

Securing our future drop by drop

March 9, 2022

Via: Electronic Delivery

Water Quality Control Division WQCD-B2 4300 Cherry Creek Drive South Denver, CO 80246-1530

Subject: Town of Castle Rock Stormwater 2021 Annual Report

MS4 Colorado Discharge Permit No. COR-080012

To Whom It May Concern:

Attached is the Town of Castle Rock's 2021 Annual Report along with applicable attachments per Section 7.G.iii. The report documents the Town's implementation of the CDPS Stormwater Management Program in compliance with the conditions of the MS4 Permit.

If you have any questions regarding this report, please feel free to contact me at 720-733-6029.

Sincerely,

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

**Enclosures** 

Cc: Mark Marlowe, P.E., Director of Castle Rock Water

File





Dedicated to protecting and improving the health and environment of the people of Colorado

### COR080000 Renewal Permittees Annual Report Form

Municipal Separate Storm Sewer Systems (MS4s) General Permits Revised 10/2017

One original copy (no faxes or e-mails) of the completed annual report form and any required attachments, must be submitted to the address in the footer, below

| Part 1: Permit   | Identification  | Part B: Reporting Period Jan 1 through Dec 31  |  |  |
|--|---|--|--|--|
| General Permit Number: COR080000   |   | (Check one. Report is due by March 10 of the following year.)  |  |  |
| Certification Nur  | mber: COR08 0012  | □ 2017     □ 2018     □ 2019     □ 2020     ■ 2021   |  |  |
|  | tee Information (If there are any change<br>Town of Castle Rock | es, please submit a <u>Change of Contacts form</u> )   |  |  |
| Organization:  Mailing Address:  | 175 Kellogg Ct.   |  |  |  |
| Manning Addi C33.  |   |  |  |  |
|  | City: Castle Rock State: C                                      | Zip: <u>80109</u>  |  |  |
| Part 3: Site Co  | ntact Information (If there are any chanç                       | ges, please submit a <u>Change of Contacts form</u> )  |  |  |
| Facility Contact   | Name: J. David Van Dellen                                       |  |  |  |
|  | Title: Stormwater Manager                                       |  |  |  |
|  | Telephone No: <u>720-733-6029</u>                               |  |  |  |
|  | Email Address: dvandellen@crgov.co                              | om   |  |  |
| Part 4: Facility Information Have any areas been added or removed from the permit area due to annexation or other legal means?  YES NO   |   |  |  |  |
| If YES, provide the web address for an online map, below, or check "attached" below and attach an updated map labeled as "Part 4" that identifies the jurisdictional boundaries. |   |  |  |  |
| Provide the map's web address or indicate if a map is attached (if applicable):  |   |  |  |  |
| Is the permittee   |   | of the permit obligations (if applicable) that has not mit application (including reports under previous |  |  |
| If YES, attach a short narrative labeled as "Part 5" identifying the permit requirement and the entity relied on.  |   |  |  |  |



#### Part 7 - Program Implementation Report

(Part 6 of the report was only applicable to the 2016 report and has been removed)

#### 7.A) Compliance Schedule = required Annual Report Notifications

For all compliance schedule actions completed by January 1 of the year the report is due (including those actions completed prior to the reporting period), identify the date of completion. Refer to Part I.H of the permit.

#### Only complete those rows for which the deadline was met during the reporting period.

This table reflects all compliance schedule items for the permit term, which includes permit conditions that do not need to be met during the current reporting period.

| Permit<br>Condition                                    | Action   | Deliverable   | Deadline                                   | Date of Completion/ |
|--|--|---|--|---------------------|
|  | County growth area maps (Part I.A.3.a.ii(B))   |   |  | implementation      |
|  | Refer to Part I.H of the permit, not a require   | ed element for reporting in   | the annual report                          | ·                   |
| I.C.1, and PDD content requirements in Parts I.D and E | Complete PDD (contents must reflect terms and conditions that are in effect, i.e., following the associated compliance schedule deadline)          | Notification in annual report Due March 10, 2019                                    | Completed<br>January 1, 2019               | 12/2018             |
| I.E.2.a.ii,iii,v<br>I.E.3.c.ii,iii<br>I.E.4.c.ii,iii   | Complete all applicable changes to the regulatory mechanism(s): Ensure requirements are met; revise implementation and documentation if necessary. | Notification in annual report Due March 10, 2020                                    | Completed July<br>1, 2019                  | 7/2019              |
| I.E.1.a.i  | Illicit Discharges: Begin providing information targeting business(es) and the general public  | Notification in annual report Due March 10, 2019                                    | Begin<br>implementation<br>July 1, 2018    | 7/2018              |
| I.E.1.a.ii   | Education and Outreach Activities: Begin providing annual public education and outreach from Table 1.  | Notification in annual report Due March 10, 2019                                    | Begin<br>implementation<br>January 1, 2018 | 1/2018              |
| I.E.1.a.iii(A)   | Nutrients: Determine targeted sources of nutrients.  | Notification and list of<br>targeted sources in annual<br>report Due March 10, 2018 | Completed<br>January 1, 2018               | 12/2017             |
|  |  | Attach List to March 10, 20 following completion, labe - Nutrient Targets"          |  | 12/2017             |
| I.E.1.a.iii(B)   | Nutrients: Begin providing education and outreach to the targeted sources  | Notification in annual report Due March 10, 2019                                    | Begin<br>implementation<br>July 1, 2018    | 7/2018              |
| I.E.2.a.iv(A)<br>and (B)                               | Tracing an Illicit Discharge: Ensure requirements are met; revise implementation and documentation if necessary.                                   | Notification in annual report Due March 10, 2018                                    | Completed<br>January 1, 2018               | 12/2017             |
| I.E.2.a.vi   | Removing an Illicit Discharge, Enforcement Response: Ensure requirements are met; revise implementation and documentation if necessary.            | Notification in annual report Due March 10, 2018                                    | Completed<br>January 1, 2018               | 12/2017             |
| I.E.2.a.viii   | Priority Areas: Identify any new priority areas  | Notification in annual report Due March 10, 2018                                    | Completed<br>January 1, 2018               | 12/2017             |
| I.E.2.b.vi   | Removing and Illicit Discharge:<br>Ensure documentation is recorded.   | Notification in annual report Due March 10, 2018                                    | Completed<br>January 1, 2018               | 12/2017             |
| I.E.3.   | Begin implementing the permittee's current construction sites program in the county growth areas.  | Notification in annual report Due March 10, 2020                                    | Completed<br>January 1, 2019               | N/A                 |
| I.E.3.c.i  | Excluded Activities for County Growth Areas: Ensure requirements are met; revise implementation and documentation if necessary.                    | Notification in annual report Due March 10, 2020                                    | Completed July<br>1, 2019                  | N/A                 |



#### 7.A) CONTINUED: Compliance Schedule = required Annual Report Notifications Date of **Permit** Completion/ Condition Action Deliverable Deadline Implementation Control Measure Requirements: Ensure Notification in annual I.F.3.c.iv Completed July control measure requirements are met; report Due March 10, 2020 1, 2019 7/2019 revise implementation and documentation if necessary. Site Plans: Ensure requirements are met: I.E.3.c.v(B) Notification in annual Completed July revise implementation and documentation through (C) report Due March 10, 2020 1, 2019 7/2019 if necessary. I.E.3.c.vi(B) Site Inspection: Ensure requirements are Notification in annual Completed July through (E) met: revise implementation and report Due March 10, 2020 1, 2019 7/2019 documentation if necessary. I.E.3.c.vii(B) Enforcement Response: Ensure Notification in annual Completed July report Due March 10, 2020 1, 2019 requirements are met; revise 7/2019 implementation and documentation if necessary. I.E.3.d.vi Site Inspection: Ensure requirements are Notification in annual Completed July met; revise implementation and report Due March 10, 2020 1, 2019 7/2019 documentation if necessary, ensure documentation is recorded. I.E.4. Begin implementing the permittee's current Notification in annual Completed post- construction sites program in the report Due March 10, 2020 January 1, 2019 N/A county growth areas. I.E.4.c.i Excluded Sites: Ensure requirements are Notification in annual Completed July met: revise implementation and report Due March 10, 2020 1, 2019 7/2019 documentation if necessary. I.E.4.c.iv Control Measure Requirements: Ensure new Notification in annual Completed July control measures meet one of the design report Due March 10, 2020 1, 2019 7/2019 standards Site Plans: Ensure requirements are met; I.E.4.c.v Notification in annual Completed July revise implementation and documentation report Due March 10, 2020 1, 2019 7/2019 if necessary. I.E.4.c.vi and Construction Inspection and Acceptance and Completed July Notification in annual vii Post Acceptance Oversight: Ensure report Due March 10, 2020 1, 2019 requirements are met; revise 7/2019 implementation and documentation if necessary. I.E.4.c.viii Enforcement Response: Ensure Notification in annual Completed July requirements are met; revise report Due March 10, 2020 1, 2019 7/2019 implementation and documentation if necessary. Municipal Facility Runoff Control Notification in Annual I.E.5.a.ii Completed July Measures: Ensure requirements are met: report Due March 10, 2018 1, 2017 7/2017 revise implementation and documentation if necessary. I.E.5.a.ii(C) Municipal Facility Runoff Control Notification in annual Completed July Measures: Ensure inspection requirements report Due March 10, 2020 1, 2019 7/2019 are met; revise implementation and documentation if necessary. I.E.5.a.iv Nutrient Source Reductions: Ensure Notification in annual Completed July requirements are met; revise report Due March 10, 2021 1, 2020 7/2020 implementation and documentation if necessary. I.E.5.a.v. Outdoor Bulk Storage Notification in annual Completed July 7/2021 report Due March 10, 2022 1, 2021 Municipal Facility Runoff Control I.E.5.b.i Notification in annual Completed July Measures: Ensure documentation is report Due March 10, 2020 1, 2019 7/2019



recorded.

| 7.0         | C) Assessment and Modifications  |
|-------------|--|
|             | The results of the assessment of the effectiveness of the control measures.  Provide a narrative based on the assessment required in Part I.G.1.b of the Permit. The permit does not identify the scope or scale of information required beyond this information, the permittee may determine the extent and nature of information provided to meet this requirement.  |
|             | Provide information below, or check "attached" and attach the information labeled as "PART 7.C.i"  Attached  |
| by t<br>imp | e Town of Castle Rock (Town) has assessed the implementation of the control measures required the permit and found the Town to be in compliance. It is the Town's understanding that the elementation of control measures consistent with the requirements of the permit constitutes an ective method to achieve the effluent limits of the permit.  |
|             |  |
|             |  |
|             | The results of the permit modification assessment and if any parts of this permit need to be modified or a condition of the permit may not be practicable.  Provide a narrative based on the assessment required in Part I.G.1.c of the Permit. The permit does not identify the scope or scale of information required beyond this information, the permittee may determine the extent and nature of information provided to meet this requirement. |
|             | Provide information below, or check "attached" and attach the information labeled as "PART 7.C.ii"<br>Attached   |
| An          | assessment was completed and modifications are not applicable.   |
|             |  |
|             |  |
|             |  |
|             |  |



| *All of 7.D is not required prior to the Jan 1, 2018 dea   | adline for implementing in accordance with I.E.1.a.i, ii, & iii  |  |  |  |  |
|--|--|--|--|--|--|
| iii. List of the education and outreach activities completed in accordance with Part I.E.1.a.i Illicit Discharges Education and Outreach.  Provide list below. |  |  |  |  |  |
| Newspaper ads targeting commercial businesse   | s with a likelihood of causing illicit discharges or   |  |  |  |  |
| disposing of waste improperly .  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| iv. List of the education and outreach activities of   | completed in accordance with Part LE 1 a ii  |  |  |  |  |
|  | rencing the activities in Table 1 of the Permit.   |  |  |  |  |
| •  | on and outreach activities (bulleted items) and at least two   |  |  |  |  |
| must be from the Active and Interactive Outreach co  | olumn. Check those activities conducted in the table below.  |  |  |  |  |
| Passive Activity   | Active and Interactive Outreach Activity   |  |  |  |  |
| Check all activities implemented during report year  | Check all activities implemented during report year  |  |  |  |  |
| Bus shelter/bench advertisement  | Ongoing advertisement/promotion of a stormwater  |  |  |  |  |
| Billboard/dasher board advertisement   | hotline number or other method to report an illicit  |  |  |  |  |
| ☐ Vehicle/bus advertisement  | discharge  |  |  |  |  |
| Radio/television/movie theater advertisement   | <ul> <li>Ongoing advertisement/promotion on how to get more information about the stormwater program</li> </ul>  |  |  |  |  |
| Newspaper advertisement  | Ongoing social media program   |  |  |  |  |
| ☐ Distribute educational materials by brochure   | Web site that is interactive or contains stormwater  |  |  |  |  |
| ☐ Distribute educational materials by fact sheet   | information that includes actions that can be taken to reduce stormwater pollution   |  |  |  |  |
| ☐ Distribute educational material by utility bill insert   | ☐ Newsletter (hard copy or electronic)   |  |  |  |  |
| ☐ Publish article (hard copy or electronic)  | ■ Promotion of existing local stormwater/environmental   |  |  |  |  |
| Storm drain marking by permittee staff that maintains 25% of permittee maintained inlets.  | events or program that help protect water quality  |  |  |  |  |
| Stormwater related signage   | Distribute promotional items or giveaways  |  |  |  |  |
| ■ Web site   | Participate in or sponsor a water festival which involves populations that exist within the permit boundary  |  |  |  |  |
|  | Participate in or sponsor a waterway clean-up and trash<br>removal event   |  |  |  |  |
|  | ☐ Participate in or sponsor a service project  |  |  |  |  |
|  | Participate in or sponsor a stormwater or environmental presentation   |  |  |  |  |
|  | Participate in or sponsor a stormwater or environmental event  |  |  |  |  |
|  | Participate in or sponsor community project based programs that investigate watershed health and meet applicable school Science, Technology, Engineering and Math (STEM) standards |  |  |  |  |
|  | Continued on Next Page   |  |  |  |  |



|  | Active and Interactive Outreach Activity Column,<br>Continued                                     |  |  |
|--|---|--|--|
|  | Participate in or sponsor a household hazardous waste event                                       |  |  |
|  | Participate in or sponsor an Adopt-a-Street program   |  |  |
|  | ☐ Participate in or sponsor an Adopt-a-Waterway program   |  |  |
|  | Participate in or sponsor an Adopt-a-Storm Drain program  |  |  |
|  | Provide ongoing access to motor vehicle fluids recycling program                                  |  |  |
|  | Stormwater booth at a community event   |  |  |
|  | ☐ Conduct a stormwater survey   |  |  |
|  | <ul><li>Storm drain marking program performed by the public/community</li></ul>                   |  |  |
|  | ■ Pet waste stations  |  |  |
|  | Participate in, plan, or present stormwater materials to<br>schools                               |  |  |
|  | Stormwater demonstration projects that show control measures or other pollutant reduction methods |  |  |
| v. A list of the education and outreach activities completed in accordance with Part I.E.1.a.iii nutrients and targeted sources Provide list below, including the pollutant sources targeted for each activity.  Activity 1: Newspaper Ads Pollutant Sources: Fertilizers, Dog Waste, Landscaping Maintenance  Activity 2: Castle Rock Website – Protecting Water Quality Pollutant Sources: Fertilizers, Dog Waste, Landscaping Maintenance  Activity 3: CLEAR Website – Protecting Water Quality Pollutant Sources: Fertilizers, Landscaping Maintenance  Activity 4: Pet Waste Station Sponsor Pollutant Sources: Dog Waste |   |  |  |
| Activity 5: Social Media Posts Pollutant Source: Dog Waste, Landscaping Mair   | itenance  |  |  |
|  |   |  |  |
|  |   |  |  |



| 7.E) Program Elements - Illicit Discharge Detection and Elimination  |              |
|--|--------------|
| vi. Provide the total number of <u>unresolved reports/identification of illicit discharges</u> .  An unresolved illicit discharge is one that has been identified or reported to the permittee and the requirements for removing the illicit discharge were not met during the reporting period. Refer to requirements for removing an illicit discharge in Part I.E.2.a.vi of the new permit. For the period prior to implementing a program to meet Part I.E.2.a.vi in accordance with the compliance schedule, refer to the permittee's CDPS Stormwater Management Program Description from the previous permit term. | 0            |
|  |              |
| 7.F) Program Elements - Construction Sites The permittee can define what constitutes an individual "site" and "inspection" for reporting below as appretine permittee's own program.   | ropriate for |
| i. Applicable construction sites: Provide the total number of applicable construction sites  |              |
| during the year.  "Applicable construction sites" are sites for which "applicable construction activities," as defined in the permit, occurred during the reporting year.  | 1221         |
| ii. *Routine Inspections: Provide the total number of Routine Inspections performed during the   |              |
| year. Routine Inspections are inspections of applicable construction activities that meet the inspection scope requirements in Part I.E.3.a.vi(C) and for which documentation is recorded in accordance with in Part I.E.3.d.vi.  *Not required prior to the July 1, 2019 deadline for documenting in accordance with I.E.3.b.vi.  | 2673         |
| iii. *Reduced Site Inspections: Provide the total number of Reduced Site Inspections performed   |              |
| during the year.  Reduced Site Inspections are inspections of applicable construction activities that meet the inspection scope requirements in Part I.E.3.c.vi(D)(1), (2), (3) and (4) for which documentation is recorded in accordance with in Part I.E.3.d.vi.  *Not required prior to the July 1, 2019 deadline for documenting in accordance with I.E.3.b.vi.  | 242          |
| iv. *Compliance Inspections: Provide the total number of Compliance Inspections performed  |              |
| during the year.  Compliance Inspections are inspections, operator reporting, or other action(s) to assess the control measure has been implemented or corrected of applicable construction activities that meet the inspection scope requirements in Part I.E.3.c.vi(E) and for which documentation is recorded in accordance with in Part I.E.3.d.vi.  *Not required prior to the July 1, 2019 deadline for documenting in accordance with I.E.3.b.vi.   | 167          |
| v. COUNTY PERMITTEES ONLY  | <u> </u>     |
| *County Growth Area Excluded Construction: Where any construction activities excluded from applicable construction activities in accordance with Part I.E.3.c.i(B) (1) or (2)?   If YES, attach a list of the excluded construction sites. Include recordkeeping information requestrates. Include Technology Part I.E.3.d.i. Label the attachment as "Part 7.F.v Excluded Growth Area Construction."  | □NO          |
| *Not required prior to the January 1, 2019 deadline for implementing in growth areas.  |              |



| 7.G) Program Elements - Post-Construction Stormwater Managemer Redevelopment Program  The permittee can define what constitutes an individual "site" and "control meas appropriate for the permittee's own program.  | ·   |                                      |
|--|---|--------------------------------------|
| i. Applicable development sites: Provide the total number of applicable for which control measures were implemented during the reporting pe  | •   | 7                                    |
| ii. *Long-Term Operation and Maintenance and Post Acceptance Overs   | ight:   |                                      |
| *ii.a and ii.b, below, are not required prior to the July 1, 2019 deadline for co  | onducting   |                                      |
| inspections in accordance with Part I.E.4.c.vii.   |   |                                      |
| ii.a Provide the total number of applicable development sites ensure compliance with the requirement in Part I.E.4.c.vi  | •   | 3                                    |
| ii.b Provide the total number of applicable control measures compliance with the requirement in Part I.E.4.c.vii.  | nspected to ensure  | 99                                   |
| iii. *Excluded Roadway Development Sites: Where any development excluded development site in accordance with the following permit conditions?  | uded from being an ap   | oplicable                            |
| Pavement Management: Part I.E.4.c.i(A), except maintenance sites Roadway Redevelopment: Part I.E.4.c.i(B) Existing Roadway Areas Part I.E.4.c.i(C)   | ■ YES □ NC ■ YES □ NC □ YES ■ NC  | )                                    |
| If YES to one or more of the above, attach a list of the excluded develor exclusion applied. Include the recordkeeping information required by I. "Part 7.G.iii Excluded Roadway Development."   |   | •                                    |
| *Not required prior to the July 1, 2019 deadline for implementing control mea<br>and exclusion requirements in accordance with I.E.4.c.i   | asure in accordance wit   | h I.E.4.c.iv                         |
| iv. COUNTY PERMITTEES ONLY  *County Growth Area Excluded Development Sites: Where any development sites in accordance with Part I.E.4.c.i (G)(1)?  | opments excluded from   | m being<br>] NO                      |
| If YES, attach a list of the excluded development sites. Include the reco  | ordkeeping information  | n required by                        |
| I.E.4.c.i (G)(1). Label the attachment as "Part 7.G.iv Excluded Growth   | Area Development."  |                                      |
| *Not required prior to the January 1, 2019 deadline for implementing in grow   | th areas.   |                                      |
| Part 8: Required Certification Signature [Reg 61.4(1)(h)] "I certify under penalty of law that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly graphitted. Based on my inquiry of the person or persons who manage the system, for gathering the information, the information submitted is to the best of my known complete. I am aware that there are significant penalties for submitting false information and imprisonment for knowing violations." | pather and evaluate the is<br>or those persons directly<br>pledge and belief, true, a | information responsible accurate and |
| Name (Legal Contact):  Mark Marlowe, P.E.  Title:  | Director of Castle Ro   | ck Water                             |
| Signature (Original Ink Signature): Date si  | gned:   |                                      |
| March  | 9, 2022   |                                      |





### Attachment 1 – Part 7.G.iii Excluded Roadway Development

The following development sites meet the minimum criteria for Excluded Roadway Development in the 2021 Annual Report period.

- 2021 Town of Castle Rock Pavement Management Program
  - 1. 2021 Asphalt Overlay Project
  - 2. 2021 Curb, Gutter and Sidewalk Replacement Project
  - 3. 2021 Full Depth Reclamation Project
  - 4. 2021 Slurry Seal Project
  - 5. 2021 Meadows Blvd & Castleton Court Concrete Pavement Restoration Project
- South Street and Wilcox Street Roundabout Project
- 2021 Downtown Alley Project

Please see the attached Technical Criteria Variances TCV21-0014, TCV21-0025 and TCV22-0023 for the required recordkeeping information.





#### **TECHNICAL MEMORANDUM**

| To:  | Mark Marlowe, P.E., Director, Castle Rock Water  |  |  |  |  |
|--|--|--|--|--|--|
| Thru:  | Tim Friday, P.E., Assistant Director,  | TFF<br>(initial)   |  |  |  |
|  | Jeanne Stevens, P.E., Engineering Manager,   | (initial)  (initial)   |  |  |  |
|  | David Van Dellen, P.E., Stormwater Manager,  | $\frac{\frac{\mathcal{D}V}{\text{(initial)}}}{\text{(initial)}}$ |  |  |  |
| From:  | Kevin Buffington, E.I., Plan Review Engineer   | (initial)  |  |  |  |
| Date:  | February 26, 2021  |  |  |  |  |
| Title:<br>Name:<br>Number:   | Technical Criteria Variance Application  South St & Wilcox Roundabout – Pavement exclus  TCV21-0014 and CIP20-0011 | sion to water quality  |  |  |  |
| <b>Legal Description</b> : NORTH WILCOX STREET PUBLIC RIGHT-OF-WAY, RECEPTION NO. 187401000; SOUTH STREET PUBLIC RIGHT-OF-WAY, RECEPTION NO. 965848858488  |  |  |  |  |  |
| <b>Summary:</b> This TCV will apply an exclusion to water quality to an applicable roadway development. The proposed roundabout at South Street and Wilcox will add 0.03 acres of additional pavement area compared to the existing intersection.  |  |  |  |  |  |
| Recommendation:X Deny  |  |  |  |  |  |
| <b>Discussion:</b> Section 13.1.1 of the Storm Drainage Design and Technical Criteria Manua (SDDTCM) states: <i>Town requires that full-spectrum detention including water quality capture volume and flood control detention be provided for all new development and redevelopment.</i>   |  |  |  |  |  |
| Staff has reviewed the attached variance request. Staff finds the request meets Town criteria as described in SDDTCM Sections 13.1.4 and 13.1.5 and the associated Permanent Water Quality Determination Worksheet. Available documentation indicates the project will add a total of 0.03 acres of impervious area over 0.102 miles. This equates to 0.3 acres per mile, which is |  |  |  |  |  |

I recommend approval as the variance is consistent with Town criteria and the developed condition is not expected to adversely impact public health, safety, or welfare.

portion of the site may be excluded from full-spectrum water quality treatment.

less than 1.0 acre per mile threshold allowed by this exclusion. The worksheet indicates this

**Cc: Engineering Office Assistant (once finalized)** 



Development Services 100 N. Wilcox Street Castle Rock, CO 80104 720-733-2200 FAX 720-733-2231 NO. TCV21-0014

**DATE** 02-23-21

### TECHNICAL CRITERIA VARIANCE APPLICATION **DEVELOPMENT SOUTH AND WILCOX ROUNDABOUT** LEGAL DESCRIPTION OF SUBJECT PROPERTY NORTH WILCOX STREET PUBLIC RIGHT-OF-WAY, RECEPTION NO. 1874010001 SOUTH STREET PUBLIC RIGHT-OF-WAY, RECEPTION NO. 9658488 VARIANCE REQUESTED: Code Section(s) 2019 Storm Drainage Design and Technical Criteria Manual Sections 13.1.4 and 13.1.5 Describe the Variance Requested Exclude project from requirement to provide Permanent Water Quality. 1. Describe the exceptional situation or condition that exists The project is exempt according to the Permanent Water Quality Determination Worksheet, Section 3.1.4 that reads "DOES THE PROJECT ADD MORE THAN ONE ACRE OF PAVED AREA PER MILE TO AN EXISTING ROADWAY." This project adds 0.30 ac/mi to the existing roadway, which does not meet the threshold that requires Permanent Water Quality. 2. Describe the difficulty or hardship that would be created by a strict enforcement of the code The site is located within an area of downtown Castle Rock that is fully developed. A traditional permanent water quality feature may require additional private land to be acquired to provide a location for such a feature. 3. Describe why there would not be any adverse impact on public health, safety and welfare

The limited scope of the proposed improvements as outlined above will not cause any adverse impact on public health, safety, and welfare. The roundabout will serve to improve the safety characteristics of this intersection by reducing vehicle speeds and improving crosswalks by implementing pedestrian refuge

areas at the proposed splitter islands.

1. Attach an improvement survey. 2. Attach a drawing showing the intended uses. 3. Provide any other information helpful to discussion. PROPERTY OWNER APPLICANT'S REPRESENTATIVE (If applicable) 2N Civil, LLC Town of Castle Rock Public Works Name: \_ Address: 4175 N Castleton Ct., Address: 6 Inverness Ct E, Suite 125, Castle Rock, CO 80104 Englewood, CO 80112 303-925-0544 Contact: Todd West, PE Phone #: \_720.733.2462 Phone: Fax #: Brian Kelley

Digitally signed by Brian Kelley
DN: C=US, E=bkelley@crgov.com,
OU=Public Works, O=ToCR, CN=Brian
Kelley
Date: 2021.02.23 12:20:47-07'00' Signature of Applicant For Staff Use Only Mark Marlowe
Distally signed by Mark Marlowe
DN: cn=Mark Marlowe, o=Castle Rock Water,
ou, email=mmarlowe@crgov.com, c=US
Date: 2021.03.03 10:54:12 -07'00' Staff Recommendation: Approved ☐ Yes ☐ No Signature ☐ Public Works Director □ Director of Castle Rock Water □ Parks & Recreation Director □ Development Services Director Date

| Conditions of Acceptance |  |   |
|--------------------------|--|---|
|                          |  | - |

Comments



| Project Name Wilcox and South Roundabout  |   |   |               |  |  |
|---|---|---|---------------|--|--|
| Project Owner Town of Castle Rock  Project Location Intersection of Wilcox and South Street |   |   |               |  |  |
|   |   |   |               |  |  |
| Total Site Area 0.85  | ac  | eres                                    |               |  |  |
| <b>Total Size of Commo</b>  | n Plan of Development 0.85  | acres                                   |               |  |  |
| Check all that apply:   |   |   |               |  |  |
| ✓ Project within  | Plum Creek Basin  |   |               |  |  |
| Project within  | Cherry Creek Basin  |   |               |  |  |
| Estimated construction  | on completion date Fall 2021  |   |               |  |  |
|   |   |   |               |  |  |
|   | trol measure(s) for applicable developer<br>or the SDDTCM Section 14.4. Please s<br>MS4 on this site. |   |               |  |  |
|   | WQCV standard   |   |               |  |  |
|   | Pollutant removal standard  |   |               |  |  |
|   | Runoff reduction standard   |   |               |  |  |
|   | Applicable site draining to regional V discharging to WOTS)   | WQVC control measure (accepts drain     | nage prior to |  |  |
|   | Applicable site draining to regional V area control measure upstream of WC                            | • | g pervious    |  |  |
|   | Constrained redevelopment sites stan  | ndard                                   |               |  |  |
|   | <ul> <li>Imperviousness of existing sit</li> </ul>  | te/(Imp. Ac/Site                        | Ac) =%        |  |  |
|   | <ul> <li>Variance required TCV No</li> </ul>  |   |               |  |  |
|   | Existing control measure with WQCV  | V per previous criteria standards       |               |  |  |
|   | • Reference Construction Pe   | ermit No                                |               |  |  |
|   | Cherry Creek Basin only, choose one   | e: Tier 1 Tier 2 Tier 3                 |               |  |  |
| Q   | No control measures provided (See P   | Permanent WO Worksheet for applica      | bility)       |  |  |

| 2. Was an exclusion                    | to water quality applied as per SDD                                    | TCM Section      | 13.1.5 Yes No                                |
|--|--|------------------|--|
|  | please select all that apply, provide ble: TCV No. TCV21-0014          | total excluded   | d impervious area(s) and submit variance, as |
| аррпса                                 | ☐ Pavement management site   |                  |  |
|  | Excluded impervious area:  |                  | acres  |
|  | ✓ Excluded roadway redevelopm  |                  |  |
|  | Excluded impervious area: 0.0  |                  | acres  |
|  | ☐ Excluded existing roadway are  |                  |  |
|  | Excluded impervious area:  |                  | acres  |
|  | ☐ Above ground and below ground  |                  |  |
|  | ☐ Large lot single family home   | na ammes         |  |
|  | ☐ Non-residential and non-comm   | ercial infiltrat | tion   |
|  | Excluded impervious area:  |                  |  |
|  | ☐ Land disturbance for land to re                                      |                  |  |
|  | Excluded impervious area:  |                  | •  |
|  | ☐ Stream Stabilization Sites   |                  |  |
|  | Excluded impervious area:  |                  | acres  |
|  | ☐ Trails   |                  |  |
|  | Excluded impervious area:  |                  | acres  |
|  | ☐ Oil and Gas Exploration  |                  |  |
|  | On and Gas Exploration   |                  |  |
|  | and Redevelopment sites, following 20% of the site and not to exceed 6 |                  | ns claimed above, was any portion of the     |
| If yes, complete th                    | e following:   |                  |  |
|  | Excluded area:   | acres            |  |
|  | Total Site area:   | acres,           | % site excluded                              |
| 4. For Constrained si impervious area? |  | uded up to 50    | % of the site and not to exceed 50% of the   |
| If yes, complete th                    | e following:   |                  |  |
|  | Excluded area:   | acres            |  |
|  | Excluded impervious area:  |                  | _ acres                                      |
|  | Total Site area:   | acres,           | % site excluded                              |
|  | Total Impervious area:   | acre             | es, % impervious excluded                    |

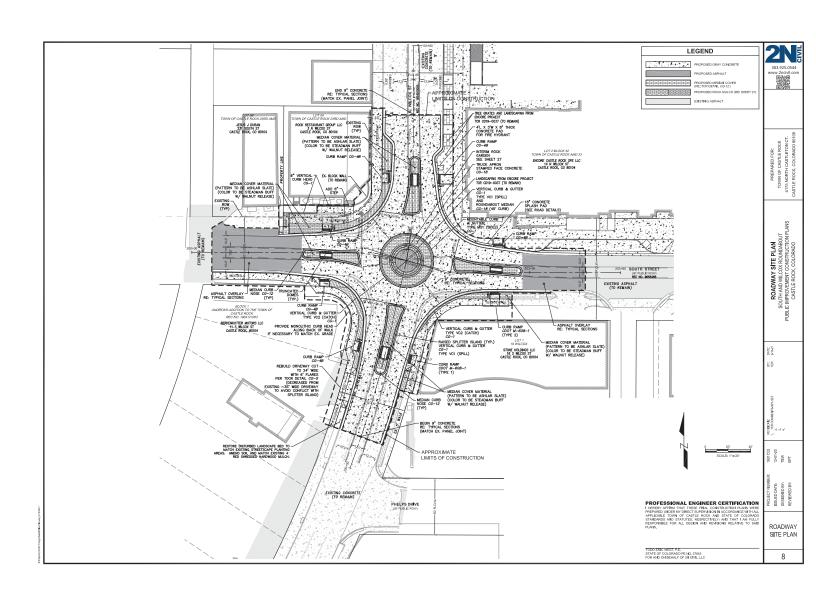
Project: SOUTH AND WILCOX ROUNDABOUT Date: December 11, 2020

#### Permanent Water Quality Determination Worksheet (Taken from 2019 SDDTCM Sections 13.1.4 and 13.1.5)

| Project: |   | CRW#     |                        | Applicant:   |
|----------|---|----------|------------------------|--|
| Section  | Questions   | Response | Check those that apply | Instructions   |
| 1        | Non-applicable Sites  |          |                        |  |
|          | Will the project result in a temporary disturbance of greater than one acre?  | No       | ×                      | Proceed to next line.  |
|          |   | Yes      |                        | Proceed to section 2.  |
|          | Is the project part of a larger common plan of development or sale where multiple separate and distinct construction activities may be taking place at different times of different schedules, but remain related and are within 1/4 mile of each other? (A common plan of development will generally be documented on a site development plan, master plan, or equivalent, for the property/project) | No       |                        | Proceed to next line.  |
|          |   | Yes      | ×                      | Proceed to section 2.  |
|          | Is the project within the Cherry Creek Watershed?   | Yes      |                        | Exclusions do not apply. Permanent water quality is required per Control Regulation 72.7.  |
|          |   | No       |                        | Permanent water quality is not required. No further action is required.  |
|          |   |          |                        |  |
| 2        | Applicable Site Types and Exclusions by Variance  |          |                        |  |
|          | Does the project have more than 35% impervious area on the existing site?   | No       |                        | Project is an applicable Development Site. Proceed to section 3.   |
|          |   | Yes      | ×                      | Proceed to next line.  |
|          | Does the project have greater than 75% impervious area on the existing site?  | No       |                        | Project is an applicable Redevelopment Site. Proceed to section 3.   |
|          |   | Yes      | ×                      | Proceed to next line.  |
|          | Will 100% of the runoff from the existing and proposed site be captured and treated for permanent water quality?  | Yes      |                        | Document in drainage report. No further action required.   |
|          |   | No       | ×                      | Proceed to next line.  |
|          | Do any other water quality exclusions apply to the site?  | No       | 0                      | Portions of the project are excluded. Proceed with design in accordance with Constrained Redevelopment standards and apply for <b>variance</b> for <u>Constrained</u> Redevelopment Sites.                       |
|          |   | Yes      | ×                      | Proceed to next section. Following approval of other variances, design remaining site in accordance with Constrained Redevelopment standards and apply for variance for <u>Constrained Redevelopment Sites</u> . |
|          |   |          |                        |  |
| 3.1      | Applicable Sites with Other Exclusions by Variance  |          |                        |  |
| 3.1.1    | Category 1: Roadways, bridges and trails only Is the project a bike or pedestrian trail?  | Yes      |                        | Proceed to next line.  |
|          |   | No       | X                      | Proceed to 3.1.2.  |
|          | Is the trail for a roadway?   | Yes      |                        | Proceed to 3.1.2.  |
|          | is the train for a roadway:   |          |                        | Project is excluded. Submit variance for Trails Excluded from Permanent Water  |
|          |   | No       |                        | Quality Requirements.  |
| 3.1.2    | Is the project primarily used for parking or access to parking?   | Yes      |                        | This exclusion does not apply. Permanent water quality is required.  |
|          |   | No       | ×                      | Proceed to 3.1.3.  |
| 3.1.3    | Does the project add impervious area?   | No       |                        | Project is excluded. Submit variance for Pavement Management Sites Excluded<br>from Permanent Water Quality Requirements.  |
|          |   | Yes      | X                      | Proceed to 3.1.4.  |

| 3.1.4 | Does the project add more than 8.25 feet of paved width at any location to the existing roadway?  | No  |   | Project is excluded. Submit variance for <u>Roadway Redevelopment Sites</u> <u>Excluded from Permanent Water Quality Requirements</u> .   |
|-------|---|-----|---|---|
|       |   | Yes | × | Proceed to next line.   |
|       | Does the project add more than one acre of paved area per mile to an existing roadway? <b>Project adds 0.30 ac/mi to existing roadway.</b>  | No  | × | Project is excluded. Submit variance for Roadway Redevelopment Sites.  Excluded from Permanent Water Quality Requirements.  |
|       | (additional paved area is 0.03 acres over 0.102 miles)  | Yes | П | Proceed to next line.   |
|       | Does the project increase the width by two times or more, on average, of the original roadway area?   | No  |   | Existing areas of site are excluded only. Submit variance for Existing Roadway<br>Surfaces Only Excluded from Permanent Water Quality Requirements.   |
|       |   | Yes |   | This exclusion does not apply. Permanent water quality is required.   |
| 3.2   | Category 2: Non-residential and non-commercial projects only  |     |   |   |
| 3.2.1 | Is the project associated with oil and gas exploration, production, processing, or<br>treatment operations or transmission facilities, including activities necessary to<br>prepare a site for drilling and the movement and placement of drilling equipment?   | Yes |   | Project is excluded. Submit variance for <u>Oil and Gas Exploration Sites Excluded</u><br>from Permanent Water <u>Quality Requirements</u> .  |
|       |   | No  |   | Proceed to 3.2.2.   |
| 3.2.2 | Is the project for stream stabilization?  | Yes |   | Project is excluded. Submit variance for <u>Stream Stabilization Sites Excluded</u><br>from Permanent Water Quality Requirements.   |
|       |   | No  |   | Proceed to 3.2.3.   |
| 3.2.3 | Is the project for installation or maintenance of underground utilities or infrastructure that does not permanently alter the terrain, ground cover, or drainage patterns from those present prior to the construction activity including activities to install, replace or maintain utilities under roadways or other paved areas that return the surface to the same condition? | Yes |   | Project is excluded. Submit variance for <u>Aboveground and Underground</u> <u>Utilities Excluded from Permanent Water Quality Requirements</u> .   |
|       |   | No  |   | Proceed to 3.2.4.   |
| 3.2.4 | Is the project on undeveloped land (land with no human-made structures such as buildings or pavement) that will remain undeveloped after the project?   | Yes |   | Project is excluded. Submit variance for <u>Sites with Land Disturbances to</u> <u>Undeveloped Land that will Remain Undeveloped Excluded from Permanent.</u> Water Quality Requirements.     |
|       |   | No  |   | Proceed to 3.2.5.   |
| 3.2.5 | Will the post-project condition result in surface water discharge during the 80th percentile storm runoff event?  | No  |   | Project is excluded. Submit <b>study</b> along with <b>variance</b> for <u>Non-residential and Non-commercial Infiltration Conditions Excluded from Permanent Water Quality Requirements.</u> |
|       |   | Yes |   | This exclusion does not apply. Permanent water quality is required.   |
| 3.3   | Category 3: Residential and Commercial projects   |     |   |   |
| 3.3.1 | Is the project a single-family residential lot, or agricultural zoned lands, greater than or equal to 2.5 acres in size per dwelling unit?  | Yes |   | Proceed to next line.   |
|       |   | No  |   | Proceed to 3.3.2.   |
|       | Is the project site greater than 10% impervious?  | No  |   | Project is excluded. Submit variance for <u>Large Lot Single Family Sites Excluded</u> from Permanent Water Quality Requirements.   |
|       |   | Yes |   | Proceed to next line.   |
|       | Is the project site greater than 20% impervious?  | Yes |   | This exclusion does not apply. Permanent water quality is required.   |
|       |   |     | _ | Proceed to next line.   |
|       |   | No  |   |   |
|       | Will the post-project condition result in surface water discharge during the 80th percentile storm runoff event?  | No  |   | Project is excluded. Submit <b>study</b> along with <b>variance</b> for <u>Large Lot Single</u><br>Family Sites Excluded from Permanent Water Quality Requirements.                           |

| .2 | Will 100% of the runoff from the residential or commercial site be captured?                            | Yes | This exclusion does not apply. Permanent water quality is required.   |
|----|---|-----|---|
|    |   | No  | Proceed to next line.   |
|    | Is all or a portion of the site undeveloped or will it remain undeveloped after construction?           | Yes | This portion of the project is excluded. Submit variance for <u>Sites with Land</u> Disturbance to <u>Undeveloped Land that will Remain Undeveloped Excluded from</u> Permanent Water <u>Quality Requirements</u> . Proceed to next line. |
|    |   | No  | Proceed to next line.   |
|    | Is the remaining untreated impervious area greater than 20% of the site?                                | Yes | This exclusion does not apply. Permanent water quality is required.   |
|    |   | No  | Proceed to next line.   |
|    | Is the remaining untreated impervious area greater than one acre?                                       | Yes | This exclusion does not apply. Permanent water quality is required.   |
|    |   | No  | Proceed to next line.   |
|    | Is it practicable to capture runoff from portions of the site that will not drain to a control measure? | No  | Document justification demonstrating that it is not practicable to capture runoff from this portion of the site in the <b>drainage report</b> . No further action is needed.  |
|    |   | Yes | This exclusion does not apply. Permanent water quality is required.   |





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

NO. TCV21-0025

| DATE $3/25/21$ |  |
|----------------|--|
|----------------|--|

#### TECHNICAL CRITERIA VARIANCE APPLICATION

DEVELOPMENT 2021 Downtown Alley Improvement Project

LEGAL DESCRIPTION OF SUBJECT PROPERTY

Block 10, 11, 14, 17 Alleys;

Public ROW lying within Town of Castle Rock 23.419 AM/L;

Section 11, Township 8 South, Range 67 West of the 6th Principal Meridian

VARIANCE REQUESTED:

Code Section(s)

Town of Castle Rock SDDTCM, Section 13.1.5, Exclusions from Water Quality

Enhancement and Full-Spectrum Detention

Describe the Variance Requested

Water Quality Exclusion for Excluded Roadway Redevelopment.

Site Area = 0.71 Acres

1. Describe the exceptional situation or condition that exists

This project is generally a replacement of existing roadway driving surfaces that do not alter the existing drainage patters from those present prior to the construction project

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

This project is located within a fully-developed area with limited space available for

Implementation of a permanent water quality feature or facility.

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

The proposed improvements do not change site impervious area, and will maintain historical flow patterns and volumes.

#### Additional Information:

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

| PROPERTY OWNER  | APPLICANT'S REPRESENTATIVE (If applicable)   |
|---|--|
| Name:   | Name: Andrew Focht - Public Works  |
| Address: 100 Wilcox St.   | Address: 4175 N. Castleton Ct.   |
| Castle Rock, CO 80104   | Castle Rock, CO 80109  |
| Phone #:  | Phone: 720.467.1568  |
| Fax #:  | Fax:   |
| Andrew Foch Digitally signed by Andrew Focht.  No. 12-US. E-stackingcropy com. 0=Town of Castle Rock, OL-Pandrew World Works Division. O.N-Andrew Focht Date: 2021.03.25 10.094-46-0900 |  |
| Signature of Applicant  | _  |
| For Staff Use Only  |  |
| Staff Recommendation: Approved Yes  | Digitally signed by Ryan D Germeroth  DN: cn=Ryan D Germeroth, o=Town of Castle Rock, ou=Public Works, email=rgermeroth@crgov.com, c=US Date: 2021.03.25 12:41:51-06'00' |
|   | Signature For Dan Sailer  Public Works Director  Director of Castle Rock Water  Parks & Recreation Director  Development Services Director                               |
|   | 3/25/21  |
| Comments  | Date   |
|   |  |
|   |  |
|   |  |
| Conditions of Acceptance  |  |
|   |  |
|   |  |



| Project Name 2021 D        | owntown Alley Improvements  |                    |                         |               |  |  |
|----------------------------|---|--------------------|-------------------------|---------------|--|--|
| Project Owner Town         | of Castle Rock  |                    |                         |               |  |  |
| Project Location           |   |                    |                         |               |  |  |
| ToCR Project Numb          | er <u>CIP20-0003</u>  |                    |                         |               |  |  |
| Total Site Area 0.71       |   | acres              |                         |               |  |  |
| <b>Total Size of Commo</b> | on Plan of Development 0.71   |                    | acres                   |               |  |  |
| Check all that apply:      |   |                    |                         |               |  |  |
| Project within             | n Plum Creek Basin  |                    |                         |               |  |  |
| Project within             | n Cherry Creek Basin  |                    |                         |               |  |  |
| Estimated construction     | on completion date 7/6/21   |                    |                         |               |  |  |
|                            |   |                    |                         |               |  |  |
|                            | ntrol measure(s) for applicable deve<br>er the SDDTCM Section 14.4. Plea<br>e MS4 on this site. |                    |                         |               |  |  |
|                            | WQCV standard   |                    |                         |               |  |  |
|                            | Pollutant removal standard  |                    |                         |               |  |  |
|                            | Runoff reduction standard   |                    |                         |               |  |  |
|                            | Applicable site draining to region discharging to WOTS)   | al WQVC control n  | neasure (accepts drain  | nage prior to |  |  |
|                            | Applicable site draining to region area control measure upstream of                             |                    | acility (with receiving | g pervious    |  |  |
|                            | Constrained redevelopment sites   | standard           |                         |               |  |  |
|                            | <ul> <li>Imperviousness of existing</li> </ul>  | g site/            | (Imp. Ac/Site           | Ac) =%        |  |  |
|                            | <ul> <li>Variance required TCV No</li> </ul>  | 0                  | -                       |               |  |  |
|                            | Existing control measure with Wo  | QCV per previous c | riteria standards       |               |  |  |
|                            | Reference Construction  | n Permit No        |                         |               |  |  |
|                            | Cherry Creek Basin only, choose   | one: Tier 1        | Tier 2 Tier 3           |               |  |  |
|                            | No control measures provided (Se  | ee Permanent WO V  | Worksheet for applica   | bility)       |  |  |

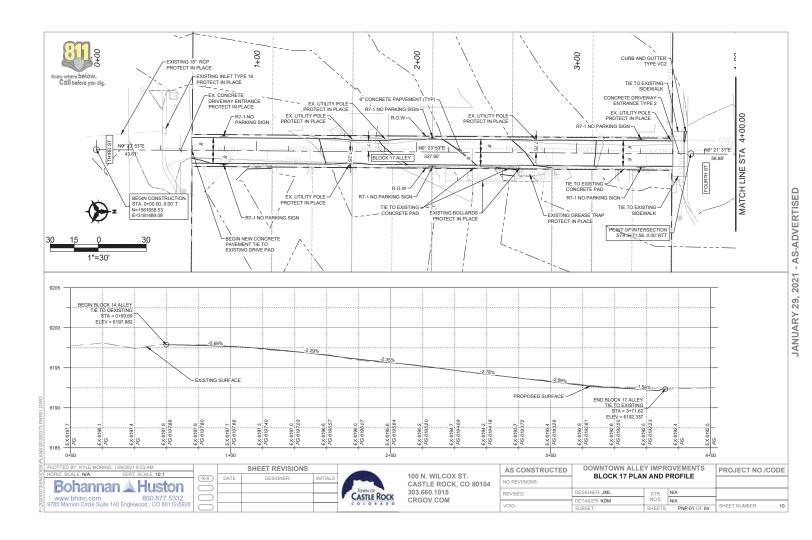
| 2. Was an exclusion to w | vater quality applied as per SDDTCM Section 13                                     | 3.1.5?  ✓ Yes  No                         |
|--------------------------|--|---|
|                          | se select all that apply, provide total excluded in TCV No. TCV21-0025             | mpervious area(s) and submit variance, as |
|                          | Pavement management site   |   |
|                          | Excluded impervious area:  | acres                                     |
| Ø                        | Excluded roadway redevelopment   |   |
|                          | Excluded impervious area: 0.71   | acres                                     |
|                          | Excluded existing roadway areas  |   |
|                          | Excluded impervious area:  | acres                                     |
|                          | Above ground and below ground utilities  |   |
|                          | Large lot single family home   |   |
|                          | Non-residential and non-commercial infiltration                                    | n   |
|                          | Excluded impervious area:  | acres                                     |
|                          | Land disturbance for land to remain undevelop                                      | ed  |
|                          | Excluded impervious area:  | acres                                     |
|                          | Stream Stabilization Sites   |   |
|                          | Excluded impervious area:  | acres                                     |
|                          | Trails   |   |
|                          | Excluded impervious area:  | acres                                     |
|                          | Oil and Gas Exploration  |   |
|                          | e reconstruction of existing roadway. The sts variance under Part I.A.4.a.i(B) "Ex | · ·                                       |
| exclusion.               |  |   |
|                          |  |   |
|                          |  |   |
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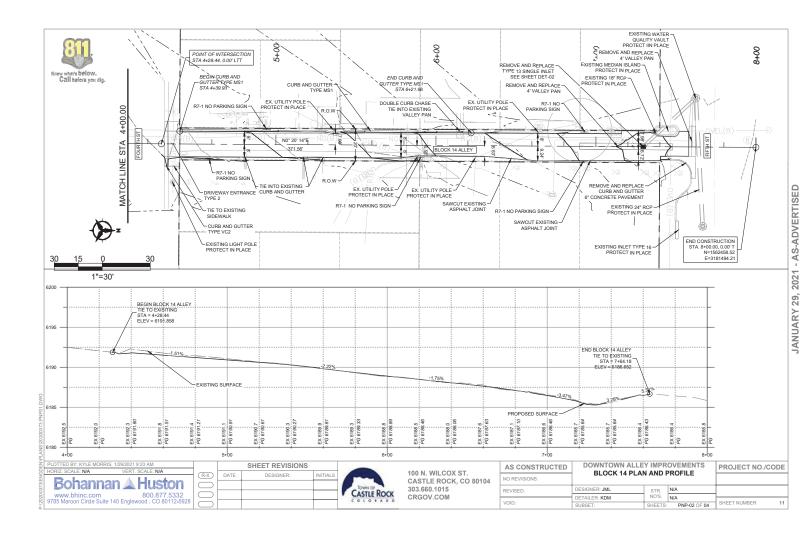
#### Permanent Water Quality Determination Worksheet (Taken from 2019 SDDTCM Sections 13.1.4 and 13.1.5)

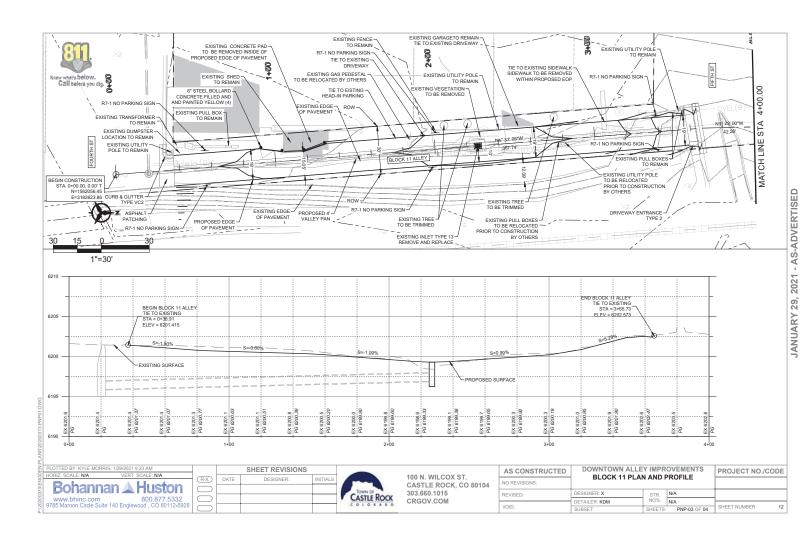
| Section | Question  | Response             | Instructions   |
|---------|---|----------------------|--|
| 1       | Non-applicable Sites  |                      |  |
| 1.1     | Will the project result in a temporary disturbance of greater than one acre?            | <ul><li>No</li></ul> | Proceed to section 1.2.  |
|         |   | O Yes                | Proceed to section 2.  |
| 1.2     | Is the project part of a larger common plan of development or sale where multiple       | <ul><li>No</li></ul> | Proceed to section 1.3.  |
|         | separate and distinct construction activities may be taking place at different times on |                      |  |
|         | different schedules, but remain related and are within 1/4 mile of each other? (A       |                      |  |
|         | common plan of development will generally be documented on a site development           |                      |  |
|         | plan, master plan, or equivalent, for the property/project)                             |                      |  |
|         |   | 0 1/                 |  |
|         | Laboration to the line has Change Coroll Materials and                                  |                      | Proceed to section 2.  |
| 1.3     | Is the project within the Cherry Creek Watershed?                                       | O Yes                | Permanent water quality control measures may be required. Refer to Water       |
|         |   |                      | Qualtiy Control Regulation 72.7 for details and allowable exclusions.          |
|         |   | <ul><li>No</li></ul> | Permanent water quality control measures are not required.                     |
|         | <u> </u>  |                      | 1  |
| 2       | Applicable Site Types and Exclusions by Variance  |                      |  |
| 2.1     | Does the project have more than 35% impervious area on the existing site?               | O No                 | Project is an applicable Development Site. Proceed to section 3.               |
|         |   | O Yes                | Proceed to 2.2.  |
| 2.2     | Does the project have greater than 75% impervious area on the existing site?            | O No                 | Project is an applicable Redevelopment Site. Proceed to section 3.             |
|         |   | O Yes                | Project is an applicable Constrainted Redevelopment Site. Proceed to 2.3.      |
|         |   |                      |  |
| 2.3     | Will 100% of the runoff from the existing and proposed site be captured and treated     | O Yes                | No further action required.  |
|         | using one or more of the allowable design standards for permanent water quality?        |                      |  |
|         |   | 0                    |  |
|         |   |                      | Proceed to 2.4.  |
| 2.4     | Do any other water quality exclusions apply to the site?                                | O No                 | Portions of the project are excluded. Proceed with design in accordance with   |
|         |   |                      | Constrained Redevelopment standards and apply for variance for Constrained     |
|         |   |                      | Redevelopment Sites.   |
|         |   | O Yes                | Proceed to section 3. Following approval of other exclusions, design remaining |
|         |   |                      | site in accordance with Constrained Redevelopment standards and apply for      |
|         |   |                      | variance for Constrained Redevelopment Sites                                   |

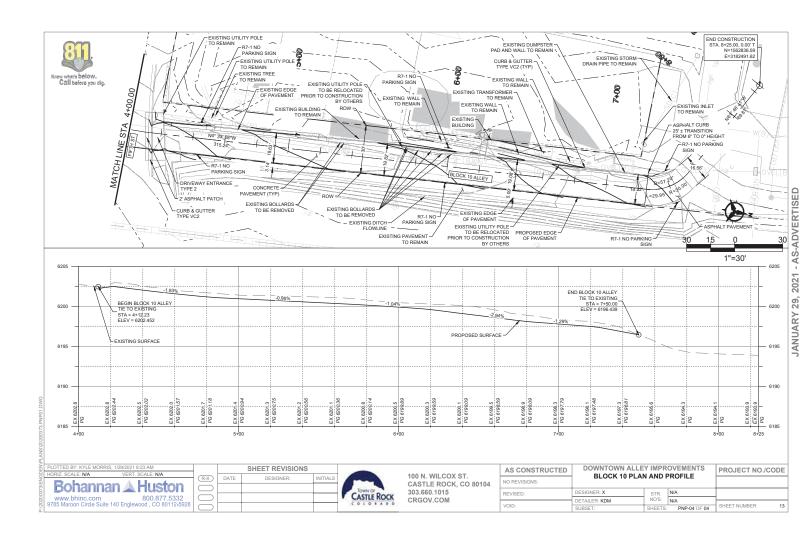
| Section | Question   | Response              | Instructions   |
|---------|--|-----------------------|--|
| 3       | Applicable Sites with Other Exclusions by Variance   |                       |  |
| 3.1     | Category 1: Roadways, bridges and trails only  |                       |  |
| 3.1.1   | Is the project a bike or pedestrian trail?   | ○ Yes                 | Proceed to next line.  |
|         |  | <ul><li>No</li></ul>  | Proceed to 3.1.2.  |
|         | Is the trail for a roadway?  | <ul><li>Yes</li></ul> | Proceed to 3.1.2.  |
|         |  | O No                  | Project is excluded. Submit variance for <u>Trails Excluded from Permanent Water</u>               |
|         |  |                       | Quality Requirements.  |
| 3.1.2   | Is the project primarily used for parking or access to parking?  | ○ Yes                 | This exclusion does not apply. Permanent water quality is required.                                |
|         |  | ● No                  | Proceed to 3.1.3.  |
| 3.1.3   | Does the project add impervious area?  | ● No                  | Project is excluded. Submit variance for Pavement Management Sites Excluded                        |
|         |  | _ v                   | from Permanent Water Quality Requirements.   |
| 214     | December and accepted accepted and accepted accepted and accepted and accepted and accepted accepted and accepted and accepted accepted and accepted accepted and accepted accepted and accepted accepted accepted accepted accepted accepted and accepted accepted accepted accepted accepted accepted and accepted acc | O Yes                 | Proceed to 3.1.4.  Project is excluded. Submit variance for Roadway Redevelopment Sites            |
| 3.1.4   | Does the project add more than 8.25 feet of paved width at any location to the existing roadway?   | O NO                  | Excluded from Permanent Water Quality Requirements.  |
|         | existing roadway:  | ○ Yes                 | Proceed to next line.  |
| -       | Does the project add more than one acre of paved area per mile to an existing  | O No                  | Project is excluded. Submit variance for Roadway Redevelopment Sites                               |
|         | roadway?   | 0 140                 | Excluded from Permanent Water Quality Requirements.  |
|         | iodana).   | ○ Yes                 | Proceed to next line.  |
|         | Does the project increase the width by two times or more, on average, of the original  | ○ No                  | Existing areas of site are excluded only. Submit variance for Existing Roadway                     |
|         | roadway area?  |                       | Surfaces Only Excluded from Permanent Water Quality Requirements.                                  |
|         |  |                       |  |
|         |  | ○ Yes                 | This exclusion does not apply. Permanent water quality is required.                                |
| 3.2     | Category 2: Non-residential and non-commercial projects only   |                       |  |
| 3.2.1   | Is the project associated with oil and gas exploration, production, processing, or   |                       | Project is excluded. Submit variance for Oil and Gas Exploration Sites Excluded                    |
|         | treatment operations or transmission facilities, including activities necessary to   |                       | from Permanent Water Quality Requirements.   |
|         | prepare a site for drilling and the movement and placement of drilling equipment?  |                       |  |
|         |  | _                     |  |
|         |  | O No                  | Proceed to 3.2.2.  |
| 3.2.2   | Is the project for stream stabilization?   | ○ Yes                 | Project is excluded. Submit variance for <u>Stream Stabilization Sites Excluded</u>                |
|         |  | O NI-                 | from Permanent Water Quality Requirements.   |
| 3.2.3   | Is the project for installation or maintenance of aboveground or underground utilities   | ○ No<br>○ Yes         | Proceed to 3.2.3.  Project is excluded. Submit <b>variance</b> for Aboveground and Underground     |
| 3.2.3   | or infrastructure that does not permanently alter the terrain, ground cover, or  | Ores                  | Utilities Excluded from Permanent Water Quality Requirements.                                      |
|         | drainage patterns from those present prior to the construction activity including  |                       | Othities excluded from Permanent Water Quality Requirements.                                       |
|         | activities to install, replace or maintain utilities under roadways or other paved areas   |                       |  |
|         | that return the surface to the same condition?   |                       |  |
|         |  |                       |  |
|         |  | O No                  | Proceed to 3.2.4.  |
| 3.2.4   | Is the project on undeveloped land (land with no human-made structures such as   | ○ Yes                 | Project is excluded. Submit variance for <u>Sites with Land Disturbances to</u>                    |
|         | buildings or pavement) that will remain undeveloped after the project?   |                       | Undeveloped Land that will Remain Undeveloped Excluded from Permanent                              |
|         |  |                       | Water Quality Requirements.  |
|         |  | ○ No                  | Proceed to 3.2.5.  |
| 3.2.5   | Will the post-project condition result in surface water discharge during the 80th  | O No                  | Project is excluded. Submit <b>study</b> along with <b>variance</b> for <u>Non-residential and</u> |
|         | percentile storm runoff event?   |                       | Non-commercial Infiltration Conditions Excluded from Permanent Water                               |
|         |  |                       | Quality Requirements.  |
|         |  | O Yes                 | This exclusion does not apply. Permanent water quality is required.                                |

| Section | Question  | Response | Instructions  |
|---------|---|----------|---|
| 3.3     | Category 3: Residential, Agricultural and Commercial projects                             |          |   |
| 3.3.1   | Is the project a single-family residential lot, or agricultural zoned lands, greater than | ○Yes     | Proceed to next line.   |
|         | or equal to 2.5 acres in size per dwelling unit?  |          |   |
|         |   | ○ No     | Proceed to 3.3.2.   |
|         | Is the project site greater than 10% impervious?  | ○ No     | Project is excluded. Submit variance for Large Lot Single Family Sites Excluded                 |
|         |   |          | from Permanent Water Quality Requirements.  |
|         |   | ○Yes     | Proceed to next line.   |
|         | Is the project site greater than 20% impervious?  | ○Yes     | This exclusion does not apply. Permanent water quality is required.                             |
|         |   | O No     | Proceed to next line.   |
|         | Will the post-project condition result in surface water discharge during the 80th         | O No     | Project is excluded. Submit <b>study</b> along with <b>variance</b> for <u>Large Lot Single</u> |
|         | percentile storm runoff event?  |          | Family Sites Excluded from Permanent Water Quality Requirements.                                |
|         |   |          |   |
|         |   | ○Yes     | This exclusion does not apply. Permanent water quality is required.                             |
|         |   |          |   |
| 3.3.2   | Will 100% of the runoff from the residential or commercial site be captured?              | ○Yes     | This exclusion does not apply. Permanent water quality is required.                             |
|         |   |          |   |
|         |   | O No     | Proceed to next line.   |
|         | Is all or a portion of the site undeveloped or will it remain undeveloped after           | ○Yes     | This portion of the project is excluded. Submit variance for <u>Sites with Land</u>             |
|         | construction?   |          | Disturbance to Undeveloped Land that will Remain Undeveloped Excluded from                      |
|         |   |          | Permanent Water Quality Requirements. Proceed to next line.                                     |
|         |   |          |   |
|         |   |          | Proceed to next line.   |
|         | Is the remaining untreated impervious area greater than 20% of the site?                  | ○Yes     | This exclusion does not apply. Permanent water quality is required.                             |
|         |   | O No     | Proceed to next line.   |
|         | Is the remaining untreated impervious area greater than one acre?                         | ○Yes     | This exclusion does not apply. Permanent water quality is required.                             |
|         |   | ○ No     | Proceed to next line.   |
|         | Is it practicable to capture runoff from portions of the site that will not drain to a    | ○ No     | Document justification demonstrating that it is not practicable to capture runoff               |
|         | control measure?  |          | from this portion of the site in the <b>drainage report</b> . No further action is              |
|         |   |          | needed.   |
|         |   | ○Yes     | This exclusion does not apply. Permanent water quality is required.                             |











#### **TECHNICAL MEMORANDUM**

| To:   | Mark Marlowe, Director of Castle Rock Water   |                      |  |  |  |  |  |
|---|---|----------------------|--|--|--|--|--|
| Thru:   | Tim Friday, Assistant Director  | TFF (in:thin)        |  |  |  |  |  |
| From:   | David Van Dellen, Stormwater Manager  | (initial)  (initial) |  |  |  |  |  |
| Date:   | March 7, 2022   |                      |  |  |  |  |  |
| Title:<br>Name:<br>Number:  | Technical Criteria Variance Application 2021 Pavement Management Program – Water Quality Exclusion er: TCV22-0023 |                      |  |  |  |  |  |
| Legal De  | Legal Description: Portions of Town of Castle Rock, Douglas County, CO  |                      |  |  |  |  |  |
| <b>Summary:</b> Section 13.1.5, Exclusions from Water Quality Enhancement and Full-Spectrum Detention of the Storm Drainage Design and Technical Criteria Manual (SDDTCM) excludes certain sites from the requirements. The proposed project qualifies for this exclusion under No. 1, Pavement Management Sites. |   |                      |  |  |  |  |  |
| Recomm  | Recommendation: X Approve Deny  |                      |  |  |  |  |  |
|   |   |                      |  |  |  |  |  |

**Discussion:** The 2021 Pavement Management Program includes five construction contracts for the purpose of rehabilitation, maintenance, and reconstruction of roadway pavement. As per the SDDTCM, these sites are excluded from the requirements for water quality enhancement and full-spectrum detention and shall be excluded by variance for the purpose of documentation under the Town's MS4 Permit. Portions of the work are in the Cherry Creek Watershed and subject to Cherry Creek Reservoir Control Regulation 72. As per Regulation 72.7.c.4.G, this work meets the requirements of an Automatic Exclusion from Post-construction stormwater management.

Staff has reviewed this variance request and finds that it meets the minimum requirements for approval under the SDDTCM and Control Regulation 72.



Development Services 100 N. Wilcox Street Castle Rock, CO 80104 720-733-2200 FAX 720-733-2231 NO. TCV22-0023

#### **TECHNICAL CRITERIA VARIANCE APPLICATION**

| DEVELOPMENT 2021 Pavment Management Program (PMP) - Town of Castle Rock  |
|--|
| LEGAL DESCRIPTION OF SUBJECT PROPERTY  |
| Portions of theTown of Castle Rock, Douglas County, Colorado   |
| VARIANCE REQUESTED:  |
| Code Section(s) 2019 Storm Drainage Design and Technical Criteria Manual Section 13.1.5  |
| Exclusions from Water Quality Enhancement and Full-Spectrum Detention  |
| Describe the Variance Requested  |
| Exclusions from water quality enhancement and full-spectrum detention  |
| Describe the exceptional situation or condition that exists  |
| The 2021 PMP includes six contracts: Asphalt Overlay; Curb, Gutter & Sidewalk Replacement; Full-Depth Reclamation; Slurry Seal Meadow Blvd./Castleton Ct. Restoration; Miscellaneous Concrete Replacement. Sites under these construction contracts meet the             |
| criteria for exclusion for Pavement Management Sites under code 13.1.5.  |
| Describe the difficulty or hardship that would be created by a strict enforcement of the code  |
| The SDDTCM allows for this exclusion by variance only.   |
|  |
| 3. Describe why there would not be any adverse impact on public health, safety and welfare   |
| These site are limited to the repair and replacement of pavement in a manner that does not result in an increased impervious area and the purpose of the activities are to prove additional years of service life and optimize service and safety of the public roadways |

1. Attach an improvement survey. 2. Attach a drawing showing the intended uses. 3. Provide any other information helpful to discussion. PROPERTY OWNER APPLICANT'S REPRESENTATIVE (If applicable) Town of Castle Rock Name: Name: Address: 4175 N. Castleton Ct. Address: Castle Rock, CO 80109 720-733-2462 Phone #: Fax #: \_\_\_\_\_\_Digitally signed by Brian Kelley DN: C=US, E=bkelley@crgov.com, OU=Public Works, O=ToCR, CN=Brian Kelley Date: 2022.03.07 14:41:15-07'00' Signature of Applicant For Staff Use Only Digitally signed by Mark Marlowe DN: cn=Mark Marlowe, o=Castle Rock Staff Recommendation: Approved XYes \( \sigma\) No Mark Marlowe Water, ou, email=mmarlowe@crgov.com, c=US Date: 2022.03.07 22:47:26 -07'00' Signature ☐ Public Works Director Director of Castle Rock Water Parks & Recreation Director **Development Services Director** Date Comments

Conditions of Acceptance

# 2021 PMP Pavement Treatment Plan PMP North 0 PMP Primary Morning View Drive Megan Road Vogeti Road Tits street South Street Wolfensberger Road Lantern Circo **Pavement Treatment** Emerald d 2in Mill and Overlay Bin Mill and Overlay Asphalt Slurry Seal Concrete Pavement Restoration

Crystal Valley Parkway



| Project Name 2021 Asphalt Overlay Project |  |                      |  |  |  |  |  |
|---|--|----------------------|--|--|--|--|--|
| Project Owner Town of Castle Rock         |  |                      |  |  |  |  |  |
| Project Location Castle Rock, CO          |  |                      |  |  |  |  |  |
| ToCR Project Number                       | er <u>2123-013</u>   | _                    |  |  |  |  |  |
| Total Site Area 35                        |  | acres                |  |  |  |  |  |
| <b>Total Size of Common</b>               | n Plan of Development  |                      | _ acres  |  |  |  |  |
| Check all that apply:                     |  |                      |  |  |  |  |  |
| <b>X</b> Project within                   | Plum Creek Basin   |                      |  |  |  |  |  |
| X Project within                          | <b>Cherry Creek Basin</b>  |                      |  |  |  |  |  |
| Estimated construction                    | on completion date _ July 26,                                      | 2021                 |  |  |  |  |  |
|   |  |                      |  |  |  |  |  |
|   |  |                      | meet one of the following base<br>standards that were applied to mee |  |  |  |  |
|   | WQCV standard  |                      |  |  |  |  |  |
|   | Pollutant removal standard   |                      |  |  |  |  |  |
|   | Runoff reduction standard  |                      |  |  |  |  |  |
|   | Applicable site draining to region discharging to WOTS)            | onal WQVC control 1  | measure (accepts drainage prior to                                   |  |  |  |  |
|   | Applicable site draining to regionarea control measure upstream of |                      | facility (with receiving pervious                                    |  |  |  |  |
|   | Constrained redevelopment site                                     | s standard           |  |  |  |  |  |
|   | • Imperviousness of existi   | ng site/             | (Imp. Ac/Site Ac) =%   |  |  |  |  |
|   | • Variance required TCV  | No                   | _  |  |  |  |  |
|   | Existing control measure with V                                    | VQCV per previous of | criteria standards   |  |  |  |  |
|   | Reference Construction   | on Permit No         |  |  |  |  |  |
|   | Cherry Creek Basin only, choos                                     | se one: Tier 1       | Tier 2 Tier 3  |  |  |  |  |
| Ø   | No control measures provided (                                     | See Permanent WQ     | Worksheet for applicability)   |  |  |  |  |

| 2. Was an exclusion t                  | to water quality applied as per SDD                                     | TCM Section 1       | 13.1.5?                                      |
|--|---|---------------------|--|
|  | please select all that apply, provide ble: TCV No. 22-0023              | total excluded      | impervious area(s) and submit variance, as   |
|  | <b>▼</b> Pavement management site                                       |                     |  |
|  | Excluded impervious area: 35  |                     | acres  |
|  | ☐ Excluded roadway redevelopm   |                     |  |
|  | Excluded impervious area:   |                     | acres  |
|  | ☐ Excluded existing roadway are   | as                  |  |
|  | Excluded impervious area:   |                     | acres  |
|  | ☐ Above ground and below ground   | nd utilities        |  |
|  | ☐ Large lot single family home  |                     |  |
|  | ☐ Non-residential and non-comm  | ercial infiltration | on   |
|  | Excluded impervious area:   |                     | _ acres                                      |
|  | ☐ Land disturbance for land to re                                       | main undevelo       | ped  |
|  | Excluded impervious area:   |                     | _ acres                                      |
|  | ☐ Stream Stabilization Sites  |                     |  |
|  | Excluded impervious area:   |                     | _ acres                                      |
|  | Trails  |                     |  |
|  | Excluded impervious area:   |                     | acres  |
|  | ☐ Oil and Gas Exploration   |                     |  |
|  | and Redevelopment sites, following 20% of the site and not to exceed of |                     | s claimed above, was any portion of the s No |
| If yes, complete th                    | e following:  |                     |  |
|  | Excluded area:  |                     |  |
|  | Total Site area:  | acres,              | % site excluded                              |
| 4. For Constrained si impervious area? |   | uded up to 50%      | of the site and not to exceed 50% of the     |
| If yes, complete th                    | e following:  |                     |  |
|  | Excluded area:  | acres               |  |
|  | Excluded impervious area:   |                     | acres  |
|  | Total Site area:  | acres,              | % site excluded                              |
|  | Total Impervious area:  | acres               | , % impervious excluded                      |



| Project Name 2021 Curb, Gutter & Sidewa                             | IK Replacement Project   |  |  |  |  |
|---|--|--|--|--|--|
| Project Owner Town of Castle Rock  Project Location Castle Rock, CO |  |  |  |  |  |
|   |  |  |  |  |  |
| Total Site Area 1.11  | acres  |  |  |  |  |
| Total Size of Common Plan of Developm                               | entacres   |  |  |  |  |
| Check all that apply:   |  |  |  |  |  |
| X Project within Plum Creek Basin                                   |  |  |  |  |  |
| X Project within Cherry Creek Basi                                  | n  |  |  |  |  |
| Estimated construction completion date                              | June 11, 2021  |  |  |  |  |
|   |  |  |  |  |  |
|   | licable development sites shall meet one of the following base n 14.4. Please select all design standards that were applied to mee |  |  |  |  |
| ■ WQCV standard   |  |  |  |  |  |
| ☐ Pollutant removal star  | ndard  |  |  |  |  |
| ☐ Runoff reduction stan   | dard   |  |  |  |  |
| <ul><li>Applicable site draini discharging to WOTS</li></ul>        | ng to regional WQVC control measure (accepts drainage prior to   |  |  |  |  |
| ☐ Applicable site draini area control measure                       | ng to regional WQVC control facility (with receiving pervious upstream of WOTS)  |  |  |  |  |
| ☐ Constrained redevelop   | pment sites standard   |  |  |  |  |
| <ul> <li>Imperviousnes</li> </ul>                                   | s of existing site/(Imp. Ac/Site Ac) =%  |  |  |  |  |
| Variance requi  | red TCV No   |  |  |  |  |
| Existing control meas   | ure with WQCV per previous criteria standards  |  |  |  |  |
| • Reference   | Construction Permit No.  |  |  |  |  |
| ☐ Cherry Creek Basin o  | nly, choose one: Tier 1 Tier 2 Tier 3  |  |  |  |  |
| ✓ No control measures j   | provided (See Permanent WQ Worksheet for applicability)  |  |  |  |  |

| 2. | Was an exclusion to                   | water quality applied as per SDI                        | OTCM Section     | 13.1.5? ✓ Yes No                                |
|----|---------------------------------------|---|------------------|---|
|    |                                       | ease select all that apply, provide le: TCV No. 22-0023 | total excluded   | d impervious area(s) and submit variance, as    |
|    | ſ                                     | Pavement management site                                |                  |   |
|    |                                       | Excluded impervious area: 1                             | .11              | acres   |
|    | 1                                     | ☐ Excluded roadway redevelopn                           | nent             |   |
|    |                                       | Excluded impervious area:                               |                  | acres   |
|    | 1                                     | ☐ Excluded existing roadway are                         | eas              |   |
|    |                                       | Excluded impervious area:                               |                  | acres   |
|    | 1                                     | ☐ Above ground and below grou                           | and utilities    |   |
|    | 1                                     | ☐ Large lot single family home                          |                  |   |
|    | 1                                     | ☐ Non-residential and non-comm                          | nercial infiltra | tion  |
|    |                                       | Excluded impervious area:                               |                  | acres   |
|    | 1                                     | ☐ Land disturbance for land to re                       | emain undevel    | oped  |
|    |                                       | Excluded impervious area:                               |                  | acres   |
|    | 1                                     | ☐ Stream Stabilization Sites                            |                  |   |
|    |                                       | Excluded impervious area:                               |                  | acres   |
|    | 1                                     | ☐ Trails  |                  |   |
|    |                                       | Excluded impervious area:                               |                  | acres   |
|    | 1                                     | ☐ Oil and Gas Exploration                               |                  |   |
| 3. | site excluded up to 2                 | 20% of the site and not to exceed                       |                  | ns claimed above, was any portion of the ves No |
|    | If yes, complete the                  | -   |                  |   |
|    |                                       | Excluded area:  |                  |   |
|    |                                       | Total Site area:  | acres,           | % site excluded                                 |
| 4. | For Constrained site impervious area? | _ ' ' 1   | luded up to 50   | % of the site and not to exceed 50% of the      |
|    | If yes, complete the                  | following:  |                  |   |
|    |                                       | Excluded area:  | acres            |   |
|    |                                       | Excluded impervious area:                               |                  | _ acres   |
|    |                                       | Total Site area:  | acres,           | % site excluded                                 |
|    |                                       | Total Impervious area:                                  | acre             | es, % impervious excluded                       |



| Project Name 2021 F  | Full Depth Reclamation Project   |                                    |  |  |  |
|--|--|------------------------------------|--|--|--|
| Project Owner Town of Castle Rock Project Location Castle Rock, CO |  |                                    |  |  |  |
|  |  |                                    |  |  |  |
| Total Site Area 2  | acres  |                                    |  |  |  |
| Total Size of Commo  | n Plan of Development  | _ acres                            |  |  |  |
| Check all that apply:  |  |                                    |  |  |  |
| X Project within   | Plum Creek Basin   |                                    |  |  |  |
| Project within   | Cherry Creek Basin   |                                    |  |  |  |
| Estimated constructi   | on completion date May 28, 2021  |                                    |  |  |  |
|  |  |                                    |  |  |  |
|  | atrol measure(s) for applicable development sites shall<br>er the SDDTCM Section 14.4. Please select all design<br>MS4 on this site. |                                    |  |  |  |
|  | WQCV standard  |                                    |  |  |  |
|  | Pollutant removal standard   |                                    |  |  |  |
|  | Runoff reduction standard  |                                    |  |  |  |
|  | Applicable site draining to regional WQVC control discharging to WOTS)   | measure (accepts drainage prior to |  |  |  |
|  | Applicable site draining to regional WQVC control area control measure upstream of WOTS)   | facility (with receiving pervious  |  |  |  |
|  | Constrained redevelopment sites standard   |                                    |  |  |  |
|  | • Imperviousness of existing site/   | (Imp. Ac/Site Ac) =%               |  |  |  |
|  | Variance required TCV No   | _                                  |  |  |  |
|  | Existing control measure with WQCV per previous  | criteria standards                 |  |  |  |
|  | Reference Construction Permit No   |                                    |  |  |  |
|  | Cherry Creek Basin only, choose one: Tier 1  | Tier 2 Tier 3                      |  |  |  |
|  | No control measures provided (See Permanent WO   | Worksheet for applicability)       |  |  |  |

| 2. Was an exclusion t                   | o water quality applied as per SDI                         | OTCM Section       | 13.1.5? ✓ Yes No                               |
|---|--|--------------------|--|
|   | please select all that apply, provide ble: TCV No. 22-0023 |                    | impervious area(s) and submit variance, as     |
|   | Pavement management site                                   |                    |  |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Excluded roadway redevelopm                              | nent               |  |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Excluded existing roadway are                            | eas                |  |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Above ground and below ground                            | and utilities      |  |
|   | ☐ Large lot single family home                             |                    |  |
|   | ☐ Non-residential and non-comm                             | nercial infiltrati | ion  |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Land disturbance for land to re                          | emain undevelo     | pped   |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Stream Stabilization Sites                               |                    |  |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Trails   |                    |  |
|   | Excluded impervious area:                                  |                    | _ acres  |
|   | ☐ Oil and Gas Exploration                                  |                    |  |
| site excluded up to                     | 20% of the site and not to exceed                          |                    | as claimed above, was any portion of the es No |
| If yes, complete the                    | •  |                    |  |
|   | Excluded area:   |                    | 0/ % 1 1 1                                     |
|   | Total Site area:   | acres,             | % site excluded                                |
| 4. For Constrained sit impervious area? |  | luded up to 50%    | % of the site and not to exceed 50% of the     |
| If yes, complete the                    | e following:   |                    |  |
|   | Excluded area:   | acres              |  |
|   | Excluded impervious area:                                  |                    | acres  |
|   | Total Site area:   | acres,             | % site excluded                                |
|   | Total Impervious area:                                     | acres              | s, % impervious excluded                       |



| Project Name 2021                               | Meadows Blvd & Castleton Ct. Concrete Pavement  | Restoration                        |  |  |  |
|---|---|------------------------------------|--|--|--|
| Project Owner Tow                               | n of Castle Rock  |                                    |  |  |  |
| Project Location Castle Rock, CO                |   |                                    |  |  |  |
| ToCR Project Numl                               | ber   |                                    |  |  |  |
| Total Site Area7                                | acres   |                                    |  |  |  |
| Total Size of Comm                              | on Plan of Development  | acres                              |  |  |  |
| Check all that apply                            | :   |                                    |  |  |  |
| X Project withi                                 | n Plum Creek Basin  |                                    |  |  |  |
| Project withi                                   | n Cherry Creek Basin  |                                    |  |  |  |
| Estimated construct                             | ion completion date   |                                    |  |  |  |
| design standards as period conformance with the |   |                                    |  |  |  |
|   | WQCV standard   |                                    |  |  |  |
|   | Pollutant removal standard  |                                    |  |  |  |
|   | Runoff reduction standard   |                                    |  |  |  |
| L   | Applicable site draining to regional WQVC control a discharging to WOTS)                  | measure (accepts drainage prior to |  |  |  |
|   | Applicable site draining to regional WQVC control farea control measure upstream of WOTS) | facility (with receiving pervious  |  |  |  |
|   | Constrained redevelopment sites standard  |                                    |  |  |  |
|   | • Imperviousness of existing site/  | (Imp. Ac/Site Ac) =%               |  |  |  |
|   | Variance required TCV No  | _                                  |  |  |  |
|   | Existing control measure with WQCV per previous of  | criteria standards                 |  |  |  |
|   | Reference Construction Permit No  |                                    |  |  |  |
|   | Cherry Creek Basin only, choose one: Tier 1   | Tier 2 Tier 3                      |  |  |  |
| 5   | No control measures provided (See Permanent WO)   | Worksheet for applicability)       |  |  |  |

| 2. | Was an exclusion to                   | water quality applied as per SDD                           | ΓCM Section        | 13.1.5? ✓ Yes No                               |
|----|---------------------------------------|--|--------------------|--|
|    |                                       | lease select all that apply, provide tele: TCV No. 22-0023 | otal excluded<br>_ | impervious area(s) and submit variance, as     |
|    | I                                     | <b>▼</b> Pavement management site                          |                    |  |
|    |                                       | Excluded impervious area:7                                 |                    | _ acres  |
|    | 1                                     | <ul> <li>Excluded roadway redevelopment</li> </ul>         | ent                |  |
|    |                                       | Excluded impervious area:                                  |                    | _ acres  |
|    | I                                     | ☐ Excluded existing roadway area                           | ıs                 |  |
|    |                                       | Excluded impervious area:                                  |                    | _ acres  |
|    | 1                                     | ☐ Above ground and below groun                             | d utilities        |  |
|    | 1                                     | ☐ Large lot single family home                             |                    |  |
|    | I                                     | ☐ Non-residential and non-commo                            | ercial infiltrati  | ion  |
|    |                                       | Excluded impervious area:                                  |                    | _ acres  |
|    | 1                                     | ☐ Land disturbance for land to rer                         | nain undevelo      | pped   |
|    |                                       | Excluded impervious area:                                  |                    | _ acres  |
|    | 1                                     | ☐ Stream Stabilization Sites                               |                    |  |
|    |                                       | Excluded impervious area:                                  |                    | _ acres  |
|    | 1                                     | ☐ Trails   |                    |  |
|    |                                       | Excluded impervious area:                                  |                    | _ acres  |
|    | I                                     | ☐ Oil and Gas Exploration                                  |                    |  |
| 3. | •                                     | 20% of the site and not to exceed o                        |                    | as claimed above, was any portion of the es No |
|    | ii yes, compiete the                  | Excluded area:   | acres              |  |
|    |                                       | Total Site area:   |                    | % site excluded                                |
| 4. | For Constrained site impervious area? |  | ided up to 50%     | % of the site and not to exceed 50% of the     |
|    | If yes, complete the                  | following:   |                    |  |
|    |                                       | Excluded area:   | acres              |  |
|    |                                       | Excluded impervious area:                                  |                    | acres  |
|    |                                       | Total Site area:   | acres,             | % site excluded                                |
|    |                                       | Total Impervious area:                                     | acres              | s. % impervious excluded                       |



| Project Name 2021 Slurry Seal Project  Project Owner Town of Castle Rock  Project Location Castle Rock, CO |   |                    |  |  |  |                     |                    |        |  |
|--|---|--------------------|--|--|--|---------------------|--------------------|--------|--|
|  |   |                    |  |  |  | ToCR Project Number | er <u>2021-015</u> |        |  |
|  |   |                    |  |  |  | Total Site Area 192 |                    | _acres |  |
| <b>Total Size of Commo</b>   | n Plan of Development   |                    | acres  |  |  |                     |                    |        |  |
| Check all that apply:  |   |                    |  |  |  |                     |                    |        |  |
| X Project within   | Plum Creek Basin  |                    |  |  |  |                     |                    |        |  |
| X Project within   | Cherry Creek Basin  |                    |  |  |  |                     |                    |        |  |
| Estimated construction   | on completion date August 27                                      | ', 2021            |  |  |  |                     |                    |        |  |
|  |   |                    |  |  |  |                     |                    |        |  |
|  |   |                    | meet one of the following base<br>standards that were applied to mee |  |  |                     |                    |        |  |
|  | WQCV standard   |                    |  |  |  |                     |                    |        |  |
|  | Pollutant removal standard  |                    |  |  |  |                     |                    |        |  |
|  | Runoff reduction standard   |                    |  |  |  |                     |                    |        |  |
|  | Applicable site draining to regio discharging to WOTS)            | nal WQVC control r | measure (accepts drainage prior to                                   |  |  |                     |                    |        |  |
|  | Applicable site draining to regio area control measure upstream o |                    | acility (with receiving pervious                                     |  |  |                     |                    |        |  |
|  | Constrained redevelopment sites                                   | standard           |  |  |  |                     |                    |        |  |
|  | • Imperviousness of existing                                      | g site/            | (Imp. Ac/Site Ac) =%   |  |  |                     |                    |        |  |
|  | <ul> <li>Variance required TCV N</li> </ul>                       | lo                 | -  |  |  |                     |                    |        |  |
|  | Existing control measure with W                                   | QCV per previous o | criteria standards   |  |  |                     |                    |        |  |
|  | Reference Construction  | n Permit No        |  |  |  |                     |                    |        |  |
|  | Cherry Creek Basin only, choose                                   | e one: Tier 1      | Tier 2 Tier 3  |  |  |                     |                    |        |  |
| Q  | No control measures provided (S                                   | See Permanent WQ V | Worksheet for applicability)   |  |  |                     |                    |        |  |

| 2. Was an exclusion                 | n to water quality applied as per SDD                       | TCM Section 1        | 3.1.5? ✓ YesNo                                    |
|-------------------------------------|---|----------------------|---|
|                                     | please select all that apply, provide able: TCV No. 22-0023 | total excluded i     | mpervious area(s) and submit variance, as         |
|                                     | <b>▼</b> Pavement management site                           |                      |   |
|                                     | Excluded impervious area:1                                  | 92                   | acres   |
|                                     | ☐ Excluded roadway redevelopm                               | ent                  |   |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | ☐ Excluded existing roadway are                             | as                   |   |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | ☐ Above ground and below ground                             | nd utilities         |   |
|                                     | ☐ Large lot single family home                              |                      |   |
|                                     | ☐ Non-residential and non-comm                              | nercial infiltration | on  |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | ☐ Land disturbance for land to re                           | main undeveloj       | ped   |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | ☐ Stream Stabilization Sites                                |                      |   |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | ☐ Trails  |                      |   |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | ☐ Oil and Gas Exploration                                   |                      |   |
| site excluded up                    | to 20% of the site and not to exceed of                     |                      | s claimed above, was any portion of the s \sum No |
| If yes, complete t                  | -   |                      |   |
|                                     | Excluded area:  |                      |   |
|                                     | Total Site area:  | acres,               | % site excluded                                   |
| 4. For Constrained impervious area? |   | uded up to 50%       | of the site and not to exceed 50% of the          |
| If yes, complete t                  | the following:  |                      |   |
|                                     | Excluded area:  | acres                |   |
|                                     | Excluded impervious area:                                   |                      | acres   |
|                                     | Total Site area:  | acres,               | % site excluded                                   |
|                                     | Total Impervious area:                                      | acres,               | % impervious excluded                             |