



**DEVIATION REQUEST** (Attach diagrams, figures, and other documentation to clarify request)

A deviation from the standards of or in Section **STD. DWG. SD4-2** of the Engineering Criteria Manual (ECM) is requested.

Identify the specific ECM standard which a deviation is requested:

Centerline of storm sewer alignment shall be 6' offset into the pavement from top back of curb.

State the reason for the requested deviation:

While all proposed public storm mains have been located under the public road asphalt, there are limited occurrences of large diameter storm bends being located under the proposed curb and gutter at the angle points only.

Explain the proposed alternative and compare to the ECM standards (May provide applicable regional or national standards used as basis):

In order to relocate the bend fittings under the asphalt, additional bends (and therefore additional manholes) would need to be added to the system. These limited locations are comprised only of the bends. The storm pipe alignment is also determined by utility separation requirements, and tying into recently constructed infrastructure in the adjacent filing.

**LIMITS OF CONSIDERATION**

(At least one of the conditions listed below must be met for this deviation request to be considered.)

- The ECM standard is inapplicable to the particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

Provide justification:

The urban local Mesa Top Drive includes water, sanitary and storm mains. Required separation distances create a very compact street section, and with limited larger diameter storm radius diameter, the proposed pre-fab bend encroachment under the curb is realized.

**CRITERIA FOR APPROVAL**

Per ECM section 5.8.7 the request for a deviation may be considered if the request is **not based exclusively on financial considerations**. The deviation must not be detrimental to public safety or surrounding property. The applicant must include supporting information demonstrating compliance with **all of the following criteria**:

The deviation will achieve the intended result with a comparable or superior design and quality of improvement.

No detrimental impacts to design and quality of improvement will be realized as the desired 100 year storm conveyance will still be realized.

The deviation will not adversely affect safety or operations.

There are no safety or operation concerns with this request, as the subsurface conveyance of drainage flows will still be realized.

The deviation will not adversely affect maintenance and its associated cost.

No adverse impacts to maintenance or its associated costs will be realized, as even strict adherence to county standards would result in curb and gutter replacement if the system needed repair. The isolated bend locations are a small portion of the 2665 linear feet proposed public storm system.

The deviation will not adversely affect aesthetic appearance.

No adverse impacts to aesthetics will be realized, as this is a sub-surface system only.

The deviation meets the design intent and purpose of the ECM standards.

Design intent and purpose of the ECM standards is not compromised, as conveyance of the full 100 year storm flows will be realized.

The deviation meets the control measure requirements of Part I.E.3 and Part I.E.4 of the County's MS4 permit, as applicable.

As required and reflected in the prior approved Drainage Report for this overall site, and specifically for the Filing No. 7 site in the Final Drainage Report, Stormwater Quality is being provided for the entire proposed site, and the storm system in question conveys those flows to the pond.

**REVIEW AND RECOMMENDATION:**

**Approved by the ECM Administrator**

This request has been determined to have met the criteria for approval. A deviation from Section \_\_\_\_\_ of the ECM is hereby granted based on the justification provided.

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**Denied by the ECM Administrator**

This request has been determined not to have met criteria for approval. A deviation from Section \_\_\_\_\_ of the ECM is hereby denied.

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**ECM ADMINISTRATOR COMMENTS/CONDITIONS:**

## **1.1. PURPOSE**

The purpose of this resource is to provide a form for documenting the findings and decision by the ECM Administrator concerning a deviation request. The form is used to document the review and decision concerning a requested deviation. The request and decision concerning each deviation from a specific section of the ECM shall be recorded on a separate form.

## **1.2. BACKGROUND**

A deviation is a critical aspect of the review process and needs to be documented to ensure that the deviations granted are applied to a specific development application in conformance with the criteria for approval and that the action is documented as such requests can point to potential needed revisions to the ECM.

## **1.3. APPLICABLE STATUTES AND REGULATIONS**

Section 5.8 of the ECM establishes a mechanism whereby an engineering design standard can be modified when if strictly adhered to, would cause unnecessary hardship or unsafe design because of topographical or other conditions particular to the site, and that a departure may be made without destroying the intent of such provision.

## **1.4. APPLICABILITY**

All provisions of the ECM are subject to deviation by the ECM Administrator provided that one of the following conditions is met:

- The ECM standard is inapplicable to a particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship on the applicant, and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

## **1.5. TECHNICAL GUIDANCE**

The review shall ensure all criteria for approval are adequately considered and that justification for the deviation is properly documented.

## **1.6. LIMITS OF APPROVAL**

Whether a request for deviation is approved as proposed or with conditions, the approval is for project-specific use and shall not constitute a precedent or general deviation from these Standards.

## **1.7. REVIEW FEES**

A Deviation Review Fee shall be paid in full at the time of submission of a request for deviation. The fee for Deviation Review shall be as determined by resolution of the BoCC.