



Planning and Community
Development Department
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DEVIATION REQUEST AND DECISION FORM

Updated: 6/26/2019

PROJECT INFORMATION

Project Name : RIVERBEND RESIDENTIAL FILING NO. 1 AND 2
 Schedule No.(s) : 6514100033, 6514100034
 Legal Description : A PORTION OF THE NORTHEAST QUARTER OF SECTION 14, T15S, R66W OF THE 6TH P.M.

APPLICANT INFORMATION

Company : CATAMOUNT ENGINEERING
 Name : DAVID MIJARES
 Owner Consultant Contractor
 Mailing Address : PO BOX 221
 WOODLAND PARK, CO

 Phone Number : 719-426-2124
 FAX Number :
 Email Address : DAVID@CATAMOUNTENG.COM

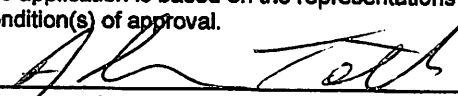
ENGINEER INFORMATION

Company : CATAMOUNT ENGINEERNIG
 Name : DAVID MIJARES
 Mailing Address : PO BOX 221
 WOODLAND PARK, CO

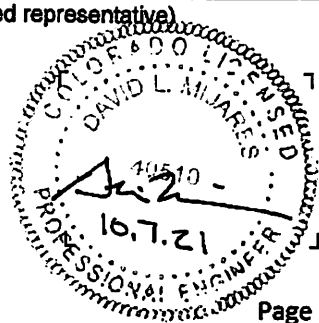
 Phone Number : 719-426-2124
 FAX Number :
 Email Address : DAVID@CATAMOUNTENG.COM
 Colorado P.E. Number : 40510

OWNER, APPLICANT, AND ENGINEER DECLARATION

To the best of my knowledge, the information on this application and all additional or supplemental documentation is true, factual and complete. I am fully aware that any misrepresentation of any information on this application may be grounds for denial. I have familiarized myself with the rules, regulations and procedures with respect to preparing and filing this application. I also understand that an incorrect submittal will be cause to have the project removed from the agenda of the Planning Commission, Board of County Commissioners and/or Board of Adjustment or delay review until corrections are made, and that any approval of this application is based on the representations made in the application and may be revoked on any breach of representation or condition(s) of approval.


 Signature of owner (or authorized representative) _____ Date 10/7/21

Engineer's Seal, Signature
And Date of Signature



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

A deviation from the standards of or in Section ECM Section 4.3.6.A.1 of the Engineering Criteria Manual (ECM) is requested.

Identify the specific ECM standard which a deviation is requested:

Water Mains: At no time shall a water main be placed less than 5 feet in depth measured perpendicularly to the ground line at any point of the road cross section.

State the reason for the requested deviation:

Water system falls within Security Water District and the distribution system will be owned and maintained by the District. The water District Standard requires that the required depth to water mains less than 12" in diameter be five feet from the invert of the pipe.

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

The water system is designed in accordance with the requirements of Security Water District with 5' of depth to invert of pipe. The ECM standard is 5' of cover from the top of the 8" pipe. Security Water District requires that systems they will own and maintain conform their criteria in order to be approvable by the Security Water District.

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:

Security Water District is requiring that the system they will own and maintain conform to their District Standards which are in conflict with El Paso County Standards. The depth criteria is more critical for the District who will ultimately have responsibility for the water system within the Riverbend Developments.

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.

Reducing cover by 8" will not impact El Paso County maintenance of street system as additional utilities within the ROW corridor (gas, electric, telecommunications, storm sewer) are designed with less cover.

The deviation will not adversely affect safety or operations.

Reducing cover by 8" will not affect the safety or operation of the water or roadway systems.

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

Reducing cover by 8" will not affect the maintenance of water or roadway systems. Resurfacing operations will not approach depth of water main. Additional utilities within the roadway will be installed with less cover than the water system.

The deviation will not adversely affect aesthetic appearance.

Depth of underground utilities will not affect appearance of roadway.

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

Reducing cover by 8" will not affect the design intent and purpose of roadway standards.

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.

Depth of underground utilities does not affect County MS4 permit.

REVIEW AND RECOMMENDATION:

Approved by the ECM Administrator

This request has been determined to have met the criteria for approval. A deviation from Section 4.3.6.A.1 of the ECM is hereby granted based on the justification provided.

┌ **APPROVED** ┐
└ Engineering Department ┘
11/28/2021 3:19:01 PM
dsdnijkamp
EPC Planning & Community
Development Department

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.

Security Water and Sanitation Districts / Enterprises

231 SECURITY BLVD. • COLORADO SPRINGS, COLORADO 80911
TELEPHONE 719-392-3475 • FAX 719-390-7252
www.securitywsd.com

September 13, 2021

Mr. David Mijares, P.E.
Catamount Engineering
321 W. Henrietta Avenue
Woodland Park, CO 80866

*Via Electronic Mail: david@catamounteng.com
No Hard Copy to Follow*

RE: Security Water District Water Distribution System
Riverbend Residential Filing No. One (1) and No. Two (2)

Dear David:

This letter is a follow up to your discussion with Roger Sams, GMS, Inc., Consulting Engineers, regarding preparation of design and construction documents for the water distribution system in the Riverbend residential subdivisions Filing No. One (1) and No. Two (2). In accordance with the Security Water District's (SWD's) design criteria and standard specifications, the normal depth of cover on the water distribution system is to be five (5) feet to the bottom of pipelines less than 12-inches in diameter and four (4) feet to the top of pipelines 12-inches and larger in diameter. It is required that the construction documents be prepared with these criteria to be approvable by the Security Water District.

As with other recent water system improvement projects in the Security Water District, the District desires that the El Paso County (EPC) Department of Public Works provide for an approved, "Deviation Review and Decision Form." That will permit construction of the distribution system improvements at the standard depth of soil cover specified in the District's design criteria and standard specifications. Based on your discussion with Roger Sams, it is understood that you will prepare and submit the, "Deviation Review and Decision Form," if required. The deviation request should provide for the construction of the distribution system improvements to utilize a standard depth of cover based on a 5-foot deep trench, i.e. bottom of pipe, or a minimum cover of 4-feet. For this particular project utilizing 8-inch diameter pipe, the depth of cover will be approximately 4.2 to 4.3-feet.

On behalf of the Security Water District, we thank you very much for your attention to this matter. Should you have any questions or desire additional information, please contact the District's office or GMS, Inc. as necessary.

Sincerely,



Roy E. Heald, General Manager, Security Water District

REH/mer

ec: Mr. Roger J. Sams, P.E., GMS, Inc., Consulting Engineers
Ms. Dian Sukalski, Assistant General Manager, Security Water District
Mr. Rick Davis, Superintendent, Security Water District
Mr. Rick Reiter, El Paso County Department of Public Works; rickreiter@elpasoco.com

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