PERMANENT CONTROL MEASURE PLAN CHECKLIST

PCM Plans shall include the following as a minimum. The DCM Criteria must be shown to be met with the PCM Plan. Additional information may be required to show Criteria is being met.

PLAN CONTENTS

1. Cover Sheet

    a. Plan set labeled as Public PCM Plan or Private PCM Plan
    b. General vicinity map – A map showing relationship of the site to existing and planned roadways, jurisdictional boundaries, major creeks, and streams.
    c. Subdivision/PCM name – The name as it appears on the Final Plat. If the PCM is sub-regional or regional and has a different name than the development, include the PCM name and associated development name in the title. If the project is not associated with a subdivision, include Project name.
    d. Project data to include the following:
        i. Parcel number that the PCM is located within
        ii. Report containing the PCM design calculations, including STM-REVXX-XXXX review number
        iii. Responsible party for functional maintenance of the PCM structures
        iv. Responsible party for aesthetic maintenance of the PCM
        v. 100-yr water surface elevation
        vi. EURV water surface elevation
        vii. WQCV water surface elevation
    e. Cost Estimate – Include an itemized cost estimate with item description, quantity, and unit price. A 10% engineering contingency must be included. A total cost for the PCM must also be included. Financial assurances in the amount of the cost estimate must be posted prior to PCM Plan approval. This requirement does not apply to capital projects.
    f. Standard PCM Notes (see below)
    g. Signature blocks (see below)

2. Plan

    a. The plan must be shown at a maximum scale of 1-inch to 100 feet
    b. Engineer must stamp/sign each sheet
    c. North Arrow and Bar Scale
    d. Property lines must be shown and labeled

e. Existing topography at one or two foot contour intervals. The map should extend a minimum of 50-feet beyond the PCM limits. PCM limits for the purpose of this checklist include all access to the PCM.
f. Proposed topography at one or two foot contour intervals. The map should extend a minimum of 50-feet beyond the PCM limits.
g. Slope labels for side slopes, bottom of PCM, maintenance access and low-flow channel (if provided)
h. Existing or proposed water courses – to include, but not limited to, groundwater springs, streams, wetland, or other surface waters.
i. FEMA 100-yr floodplain boundaries with label
j. Location of all drainage features – to include, but not limited to storm sewer, other PCMs, etc. All drainage infrastructure must be labeled as public or private.
k. Location and labeling of all easements within the PCM limits.
l. Vegetation – Include reference to Landscaping Plan or include landscaping details
m. Boring locations – if using full infiltration
n. 100-Year water surface elevation line is shown and labeled in plan view (or WQCV water surface elevation if facility provides water quality treatment only).
o. Maintenance Access – shown and labeled with material specified
p. Overflow routing – emergency overflow routing direction labeled.
q. Utility locations and easements - grading over existing utilities or within dedicated easements is restricted

3. Construction Details

a. Structural details and associated notes for all proposed structures within the PCM. Conceptual drawings from the DCM and MHFD manual do not meet this requirement. Standard CDOT reinforcement details are acceptable where permitted by criteria. Standard CDOT details cannot be used for riprap sizing.
b. Material specifications for items such as filter materials, underdrains, etc.

PCM STANDARD NOTES

1. This PCM Plan will be subject to re-review and re-acceptance by SWENT if work on the PCM does not commence within twelve (12) months of plan approval, or should any of the following occur: a change in property ownership, proposed development changes, or proposed PCM revisions.

2. The contractor should contact the Engineer of Record and SWENT Lead Reviewer immediately should construction of the PCM vary in any way from the plans.

3. A Professional Engineer (PE) Certification that the PCM has been installed and constructed in general conformance with these plans will be required once the PCM is fully constructed. An as-constructed survey must be completed to verify facility volumes and elevations. The as-built drawings must be submitted along with the PE Certification. A PE certification requires periodic on-site observations by the Engineer of Record or a person under their responsible charge. Coordination with the Engineer of Record to ensure that the necessary on-site observations are completed is the responsibility of the applicant.

4. Acceptance of this plan does not constitute approval to grade or cause any disturbance within in any utility easement or Right-of-Way. Approvals to work within utility easements must be obtained from the appropriate utility company. It is not permissible for any person to modify the grade of the earth on any utility easement or Right-of-Way without the appropriate written approval. The plan shall not increase or divert water toward utility facilities. Any changes to existing utility facilities to accommodate the plan must be approved by the affected utility owner prior to implementing the plan. The applicant is responsible for the cost to relocate or protect existing utilities or to provide interim access.

PCM PLAN SIGNATURE BLOCKS

Engineer's Statement:

This Permanent Control Measure (PCM) Plan was prepared under my direction and supervision, was designed in accordance with the City of Colorado Springs Drainage Criteria Manual (current version), and is correct to the best of my knowledge and belief. I accept responsibility for any liability caused by any negligent acts, error or omissions on my part in preparation of this PCM Plan.

Signature: Date:

Printed Name:

Email address: Seal

Developer's Statement:

{Name of Developer} hereby certifies that the PCM for {Name of Development} shall be constructed according to the design presented in this plan. I understand that the City of Colorado Springs does not and will not assume liability for the drainage facilities designed and/or certified by my engineer and that are submitted to the City of Colorado Springs pursuant to section 7.4.701 of the City Code; and cannot, on behalf of {Name of Developer}, guarantee that the final drainage design review will absolve {Name of Developer} and/or their successors and/or assigns of future liability for improper design.

Name of Developer:

Authorized Signature: Date:

Printed Name:

Title: Email:

Address: Phone:

City of Colorado Springs Review Statement:

Filed in accordance with Section 7.4.701 of the Code of the City of Colorado Springs, 2023.

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For SWENT Manager Date

Conditions: