GENERAL NOTES:

1. A GROOVE JOINT 1" DEEP WITH 1/8" RADIUS SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS NOT TO EXCEED 50' AND MATCHING EXPANSION/CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

2. SIDEWALK AT DRIVEWAY ENTRANCES TO BE 6" THICK.

3. WIDTH OF SIDEWALK ON THOROUGHFARE STREETS SHALL BE A MINIMUM OF 5'.

4. WIDTH OF SIDEWALKS ON NON–THOROUGHFARE STREETS SHALL BE A MINIMUM OF 5'.

5. SIDEWALK TO BE POURED TO END OF RADIUS AT INTERSECTING STREETS.

6. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI IN 28 DAYS.

7. ZONING CONDITIONS MAY REQUIRE ADDITIONAL WIDTH SIDEWALKS WHICH SHALL SUPERSEDE THESE STANDARD DIMENSIONS SHOWN.

8. Contraction joints in sidewalks 8' or greater in width shall be sawed.

9. Expansion joints shall be sealed.

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

CONCRETE SIDEWALKS

APPROVED DATE: 02/2007

DETAILS SHOWING EXPANSION JOINTS
FOR CONCRETE SIDEWALK

NOT TO SCALE
LOCAL RESIDENTIAL STREET

TYPICAL PAVEMENT SECTION

KEY

- 2'-0" VALLEY GUTTER OR 2'-6" STD. CURB AND GUTTER
- 4" CONCRETE SIDEWALK

NOTES:

1. SIDEWALK SHALL BE PROVIDED ON BOTH SIDES OF STREET, MINIMUM 4' FROM BACK OF CURB.

2. SEE SECTION 1.F. SIDEWALKS AND DRIVEWAYS.

3. FOR LOCAL RESIDENTIAL STREETS IN THE TOWN OF MATTHEWS, USE DETAIL 11.51

ELEVATION CHANGE AT CENTER LINE

- 9'-7/8" FOR STONEBASE
- 5'-7/8" FOR ASPHALT
- 1'-7/8"
- 3'-6"

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

LOCAL RESIDENTIAL STREET
TYPICAL SECTION

COMPREHENSIVE STREET CLASSIFICATION SYSTEM (CLASS VI)
LOCAL LIMITED RESIDENTIAL STREET

NOTES:

1. STREETS ACCESSING LESS THAN TEN (10) LOTS OR LESS THAN 250 FEET IN LENGTH, SIDEWALK WILL ONLY BE REQUIRED ON ONE SIDE OF STREET AND NOT ALONG CUL-DE-SAC "BULB".

2. SIDEWALK EASEMENT MAY BE REQUIRED.

3. For Local Limited Residential Streets in the Town of Matthews, use detail 11.54.

KEY

① 2'-0" VALLEY GUTTER, 2'-0" STD. CURB AND GUTTER OR 2'-6" STD. CURB AND GUTTER.

⑤ 4" CONCRETE SIDEWALK

TYPICAL PAVEMENT SECTION

SURFACE COURSE
1 1/2" SF9.5A
FINAL LIFT TO BE APPLIED AFTER MEETING % DEVELOPMENT OCCUPANCY OR 1 YEAR FROM BASE COURSE ACCEPTANCE (WHICHEVER OCCURS FIRST).

INTERMEDIATE COURSE
1 1/2" S9.5B

BASE COURSE
8" COMPACTED AGGREGATE BASE COURSE, OR 4" ACBC TYPE B25.0B (OR 4" BCBC TYPE HB, INDIVIDUAL APPROVAL REQUIRED). SHOULD ENTIRE DEVELOPMENT HAVE A CBR OF 6 OR GREATER, THEN AN ALTERNATIVE BASE COURSE PAVEMENT DESIGN MAY BE SUBMITTED TO THE COUNTY ENGINEER FOR APPROVAL.

SUBGRADE
COMPACTED SUBGRADE (SEE SECTION 1.A.18)

MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS

LOCAL LIMITED RESIDENTIAL STREET TYPICAL SECTION

COMPREHENSIVE STREET CLASSIFICATION SYSTEM (CLASS VI-L)
NOTES:

1. SIDEWALK SHALL BE PROVIDED ON BOTH SIDES OF STREET A MINIMUM OF 4' FROM THE BACK OF
   CURB.

2. TO BE USED ONLY ON REVERSE FRONTAGE LOTS.

3. DRIVEWAY CONNECTIONS WILL NOT BE ALLOWED TO LIMITED COLLECTOR STREET.

4. AN ALTERNATIVE PAVEMENT DESIGN MAY BE REQUIRED BY NCDOT BASED ON SPECIFIC TRAFFIC PARAMETERS.

5. Not for use in the Town of Matthews

TYPICAL MINIMUM PAVEMENT SECTION
(SEE NOTE 4.)

KEY

- 2'-6" STANDARD CURB
- 4" CONCRETE SIDEWALK

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

LIMITED RESIDENTIAL COLLECTOR STREET
NOT TO SCALE

TYPICAL SECTION

COMPREHENSIVE STREET CLASSIFICATION SYSTEM (CLASS VI)
RESIDENTIAL STREET

TYPICAL PAVEMENT SECTION

NOTES:
1. ELEVATION OF SIDEWALK SHALL BE NO LESS THAN 6" OR MORE THAN 18" ABOVE THE ROADWAY CROWN.
2. SIDEWALK EASEMENT MAY BE ALLOWED.
3. WHEN CLASS VI STREETS ARE TO BE EXTENDED, TRAFFIC CALMING MEASURES SHALL BE CONSIDERED IN COLLABORATION WITH THE TOWN PLANNING DIRECTOR AND TOWN ENGINEER.
4. 12' LANES PROVIDED TO ACCOMMODATE INFORMAL ON-STREET PARKING; 15' MIN DISTANCE BETWEEN PARKED VEHICLES.

PAVEMENT SCHEDULE

© 3" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B AND S9.5A (SEE LEFT)
© 8" COMPACTED AGGREGATE BASE COURSE
© 2'-0" VALLEY GUTTER
© 4" CONCRETE SIDEWALK (6" THROUGH DRIVEWAYS)

PAVEMENT NOTES:
1. SUBGRADE MUST BE TESTED BY AN INDEPENDENT TESTING LAB, AND HAVE A DENSITY OF 100% IN ACCORDANCE WITH AASHTO-T99; BASE COURSE MUST HAVE A DENSITY OF 90% FOR B.C.B.C. AND 100% FOR A.B.C., IN ACCORDANCE WITH AASHTO-T180 SURFACE COURSE SHALL BE COMPACTED TO A DENSITY OF 95%. ALL TESTS TO BE CONDUCTED BY AN INDEPENDENT TESTING FIRM AT THE DEVELOPERS EXPENSE, AND THE RESULTS SENT TO MECKLENBURG LUESA AND TO THE TOWN ENGINEER. (FOR ADDITIONAL TESTING AND REPAIR STANDARDS PLEASE REFER TO MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS SPECIFICATIONS AND SPECIAL PROVISION NOTES)
2. FINAL LIFT OF ASPHALT TO BE APPLIED AFTER % OF DEVELOPMENT OCCUPANCY OR 1 YEAR AFTER BASE COURSE ACCEPTANCE (WHICHEVER OCCURS FIRST).

APPROVED DATE 02/2007

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

MATTHEWS TYPICAL SECTION
LOCAL RESIDENTIAL STREET
COMPREHENSIVE STREET CLASSIFICATION SYSTEM (CLASS VI)
RESIDENTIAL STREET

TYPICAL PAVEMENT SECTION

- 1 1/2" SF9.5A ASPHALT (FINAL CONSTRUCTION)
- 1 1/2" S9.5B ASPHALT (INITIAL CONSTRUCTION)
- 8" COMPACTED AGGREGATE BASE COURSE
- COMPACTED SUBGRADE

NOTES:
1. ELEVATION OF SIDEWALK SHALL BE NO LESS THAN 6" OR MORE THAN 18" ABOVE THE ROADWAY CROWN.
2. LIMITED USE OF THIS TYPICAL SECTION PER UDO CHAPTER 7 PUBLIC IMPROVEMENT STANDARDS; PRIOR APPROVAL FROM PLANNING DIRECTOR AND TOWN ENGINEER REQUIRED.
3. SIGNS MUST BE POSTED Restricting on-street parking to keep clear 15' for emergency services. Enforcement of signs is the responsibility of the HOA. ADEQUATE GUEST PARKING MUST BE MADE AVAILABLE ELSEWHERE ON SITE.

PAVEMENT SCHEDULE:
- 3" BITUMINOUS CONCRETE SURFACE COURSE, TYPE S9.5B AND S9.5A (SEE LEFT)
- 8" COMPACTED AGGREGATE BASE COURSE
- 2" - 0" VALLEY GUTTER
- 4" CONCRETE SIDEWALK (6" THROUGH DRIVEWAYS)

PAVEMENT NOTES:
1. SUBGRADE MUST BE TESTED BY AN INDEPENDENT TESTING LAB, AND HAVE A DENSITY OF 100% IN ACCORDANCE WITH AASHTO-T99; BASE COURSE MUST HAVE A DENSITY OF 90% FOR B.C.B.C. AND 100% FOR A.B.C. IN ACCORDANCE WITH AASHTO-T180 SURFACE COURSE SHALL BE COMPACTED TO A DENSITY OF 95%. ALL TESTS TO BE CONDUCTED BY AN INDEPENDENT TESTING FIRM AT THE DEVELOPERS EXPENSE, AND THE RESULTS SENT TO MECKLENBURG LUESA AND TO THE TOWN ENGINEER.

(FOR ADDITIONAL TESTING AND REPAIR STANDARDS REFER TO MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS SPECIFICATION AND SPECIAL PROVISION NOTES)

2. FINAL LIFT OF ASPHALT TO BE APPLIED AFTER MEETING % DEVELOPMENT OCCUPANCY OR 1 YEAR AFTER BASE COURSE ACCEPTANCE (WHICHEVER COMES FIRST)

APPROVED DATE: 02/2007
**RESIDENTIAL STREET**

**PAVEMENT SCHEDULE**

- **C** 3" BITUMINOUS CONCRETE SURFACE COURSE, TYPE 1 1/2" SF9.5B AND 1 1/2" SF9.5A (SEE LEFT)
- **E** 8" COMPACTED AGGREGATE BASE COURSE
- **R** 2'-0" VALLEY GUTTER
- **S** 4" CONCRETE SIDEWALK (6" THROUGH DRIVEWAYS)

**PAVEMENT NOTES:**

1. SUBGRADE MUST BE TESTED BY AN INDEPENDENT TESTING LAB, AND HAVE A DENSITY OF 100% IN ACCORDANCE WITH AASHTO-T99; BASE COURSE MUST HAVE A DENSITY OF 90% FOR B.C.B.C. AND 100% FOR A.B.C. IN ACCORDANCE WITH AASHTO-T180 SURFACE COURSE SHALL BE COMPACTED TO A DENSITY OF 95%. ALL TESTS TO BE CONDUCTED BY AN INDEPENDENT TESTING FIRM AT THE DEVELOPERS EXPENSE, AND THE RESULTS SENT TO MECKLENBURG LUESA AND TO THE TOWN ENGINEER.

2. (FOR ADDITIONAL TESTING AND REPAIR STANDARDS REFER TO MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS SPECIFICATIONS AND SPECIAL PROVISION NOTES).

3. THE ELEVATION OF THE SIDEWALK SHALL BE NO LESS THAN 6" OR MORE THAN 8" ABOVE THE ROADWAY CROWN.

4. SIDEWALK EASEMENT MAY BE REQUIRED.

5. REFER TO UDO 155.701.C.3 FOR APPLICABILITY.

6. FINAL LIFT OF ASPHALT TO BE APPLIED AFTER MEETING % DEVELOPMENT OCCUPANCY OR 1 YEAR AFTER BASE COURSE ACCEPTANCE (WHICHEVER OCCURS FIRST).
NOTES:

1. CURB AND GUTTER STREETS MAY USE VALLEY GUTTER OR STANDARD CURB AND GUTTER.

2. ALTERNATIVE CUL–DE–SAC DESIGNS, INCLUDING ISLANDS, SHALL BE SUBMITTED TO MECKLENBURG COUNTY ENGINEERING DEPARTMENT FOR APPROVAL.

3. THE CROWN FOR PAVEMENT SHALL BE 1/4" PER FT. FROM THE CENTER OF THE CUL–DE–SAC.

4. 5’ SIDEWALK IS REQUIRED AROUND THE BULB OF THE CUL–DE–SAC.

5. MAXIMUM CUL–DE–SAC LENGTH IS 800’ FOR CLASS VI STREETS AND 500’ FOR STREET WITH 44’ R/W (CLASS VI–L)

6. PAVEMENT DESIGN SHALL BE CONSISTENT WITH CLASS VI OR CLASS VI–L DEPENDING ON ROAD SECTION SPECIFIED.

REVISIONS

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APPROVED DATE: 02/2007

MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS

MATTHEWS RESIDENTIAL CUL–DE–SAC DETAIL
NOT TO SCALE

NOTES:

1. BLADES SHALL BE EXTRUDED ALUMINUM 6063T5 OR 6063T6 ALLOY .080" THICK. POST SHALL BE 10'-0" IN LENGTH, TUBULAR 2.375 O.D. GLOSS GALVANIZED STEEL CONTINUOUS MILL DIPPED, WITH NO RAW ENDS; OR 40, 1540 WALL ALUMINUM (SEE DETAIL B). OR STANDARD U-CHANNEL POSTS AS DIRECTED BY TOWN OR COUNTY.

2. CAP TO BE ALUMINUM #380 ALLOY OR EQUAL SLOTTED FOR .25" EXTRUDED BLADE; 2.375" I.D. BASE, DIE CAST AND POLISHED. CAP SHALL BE TAPPED TO RECEIVE AND INCLUDE 3 STAINLESS STEEL SET SCREWS FOR POST MOUNTING. 2 STAINLESS STEEL SET SCREWS FOR BLADE MOUNTING. SET SCREWS TO HAVE ALLEN HEADS (SEE DETAIL C).

3. BLADE SPACER BRACKET SHALL MEET SAME SPECIFICATIONS AS THE CAP WITH 2 SCREWS TO EACH BLADE MOUNTING (SEE DETAIL D).

4. THE FACE OF ALL BLADES SHALL MEET COVERED WITH ENGINEERING GRADE SHEETING WITH #2290 WHITE DIE CUT LETTERS WITH REVERSED SCREENED 708 TRANSPARENT GREEN. THE PRIMARY LETTERS SHALL BE 6" HIGH, UPPER CASE, FHWA SERIES B AND PREFIX/SUFFIX LETTERS SHALL BE 3" HIGH, UPPER CASE, FHWA SERIES C. BLOCK NUMBERS SHALL BE PLACED IN THE LOWER RIGHT CORNER AND SHALL BE 3" HIGH, FHWA SERIES C. ALL MATERIALS TO BE VACUUM AND HEAT APPLIED TO A PREPARED ALUMINUM BLADE, WHICH HAS BEEN CLEANED AND ALL FOREIGN MATERIAL REMOVED (SEE DETAIL E).

5. LETTERS, NUMBERS AND SPACING SHALL CONFORM TO THE STANDARD ALPHABETS FOR HIGHWAY SIGNS, 1995 EDITION. REPRINT MAY, 1997 AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

6. ALL STREET NAME SIGNS ARE SUBJECT TO APPROVAL BY THE COUNTY ENGINEER. BLOCK NUMBERS SHALL BE PROVIDED ON SIGNS AND CORRESPOND TO OFFICIALLY APPROVED ADDRESSES.

7. IF THE STREET IS INTENDED TO BE PRIVATE, A SUPPLEMENTAL PLATE IS REQUIRED. THE SUPPLEMENTAL PLATE MAY BE EITHER ATTACHED TO THE SIGN OR AN EXTENDED BLADE WITH BLACK ON YELLOW SHEETING MAY BE USED. THE SIGN SHALL HAVE BLACK LETTERS THAT SHOW PVT TO STAND FOR PRIVATE. THE LETTERS SHALL BE AT LEAST 3" HIGH, UPPER CASE, FHWA SERIES C, ON ON A BACKGROUND OF YELLOW ENGINEERING GRADE SHEETING. (SEE DETAIL F).

ALL SIGNS SHALL BE REFLECTIVE AND MEET THE FHWA STANDARDS OF REFLECTIVITY. SEE MUTCD MANUAL, LATEST RELEASE, FOR SPECIFICATIONS.

APPROVED DATE: 02/2007

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

STREET NAME SIGN

STD. NO. REV.
50.05A
1. BLADES SHALL BE EXTRUDED ALUMINUM 6063.T5 OR 6063.T6 ALLOY .080" THICK. POST SHALL BE 10'-0" IN LENGTH; TUBULAR 2.375 O.D. GLOSS GALVANIZED STEEL CONTINUOUS MILL DIPPED, WITH NO RAW ENDS; OR 40, 1540 WALL ALUMINUM (SEE DETAIL B).

2. CAP TO BE ALUMINUM #380 ALLOY OR EQUAL SLOTTED FOR .25" EXTRUDED BLADE; 2.375" I.D. BASE, DIE CAST AND POLISHED. CAP SHALL BE TAPPED TO RECEIVE AND INCLUDE 3 STAINLESS STEEL SET SCREWS FOR POST MOUNTING AND 2 STAINLESS STEEL SET SCREWS FOR BLADE MOUNTING. SET SCREWS TO HAVE ALLEN HEADS (SEE DETAIL C).

3. BLADE SPACER BRACKET SHALL MEET SAME SPECIFICATIONS AS THE CAP WITH 2 SCREWS TO EACH BLADE MOUNTING (SEE DETAIL D).

4. THE FACE OF ALL BLADES SHALL MEET COVERED WITH ENGINEERING GRADE SHEETING WITH #2290 WHITE DIE CUT LETTERS WITH REVERSED SCREENEED #708 TRANSPARENT GREEN. THE PRIMARY LETTERS SHALL BE 6" HIGH UPPER CASE, FHWA SERIES B AND PREFIX/SUFFIX LETTERS SHALL BE 3" HIGH, UPPER CASE, FHWA SERIES C. BLOCK NUMBERS SHALL BE PLACED IN THE LOWER RIGHT CORNER AND SHALL BE 3" HIGH, FHWA SERIES C. ALL MATERIALS TO BE VACUUM AND HEAT APPLIED TO A PREPARED ALUMINUM BLADE, WHICH HAS BEEN CLEANED AND ALL FOREIGN MATERIAL REMOVED (SEE DETAIL E).

5. LETTERS, NUMBERS AND SPACING SHALL CONFORM TO THE STANDARD ALPHABETS FOR HIGHWAY SIGNS, 1966 EDITION, REPRINT MAY, 1972, AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

6. ALL STREET NAME SIGNS ARE SUBJECT TO APPROVAL BY THE COUNTY ENGINEER. BLOCK NUMBERS SHALL BE PROVIDED ON SIGNS AND CORRESPOND TO OFFICIALLY APPROVED ADDRESSES.

7. IF THE STREET IS INTENDED TO BE PRIVATE, A SUPPLEMENTAL PLATE IS REQUIRED. THE SUPPLEMENTAL PLATE MAY BE EITHER ATTACHED TO THE SIGN OR AN EXTENDED BLADE WITH BLACK ON YELLOW SHEETING MAY BE USED. THE SIGN SHALL HAVE BLACK LETTERS THAT SHOW PVT TO STAND FOR PRIVATE. THE LETTERS SHALL BE AT LEAST 3" HIGH, UPPER CASE, FHWA SERIES C, ON A BACKGROUND OF YELLOW ENGINEERING GRADE SHEETING. (SEE DETAIL F).

ALL SIGNS SHALL BE REFLECTIVE AND MEET THE FHWA STANDARDS OF REFLECTIVITY. SEE MUTCD MANUAL, LATEST RELEASE, FOR SPECIFICATIONS.

APPROVED DATE: 02/2007

8. Town of Matthews: u-channel post only. See 50.06 for requirements.

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

STREET NAME SIGN

STD. NO. REV. 50.05A
NOTES:

1. POST SHALL BE 10'-0" IN LENGTH, TUBULAR 2.375" O.D. GLOSS GALVANIZED STEEL, CONTINUOUS MILL DIPPED, WITH NO RAW ENDS; OR 40, 1540 WALL ALUMINUM (SEE DETAIL B).

2. THE FACE OF ALL BLADES SHALL BE COVERED WITH ENGINEERING GRADE SHEETING WITH #2200 WHITE DIE CUT LETTERS WITH REVERSED SCREENED #708 TRANSPARENT GREEN, THE PRIMARY LETTERS SHALL BE 6" HIGH, UPPER CASE, FHWA SERIES B AND PREFIX/SUFFIX LETTERS SHALL BE 3" HIGH, UPPER CASE, FHWA SERIES C. BLOCK NUMBERS SHALL BE PLACED IN THE LOWER RIGHT CORNER AND SHALL BE 3" HIGH, FHWA SERIES C. ALL MATERIALS TO VACUUM AND HEAT APPLIED TO A PREPARED ALUMINUM BLADE, WHICH HAS BEEN CLEANED AND ALL FOREIGN MATERIAL REMOVED (SEE DETAIL E).


4. ALL STREET NAME SIGNS ARE SUBJECT TO APPROVAL BY THE COUNTY ENGINEER. BLOCK NUMBERS MUST BE PROVIDED ON SIGNS AND CORRESPOND TO OFFICIALLY APPROVED ADDRESSES.

5. IF THE STREET IS INTENDED TO BE PRIVATE, A SUPPLEMENTAL PLATE IS REQUIRED. THE SUPPLEMENTAL PLATE MAY BE EITHER ATTACHED TO THE SIGN OR AN EXTENDED BLADE WITH BLACK ON YELLOW SHEETING MAY BE USED. THE SIGN SHALL HAVE BLACK LETTERS THAT SHOW PVT TO STAND FOR PRIVATE. THE LETTERS SHALL BE AT LEAST 3" HIGH, UPPER CASE, FHWA SERIES C, ON A YELLOW BACKGROUND (SEE DETAIL F).

6. ALL SIGNS SHALL BE REFLECTIVE AND MEET THE FHWA STANDARDS OF REFLECTIVITY, SEE MUTCD MANUAL, LATEST RELEASE, FOR SPECIFICATIONS.

APPROVED DATE: 02/2007

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

STREET NAME SIGN (OPTIONAL)

USE CLDSM 50.05B

NOT TO SCALE

STD. NO. REV.
50.05B
NOTES:

1. POST SHALL BE 10'-0" IN LENGTH, TUBULAR 2.375" O.D. GLOSS GALVANIZED STEEL CONTINUOUS MILL DIPPED, WITH NO RAW ENDS; OR 40, 1540 WALL ALUMINUM (SEE DETAIL B).

2. THE FACE OF ALL BLADES SHALL BE COVERED WITH ENGINEERING GRADE SHEETING WITH #2290 WHITE DIE CUT LETTERS WITH REVERSED SCREENED #708 TRANSPARENT GREEN, THE PRIMARY LETTERS SHALL BE 6" HIGH, UPPER CASE, FHW SERIES B AND PREFIX/SUFFIX LETTERS SHALL BE 3" HIGH, UPPER CASE, FHW SERIES C. BLOCK NUMBERS SHALL BE PLACED IN THE LOWER RIGHT CORNER AND SHALL BE 3" HIGH, FHW SERIES C. ALL MATERIALS TO VACUUM AND HEAT APPLIED TO A PREPARED ALUMINUM BLADE, WHICH HAS BEEN CLEANED AND ALL FOREIGN MATERIAL REMOVED (SEE DETAIL E).


4. ALL STREET NAME SIGNS ARE SUBJECT TO APPROVAL BY THE COUNTY ENGINEER. BLOCK NUMBERS MUST BE PROVIDED ON SIGNS AND CORRESPOND TO OFFICIALLY APPROVED ADDRESSES.

5. IF THE STREET IS INTENDED TO BE PRIVATE, A SUPPLEMENTAL PLATE IS REQUIRED. THE SUPPLEMENTAL PLATE MAY BE EITHER ATTACHED TO THE SIGN OR AN EXTENDED BLADE WITH BLACK ON YELLOW SHEETING MAY BE USED. THE SIGN SHALL HAVE BLACK LETTERS THAT SHOW PVT TO STAND FOR PRIVATE. THE LETTERS SHALL BE AT LEAST 3" HIGH, UPPER CASE, FHW SERIES C, ON A YELLOW BACKGROUND (SEE DETAIL F).

6. ALL SIGNS SHALL BE REFLECTIVE AND MEET THE FHWA STANDARDS OF REFLECTIVITY. SEE MUTCD MANUAL, LATEST RELEASE, FOR SPECIFICATIONS.

INSTALLATION OF STREET NAME SIGN

INTERSECTION with SIDEWALK, CURB, and GUTTER

INTERSECTION with CURB and GUTTER

INTERSECTION with DITCHES, and NO CURB and GUTTER

NOTES

1. TWO STREET NAME MARKERS ARE REQUIRED IF THE MAJOR STREET HAS 3 OR MORE LANES.

2. ANY VARIANCE FROM THIS STANDARD MUST BE APPROVED BY THE TOWN AND/OR COUNTY.

3. Town of Matthews galvanized metal U-channel posts only
   Conforming to the following:
   (a) U-channel steel. Furnish flanged, channel, galvanized steel
       posts conforming to ASTM A1008 or ASTM A499, or an approved
       alternative.
   (1) Punching. Starting 1 inch (25 millimeters) from the top and
       extending the full length of the post, drill or punch 0-inch (10-
       millimeter) holes on 1-inch (25 millimeter) centers along the
       centerline of the bottom of the U. Remove burrs and sharp edges.
   (2) Galvanizing after punching in accordance with ASTM A123

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

STREET NAME SIGN INSTALLATION
LOCATIONS

STD. NO. REV. 50.06
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, AISLE WIDTHS, AND OPERATION (TWO-WAY ANGLED PARKING OR REVERSE-ANGLE PARKING) WILL BE CONSIDERED ON A CASE-BY-CASE BASIS.

4. For dimensions of parking spaces and aisles in the Town of Matthews, refer to UDO 155.607.3.
### Accessible Parking Requirements

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<td>20 plus 1 for each 100 over 1000</td>
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Section 4.1.2(5) of the Americans with Disabilities Act (ADA). See 4.1.2.(5)(d) for medical care facilities.

**NOTES:**

1. All 12"x18" accessible signs (R7-8a & R7-1) shall be mounted at 7 feet from grade to bottom edge of sign face (MUTCD). Mounting height can be reduced to 5 feet if placed in an area between sidewalk and building face in which pedestrians are not expected to use.

2. Refer to manual on Uniform Traffic Control Devices, (MUTCD) U.S. Department of Transportation and North Carolina Department of Transportation Supplement.

3. If accessible route is a raised sidewalk area, then ramps are required at loading zone area.

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**PARKING SPACE PAVEMENT MARKINGS**

**A**
- Van Accessible
- R7-8a 12"x6"
- MUTCD R7-8a 12"x18"
- Maximum Penalty: $250

**B**
- No Parking
- R7-8a 12"x18"
- MUTCD R7-8a 12"x18"
- Required Accessible Reserved Parking Sign

**C**
- Reserved Parking
- R7-8d 12"x18"
- MUTCD R7-8d 12"x18"
- Maximum Penalty: $250

See standard no. 50.10b & 50.10c for supplemental sign detail.
NOTES:

1. BIKE RACKS SHOULD BE INSTALLED AS PER MANUFACTURER’S RECOMMENDED INSTALLATION PROCEDURES.

2. ALTERNATIVE BIKE RACKS OR LOCKERS MAY BE USED BUT ARE SUBJECT TO APPROVAL BY THE TOWN AND/OR COUNTY.

3. ALL DIMENSIONS SHOWN ARE MINIMUM.

4. Not for use in the Town of Matthews