**Castle Rock Water**
175 Kellogg Court, Castle Rock CO 80109
720-733-6000

# Final Utility Report Checklist

The Final Utility Report must be in conformance with the latest Town of Castle Rock Water and Wastewater System Design Criteria Manuals, available on the Town's website.

For the Final Utility Report, the Preliminary Utility Report and associated hydraulic modeling shall be thoroughly updated to reflect the final design and layout of all water/wastewater system facilities and mains since the approval of the Site Development Plan (SDP), and as now shown on the Construction Drawings (CDs). The Final Utility Report shall describe adherence to the Preliminary Utility Report or describe deviations, and shall resolve any outstanding issues regarding the Town's ability to serve the development. As applicable, hydraulic modeling shall be provided for both the initial phase of development represented on the CDs, and for full build-out of the overall site. The Final Utility Report shall include a discussion of applicable SCADA requirements.

The following outline sets forth the **required minimum** content to be provided in the Final Utility Report that shall be submitted with the CDs. This report must be prepared by, or the report preparation supervised by a registered Professional Engineer licensed in Colorado. A copy of this checklist must be submitted with the Final Utility Report.

Please check off the following items to assure your report is complete. Appropriate notations shall be provided with the checklist. For example, if a specific item is not addressed or not applicable, an explanation needs to be provided.

| Included | N/A | |
|---|---|---|
| X | | **TITLE SHEET** |
| X | | A. Name of Project, including legal name of development |
| | X | B. Address |
| X | | C. Owner |
| X | | D. Developer |
| X | | E. Engineer |
| X | | F. Submittal date and revision dates as applicable |
| X | | **APPROVAL BLOCK SHEET** (Available on Town's website) |
| X | | **TABLE OF CONTENTS** |
| X | | **PROJECT LOCATION AND DESCRIPTION** |
| X | | A. Site Location |
| X | | B. Description of Property and Land Use |
| X | | **CALCULATED WATER DEMANDS** |
| X | | A. Average Day Demands (ADD) |
| X | | B. Max Day Demands (MDD) |

# Final Utility Report – Formatting Checklist

| Included | N/A | |
|---|---|---|
| X | | **CALCULATED WATER DEMANDS (CONT.)** |
| X | | C. Peak Hour Demands (PHD) |
| X | | D. Irrigation Demands |
| X | | **EXISTING WATER SYSTEM** |
| X | | A. Existing Distribution System |
| X | | B. Existing Supply Facilities |
| X | | **PROPOSED WATER SYSTEM** |
| X | | A. Proposed Distribution System |
| | X | B. Proposed Supply Facilities |
| X | | C. Required Fire Flows |
| X | | D. Land Dedication Requirements |
| X | | **PROPOSED WATER SYSTEM ANALYSIS AND MODELING** |
| X | | A. Hydraulic Models |
| X | | B. Hydraulic Modeling Scenarios |
| X | | C. Hydraulic Modeling Output and Required Schematics |
| X | | D. Fire Flow Test Results |
| X | | **CALCULATED WASTEWATER FLOWS** |
| X | | A. Average Day Wastewater Flows (ADF) |
| X | | B. Peaking Factor (PF) |
| X | | C. Peak Design Flows (PDF) |
| X | | **EXISTING WASTEWATER SYSTEM** |
| X | | A. Existing Collection System |
| X | | **PROPOSED WASTEWATER SYSTEM** |
| X | | A. Proposed Collection System |
| | X | B. Proposed Wastewater Facilities |
| X | | C. Land Dedication Requirements |
| X | | **PROPOSED WASTEWATER SYSTEM ANALYSIS AND MODELING** |
| X | | A. Hydraulic Models |
| X | | B. Hydraulic Modeling Scenarios |
| X | | C. Hydraulic Modeling Output and Required Schematics |
| X | | **POTENTIAL SUBDIVISION IMPROVEMENTS AGREEMENT (SIA) ITEMS** |
| X | | **POTENTIAL PERMITTING REQUIREMENTS** |
| X | | **REFERENCES** |

# Final Utility Report – Formatting Checklist

| Included | N/A | |
|---|---|---|
| | | **APPENDICES** |
| X | | Appendix A — Water Demands |
| | | Water Fixture Unit Counts and Tap/Meter Sizing Calculations |
| X | | Irrigation Demands |
| | | Hydraulic Worksheet(s) and Irrigation Chart(s) |
| X | | Appendix B — Water Storage |
| | | Confirmation Memo for Required Fire Flow |
| X | | Appendix C — Water Hydraulic Analysis and Modeling |
| X | | Fire Flow Test Results |
| X | | Appendix D — Wastewater Flows |
| X | | Appendix E — Wastewater Hydraulic Modeling |
| X | | Appendix F — Maps and Plans |
| X | | A. Vicinity Map |
| X | | B. Utility Map(s) provided by the Utilities Department |
| | | C. Overall Utility Plan from the CDs |
| | | D. Water/Wastewater Utility Plan(s) |

**Notes/Comments:**