

**ACTION REQUEST FORM**

**DATE:** December 19, 2008  
**TO:** The Honorable Mayor and City Council  
**FROM:** A. Paul Norby, FAICP, Director of Planning

**COUNCIL ACTION REQUEST:**

Request for Public Hearing on Zoning Text Amendment proposed by City-County Planning Board Staff

**SUMMARY OF INFORMATION:**

Zoning Text Amendment proposed by City-County Planning Board Staff amending Chapter B of the *Unified Development Ordinances* to reduce parking requirements for various uses and to revise bicycle parking standards. UDO-194.

**PLANNING BOARD ACTION:**

**MOTION ON PETITION:** APPROVAL  
**FOR:** UNANIMOUS  
**AGAINST:** NONE  
**SITE PLAN ACTION:** NOT REQUIRED

## STAFF REPORT

DOCKET # UDO-194

STAFF: [Kirk Ericson](#)

### **REQUEST**

This UDO text amendment is proposed by City-County Planning staff to amend chapter B of the *Unified Development Ordinances* to reduce parking requirements for various land uses and to revise bicycle parking standards.

### **BACKGROUND**

In response to the recently adopted Phase II Stormwater Requirements, City Council asked Planning Staff to consider the feasibility of reducing minimum parking requirements for various land uses as a means of encouraging reduced impervious surface coverage. Staff reviewed information on parking standards from the American Planning Association and other sources, and determined some land uses had existing UDO parking requirements which were higher when compared with municipalities across the Country. Staff also observed that many existing sites classified as these land uses were required to include more parking than was necessary. Staff recommends reducing parking requirements for these uses, which are primarily retail and office uses, by approximately 15%.

### **ANALYSIS**

Staff believes reducing parking standards for selected uses by approximately 15% will promote reduced impervious surface coverage in new developments and will also allow increased flexibility for re-using existing property, particularly in densely developed urban areas where land is limited. This ordinance also allows drive-through stacking lanes to be credited for minimum parking requirements. This provision is based on the knowledge that vehicles using these stacking lanes would otherwise be using parking spaces.

In addition to the aforementioned parking reductions, this ordinance also proposes a 5% reduction in minimum parking requirements in exchange for the inclusion of bicycle parking in a development project. The UDO currently allows a 2% parking reduction for the use of bicycle parking. Staff believes a greater parking reduction will promote the more frequent use of bicycle parking in new development and will provide the community with a greater variety of transportation options. Staff worked with the Bicycle and Pedestrian Coordinator for the Winston-Salem DOT to develop greater specificity in the bicycle parking standards of the UDO and revised the bicycle parking standards and dimensional requirements of the ordinance. Staff recommends approval of this text amendment.

### **RECOMMENDATION**

### **APPROVAL**

Kirk Ericson presented the staff report.

## **PUBLIC HEARING**

FOR:

Nancy Gould, 195 Executive Park Boulevard, Winston-Salem, NC 27103

- I think this is a good small step forward in trying to decrease impervious surface so that we can have more natural ways of helping with storm water management and improving the quality of our storm water and reducing the quantity that runs off site.
- I commend you and the Planning staff for pursuing this ordinance.
- In a way that we feel would make an even bigger difference, we would also encourage you, at some point in time, to look at our street standards to see if we could make ribbon paving more available. Right now we have to go to an Assistant City Manager to get approval and it would be nice to have some type of criteria such as the size of your subdivision that if you met certain criteria, you could use ribbon paving and natural ditches to catch some of the storm water and this would be a win-win situation for everyone.

AGAINST: None

## **WORK SESSION**

During discussion by the Planning Board, the following points were made:

1. It's amazing that we've come full circle here with storm water management philosophy.
2. Carol Eickmeyer: What impact would this have on churches? Kirk Ericson replied that churches are one of the uses that are not being changed, so the only way this would impact them is if they do bicycle parking. In that case they could have a 5% reduction in overall parking instead of a 2% reduction.
3. Carol Eickmeyer: I understand the need to change this, but we had a recent case where figuring parking for a church relied heavily on bicycle parking. Who rides a bicycle to church? They got credit for bicycle parking that no one uses.
4. Clarence Lambe: That will still reduce impervious surface.

MOTION: Clarence Lambe moved approval of the zoning map amendment.

SECOND: Jerry Clark

VOTE:

FOR: Jerry Clark, Wesley Curtis, Carol Eickmeyer, Arnold King, Arthur King, Clarence Lambe, Lynne Mitchell, Paul Mullican

AGAINST: None

EXCUSED: None

**UDO-194**  
**AN ORDINANCE AMENDING**  
**CHAPTER B OF THE *UNIFIED DEVELOPMENT ORDINANCES***  
**TO AMEND PARKING REQUIREMENTS**

Be it ordained by the City Council of the City of Winston-Salem, North Carolina, that the *Unified Development Ordinances* is hereby amended as follows:

**Section 1.** Chapter B, Article III of the UDO is amended as follows:

**3-3.2 OFF-STREET PARKING REQUIREMENTS**

**(A) Number of Spaces**

Table B.3.8 contains the parking requirements for motor vehicles. Special requirements, including maximum allowed spaces applicable to new uses constructed after the effective date of this Ordinance, are provided under the *Notes* column where appropriate.

**Chapter B - Zoning Ordinance**  
**Article III - Other Development Standards**

**3-3 PARKING, STACKING, AND LOADING AREAS**

**Table B.3.8**  
**PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
<b>RESIDENTIAL USES</b>		
Residential Building, Single Family	2 spaces per dwelling unit	
Duplex	2 spaces per dwelling unit	
Multifamily, Efficiency	1 space per dwelling unit	All visitor spaces shall be designated "visitor only". Single room occupancy (SRO) facilities are considered efficiencies.
1 Bedroom	1.5 spaces per dwelling unit	
2 Bedroom	1.75 spaces per dwelling unit	
3 Bedroom	2 spaces per dwelling unit	
Elderly Housing	0.75 spaces per dwelling unit	
Twin Home	2 spaces per dwelling unit	
Townhouse	See multifamily requirements	
Urban	1.5 spaces per dwelling unit	

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Manufactured Home, Class A	2 spaces per manufactured home	
Manufactured Home, Class B	2 spaces per manufactured home	
Manufactured Home, Class C	2 spaces per manufactured home	
Manufactured Home, Class D	2 spaces per manufactured home	
Boarding or Rooming House	1 space per bedroom plus two spaces for resident manager	
Combined Use	Spaces required based on sum of principal uses	
Congregate Care Facility	0.5 spaces per dwelling unit	
Family Group Home A	2 spaces	
Family Group Home B	1 space per 3 residents	
Family Group Home C	1 space per 4 residents	
Fraternity or Sorority	1 space per bedroom plus two spaces for resident manager	
Group Care Facility	1 space per 4 residents	Parking shall not be located within the required front yard setback
Life Care Community	Spaces required based on sum of principal uses, except 1 space per single family, duplex, twin home, or townhouse dwelling unit	
Manufactured Housing Development	1.5 spaces per manufactured home	A minimum of one space shall be located within the applicable manufactured home space. Additional required parking may be located in group parking areas no further than 150 feet from units being served.
Planned Residential Development	Spaces required based on sum of principal uses	
<b>AGRICULTURAL USES</b>		
Agricultural Production, Crops (W)	None	
Livestock (W)	None	
Agricultural Production, Crops (F)	None	
Livestock (F)	None	

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Animal Feeding Operation	2 spaces per 3 employees plus 1 space	
Fish Hatchery	2 spaces per 3 employees plus 1 space	
<b>RETAIL AND WHOLESALE TRADE</b>		
ABC Store (liquor)	1 space per <del>250</del> <u>300</u> SF GFA*	
Arts and Crafts Studio	1 space per <del>400</del> <u>450</u> SF GFA*	
Building Materials Supply	1 space per <del>500</del> <u>575</u> SF GFA*	
Bulk Storage of Petroleum Products	1 space per <del>5,000</del> <u>5,750</u> SF of land	
Convenience Store	1 space per <del>200</del> <u>225</u> SF GFA*; restaurant area including seating area inside or outside of the building – 1 space per <del>75</del> <u>100</u> SF GFA*	
Food or Drug Store	1 space per <del>200</del> <u>225</u> SF GFA*	
Fuel Dealer	2 spaces per 3 employees plus 1 space	
Furniture and Home Furnishings Store	1 space per <del>1,000</del> <u>1,150</u> SF GFA*	
General Merchandise Store	1 space per <del>200</del> <u>225</u> SF GFA*, except consumer electronics @ 1 space per <del>250</del> <u>300</u> SF GFA* and household appliance @ 1 space per <del>500</del> <u>575</u> SF GFA*	
Hardware Store	1 space per <del>200</del> <u>225</u> SF GFA*	
Implement Sales and Service	1 space per <del>750</del> <u>850</u> SF GFA*	
Motor Vehicle Dismantling and Wrecking Yard	1 space per <del>10,000</del> <u>11,500</u> SF of land plus 1 space per employee	Customers may park outside the fenced area but not within the right-of-way
Motorcycle Dealer	1 space per <del>500</del> <u>575</u> SF GFA*	
Nursery, Lawn and Garden Supply Store, Retail	1 space per <del>400</del> <u>450</u> SF GFA* indoors plus 1 space per 1,000 SF GFA* in outside display and storage	
Outdoor Display Retail	1 space per <del>500</del> <u>575</u> SF GFA*	
Restaurant (without drive-through service)	1 space per <del>75</del> <u>100</u> SF GFA*; restaurants with take out service only (no seating) – 1 space per <del>200</del> <u>225</u> SF GFA*	
Restaurant (with drive-through service)	1 space per <del>75</del> <u>100</u> SF GFA*; restaurants with take out service only (no seating) – 1 space per <del>200</del> <u>225</u> SF GFA*	See stacking requirements, Section B.3-3.3(F)
Retail Store, Specialty or Miscellaneous	1 space per <del>500</del> <u>575</u> SF GFA*, except auto supply store @ 1 space per <del>300</del> <u>350</u> SF GFA*	
Shopping Center, Centers up to 250,000 SF GFA*	1 space per <del>225</del> <u>275</u> SF GFA*	1 space per 200 SF GFA* maximum; calculation of GFA* shall exclude walkways or other common or non-commercial areas

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Centers 250,000 SF GFA* or more	1 space per <del>250</del> <u>300</u> SF GFA*	1 space per 200 SF GFA* maximum; calculation of GFA* shall exclude walkways or other common or non-commercial areas
Wholesale Trade A	2 spaces per 3 employees plus 1 space per vehicle used in the operation	
Wholesale Trade B	2 spaces per 3 employees plus 1 space per vehicle used in the operation	
<b>BUSINESS AND PERSONAL SERVICES</b>		
Adult Establishment	1 space per <del>200</del> <u>225</u> SF GFA*	1 space per <del>75</del> <u>100</u> SF GFA* for establishment with live entertainment
Banking and Financial Services	1 space per <del>200</del> <u>225</u> SF GFA* for depository institutions; 1 space per <del>300</del> <u>350</u> SF GFA* for non-depository institutions	See stacking requirements, Section B.3-3.3(F)
Bed and Breakfast	1 space per room plus 2 spaces	
Building Contractors, General	1 space per <del>750</del> <u>875</u> SF GFA*	
Building Contractors, Heavy	1 space per <del>750</del> <u>875</u> SF GFA*	
Car Wash, Full Service	2 spaces per 3 employees	3 spaces per vehicle in washing structure for dry down area
Self Service or Accessory	2 spaces	1 space per bay for dry down area
Funeral Home	1 space per 4 seats in main chapel plus 2 spaces	
Health Services, Miscellaneous	1 space per <del>200</del> <u>225</u> SF GFA*	
Hotel or Motel	1 space per room	Banquet and convention facilities that are part of a hotel or motel shall provide 1 space per each 5 seats
Kennel	1 space per <del>300</del> <u>350</u> SF GFA* plus 2 spaces	
Medical or Dental Laboratory	1 space per <del>200</del> <u>225</u> SF GFA* for building containing 10,000 SF or less; 1 space per <del>250</del> <u>300</u> SF GFA* for building containing more than 10,000 SF	
Medical and Surgical Offices	1 space per <del>200</del> <u>225</u> SF GFA* for building containing 10,000 SF or less; 1 space per <del>250</del> <u>300</u> SF GFA* for building containing more than 10,000 SF	
Motor Vehicle, Rental and Leasing	1 space per <del>400</del> <u>450</u> SF GFA*	Customer parking shall not be used for motor vehicle rental and leasing parking
Repair and Maintenance	3 spaces per service bay plus 1 space per <del>500</del> <u>575</u> SF GFA* for parts sales	Towing services shall provide space(s) for each tow truck
Body or Paint shop	3 spaces per service bay plus 1 space per <del>500</del> <u>575</u> SF GFA* for parts sales	Towing services shall provide space(s) for each tow truck

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Storage Yard	1 space per <del>5,000</del> <u>5,750</u> SF of storage area	
Non-Store Retailer	1 space per <del>800</del> <u>925</u> SF GFA*	
Offices, Miscellaneous	1 space per <del>400</del> <u>450</u> SF GFA*	
Professional Offices	1 space per <del>300</del> <u>350</u> SF GFA*	
Services, Business A	1 space per <del>400</del> <u>450</u> SF GFA*; Computer Data Center – 1 space per <del>6,000</del> <u>7,000</u> SF GFA*	Any change of use of a site previously utilized as a Computer Data Center must meet the off-street parking requirements of the new use as specified in this table.
Services, Business B	1 space per <del>500</del> <u>575</u> SF GFA*	
Services, Personal	1 space per <del>400</del> <u>450</u> SF GFA*	
Signs, Off-Premises	None	
Storage Services, Retail	5 spaces, plus 1 additional space for each <del>400</del> <u>125</u> storage units, or fraction thereof, in excess of 500 units.	Minimum 21-foot wide aisle width or building spacing shall be provided for parking at units.
Testing and Research Laboratory	1 space per <del>1,000</del> <u>1,150</u> SF GFA*	
Veterinary Services	1 space per <del>400</del> <u>450</u> SF GFA*	
Warehousing	2 spaces per 3 employees plus 1 space per vehicle used in the operation	
Fishing, Fee Charged	2 spaces per acre of water area	Parking shall be located not less than one hundred (100) feet from any right-of-way or property line.
Golf Course	4 spaces per tee	
Golf Driving Range	1 space per tee plus 1 space per <del>200</del> <u>225</u> SF GFA* for retail uses	
Recreation Facility, Public	1 space per <del>7,500</del> <u>8,750</u> SF land area in GMA 1, 2 and 3; 1 space per <del>5,000</del> <u>5,750</u> SF land area in GMA 4 and 5	
Recreation Services, Indoor, Billiard Parlors	2 spaces per table	
Bowling Alleys and Centers	4.5 spaces per alley	
Coin-Operated Amusement Devices	1 space per <del>200</del> <u>225</u> SF GFA*	
Dance Studios, Schools, and Halls	1.5 spaces per <del>200</del> <u>225</u> SF GFA*	
Membership Sports and Recreation Clubs	1 space per <del>200</del> <u>225</u> SF GFA*	
Miniature Golf	1 space per hole	



**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Physical Fitness Facilities	1 space per <del>200</del> <u>225</u> SF GFA*	
Skating Rinks	1 space per <del>200</del> <u>225</u> SF GFA*	
Theatrical Productions	1 space per 4 seats	
Recreation Services, Outdoor Amusement Parks	1 space per <del>200</del> <u>225</u> SF of activity area	
Commercial Sports	1 space per 3 seats	
Recreational Vehicle Park	1 space per recreational vehicle site	
Riding Stable	1 space per 2 stalls	
Shooting Range, Indoor	1 space per firing station	
Shooting Range, Outdoor	1 space per firing station	
Swimming Pool, Private	1 space per <del>400</del> <u>125</u> SF of pool surface area, except for a pool serving one single family residence on the same lot	
Theater, Drive-In	1 space per vehicle speaker plus 3 spaces	Stacking spaces shall be provided for five percent (5%) of the total spaces required
Theater, Indoor	1 space per 4 seats	
<b>INSTITUTIONAL AND PUBLIC USES</b>		
Academic Biomedical Research Facility	1 space per <del>4,000</del> <u>1,150</u> SF GFA* of Laboratory and Office space	
Adult Day Care Home	1 space per 2 employees plus 1 space	At least 1 loading and unloading space separate from parking area plus adequate turnaround area
Adult Day Care Center	1 space per 2 employees plus 1 space per 10 persons enrolled	At least 1 loading and unloading space separate from parking area plus adequate turnaround area
Cemetery, Licensed	1 space per <del>250</del> <u>300</u> SF of sales area	
Cemetery, Unlicensed	1 space per full time employee	
Child Care Institution	1 space per 3 beds	
Child Day Care, Small Home	1 space per 2 employees plus 1 space	
Child Day Care, Large Home	1 space per 2 employees plus 1 space	At least 1 loading and unloading space separate from parking area plus adequate turnaround area
Child Day Care Center	1 space per 2 employees plus 1 space per 10 children enrolled	At least 1 loading and unloading space per 20 children enrolled, separate from parking area, plus adequate turnaround area
Church or Religious Institution, Neighborhood	1 space per 4 seats	50% reduction permitted with approval of City Department of Transportation

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Church or Religious Institution, Community	1 space per 4 seats	50% reduction permitted with approval of City Department of Transportation
Club or Lodge	1 space per <del>200</del> <u>225</u> SF GFA*	
College or University	1 space per <del>500</del> <u>575</u> SF of classroom plus 1 space per <del>300</del> <u>350</u> SF GFA* of administrative and office space plus 1 space per dormitory bedroom	
Correctional Institution	1 space per 10 inmates	
Dirt Storage	2 spaces	Adequate loading, unloading, and maneuvering area
Government Offices	1 space per <del>300</del> <u>350</u> SF GFA*	
Habilitation Facility A	1 space per 2 employees plus 1 space per 10 persons enrolled	At least 1 loading and unloading space separate from parking area plus adequate turnaround area
Habilitation Facility B	1 space per 2 employees plus 1 space per 10 persons enrolled	At least 1 loading and unloading space separate from parking area plus adequate turnaround area
Habilitation Facility C	1 space per 2 employees plus 1 space per 10 persons enrolled	At least 1 loading and unloading space for each 20 persons enrolled plus adequate turnaround area
Hospice and Palliative Care	1 space per <del>500</del> <u>575</u> SF GFA*	
Hospital or Health Center	3 spaces per bed; if no beds, a space per <del>200</del> <u>225</u> SF GFA*	
Institutional Vocational Training Facility	1 space per <del>1,000</del> <u>1,150</u> SF GFA*	Except 1 space for 500 SF GFA* for retail sales areas
Landfill, Sanitary	1 space per employee	
Library	1 space per <del>300</del> <u>350</u> SF GFA*	
Limited Campus Uses, Office	1 space per <del>400</del> <u>475</u> SF GFA*	All spaces shall be to the rear of the structure
Residential	See Residential Uses	All spaces shall be to the rear of the structure
Museum or Art Gallery	1 space per <del>500</del> <u>575</u> SF GFA*	
Neighborhood Organization Office	1 space per <del>400</del> <u>475</u> SF GFA*	
Nursing Care Institution	1 space per 3 beds	
Police or Fire Station	1 space per employee on largest shift plus 5 spaces	
Post Office	1 space per <del>300</del> <u>350</u> SF GFA*	
Postal Processing Facility	1 space per <del>1,000</del> <u>1,150</u> SF GFA*	
Recycling Center	1 space per employee	

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
School, Public or Private, Elementary	1 space per 10 students based on design capacity	
Middle	1 space per 10 students based on design capacity	
High	1 space per 5 students based on design capacity plus 1 space for each faculty and staff person	
School, Vocational or Professional	1 space per <del>250</del> <u>300</u> SF GFA*	
Stadium or Coliseum	1 space per each 3 seats	
<b>MANUFACTURING AND MINING</b>		
Manufacturing A	2 spaces per 3 employees plus 1 space per vehicle used in the operation	
Manufacturing B	2 spaces per 3 employees plus 1 space per vehicle used in the operation	
Manufacturing C	2 spaces per 3 employees plus 1 space per vehicle used in the operation	
Asphalt and Concrete Plant	1 space per employee	
Borrow Site	1 space	Adequate loading, unloading, and maneuvering area
Hazardous Waste Management Facility	1 space per employee	
Meat Packing Plant	1 space per <del>1,000</del> <u>1,150</u> SF GFA*	
Mining, Quarry, or Extractive Industry	1 space per employee	
Recycling Plant	1 space per employee plus two spaces	
Storage and Salvage Yard	1 space per <del>5,000</del> <u>5,750</u> SF of storage area	
<b>TRANSPORTATION AND UTILITIES</b>		
Airport, Public	1 space per <del>200</del> <u>225</u> SF of waiting area	
Airport, Private	3 spaces per airplane space	
Broadcast Studio	1 space per <del>500</del> <u>575</u> SF GFA*	
Helistop, Noncommercial	2 spaces	
Commercial	5 spaces	
Heliport	1 space per <del>1,000</del> <u>1,150</u> SF of site area	
Park and Shuttle Lot	As needed	10% of requested space in business and industry can be used for Park and Shuttle Lots
Parking, Commercial	As needed	

**Table B.3.8  
PARKING REQUIREMENTS**

PRINCIPAL USES	MINIMUM REQUIREMENTS	NOTES
Terminal, Bus or Taxi	3 spaces plus 1 space for each vehicle used in operation	
Terminal, Freight	1 space per <del>4,000</del> 1,150 SF GFA*	
Transmission Tower	1 space	
Utilities	1 space per employee	
<b>USES WHICH MAY ONLY BE ACCESSORY TO PRINCIPAL USES**</b>		
Dwelling, Single Family, Accessory Attached	1 space per dwelling	Must be located on the same zoning lot and share same driveway as the principal dwelling
Dwelling, Single Family, Accessory Detached	1 space per dwelling	Must be located on the same zoning lot
Home Occupation	1 space per dwelling	Maximum of three spaces
Postal Facility, Neighborhood	1 space per <del>300</del> 350 SF GFA*	

\* SF GFA equals Square Feet of Gross Floor Area – see Section B.3-3.2(B)(5)

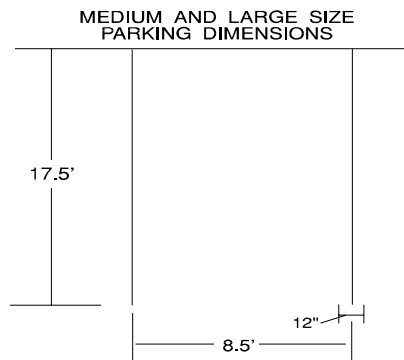
\*\* Off-street parking for other accessory uses meeting the requirements of Section B.2-6 shall be provided at the rate for the principal uses specified in this table.

**3-3.3 DESIGN STANDARDS FOR PARKING AREAS**

**(B) Dimensional Requirements**

All parking areas shall be designed and constructed to meet minimum parking space dimensions, aisle dimensions, and other standards shown in Table B.3.9. Aisle widths for aisles composed of combinations of different angles of parking shall be the widest aisle width required for any angle of parking found on the entire aisle.

- (1) Medium and Large-Size Motor Vehicle Spaces.** Each medium or large-size motor vehicle parking space shall be an unobstructed rectangle of not less than eight and one-half (8.5) feet in width by seventeen and one-half (17.5) feet in length. Medium and large-size motor vehicles are those with an overall length of fifteen (15) feet or greater.



- (2) Compact-Size Motor Vehicle Spaces.** Each compact parking space shall be an unobstructed rectangle of not less than seven and one-half (7.5) feet in width by

fifteen (15) feet in length. Compact-size motor vehicle spaces are those with an overall length of fifteen (15) feet or less.

- (3) **Motorcycle Spaces.** A motorcycle parking space shall be a minimum of four and one-half (4.5) feet in width by seven (7) feet in length.
- (4) **Bicycle Spaces.** A bicycle parking space (accommodation for a minimum of two (2) bicycles) shall be a minimum of ~~two and one-half (2.5)~~ five (5) feet in width by six (6) feet in length. Bicycle racks (accommodating a minimum of two (2) bicycles) shall be installed with adequate space ~~(one two and one-half (2.5) foot minimum)~~ beside the parked bicycle allowing a bicyclist to reach and operate a locking mechanism. There shall be at least two (2) feet of clearance beside each parked bicycle when multiple racks are installed.

A bicycle parking space shall be a located minimum of two and one-half (2.5) feet from any permanent object or curb to allow for adequate maneuvering space for the bicyclist and for motorists accessing parked vehicles. Additionally, there shall be a minimum five (5) foot clear pedestrian zone adjacent to the bicycle parking space.

- (5) **Recreational Vehicle Spaces.** A recreational vehicle parking space shall be a minimum of ten (10) feet in width by twenty-five (25) feet in length.
- (6) **Parking Structures.** In parking structures, aisle and stall dimensions may be reduced in accordance with the *Recommended Guidelines for Parking Geometrics*, published by the National Parking Association (August 1989) or as subsequently amended.
- (7) **Disabled Parking.** Please see Volume 1C of the North Carolina Building Code.

**(F) Drive-Through Facility Stacking Lanes**

- (1) **Number.** ~~In addition to the parking required by this Article,~~ Drive-through drive-through facilities requiring stacking lanes shall be provided as follows:

Number of Lanes	Number of Spaces per Lane
1	5
2	5
3	4
4 or more	3

- (2) **Width.** Each lane of stacking space shall be a minimum of nine (9) feet in width and must be delineated with pavement markings.
- (3) **Length.** Each stacking space shall be a minimum of sixteen (16) feet in length, however, individual spaces within the lane shall not be delineated with pavement markings.

- (4) **No Conflict of Use.** Stacking lanes shall not interfere with access to required parking or ingress or egress from a public street.
- (5) **Automatic Teller Machines.** Automatic teller machines located in parking areas of shopping centers or on internally oriented out lots are not required to provide stacking spaces.
- (6) **Relationship to Required Parking.** Drive-Through stacking lanes shall be counted towards the minimum number of required parking spaces for all uses.

### 3-3.5 ALTERNATIVES AND INCENTIVES

#### (G) Bicycle Parking

- (1) **Maximum Amount.** For all uses, the property owner may design and construct up to a maximum of ~~two~~ five percent (2%) (5%) of the required number of parking spaces as bicycle stalls in accordance with the dimensions provided in Section B.3-3.3(B)(4). Accommodation for two bicycles shall be provided for each parking space being replaced.
- (2) **Location.** Bicycle parking stalls and racks shall be located to be highly visible from the street or building entrance from where bicyclists approach. Bicycle racks shall not be installed in isolated locations but shall be located within fifty (50) feet of ~~near~~ the main entrance(s) of the building for which they are intended or in a comparably convenient location where there is constant pedestrian traffic, except up to one-third (1/3) of the bicycle parking provided may be placed at convenient locations for employees and residents. Bicycle racks may be installed on public rights-of-way with prior approval from the City of Winston-Salem Public Works Director.
- (3) **Use.** Bicycle racks shall be for use by the general public as well as employees and residents.
- (4) **Separation from Motor Vehicle Parking.** Bicycle parking areas shall be separated from motor vehicle parking areas (automobiles, trucks, motorcycles, etc.) by at least a curb barrier which would prevent vehicles from damaging bicycles.
- (5) **Bicycle Rack Design.** Bicycle racks shall be designed to be capable of supporting the bicycle in an upright position. Bicycle racks shall be securely anchored to the supporting surface(s). Bicycle racks shall be at least three (3) feet in height unless the bicycle parking area is surrounded by a railing, hedge, or wall three (3) feet in height which is readily visible to pedestrians.

**Section 2.** This ordinance shall be effective upon adoption.