



Planning and Community
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DEVIATION REQUEST AND DECISION FORM

Updated: 6/26/2019

PROJECT INFORMATION

Project Name : Retreat at TimberRidge Fil No. 3
Schedule No.(s) :
Legal Description :

APPLICANT INFORMATION

Company : TimberRidge Development Group
Name : Austin Lenz
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Consultant <input type="checkbox"/> Contractor
Mailing Address : 2138 Flying Horse Club Dr. Colorado Springs CO, 80921
Phone Number : 719-785-3317
FAX Number :
Email Address : alenz@classichomes.com

ENGINEER INFORMATION

Company : Entech Engineering Inc.	Colorado P.E. Number : 52381
Name : Joseph C Goode III	
Mailing Address : 505 Elkton Dr Colorado Springs, CO 80907	
Phone Number : 719-531-5599	
FAX Number :	
Email Address : jcg@entechengineers.com	

Please include an exhibit of the roadways to receive the CTS treatment

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

Engineer's Seal, Signature
And Date of Signature



Digitally signed by Joseph C Goode III
Date: 08/23/24

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

A deviation in accordance with the Paving Season 2024 – UPDATED is requested.

Identify the specific ECM standard which a deviation is requested:

A deviation request to use cement treated subgrade (CTS) is submitted following the "Use of CTS for Paving Season 2024 – UPDATED" Memorandum requirement.

The development filing is Retreat at TimberRidge Fil No. 3 including roadways Roadways included are Hawks Hill Court, Antelope Ravine Drive, and Aspen Valley Road.

Please also include the ECM section for reference. ECM D.4.1.F

State the reason for the requested deviation:

The reason for the requested deviation is because the County has requested that appropriate controls be in place for construction of CTS, included as part of those controls is the deviation request.

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

Check this vs the pavement report

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

The proposed alternative includes the use of cement treated subgrade (CTS) as a base layer for the hot mix asphalt pavement section. ECM layer coefficients presented in Table D-3 (CTS strength coefficient = 0.11) was used for design of the pavement section. The overall structural number of 2.2 exceeds the required structural number of 2.20.

Microfracturing will be completed using the Standard Method as defined by Section 305 – Chemically Treated Subgrade

a. Microfracturing will be performed with the same (or equivalent tonnage) steel drum vibratory roller used for compaction of the CTS.

b. A minimum of 12-ton roller will be used.

c. Three full passes with the roller operating at maximum amplitude and traveling at 2- 3 mph shall be applied. If the treated material breaks up excessively at the surface, the vibration amplitude shall be decreased or eliminated.

d. Test report or letter stating the micro-fracturing was done per the above specifications.

Engineering and materials testing will be completed by Entech Engineering, who has performed materials testing including CTS testing within El Paso County since 1986.

Laboratory tests will be provided to the County as the project progresses.

Full time QC testing will be completed during CTS construction.

All field testing documents will be provided to appropriate County personnel.

CTS strengths will be tested at 7 days to determine field strengths prior to paving.

- Please include a discussion for each item from the *Use of CTS* pdf (1-9) and identify how the project will be in compliance with the document.

This discussion can be with in the report or the deviation, however please be concise and have it located in one place.

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:

As described above, the same design objective is achieved with a composite section of 3.0 inches HMA over 8.0 inches CTS with no compromise to public safety or accessibility.

Please describe the "design objectives" you are referring to. If you are referring to the SN, please include both the required and calculated CTS section structural number. Otherwise, please elaborate here.

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.

As described above the structural number for the proposed section will be higher than the ECM minimum.

The deviation will not adversely affect safety or operations.

The proposed change will not affect or change safety or operations.

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

The proposed change will not affect or change maintenance or maintenance costs.

Please expand on this item, a repeat of the statement above is not adequate. (comment by EN)

The deviation will not adversely affect aesthetic appearance.

The proposed change will not affect the aesthetic appearance.

Please expand on this item, a repeat of the statement above is not adequate. (comment by EN) ex: because it is underground

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

The deviation meets the design intent and purpose of the ECM while providing a superior structural number.

False statement. Criteria clearly states that there shall be base course, please add to your answer here.

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.

The deviation will meet the control measure requirements of Part I.E.3 and Part I.E.4.

Please state that it doesn't impact the MS4 requirements because of ... and that these requirements are being met for the overall subdivision development. Again, simply repeating the statement above is not adequate.

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.

Γ 7

L J

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.

Γ 7

L J

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.

V1_TimberRidge F3-Deviation Request Form_unlocked.pdf Markup Summary

Engineer (7)

field testing documents will be provided to appropriate County per
5 strengths will be tested at 7 days to determine field strengths per
Please include reference to the
Use of CTS pdf with each item
listed
Include a discussion for each item
from the Use of CTS pdf (1-9) and
identify how the project will be in
compliance with the document

Subject: Engineer
Page Label: 3
Author: dotdilts
Date: 8/30/2024 9:45:01 AM
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- Please include reference to the Use of CTS pdf with each item listed
- Include a discussion for each item from the Use of CTS pdf (1-9) and identify how the project will be in compliance with the document

PAV2412

Subject: Engineer
Page Label: 1
Author: dotdilts
Date: 8/30/2024 1:02:31 PM
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PAV2412

Please include an exhibit of the roadways to receive the CTS treatment

Subject: Engineer
Page Label: 1
Author: dotdilts
Date: 8/30/2024 1:03:47 PM
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Please include an exhibit of the roadways to receive the CTS treatment

side justification:
Described above, the same design objective is a
compromise to public safety or accessibility.
Please include both the standard and CTS section structural numbers

Subject: Engineer
Page Label: 4
Author: dotdilts
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Please include both the standard and CTS section structural numbers

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Subject: Engineer
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Subject: Engineer
Page Label: 3
Author: dotdilts
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Check this vs the pavement report