

# **Planning and Community** Development Department 2880 International Circle

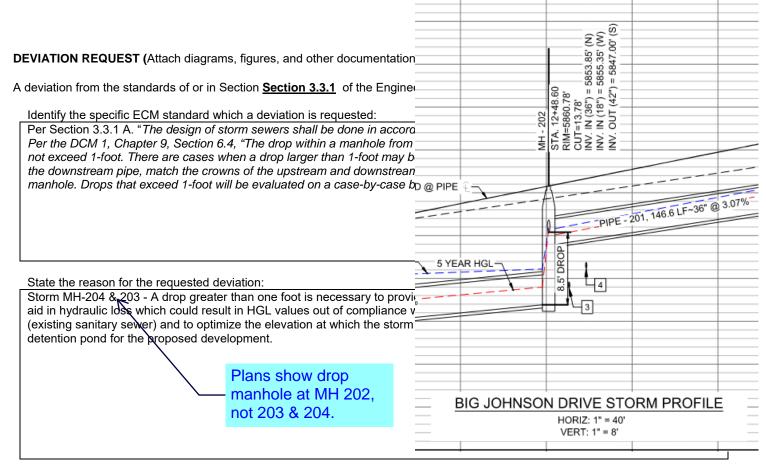
AND DECISION FORM orado 80910

Updated: 6/26/2019

**DEVIATION REQUEST** 

	2880 international Circle
	Colorado Springs, Colorado
	hone: 719.520.6300
	Fax: 719.520.6695
CALL ISO	Website www.elpasoco.com

PROJECT INFORMA	ATION	
Project Name :	Trails at Aspen Ridge Filing No. 2	
Schedule No.(s):	5500000412	
Legal Description :	Unplatted Land	
APPLICANT INFOR	MATION	
Company :		
Name :		Attached the plan & profile
	☑ Owner ☐ Consultant ☐ Contractor	
Mailing Address :	•	
	Colorado Springs, CO 80921	
Phone Number :	(719) 382-9433	
FAX Number :		
Email Address :		
ENGINEER INFORM	IATION	
Company :	Matrix Design Group	
Name :	Jesse Sullivan	Colorado P.E. Number: 55600
Mailing Address :	2435 Research Parkway, Suite 300	
	Colorado Springs, CO 80920	
Phone Number :	719-575-0100	
FAX Number :		
Email Address :	Jesse.sullivan@matrixdesigngroup.com	
To the best of my known and complete. I am have familiarized my understand that an ir Board of County Con	fully aware that any misrepresentation of any in self with the rules, regulations and procedures accorrect submittal will be cause to have the pro anmissioners and/or Board of Adjustment or del sed on the representations made in the applica	d all additional or supplemental documentation is true, factual information on this application may be grounds for denial. I with respect to preparing and filing this application. I also eject removed from the agenda of the Planning Commission, ay review until corrections are made, and that any approval of ation and may be revoked on any breach of representation or
Signature of owner (	or authorized representative)	Date
Engineer's Seal, Signatur		
	L	



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

The existing sanitary sewer presents a challenge for the installation of the storm sewer. Without the drop manhole storm sewer will be placed in deep installations (greater than 18 feet) due to the size of the pipe and to avoid sanitary sewer service conflicts of the existing sanitary sewer. By using the drop manholes, the storm sewer is above the services within Big Johnson Drive with a more conventional installation and the deep sewer installation is limited to short segments. Drop manholes in excess of 1-ft have been approved under the DCM Volume 1 for similar situations within adjacent municipalities. Drops greater than 1-ft require additional concrete strength and scour protection which is proposed with this design in the form of Class D concrete for the manholes and provision of a 1' sump for energy dissipation.

202 does not show existing SS. Update paragraph.

(/	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 storm sewer installation needs to coordinate to avoid conflict with the existing and proposed Sanitary sewer mains and associated sanitary sewer services. The design as presented, eliminates deep storm sewer installation that would require excessive shoring and sanitary sewer protection (because it may have to be installed below the sanitary) and potentially dangerous installation and long-term deep manhole access points for maintenance. Downstream of the drop manhole, the storm sewer is adjusted to a flatter grade to daylight to the existing pond and does not require a steeper pipe slope which would increase velocities (above 18 fps).
•	
С	RITERIA FOR APPROVAL
<u>c</u>	er ECM section 5.8.7 the request for a deviation may be considered if the request is <b>not based exclusively on financial</b> onsiderations. The deviation must not be detrimental to public safety or surrounding property. The applicant must include upporting 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.
	Per Section 5.8 of the ECM, "Section 5.8 of the ECM establishes a mechanism whereby an engineering design standard can be modified when if strictly adhered to, would cause <u>unnecessary hardship</u> 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"
	The design revision provides a superior design to the storm drain with relation to the existing utility constraints, conventional construction practices, and enables the pipe velocities to meet EPC criteria.
	The deviation will not adversely affect safety or operations.
	The proposed deviation will not adversely impact safety or operations by allowing the shallow installation of the storm drain and creating shallower manholes instead of deep (greater than 18-ft) access manholes for maintenance. Construction safety will be enhanced because the installation will not require additional protective shoring and working around existing installed utilities.

LIMITS OF CONSIDERATION

Proposed access to the drop manhole will be in conformance with all pertinent safety and maintenance guidelines and will not	
increase maintenance costs.	
The deviation will not adversely effect agethetic appearance	
The deviation will not adversely affect aesthetic appearance.	
Aesthetic appearance will not be changed as the proposed deviation is a storm manhole and will appear as such in the field.	
The deviation meets the design intent and purpose of the ECM standards.	
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# **REVIEW AND RECOMMENDATION:**

Approved by the ECM Administrator		
This request has been determined to have met the criteria for approva hereby granted based on the justification provided.	II. A deviation from Section	of the ECM is
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L	T	
<b>Denied by the ECM Administrator</b> This request has been determined not to have met criteria for approva hereby denied.	ıl. A deviation from Section	of the ECM is
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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.

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PCD File No.