Department of Public Works
2880 International Circle
Colorado Springs, Colorado 80910
Phone: 719.520.6300
Website: www.elpasoco.com

DEVIATION REQUEST AND DECISION FORM

Updated: 6/23/2026

PROJECT INFORMATION

Project Name :	Colorado Kids Ranch – 105 Access Improvements
Schedule No.(s) :	6116000001
Legal Description :	THAT PART OF N2 OF SEC LY E OF CANTERBURY WEST, N OF SADDLEWOOD RD + W OF CANTERBURY EAST SEC 16-11-66 L/MR

APPLICANT INFORMATION

Company :	Colorado Pumpkin Patch LLC
Name :	JD Chapman
	☒ Owner ☐ Consultant ☐ Contractor
Mailing Address :	18065 Saddlewood Road Monument, CO 80132
Phone Number :	719.799.6708
FAX Number :	
Email Address :	hello@coloradokidsranch.com

ENGINEER INFORMATION

Company :	HR Green		
Name :	Richard D. Lyon	Colorado P.E. Number :	53921
Mailing Address :	1975 Research Parkway, Suite 160 Colorado Springs, CO 80920		
Phone Number :	719.394.2435		
FAX Number :			
Email Address :	richie.lyon@hrgreen.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) of approval.

_____ _____

Signature of owner (or authorized representative) Date

Engineer's Seal, Signature
And Date of Signature

PCD File No. _____

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

A deviation from the standards of or in Section **2.3.2** of the Engineering Criteria Manual (ECM) is requested.

Identify the specific ECM standard which a deviation is requested:

2.3.2 – Design Standards by Functional Classification
Rural Principal Arterial Outside Shoulder Width (paved/gravel) - 12' (10'/2')
Rural Principal Arterial Lane Width - 12'

State the reason for the requested deviation:

Existing Right-of-Way limits, utilities, grading, and the existing County Road 105 cross section limit this project from being able to provide the standard outside shoulder widths for a rural principal arterial roadway and the standard through lane width through the proposed improvements.

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

The proposed alternative is to match the existing County Road 105 cross section to the east and west of the proposed development. The existing shoulder width provided is 4' (1' paved / 3' gravel). The proposed alternative shoulder width is 8' smaller than the ECM standard. The existing through lane width provided is 11'. The proposed alternative shoulder width is 1' smaller than the ECM standard.

PCD File No. _____

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:

Existing Right-of-Way limits, utilities, grading, and the existing County Road 105 cross section limit this project from being able to provide the standard outside shoulder widths and lane widths for a rural principal arterial roadway. The proposed alternative is to match the existing County Road 105 cross section to the east and west of the proposed development. This project will meet the minimum lane widths for additional turn lanes added to County Road 105.

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.

The deviation will provide an adequate shoulder and through lane width for traffic that is safe and consistent with the adjacent sections of County Road 105 to the east and west of the development.

The deviation will not adversely affect safety or operations.

The deviation will provide an adequate shoulder and through lane width for traffic that is safe and consistent with the adjacent sections of County Road 105 to the east and west of the development. It will not adversely affect the safety of drivers or operations on County Road 105.

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

The deviation will not adversely affect maintenance and cost, and remain consistent with the adjacent section of County Road 105 to the east and west.

The deviation will not adversely affect aesthetic appearance.

The deviation will not adversely affect aesthetic appearance, and remain consistent with the appearance of the adjacent section of County Road 105 to the east and west.

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

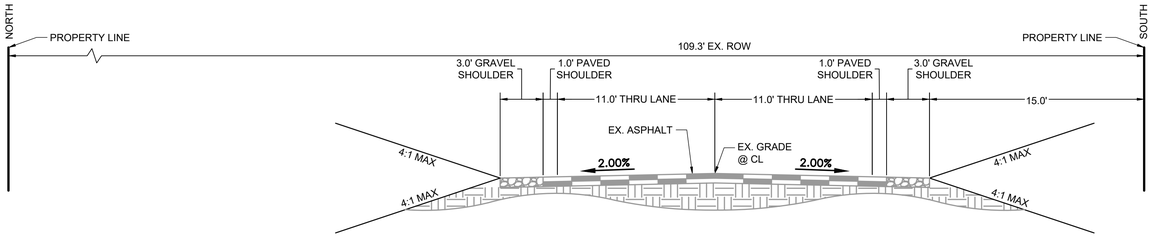
This deviation meets the design intent and purposed of the ECM standards and is not expected to adversely affect safety, operations, and costs and aligns with the ECM's intent to protect the general public.

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 not impact Part 1.E.3 and Part 1.E.4 of the County's MS4 Permit.

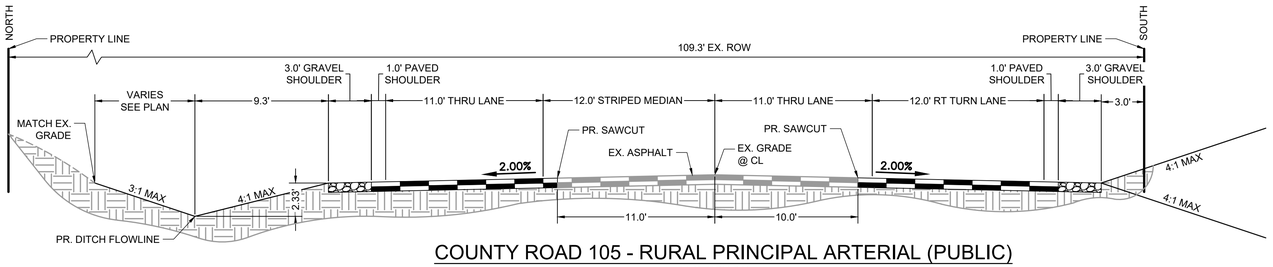
PCD File No. _____

CALLAHAN, SEAN, 10/16/2026 3:20 PM



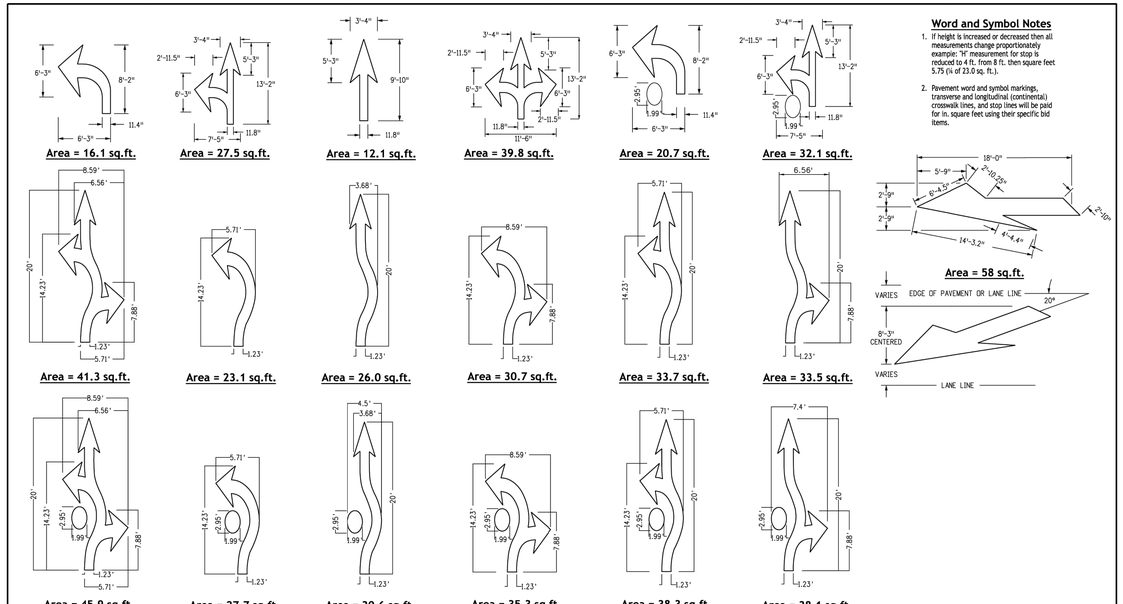
COUNTY ROAD 105 - RURAL PRINCIPAL ARTERIAL (PUBLIC)

EXISTING SECTION, STA: 10+00.00
SCALE: 1"=5'
DESIGN SPEED: 55 MPH
POSTED SPEED: 50 MPH



COUNTY ROAD 105 - RURAL PRINCIPAL ARTERIAL (PUBLIC)

STA: 16+87.00
SCALE: 1"=5'
DESIGN SPEED: 55 MPH
POSTED SPEED: 50 MPH



Word and Symbol Notes

1. If height is increased or decreased then all measurements change proportionately example: "H" measurement for stop is reduced to 4 ft. from 8 ft. then square feet 5.75 (¼ of 23.0 sq. ft.).
2. Pavement word and symbol markings, transverse and longitudinal (continental) crosswalk lines, and stop lines will be paid for in, square feet using their specific bid items.

Pavement Marking Words and Symbols (Page 2)

Computer File Information	Sheet Revisions		Colorado Department of Transportation	Pavement Markings	Standard Plan No.
Creation Date: 07/04/12	Date:	Comments	Traffic Safety & Engineering Services 2829 West Howard Place Denver, CO 80204 EB	Issued by the Traffic Safety & Engineering Services: July 01, 2026	S-627-1
Created By: AV					Standard Sheet No. 10 of 11
Last Modification Date: 07/01/26					
Last Modified By: NRR					Project Sheet Number:
CAD Ver.: ORD 10.12 Scale: Not to Scale Units: English					

MATERIAL PROPERTY DATA SHEET

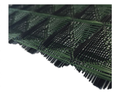
WESTERN GREEN

TMAX™

Permanent • 3-D Woven • UV Stable •
High Performance Turf Reinforcement Mat

DESCRIPTION

TMAX is a High-Performance Turf Reinforcement Mat (HP-TRM) produced by weaving 100% UV-stabilized, high denier synthetic mono-filament yarns woven into permanent, high-strength, three-dimensional structure. The optimized properties of the material provide immediate erosion control with excellent vegetation establishment and class-leading long-term turf reinforcement. Additionally, the high strength at low elongation is ideal for slope stability applications (when paired with deep-seated, high strength anchors) and is unique compared to other HPTRMs. The design life of TMAX is rated at fifty years in typical installations, however, can vary based on conditions. TMAX is made in the USA and monitored by quality assurance testing at a GAI-LAP accredited laboratory.



Material Content	
Woven , Single Layer	Green or Tan

Standard Roll Sizes				
Width	11.5 ft	(3.5 m)	11.5 ft	(3.5 m)
Length	78 ft	(24.0 m)	156 ft	(47.5 m)
Weight ± 10%	75 lb	(35.0 kg)	150 lb	(70.0 kg)
Area	100 sy	(83.6 m²)	200 SY	(167.0 m²)

Material available in custom roll sizes

Approvals & Classification	
Classification	FHWA: Type 5.C / ECTC: 5.F
TTI Approvals	N/A
NTPEP Number	N/A

Index Property	Test Method	MARV	
Thickness	ASTM D6525	0.4 in.	(9 mm)
Mass/Unit Area	ASTM D6566	10.0 oz/sy	(350 g/sm)
Tensile Strength – MD	ASTM D6818	4,400 lbs/ft	(64.2 kN/m)
Tensile Strength – TD	ASTM D6818	3,300 lbs/ft	(48.2 kN/m)
Elongation - MD	ASTM D6818	35%	
Elongation – TD	ASTM D6818	30%	
UV Stability	ASTM D4355	90% @6000 hr	
UV Stability	ASTM D7238	90% @6000 hr	
Resiliency	ASTM D6524	75%	
Light Penetration	ASTM D6567	25%	
Biomass Improvement	ASTM D7322	300%	
Specific Gravity	ASTM D792	57.4 lb/ft³	(0.92 g/cm³)
Porosity	ECTC	96%	
Carbon Footprint	GHG*	1.9 kg CO_2e/m^2	

Design Parameters		
Property	**Unvegetated**	**Vegetated[3]**
RUSLE C Factor[2]	N/A	N/A
Slope Maximum Gradient[1]	0.5H:1V	0.5H:1V
Permissible Shear Stress[2]	2.3 psf	16.0 psf (765 Pa)
Permissible Velocity[2]	8.0 fps	25.0 fps (7.6 m/s)
τ_{test} / τ_{max} (HEC-15)	N/A	0.47

Manning's n Roughness (HEC-15)		
n_{lower}	n_{mid}	n_{upper}
0.041	0.031	0.027

1 Maximum Gradient a recomendation for typical installations.
2 Hydraulic thresholds compliant with ASTM D6459/D6460 but generalized for typical applications.
3 Vegetated values dependent on established stand of vegetation
*WRI/WBCSD Greenhouse Gas Protocol: Product Life Cycle Accounting and Reporting Standard, 2013.

Rev. 4.2023
Scan for additional and updated product information, or click here.

NORTH AMERICAN GREEN

Western Green • 4609 E. Boonville-New Harmony Rd.
Evansville, IN 47725 • (800) 772-2040
westerngreen.com

811 UNCC CALL BEFORE YOU DIG 811 OR 1-800-922-1987 Utility Notification Center of Colorado

PCD FILE NO.: xxxxx

DRAWN BY: SPC	JOB DATE: 10/14/2026	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1"
APPROVED: RDL	JOB NUMBER: 2603197	IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD DATE: 10/16/2026		
CAD FILE: J:\2026\2603197\CAD\Dwgs\C\CDs\Details		

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

COLORADO KIDS RANCH - 105 ACCESS
CONSTRUCTION DOCUMENTS
EL PASO COUNTY, CO

CONSTRUCTION DOCUMENTS
DETAILS

SHEET C.06

06

HR GREEN Xrefs: xg1--1--dh01--24x36--CDS; Typical_Street_Sections

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.

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.

ECM ADMINISTRATOR COMMENTS/CONDITIONS:

PCD File No. _____

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.