

GENERAL NOTES:

- 1. STEEL BEAM TYPE GUARD RAILS SHALL BE INSTALLED AT THE END OF ALL DEAD-END STREETS, EXCEPT CUL-DE-SAC STREETS WHICH HAVE BEEN IMPROVED WITH A PERMANENT TURN-AROUND.
2. FOR STREETS 26' IN WIDTH THE GUARD RAIL SHALL CONSIST OF TWO(2) 12'-6" SECTIONS OR ONE(1) 25' SECTION, THREE (3) STEEL POSTS, AND TWO (2) TERMINAL SECTIONS. FOR STREETS GREATER THAN 25' IN WIDTH THE GUARD RAIL SHALL SPAN THE ENTIRE WIDTH OF THE STREET.
3. GUARD RAIL SHALL CONSIST OF RAIL ELEMENTS FABRICATED TO DEVELOP CONTINUOUS BEAM STRENGTH AND INSTALLED AS SHOWN.
4. MINIMUM THICKNESS OF GUARD RAIL SHALL BE 12 GAGE U.S. STANDARD. THE RAIL ELEMENT INCLUDING SPLICES, SHALL HAVE A MINIMUM ULTIMATE TENSILE STRENGTH OF 80,000 LBS. GUARD RAIL PARTS FURNISHED SHALL BE INTERCHANGEABLE WITH SIMILAR PARTS REGARDLESS OF THE SOURCE OF MANUFACTURER. THE HOLES FOR CONNECTING BOLTS SHALL BE PUNCHED OR DRILLED, BURNING WILL NOT BE PERMITTED.
5. THE GUARD, BOLTS, NUTS, STEEL POSTS, AND ALL OTHER METAL PARTS SHALL BE GALVANIZED TO CONFORM TO THE REQUIREMENTS FOR THE COATING CLASS, (2.50 OUNCES PER SQUARE FOOT) OF THE CURRENT SPECIFICATIONS FOR ZINC-COATED (GALVANIZED) IRON, AND STEEL SHEETS, COILS, AND CUT LENGTHS, IN ACCORDANCE WITH ASTM 123A.
6. IF THE AVERAGE SPLINTER COATING AS DETERMINED FROM THE REQUIRED SAMPLES IS LESS THAN TWO (2) OUNCES OF SPLINTER PER SQUARE FOOT, OR IF ANY ONE SPECIMEN HAS LESS THAN 1.8 OUNCES OF SPLINTER PER SQUARE FOOT OF DOUBLE EXPOSED SURFACE, THE LOT SAMPLED SHALL BE REJECTED, THE FINISHED SHEETS SHALL BE OF FIRST CLASS COMMERCIAL QUALITY, FREE FROM INJURIOUS DEFECTS, SUCH AS BUSTERS, FLUX, AND UNCOATED SPOTS.
7. THE GUARD RAIL SHALL BE INSPECTED TO DETERMINE THAT THE MATERIAL, DIMENSIONS, AND WORKMANSHIP ARE IN ACCORDANCE WITH THIS PLAN.
8. WHERE A DEAD-END STREET REQUIRES GUARD RAIL, END OF ROADWAY MARKER SIGNS SHALL ALSO BE REQUIRED. (SEE STD. 50.08A & 50.08B) (ER-1).

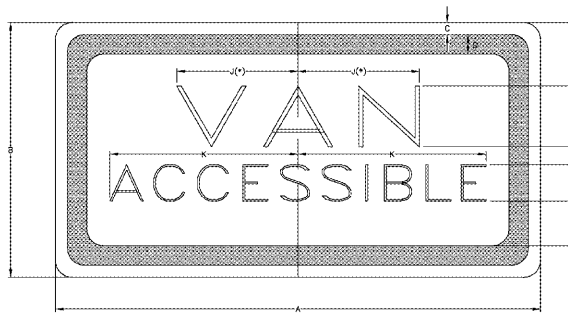
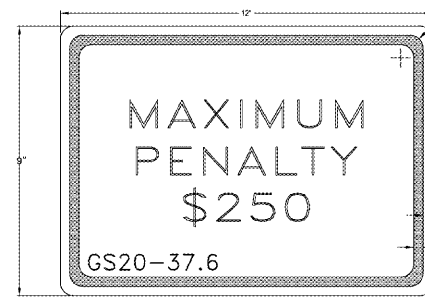


Table with dimensions (A-L) for sign R7-8P. Dimensions include 12, 8, 3/8, 3/8, 1-1/2, 1-1/2, 1/2, 10, 2-1/2, 4, 1-1/2.

INCREASE SPACING 50% 0-TYPICAL (FEDERAL HIGHWAY ADMINISTRATION/USDOT) SERIES D LETTERS

LEGEND AND BORDER - GREEN BACKGROUND - WHITE

NOT TO SCALE



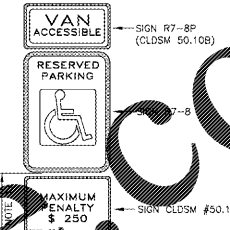
LEGEND AND BORDER - GREEN BACKGROUND - WHITE

SIGN APPROVED FOR USE UNDER GENERAL STATUTE 20-37.6

THIS PENALTY SIGN IS REQUIRED TO COMPANYS ALL R7-8 PARKING SIGNS ERECTED AFTER SEPTEMBER 31, 1990

NOT TO SCALE

NOTE: SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P) USED IF THERE IS ONLY ONE REQUIRED ACCESSIBLE PARKING SPACE (MUST BE VAN ACCESSIBLE) AND AT EACH ADDITIONAL REQUIRED VAN ACCESSIBLE SPACE. (SEE STD. NO. 50.10B)



LEGEND AND BORDER - GREEN BACKGROUND - WHITE

SIGN APPROVED FOR USE UNDER GENERAL STATUTE 20-37.6

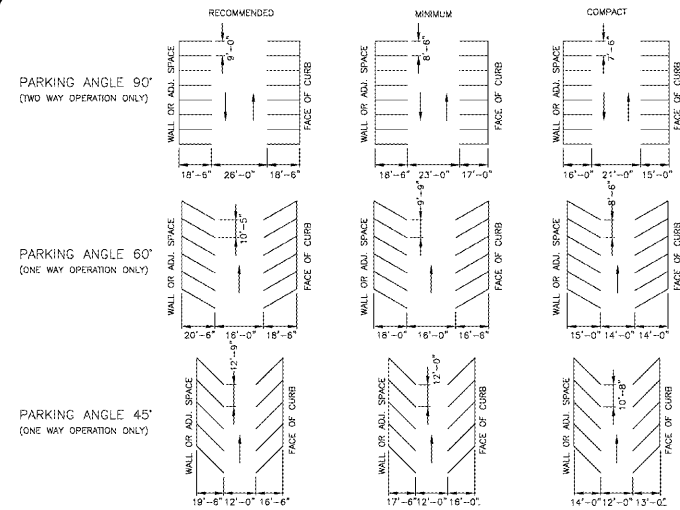
THIS PENALTY SIGN IS REQUIRED TO COMPANYS ALL R7-8 PARKING SIGNS ERECTED AFTER SEPTEMBER 31, 1990

NOT TO SCALE

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

DEAD END STREET BARRICADE GENERAL NOTES

STD. NO. 50.07B



NOTES: 1. FOR ACCESSIBLE PARKING STANDARDS/SIGNAGE SEE STDS. 50.10A, B, AND C. 2. PAVEMENT MARKINGS SHALL BE 4" WHITE PAINT. 3. ALTERNATIVE PARKING ANGLES, ASLE WIDTHS, AND OPERATION (TWO-WAY ANGLED PARKING OR REVERSE-ANGLE PARKING) WILL BE CONSIDERED BY CDOT ON A CASE-BY-CASE BASIS.

NOT TO SCALE

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P)

STD. NO. 50.10B

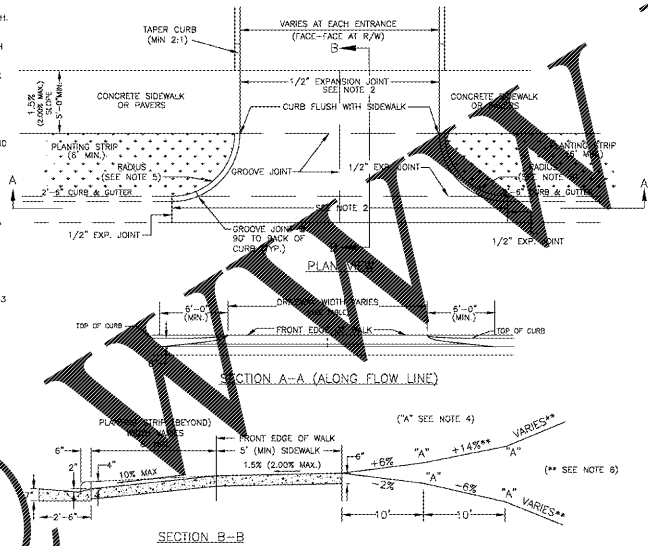


Table with driveway dimensions: OPERATION/RADIUS, MINIMUM, MAXIMUM. Includes rows for one-way with 6-12 ft curb, one-way with 13-17 ft curb, two-way with 6-12 ft curb, and two-way with 13-17 ft curb.

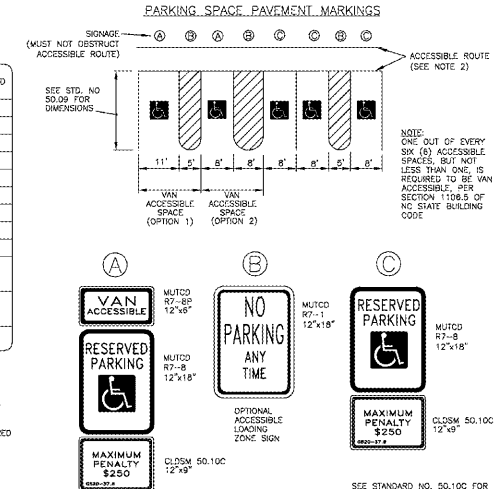
NOT TO SCALE

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

SUPPLEMENTAL ACCESSIBLE SIGN

STD. NO. 50.10C

Table titled 'ACCESSIBLE PARKING REQUIREMENTS' showing minimum number of accessible spaces required based on total parking spaces (e.g., 25-50 spaces require 1 accessible space).



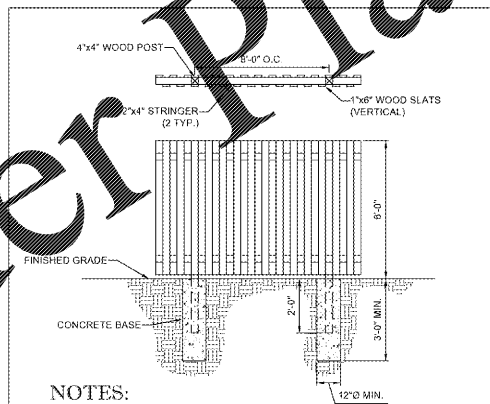
- NOTES: 1. ALL 12"x18" ACCESSIBLE SIGNS (R7-8 & R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MOUNTED). MOUNTING HEIGHT CAN BE REDUCED TO 4 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE. 2. IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEY REMAIN AS REQUIRED AT LOADING ZONE AREA MAINTAIN MIN. 4" WIDE CONTINUOUS PASSAGE. 3. VERTICAL CLEARANCE FOR VANS MUST BE GREATER THAN 98-INCHES. 4. THIS DETAIL IS TO PROVIDE GENERAL GUIDANCE FOR PARKING LAYOUT AND DESIGN. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 8 DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT AND NC BUILDING CODE FOR ADDITIONAL INFORMATION.

NOT TO SCALE

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

PARKING STANDARDS

STD. NO. 50.09A



- NOTES: 1. ALL LUMBER TO BE PRESSURE TREATED. 2. USE 6"x6" POSTS AT ALL CORNERS (ANGLE POINTS).

BOARD ON BOARD FENCE DETAIL

NOT TO SCALE

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

TYPE II-MODIFIED DRIVEWAY DETAIL WITH WIDE PLANTING STRIP AND STANDARD CURB

STD. NO. 10.25E

Table listing various drainage structures and their specifications, including catch basins, drop inlets, and grates.

NOTE 1: FOR ALL STRUCTURES - NCDOT REQUIRES CLASS B CONCRETE (2500PSI). THE CITY REQUIRES 3600 PSI CONCRETE STRENGTH @ 28 DAYS. 3600 PSI CONCRETE SHALL BE USED IN ALL CITY AND ETJ PROJECTS.

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

NCDOT STANDARDS APPROVED FOR USE IN THE CITY OF CHARLOTTE AND CHARLOTTE ETJ

STD. NO. 20.00B

CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

ACCESSIBLE PARKING AND SIGNAGE STANDARDS

STD. NO. 50.10A

Table listing various drainage structures and their specifications, including catch basins, drop inlets, and grates.

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CITY OF CHARLOTTE LAND DEVELOPMENT STANDARDS INCLUDES CHARLOTTE ETJ

NCDOT STANDARDS APPROVED FOR USE IN THE CITY OF CHARLOTTE AND CHARLOTTE ETJ

STD. NO. 20.00C

BOHLER ENGINEERING & ARCHITECTURE logo and contact information.

Table titled 'REVISIONS' with columns for REV, DATE, COMMENT, and BY.

811 logo and text: KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

Table with project information: PROJECT No., DRAWN BY, CHECKED BY, DATE, SCALE, CAD/D.

CONNECTION POINT FOR EASTSIDE CONNECTIONS JV, LLC. LOCATION OF SITE: MONROE RD & LONG AVE CHARLOTTE, NC 28212 MECKLENBURG COUNTY

BOHLER ENGINEERING & ARCHITECTURE logo and address: 1927 S. TRYON STREET, SUITE 310 CHARLOTTE, NC 28203

Professional Engineer seal for BOHLER ENGINEERING & ARCHITECTURE, No. 31128, State of North Carolina.

SHEET TITLE: SITE DETAILS SHEET NUMBER: C-9.2

Order Plans