



TECHNICAL MEMORANDUM

To: Mark Marlowe, P.E., Director, Castle Rock Water

Thru: Tim Friday, P.E., Assistant Director,

TFF
(initial)

Jeanne Stevens, P.E., Engineering Manager,

JMS
(initial)

David Van Dellen, P.E., Stormwater Manager,

DV
(initial)

From: Kevin Buffington, E.I., Plan Review Engineer

Date: April 10, 2019

Title: Technical Criteria Variance Application

Name: Castle Rock Industrial Park – Untreated Runoff

Number: TCV19-0020 and CD16-0019

Legal Description: Hillside at Castle Rock: TRACT IN SW1/4 3-8-67 & IN SE1/4SE1/4 4-8-67 46.72 AM/L LSP 3561 and TRACT IN SE1/4SW1/4 3-8-67 4.878 AM/L

Summary: Due to the topography constraints of the site and surrounding areas, 6.1% of the site (3.07 acres) will not convey to the full-spectrum detention pond. Of this area, less than 1.0 acre will be developed as impervious area.

Recommendation: X **Approve**

 Deny

Discussion: Section 13.1.4 of the Storm Drainage Design and Technical Criteria Manual: *New Development projects shall require that full-spectrum detention be provided for the entire site.*

Staff has reviewed the attached variance request and finds that it meets the general intent of the MS4 permit section I, part E.4.c.iv.(A)1 which allows for up to 20% of the area of the site to discharge untreated subject to physical constraints, not to exceed 1.0 acre. The applicable untreated area of the development is 0.49 acres.

For these reasons, I recommend approval of this variance.

Cc: Engineering Office Assistant (once finalized)



Development Services
100 N. Wilcox Street
Castle Rock, CO 80104
720-733-2200 FAX 720-733-2231

NO. TCV19-0020

DATE: 4/19/2019

TECHNICAL CRITERIA VARIANCE APPLICATION

DEVELOPMENT

Hillside at Castle Rock

LEGAL DESCRIPTION OF SUBJECT PROPERTY:

TRACT IN SW1/4 3-8-67 & IN SE1/4SE1/4 4-8-67 46.72 AM/L LSP 3561 46.7 acres
TRACT IN SE1/4SW1/4 3-8-67 4.878 AM/L 4.9 acres

VARIANCE REQUESTED:

Code Section(s) 14.1 of TOCR Storm Drainage Design and Technical Criteria Manual

Describe the Variance Requested:

The entire development site is captured and treated through a WQCV facility with the exception of offsite pervious areas and 0.49 acres of developed impervious area.

1. Describe the exceptional situation or condition that exists

Basins D1 and D2 are tributary to existing culverts in Wolfensberger Rd that convey runoff to the major drainage channel on the south side of Wolfensberger Road. Providing water quality and detention is not possible due to existing IREA lines and utility easement, which would obstruct pond and pipe installation. Basin D4 overlays the paved intersection of Grayside Circle and Wolfensberger Road. Stormwater improvements would be too low in elevation to convey runoff to the proposed Detention Pond A.

2. Describe the difficulty or hardship that would be created by a strict enforcement of the code

A. Basins D1 and D2 are not tributary to Detention Pond A.

B. Existing IREA utilities near the surface along the southern boundary of the site (north of the Wolfensberger right of way) control grade and prevent the installation of drainage channels or detention ponds and pipes in this area.

C. Basin D4 is too low in elevation to drain to Detention Pond A.

3. Describe why there would not be any adverse impact on public health, safety and welfare

Sub-Basins D1, D2, and D3 are mainly open-space areas and represent a very small portion of developed area. Since most of the basins are landscaped area, runoff will be very similar to historic flow rates. The runoff will pass through native grasses and roadside ditches, which will provide some bioretention of pollutants.

Additional Information:

1. Attach an improvement survey.
2. Attach a drawing showing the intended uses.
3. Provide any other information helpful to discussion.

PROPERTY OWNER

Name: Wolfensberger Property Group, LLC.

Address: 9116 W. Bowles Ave., Unit 15
Littleton, CO 80123

Phone #: (303) 979-9858

Fax #: _____

Signature of Applicant

APPLICANT'S REPRESENTATIVE (If applicable)

Name: Troy W. Denning P.E.

Address: 9800 Mt. Pyramid Ct, Suite 400
Englewood, CO 80112

Phone: (720) 895-1363

Fax: _____

For Staff Use Only

Staff Recommendation: Approved ☒ Yes ☐ No

Signature

- ☐ Public Works Director
☒ Utilities Director Castle Rock Water
☐ Parks & Recreation Director
☐ Development Services Director

Date

Comments

Conditions of Acceptance

