

Planning and Community Development Department 2880 International Circle Colorado Springs, Colorado 80910 Phone: 719.520.6300 Fax: 719.520.6695 Website www.elpasoco.com

DEVIATION REQUEST AND DECISION FORM

Updated: 6/26/2019

PROJECT INFORMATION

Project Name	Grandwood Ranch
Schedule No.(s):	6119000003
Legal Description :	S2N2, EX PT TO HIGBY RD CONV BY REC# 205092691 W/MR SEC 19-11-66

APPLICANT INFORMATION

Company 🗧 Grandwood Enterprises	
Name : Bill Herebic	
🛛 Owner 🛛 Consultant 🖾 Contractor	
Mailing Address 👘 270 Lodgepole Way, Monument, CO 80132	
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Phone Number 719-651-9152	
FAX Number :	
Email Address Herebic5@msn.com	

ENGINEER INFORMATION

Company :	Matrix Design Group		
Name :	Corey Petersen	Colorado P.E. Number : 56571	
Mailing Address	2435 Research Pkwy, Suite 300, Colorado Springs, CO 80920		
		2	
Phone Number :	719.575.0100		
FAX Number			
Email Address	Corey Petersen@Matrixdesigngroup.com		

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) opapproval.

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Signature of owner (or authorized representative)

Engineer's Seal, Signature And Date of Signature



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<u>|2-|8-2020</u> Date

PCD File No. __SF20026____

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

A deviation from the standards of or in Section 2.5.8 of the Engineering Criteria Manual (ECM) is requested.

Identify the specific ECM standard which a deviation is requested:

Section 2.5.8.C Design Standards for Roadside Ditches specifying 'Type C Grate Inlets are not permitted in roadside ditch applications'.

State the reason for the requested deviation:

Per El Paso County Criteria for rural development, roadway sections have been designed with a roadside ditch. An area inlet at the bottom of the roadside ditch is required in order to properly drain and convey stormwater to designated detention/water quality facilities.

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

The Colorado Department of Transportation (CDOT) provides many structures and details for development. The commonly used CDOT Type C Inlet has been proposed with this development in order or properly drain and convey stormwater with the roadside ditch. The ECM states that Type C inlets are not permitted and does not provide an alternative to the Type C inlet in order to convey stormwater from roadside ditches.



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:

Roadside ditches are required to convey stormwater through a rural development and an area drain is required to drain the lowpoints within the roadside swale. The CDOT Type C Inlet is a common area drain inlet used throughout the state with exceeding capacities for this development. The ECM does not provide an alternative to drain and convey stormwater from roadside ditches.

CRITERIA FOR APPROVAL

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

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

CDOT structures and details have been proven sufficient over many years of development as proper infrastructure. The Type C Inlet exceeds capacity requirements for roadside ditches within the development. Inlet calculations have been provided within the submitted Final Drainage Report showing superior functionality of the Type C Inlet for this development and achieves the intended result of stormwater infrastructure.

The deviation will not adversely affect safety or operations.

The CDOT Type C Inlet will not adversely affect safety or operations including drive path, snow plow path, etc. The inlet is proposed outside of the roadway, within the bottom of the roadside ditch (located 10-feet from the edge of the roadway shoulder). In addition, a roadside object marker (OM2-1V) will be installed near the inlet for additional safety and ease of maintenance.

PCD File No. ____SP195_

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



The deviation will not adversely affect aesthetic appearance.

The requested deviation will have no adverse affects on aesthetic appearance. All Type C Inlets are installed flush with the ground below the roadway and within the roadside ditch. Inlet locations will be outside of view for typical residential traffic.

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

The requested deviation meets the design intent and purpose listed within the ECM standards. The proposed alternative section provides adequate drainage infrastructure system for the proposed development. With low impervious development on 2.5 acre lots and existing ground containing a high infiltration rate, the overall stormwater system will exceed requirements and intent of the ECM 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. The requested deviation meets control measure requirements of the MS4 Permit. Grading and Erosion Control Plans and SWMP Report will provide protection of existing conditions and erosion control measures per standards.

REVIEW AND RECOMMENDATION:

Approved by the ECM Administrator

This request has been determined to have hereby granted based on the justification (e met the criteria for approval. A deviation from Section provided.	of the ECM is
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L	L	
Denied by the ECM Administrator This request has been determined not to I hereby denied.	have met criteria for approval. A deviation from Section	of the ECM is
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L	L	

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.

				7210	Descrithe de the dit	be in the proposed alternative regarding (pg 2) sign intent to locate the inlet at the back slope o ch, out of the ditch flowline.	f
			BACKS	7205 OBJECT MARKER OBJECT MARKER ROADSIDE DITCH LOW POINT GDOT TYPE C INLET FRONT EDGE OF INLET TO BE PLACED AT FLOWLINE. DOPE OF INLET TO DAYLIGHT TO BE MAX OF 3:1	DITCH FL	OWLINE	
			ITCH FLOWLINE 7203 TO BACKSLO	ROADSIDE DITCH LOW POINT CDOT TYPE C INLET FRONT EDGE OF INLET BE PLACED AT FLOWLINE. PE OF INLET TO DAYLIGHT TO BE MAX OF 3:1	PROPOSED EDC OF PAVEMENT	GE PROPOSED EDGE OF SHOULDER 7203 7201	- DITCH
					OBJECT MARKER	7201 7202 7202 7202 7202 7201 7200 7200 7198	
Title-W parcels :-1105-PR-SITE	##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### Mo. DATE	DESCRIPTION REVISIONS ENT Ranch\100 Dwg\105 Exhibits\-Type C Deviation.dwg	#### #### #### #### BY	SHEET KEY	BENCHMARK NGS T 294 ELEVATION - 7247.10' NAVD 88 BASIS OF BEARING: A LINE THAT IS 20' NORTH OF AND PARALLE 19, T11S, R66W, N89°56;32"W - 5135.84/. THE DI STATION PLANE COORDINATE SYSTEM, CEN PX 518" DIAMTED PEDAD 18" IN LENGTH WITH	L WITH THE EAST-WEST CETNER LINE OF SECTION RECTION IS A GRID BEARING OF THE COLORADO TRAL ZONE, N.A.D. 1983. THE LINE IS MONUMENTED	OWNER: SYLVAN VISTA, INC. WILLIAM F. HEREBIC II, MANAGE 14160 GLENEAGLE DRIVE COLORADO SPRINGS, CO 80921 PREPARED BY:





GRAPHIC SCALE

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	(IN FEET) 1 inch = 20 ft.			
EAL	GRANDWOOD RANCH			
	EL PASO COUNTY			
	TYPE C INLET EXHIBIT			
20.1105.004	DESIGNED BY:CAPSCALEDATE ISSUED:SEPTEMBER 2020DRAWING No.DRAWN BY:CAPHORIZ.1"=100'SHEET1 OF 1EX1CHECKED BY:JAVERT.N/ASHEET1 OF 1EX1			



	STANDARD PLAN NO.	
YPE C	M-604-10	
t Branch July 4,2012	Sheet No. 1 of 1	

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н	CONCRETE (CU. YDS.)	STEEL (LBS.)	ND. STEPS REQ'D.
2'-6"	0.9	75	0
3'-0"	1.0	80	0
3'-6"	1.2	96	0
4'-0"	1.3	101	1
4'-6"	1.4	116	2
5'-0"	1.5	122	2
5'-6"	1.7	137	2
6'-0''	1.8	142	3
6'-6"	1.9	158	3
7'-0"	2.0	163	3
7'-6"	2.2	179	4
8'-0"	2.3	184	4
8'-6''	2.4	199	4
9'-0"	2.5	205	5
9'-6''	2.7	220	5
10'-0''	3.0	235	6
11'-6''	3.4	251	6