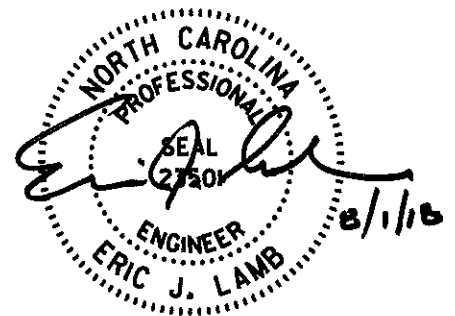


# CITY OF RALEIGH

## STANDARD DETAILS



# BICYCLE FACILITIES

PLACE BIKE LANE MARKINGS AT THE BEGINNING OF EACH BIKE LANE SEGMENT - I.E. AFTER EVERY INTERSECTION AND MAJOR DRIVEWAY AND WHERE BIKE LANES END.

CONSIDER ADDITIONAL BIKE LANE MARKINGS AS NEEDED TO CLEARLY DELINEATE THE BIKE LANE ON A CASE-BY-CASE BASIS. DESIRED SPACING IS 250' IN DOWNTOWN RALEIGH AND 500' ELSEWHERE.

WHERE ADJACENT TO THE EDGE OF  
PAVEMENT, THE BIKE LANE WIDTH  
(EXCLUDING THE GUTTER PAN)  
SHOULD BE: 5' DESIRED  
4' MINIMUM

WHERE THE BIKE LANE ENDS AT MID-BLOCK LOCATIONS, PLACE "BIKE LANE ENDS" SIGNAGE AT THE BEGINNING OF THE BIKE LANE MINUSKIPS.

USE 2' DASHED WITH 6' GAPS TO  
END BIKE LANES AND INDICATE  
CONFLICT ZONES, E.G. AT BUS STOPS.

END BIKE LANE AND PLACE SHARED  
LANE MARKINGS IN THE CENTER OF  
THE TRAVEL LANE THROUGH A  
MEDIAN AREA

THE PARKING LANE WIDTH  
(INCLUDING THE GUTTER PAN)  
SHOULD BE : 8' DESIRED  
7.5' MINIMUM

WHERE ADJACENT TO A PARKING  
LANE, THE BIKE LANE WIDTH SHOULD  
BE: 5' MINIMUM, 6' DESIRED  
2' STRIPED BUFFER DESIRED

CITY OF RALEIGH	
STANDARD DETAIL	
REVISIONS	DATE: 8/1/18 NOT TO SCALE
	BIKE LANE SIGNS AND MARKINGS
	<b>B-10.01</b>

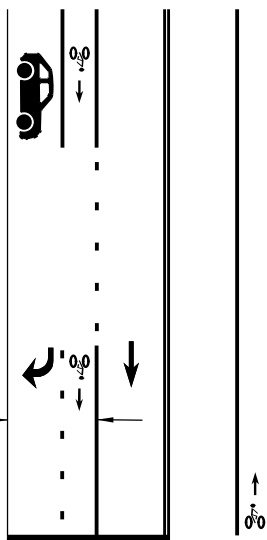


WHERE PAVEMENT WIDTH DOES NOT ALLOW FOR BOTH A DEDICATED BIKE LANE AND DEDICATED RIGHT TURN LANE APPROACHING THE STOP BAR, USE OF A COMBINED BIKE LANE/RIGHT-TURN LANE IS PERMITTED.

PLACE SHARED LANE MARKINGS AT THE BEGINNING AND END ON THE LEFT SIDE OF THE COMBINED LANE.

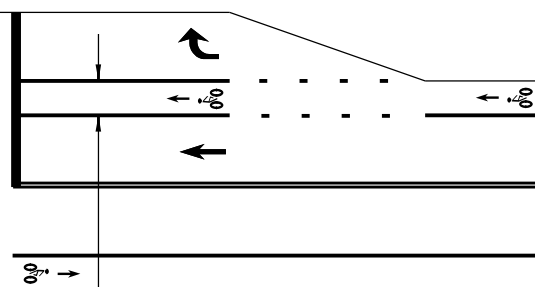
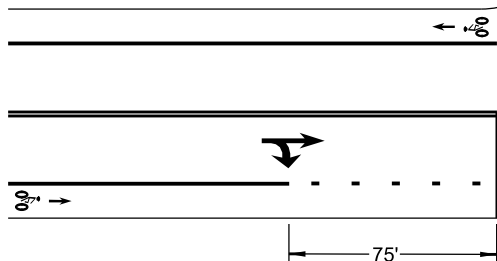
THE WIDTH OF THE COMBINED BIKE  
LANE/RIGHT-TURN LANE SHOULD BE:  
9' MINIMUM  
13' MAXIMUM

PLACE "EXCEPT BIKES" SUPPLEMENTAL  
PLACARD TO ANY" RIGHT TURN ONLY"  
SIGNAGE.



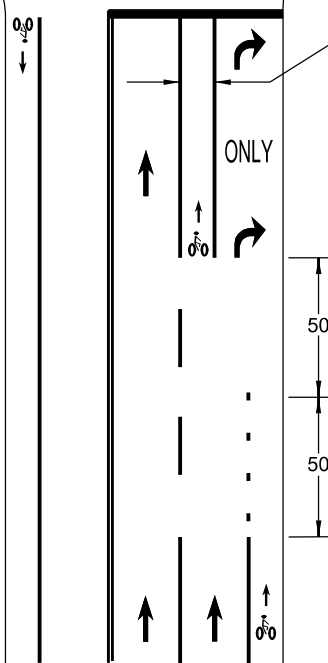
USE BIKE LANE MINI-SKIPS  
THROUGH THE RIGHT-TURN LANE  
TAPER. THE BIKE LANE SHOULD  
CONTINUE TO THE LEFT OF THE RIGHT  
TURN LANE APPROACHING THE  
INTERSECTION.

PLACE "BEGIN RIGHT TURN YIELD TO BIKES" SIGNAGE AT BEGINNING OF RIGHT-TURN TAPER.



APPROACHING A SIGNALIZED INTERSECTION OR AN UNSIGNALIZED INTERSECTION WITH A RIGHT-TURN PEAK HOUR VOLUME GREATER THAN 100 VEHICLES, USE BIKE LANE MINI-SKIPS. "TURNING VEHICLES YIELD TO BIKES" SIGNAGE MAY BE USED.

ELSEWHERE, STRIPE THE BIKE LANE  
TO THE STOP BAR.



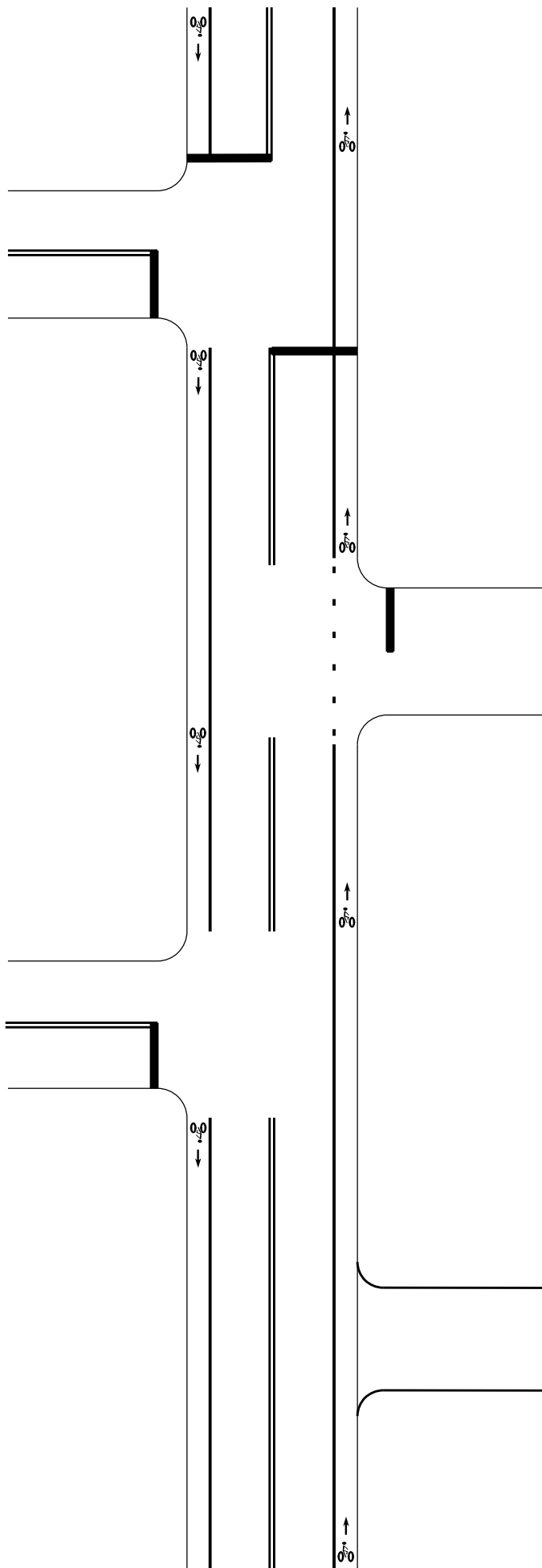
WHERE ADJACENT TO A RIGHT TURN  
LANE, THE BIKE LANE WIDTH  
SHOULD BE: 6' DESIRED  
4' MINIMUM

REFER TO NCDOT STANDARDS 1205.06,  
SHEET 1of 5, FOR FOR TURN ARROW  
AND TEXT SPACING

USE MINI-SKIPS TO END THE BIKE LANE AT THE RIGHT-TURN LANE TRANSITION AND THEN CONTINUE BIKE LANE TO THE LEFT OF THE RIGHT-TURN LANE APPROACHING THE INTERSECTION.

USE 2' DASHED WITH 6' GAPS TO  
END BIKE LANES AND INDICATE  
CONFLICT ZONES.

CITY OF RALEIGH	
STANDARD DETAIL	
REVISIONS	DATE: 8/1/18 NOT TO SCALE
	BIKE LANE SIGNS AND MARKINGS APPROACHING INTERSECTIONS
	<b>B-10.03</b>



## INTERSECTIONS

DISCONTINUE BIKE LANE MARKINGS THROUGH SIGNALIZED AND UNSIGNALIZED INTERSECTIONS.

WHERE CONDITIONS WARRANT (LONG CROSSING DISTANCES, TRAVEL LANE OFFSETS, HIGH RIGHT-TURN VOLUMES, ETC.), MINI-SKIPS AND BIKE LANE MARKINGS MAY BE USED THROUGH THE INTERSECTION.

AT T-INTERSECTIONS, A BIKE LANE AT THE "TOP" OF THE "T" SHOULD BE STRIPED SOLID THROUGH THE INTERSECTION.

## MAJOR DRIVEWAYS

USE BIKE LANE MINI-SKIPS AT HIGH-VOLUME DRIVEWAYS, E.G. RETAIL CENTERS, APARTMENTS, ETC.

## MINOR DRIVEWAYS

USE SOLID BIKE LANE STRIPING AT LOW-VOLUME DRIVEWAYS, E.G. SINGLE-FAMILY HOMES, FARMS, ETC.

### CITY OF RALEIGH STANDARD DETAIL

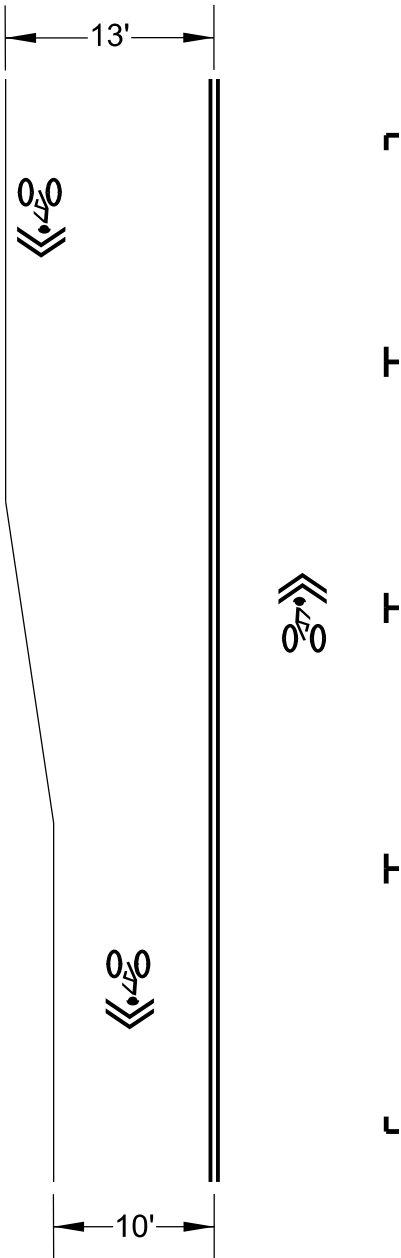
REVISIONS	DATE: 8/1/18	NOT TO SCALE
	BIKE LANE MARKINGS THROUGH INTERSECTIONS AND DRIVEWAYS	
	<b>B-10.04</b>	

**PLACEMENT AND SPACING**  
PLACE SHARED LANE MARKINGS AFTER EVERY  
INTERSECTION AND MAJOR HIGHWAYS.

ADDITIONALLY, PLACE SHARED LANE MARKINGS EVERY  
150' IN DOWNTOWN RALEIGH AND 250' ELSEWHERE.

**WIDE LANES**

WHERE THE TRAVEL LANE WIDTH IS  
13', PLACE SHARED LANE MARKINGS  
4' FROM THE EDGE OF PAVEMENT  
(MEASURED FROM THE APEX OF THE  
CHEVRON), EXCLUDING THE GUTTER  
PAN.  
  
WHERE THE TRAVEL LANE WIDTH IS  
14' OR WIDER, INSTALL BIKE LANE  
MARKINGS.



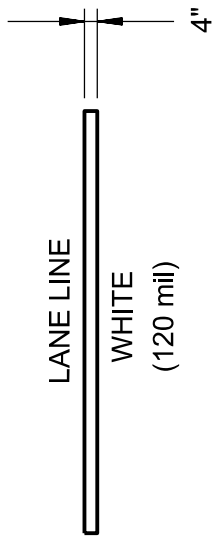
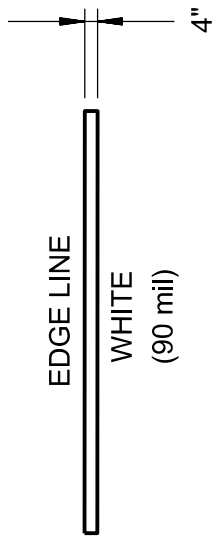
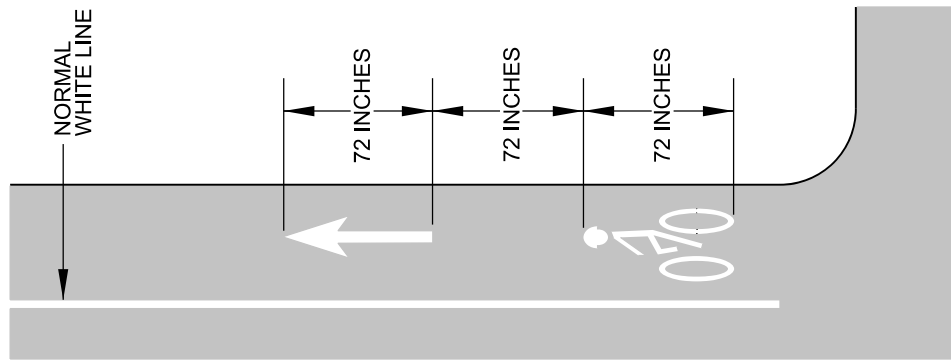
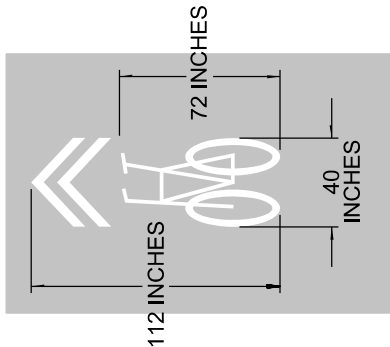
**NARROW LANES OR ADJACENT TO  
PARKING LANES**

WHERE THE TRAVEL LANE WIDTH IS  
LESS THAN 13' OR WHERE ADJACENT  
TO PARKING LANES, PLACE SHARED  
LANE MARKINGS IN THE CENTER OF  
THE TRAVEL LANE.

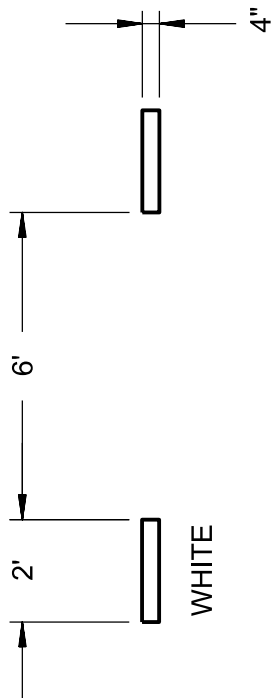
**STREET CRITERIA**

- SHARED LANE MARKINGS DO NOT ESTABLISH A BICYCLE FACILITY AND SHOULD ONLY BE USED WHEN ONE OR MORE OF THE CONDITIONS APPLY:
- THE POSTED SPEED LIMIT OR PREVAILING SPEED IS 25 MPH OR LESS.
  - THE AVERAGE DAILY TRAFFIC VOLUME IS 4,000 VEHICLES OR LESS.
  - PLACEMENT THROUGH MEDIAN AREAS OR COMBINED BIKE LANE/RIGHT-TURN LANE.
  - INSTALLATION PAIRED WITH TRAFFIC CALMING MEASURES, WAYFINDING SIGNAGE, AND INTERSECTION TREATMENTS TO ESTABLISH A NEIGHBORHOOD BIKEWAY.

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 8/1/18	NOT TO SCALE
	SHARED LANE SIGNS & MARKINGS	
	<b>B-10.05</b>	



2'-6"/SP MINI-SKIP LINE



**CITY OF RALEIGH**  
**STANDARD DETAIL**

REVISIONS	DATE: 8/1/18	NOT TO SCALE
	BICYCLE MARKING	
	<b>B-10.06</b>	



R3-17



R3-17bP



R4-4



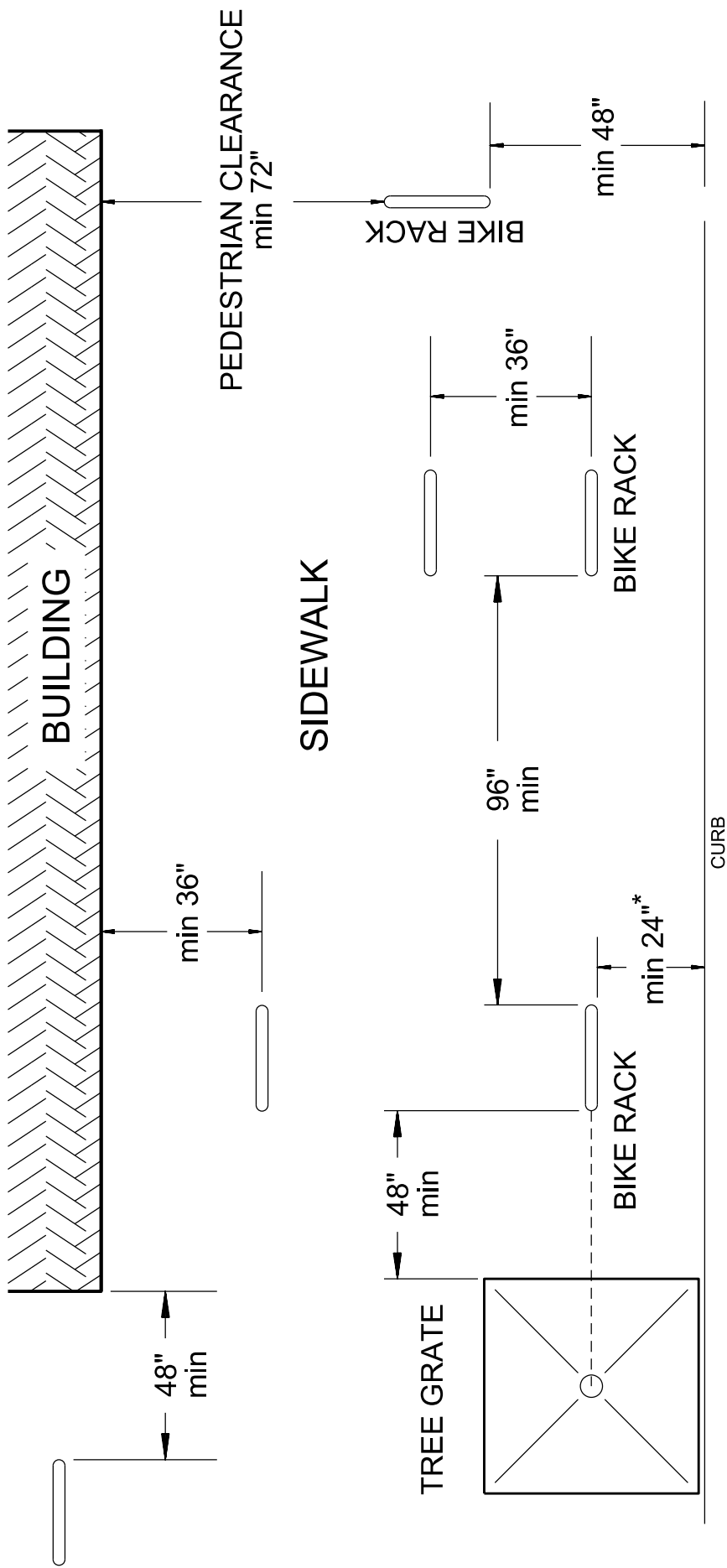
R10-15 MODIFIED



R7-9

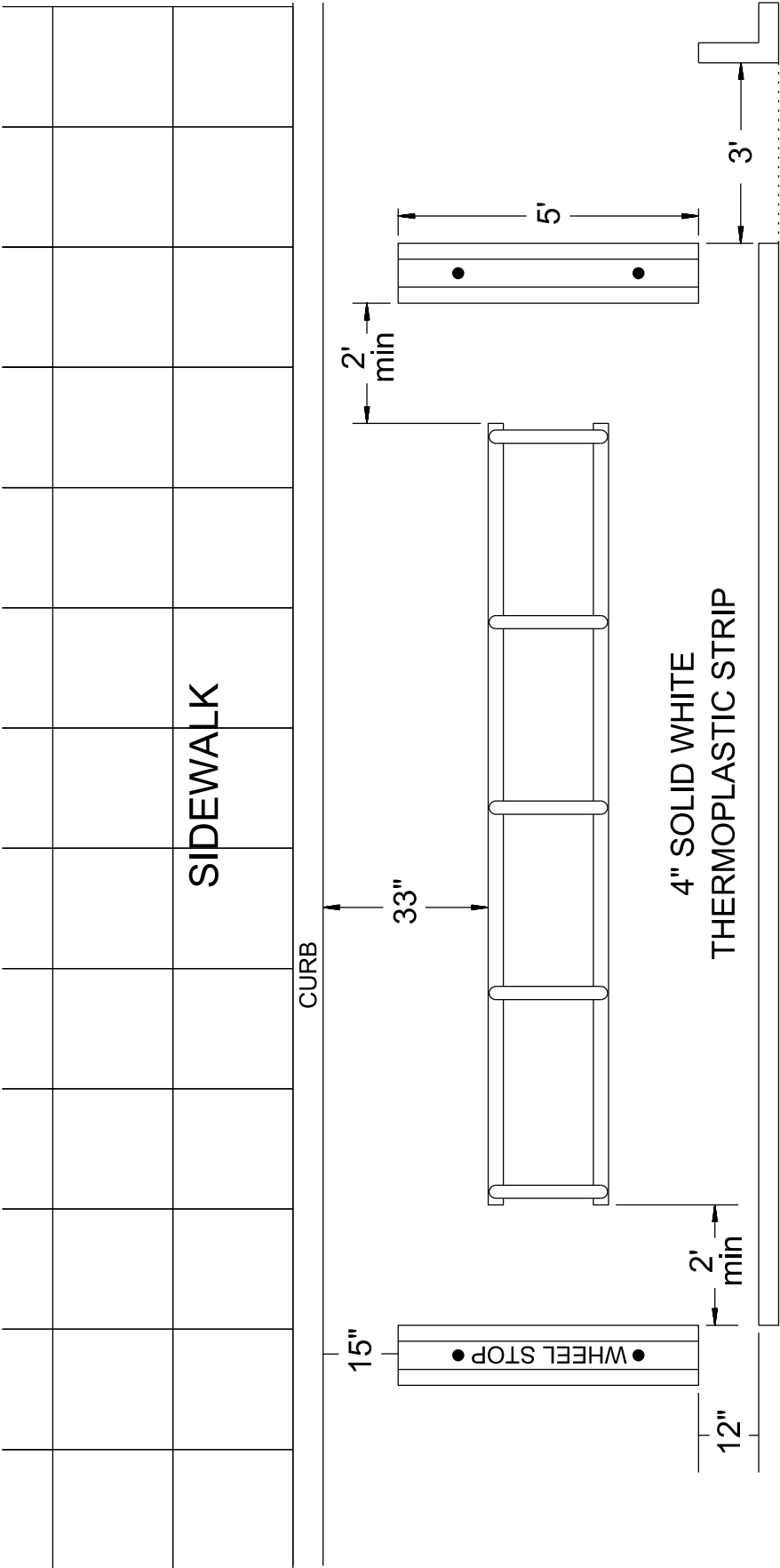
CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 8/1/18	NOT TO SCALE
	BICYCLE SIGNS	
	<b>B-10.07</b>	





\* BIKE RACK TO BE CENTERED WITH EXISTING INFRASTRUCTURE BUT NO LESS THAN 24" FROM BACK OF CURB

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 8/1/18	NOT TO SCALE
	BIKE RACK PLACEMENT	
	<b>B-20.01</b>	



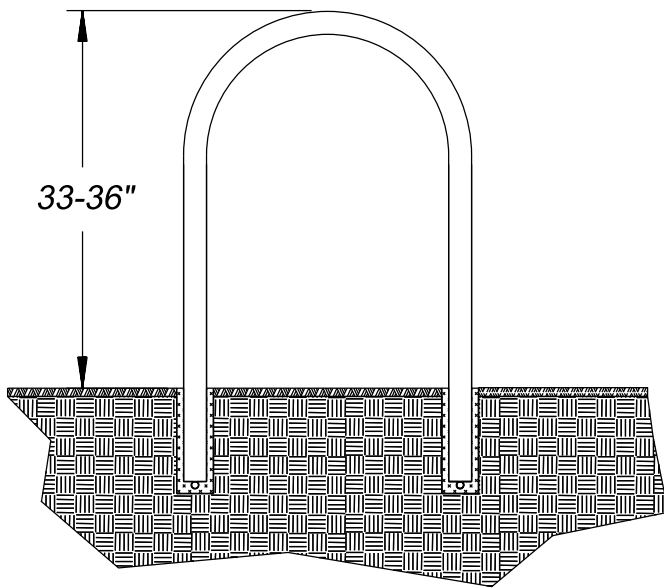
PARKING TICK MARK

STREET

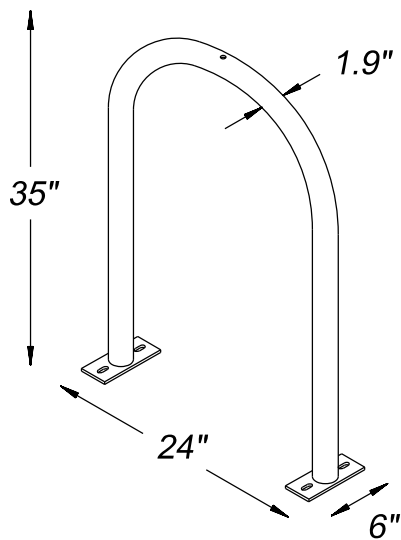
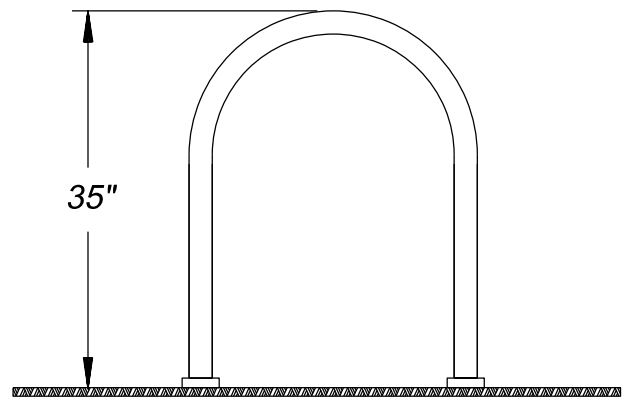
- NOTES:
- 1. WHEEL STOPS TO BE EQUIPPED WITH RETROREFLECTIVE MARKINGS.
  - 2. ANGLED RACKS MAY ALSO BE USED.

CITY OF RALEIGH		
STANDARD DETAIL		
REVISIONS	DATE: 8/1/18	NOT TO SCALE
	BIKE RACK CORRAL	
	B-20.02	

## IN-GROUND MOUNT



## SURFACE MOUNT



## STANDARD BIKE RACK

### BIKE RACK INSTALLATION:

SURFACE MOUNT - WHEN INSTALLED ON CONCRETE SURFACE, USE 3/8" ANCHORS TO PLATE MOUNT. SHIM AS NECESSARY TO ENSURE VERTICAL PLACEMENT.

IN-GROUND MOUNT - WHEN INSTALLED ON PAVERS OR OTHER NON-STABLE SURFACES, EMBED INTO BASE. CORE HOLES NO LESS THAN 3" IN DIAMETER AND 10" DEEP.

## CITY OF RALEIGH STANDARD DETAIL

REVISIONS	DATE: 8/1/18	NOT TO SCALE
	BIKE RACK DETAILS	
	<b>B-20.03</b>	