

## **APPENDIX B – SUBDIVISION STREET DESIGN GUIDE (SSR)**

|   |      |
|---|------|
| <b>SECTION B – 1 – INTRODUCTION .....</b>                             | B-1  |
| Introduction .....  | B-1  |
| <b>SECTION B – 2 – DESIGN REQUIREMENTS .....</b>                      | B-2  |
| Projected Traffic/Capacity Analysis.....                              | B-2  |
| Functional Classification .....                                       | B-2  |
| Terrain .....   | B-4  |
| <b>SECTION B – 3 – ROADWAY GEOMETRIC DESIGN CRITERIA.....</b>         | 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 |
| <b>SECTION B – 4 – ELEMENTS OF TYPICAL SECTION .....</b>              | 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 |
| <b>SECTION B – 5 – OTHER DESIGN CONSIDERATIONS .....</b>              | 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 |
| <b>SECTION B – 6 – NEOTRADITIONAL NEIGHBORHOOD DESIGN .....</b>       | B-46 |
| <b>SECTION B – 7 – INNOVATIVE DESIGN PROPOSALS.....</b>               | B-48 |