SUBJECT	ISSUED BY	REVISION DATE
ROAD CONSTRUCTION AND STORM WATER DRAINAGE STANDARDS SUPPLEMENTAL **MINIMUM STORM WATER REPORT REQUIREMENTS**	Public Works	0.0

A. GENERAL INFORMATION:

The general information section shall include a written project description clearly providing information for the site and proposed development. At a minimum, it should contain the following:

- Description of the existing site location, size, and proposed use
- General overview of drainage patterns
- FEMA Classification
- Wetland and USACE issues (if any)
- Soils Report including source of information.
- Table of runoff coefficients used in the analysis include source of information.
- Existing conditions analysis (See Item B)
- Proposed conditions analysis (See Item C)
- Conclusions and recommendations (See Item D)

B. EXISTING CONDITIONS ANALYSIS

- Existing Drainage Area Map - Including all on-site and off-site areas and outfall location (may be combined with Proposed Drainage Area Map).
- Points of Interest (POIs) for each drainage area (may be referenced and included in appendix)
- Description of each drainage area exiting the site – Including existing drainage pattern, size of sub-area, breakdown of on-site and off-site portions, and location of POI(s)
- Table summarizing input data – Including subarea, size, composite CN, and time of concentration. Include composite c formula.
- Tables summarizing peak runoff data per subarea and per POI for the 10 and 100 year Storm
- Off-site contributors to drainage area present in existing condition drainage area map for a POI
- Table summarizing how these drainage areas were accounted in the calculation of the allowable peak flow rate at the various POIs

C. PROPOSED CONDITIONS ANALYSIS

- Proposed drainage area map (may be combined with Existing Drainage Area Map)
- Narrative description of all proposed drainage areas and POIs, with comparison to existing conditions. (for RR 2.5 and RR 5.0 zoning, assume a minimum of 10,000 sq ft of additional impervious area for each residential lot)
- Table summarizing input data – Including subarea, size, composite CN, and time of concentration. Include composite c formula.

- Proposed peak runoff data per subarea and per POI
- Tables comparing existing and proposed release rates for drainage areas and POIs
- **Provide Detention Analysis or a quantitative analysis of why detention is not required (such as water surface increase in existing streams or culverts adjacent to the site. If neither is available, model the flow through a hypothetical 10 wide trapezoidal channel with 5H:1V side slopes. Show the 10-year and 100-year flows pre and post development). Water surface increases shall be measured in inches or feet.**

D. CONCLUSIONS AND RECOMMENDATIONS

- Overview of the report – summarize existing vs proposed
- Indicate quantitively how the development will not impact existing downstream structures or infrastructure.

Note: The current adopted Road Construction and Storm Water Drainage Standards for Leavenworth (KS) County Department of Public Works includes the APWA Section 5600 Design Criteria - Storm Drainage Systems and Facilities (March 1990). This version of the Design Criteria does not include the MARC BMP Requirements. Therefore, storm water treatment requirements do not need to be included in the report.