

APPENDIX B – SUBDIVISION STREET DESIGN GUIDE

(AFTER JULY 1, 2009 - USED ONLY FOR GRANDFATHERED DEVELOPMENTS)

SECTION B – 1 – INTRODUCTION	B-1
Introduction	B-1
SECTION B – 2 – DESIGN REQUIREMENTS	B-2
Projected Traffic/Capacity Analysis.....	B-2
Functional Classification	B-2
Terrain	B-4
SECTION B – 3 – ROADWAY GEOMETRIC DESIGN CRITERIA	B-5
A. Collector and Arterial Roadways	B-5
B. Local Roadways	B-5
C. Transitions and turn lanes	B-6
D. Sight Distance	B-11
SECTION B – 4 – ELEMENTS OF TYPICAL SECTION	B-13
A. Pavement design.....	B-13
B. Pavement Width	B-13
C. Parking lane widths (curb and gutter only)	B-14
D. Intersections	B-14
E. Concentric design.....	B-16
F. Cul-de-sacs and turnarounds	B-16
G. Curb and gutter designs	B-19
H. Private entrances.....	B-21
I. Pedestrian and Bicycle Facilities	B-24
J. Bridge and culvert design criteria	B-28
K. Roadway Drainage	B-28
L. Right-of-way	B-31
SECTION B – 5 – OTHER DESIGN CONSIDERATIONS	B-32
A. Clear Zone (i.e. Setback for non-breakaway fixed objects)	B-32
B. Guardrail.....	B-34
C. Traffic control.....	B-34
D. Streetscape	B-34
E. Landscape considerations.....	B-35
F. Traffic Calming	B-38
G. Roundabouts	B-40
H. Utilities.....	B-42
I. Roadway Lighting.....	B-44
SECTION B – 6 – NEOTRADITIONAL NEIGHBORHOOD DESIGN	B-46
SECTION B – 7 – INNOVATIVE DESIGN PROPOSALS	B-48