racks shall be constructed of 12 gauge steel, or other suitable materials of sufficient strength, durability and weather resistance.

1.2.8 Bicycle racks shall be permanently mounted in a concrete or concrete-based sidewalk or concrete or concrete-based surface area that is level and well drained. Mounting on asphalt, grass, sand, gravel, or stonedust is not allowed.

1.2.9 Bicycle parking facilities shall be designed so that each bicycle parked in said facility can be easily accessed without moving any other bicycle.

1.3 LOCATION STANDARDS

All bicycle parking facilities shall meet the location standards set forth below:

1.3.1 Bicycle parking facilities shall be located in highly visible and well-lighted areas to reasonably safeguard bicycles, preferably in view of occupants of the buildings or areas being served, and ideally located in an area that is monitored by security cameras or guards.

1.3.2 Bicycle parking facilities shall be located no more than 100 feet from, and preferably within 50 feet of the entrance to the buildings or areas they serve, and should be no further away from an entrance than the nearest automobile parking space.

1.3.3 Bicycle parking facilities shall not impede pedestrian or vehicular circulation, and when full, shall provide a minimum of 5 feet of unobstructed pedestrian clearance on sidewalks.

1.3.4 Bicycle racks shall be separated from automobile travel and automobile parking by curbing, bollards, or other barriers.

1.3.5 Bicycle racks shall be set back a sufficient distance from all walls, roads, driveways and automobile parking spaces so that no part of any bicycle parked at said rack would be within 2 feet of any wall, road, or driveway, nor within 4 feet of any automobile parking space.

1.3.6 Bicycle racks shall be set back a minimum of 2 feet from all signs, curbing, shrubbery, mailboxes, and other street furniture, and a minimum of 10 feet from fire hydrants.

1.3.7 Where multiple bicycle racks are installed, sufficient spacing and access aisles shall be provided between bicycle racks for convenient maneuvering of bicycles. Rows of racks shall be a minimum of 30" on center apart, and aisles between rows of racks shall have a minimum clearance of 48" between bicycles. See Figure 3.

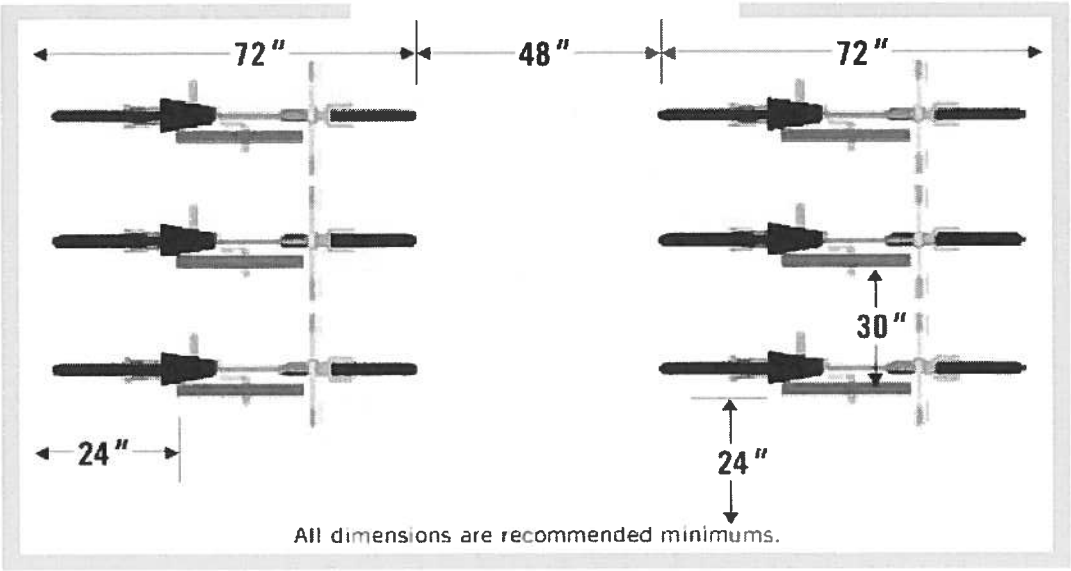

Figure 3

1.4 MAINTENANCE STANDARDS

All Bicycle parking facilities shall meet the maintenance standards set forth below:

1.4.1 Bicycle parking facilities shall be consistently maintained to present a clean, rust-free appearance and shall be kept free of debris.

1.4.2 Bicycle racks shall be repainted or recoated as necessary to maintain sufficient strength, durability and weather resistance.

1.4.3 Bicycle racks and surfaces under and immediately surrounding bicycle racks shall be kept clean and clear of obstructions.

1.5 WAIVERS

Where the provision of bicycle parking facilities in full conformance with these standards is not reasonably feasible, the Board may, at its discretion, waive or reduce some or all of these standards.

TOWN OF WESTWOOD PLANNING BOARD

Date: 9/3/13