

## **RESOLUTION NO. 1026**

### **A RESOLUTION REVISING THE PROJECT MANUAL FOR ENGINEERING DESIGN AND DEVELOPMENT STANDARDS FOR THE CITY OF LYNDEN, WHATCOM COUNTY, WASHINGTON AMENDING RESOLUTION NO. 827**

**WHEREAS**, the City of Lynden, Whatcom County, Washington last adopted the Project Manual for Design and Development Standards in February 2011; and

**WHEREAS**, the following sections of the Project Manual for Engineering Design and Development Standards have been revised as follows:

#### **LIST OF REVISED TEXT BY DIVISION:**

##### **DIVISION 2 APPLICANT CHECKLIST**

Full Section Revision.

##### **DIVISION 3 CONSTRUCTION PLAN REQUIREMENTS**

- Section 3.1.B.9**      **Added Section requiring designation of all facilities as publicly or privately owned on all development plans.**
- Section 3.1.C**      **Updated title of section 3.2.**
- Section 3.2**        **Updated RCW and WAC references.**

##### **DIVISION 4 STREET DESIGN STANDARDS**

- Section 4.3.B.2**      **Added section to clarify private bridge requirements. Renumbered following points 5-9.**
- Section 4.4.A**      **Updated HMA terminology.**
- Section 4.4.B**      **Updated HMA terminology.**
- Section 4.4.C1**     **Updated WSDOT section reference.**
- Section 4.6.A**      **Added note that design speed shall be 10 mph over posted speed limit.**
- Section 4.6.B**      **Updated figure references, and added WSDOT design manual references.**
- Section 4.7.B**      **Updated WSDOT design references.**
- Section 4.8.B**      **Added requirement for curblineline radius at bulb intersections.**
- Section 4.8.D**      **Added site obstruction requirements.**
- Section 4.9.A**      **Updated WSDOT Design Manual Reference.**
- Section 4.9.B.1**     **Updated WSDOT Design Manual Reference.**
- Section 4.9.C**      **Updated WSDOT Design Manual Reference.**
- Section 4.13**       **Updated figure references.**
- Section 4.13.A**     **Updated figure references.**
- Section 4.13.D**     **Removed repeated references.**
- Section 4.13.E**     **Removed repeated references.**

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| <b>Section 4.13.G</b>   | <b>Removed repeated references.</b>  |
| <b>Section 4.13.J</b>   | <b>Added section to require monument data be submitted to the City.</b>          |
| <b>Section 4.15</b>     | <b>Full section revision.</b>  |
| <b>Section 4.16.F</b>   | <b>Full section text revision.</b>   |
| <b>Section 4.18</b>     | <b>Full section revision.</b>  |
| <b>Section 4.19</b>     | <b>Added LED requirement for illumination.<br/>Revised allowable luminaires.</b> |
| <b>Section 4.22.B.3</b> | <b>Updated HMA terminology.</b>  |
| <b>Section 4.22.B.4</b> | <b>Removed Petrotac requirement at joints.</b>                                   |
| <b>Section 4.23</b>     | <b>Added table 4-4 for parking lots.</b>   |
| <b>Section 4.26.1</b>   | <b>Updated WSDOT Design Manual reference.</b>                                    |
| <b>Section 4.26.2</b>   | <b>Updated AASHTO Guide reference.</b>   |
| <b>Section 4.26</b>     | <b>Updated bike trail width requirement, and reference figure.</b>               |
| <b>Section 4.27</b>     | <b>Added City Trail section.</b>   |

#### **DIVISION 5 SITE ACCESS/DRIVEWAYS**

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| <b>Section 5.5.A</b> | <b>Revised section formatting. Information is unchanged.</b>                                     |
| <b>Section 5.5.B</b> | <b>Added section for corner clearances from roundabouts, with associated figures and tables.</b> |
| <b>Section 5.5.C</b> | <b>Added section for corner clearances exceptions.</b>   |
| <b>Section 5.5.D</b> | <b>Added section access points near stop or signalized intersections.</b>                        |

#### **DIVISION 6 WATER DESIGN STANDARDS**

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| <b>Section 6.2.C.3</b> | <b>Revised flow velocity requirements.</b>   |
| <b>Section 6.2.L</b>   | <b>Specified material that thrust blocking can be placed against.</b>                      |
| <b>Section 6.3.L</b>   | <b>Specified that duplexes, triplexes, and fourplexes need to be individually metered.</b> |

#### **DIVISION 7 SEWER DESIGN STANDARDS**

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| <b>Section 7.3.D.1</b> | <b>Added requirement for frost free hose bib within 10'-0" of wet well hatch.<br/>Added that premanufactured wet wells can be accepted upon approval from the City.</b> |
| <b>Section 7.4.C.2</b> | <b>Added limit of 2 services on a single 6" sewer service.</b>  |

#### **DIVISION 8 STORM DRAINAGE AND EROSION CONTROL**

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| <b>Section 8.2.4</b> | <b>Added section to require digital copy of stormwater models to be submitted to the City of Lynden.</b> |
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## **DIVISION 9 STANDARD FORMS**

Full Section Revision.

## **DIVISION 10 PERMIT APPLICATIONS**

Full Section Revision.

## **LIST OF REVISED FIGURES BY DIVISION:**

\*Note: All figures have been updated to be on the most recent title blocks and using uniform font and text size. Some figures have been renumbered,

### **DIVISION 4 STREET DESIGN STANDARDS**

#### **Figure 4-2**

- Updated HMA terminology.
- Added notes 8-10.

#### **Figure 4-3**

- Updated HMA terminology.
- Added notes 3,4,6-9.

#### **Figure 4-4**

- Updated HMA terminology.
- Added notes 3,4,6-9.

#### **Figure 4-5**

- Updated HMA terminology.
- Removed specific shoulder requirements.

#### **Figure 4-6**

- Figure added for fill slopes.

#### **Figure 4-7**

- Figure added for City trail section.

#### **Figure 4-9**

- Updated object height requirements.
- Added 18' distance requirement from drivers' eye to edge of traveled way.

#### **Figure 4-12**

- Figure added for monument in pavement.

#### **Figures 4-14 through 4-17**

- Updated to current WSDOT standard plan.

#### **Figure 4-21 through 4-27**

- Updated to current WSDOT standard plan.

#### **Figure 4-28**

- Updated HMA terminology.
- Removed Petrotac requirement.
- Revised note organization for clarity, no note content revisions.

#### **Figure 4-29**

- Added figure for path adjacent to curb and gutter.

**Figure 4-33**

- Added “TYPE 3 END-OF-ROADWAY BARRICADE” figure.

**Figure 4-34**

- Added “TYPE 1 BOLLARD STANDARD” figure.

**Figure 4-35**

- Added “STANDARD JOINT AT WIDENED STREET” figure.

**Figure 4-36**

- Added “CASTINGS OUTSIDE OF HARDENED SURFACE” figure.

**DIVISION 5 SITE ACCESS/DRIVEWAYS**

**Figures 5-1 and 5-2**

- Split and revised former detail 5-1 for clarity.
- Updated linework for clarity.

**Figure 5-3**

- Added “ACCESS POINT DISTANCE FROM ROUNDABOUT” figure.

**Figure 5-5**

- Updated to current WSDOT standard plan.

**DIVISION 6 WATER DESIGN STANDARDS**

**Figure 6-1**

- Updated acceptable hydrants.

**Figure 6-2**

- Arranged for clarity.

**Figure 6-3**

- Arranged and updated for clarity.

**Figure 6-4**

- Arranged and updated for clarity.

**Figure 6-7**

- Added screw-type adjustment valve box requirement.

**Figure 6-9**

- Arranged and updated for clarity.

**Figure 6-13**

- Arranged and updated for clarity.

**Figure 6-16**

- Arranged and updated for clarity.

**Figure 6-17**

- Updated to current WSDOT standard plan.

**Figure 6-18**

- Removed Petrotac requirement.

## **DIVISION 7 SEWER DESIGN STANDARDS**

### **Figure 7-2**

- Updated to current WSDOT standard plan.

### **Figure 7-3**

- Updated to current WSDOT standard plan.

### **Figure 7-4**

- Updated to current WSDOT standard plan.

### **Figure 7-7**

- Updated to current WSDOT standard plan.

### **Figure 7-8**

- Revised to show cleanout information.

### **Figure 7-9**

- Added notes 1-3 to specify additional cleanout requirements.

### **Figure 7-13**

- Updated to current WSDOT standard plan.

### **Figure 7-14**

- Removed Petrotac requirement.

## **DIVISION 8 STORM DRAINAGE AND EROSION CONTROL**

### **Figure 8-1**

- Updated to current WSDOT standard plan.

### **Figure 8-2**

- Updated to current WSDOT standard plan.

### **Figures 8-4 through 8-8**

- Updated to current WSDOT standard plan.

### **Figure 8-9**

- Revised to show full height hood for thru-curb frame and grate.

### **Figure 8-10 and 8-11**

- Updated to current WSDOT standard plan.

### **Figure 8-12**

- Removed Petrotac requirement.

**Flow chart 8-1 and 8-2 were updated to the most recent Stormwater Management Manual for Western Washington.**

**NOW, THEREFORE BE IT RESOLVED** by the Lynden City Council of the City of Lynden, Washington, as follows:

Section 1: That the aforesaid Project Manual be adopted as revised as the official Project Manual for Engineering Design and Development standards for the City of Lynden, Whatcom County, Washington.

Section 2: BE IT FURTHER RESOLVED that any resolutions or parts of resolutions in conflict herewith are hereby repealed insofar as they conflict with the provisions of this

resolution.

Section 3: If any section, subsection, sentence, clause or phrase of this Resolution is for any reason held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining portions of this Resolution. The Council hereby declares that it would have passed this code and each section, subsection, sentence, clause and phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases has been declared invalid or unconstitutional, and if, for any reason, this Resolution should be declared invalid or unconstitutional, then the original Resolution or Resolutions shall be in full force and effect.

Section 4: This resolution shall be in full force and effect on November 16, 2020.

**PASSED BY THE CITY COUNCIL** of the City of Lynden, Whatcom County, Washington, on the 16<sup>th</sup> day of November, 2020 and signed and approved by the Mayor on the same date.

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MAYOR SCOTT KORTHUIS

**ATTEST:**

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CITY CLERK

APPROVED AS TO FORM:

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CITY ATTORNEY