Updated 5/23/2026

Post Construction Review Checklist

Project name _____

Project type (CIP, Development, Special)_____ Project number_____

Developer/design consultant _____

Reviewer _____ Date of review _____

Review number _____

General Post Construction Items Checklist

Item	Yes	No	n/a
1. Did we receive a properly completed Base Design Standards Sheet (separate or with an FDR/DCL)?	☐	☐	☐
2. Did the FDR(DCL) and/or Base Design Standards Sheet specify the Water Quality Standards being utilized?	☐	☐	☐
3. Was a Water Quality Exhibit included with the FDR(DCL) or Plan Set detailing how each part of the site is treated or excluded? If very little of site excepted or infeasible ok to waive the exhibit.	☐	☐	☐
4. If the Applicable Development is part of a Larger Common Development happening now and will be using the 20%/1 acre exclusion through an appropriate standard, was proof provided there is allotment for this exclusion available? (For lots over 1 acre which will build their own treatment facility, discuss with Coordinator).	☐	☐	☐
5. If Runoff Reduction was used as a Water Quality Standard, was a Runoff Reduction exhibit included which details at minimum the UIA:RPA?	☐	☐	☐
6. If Runoff Reduction was used was the feature free of an underdrain and NOT fully enclosed? (No infiltration systems not allowed, Partial Infiltration potential).	☐	☐	☐
7. Were all Permanent Stormwater Control Measures used to meet a Water Quality Standard labeled on the Plan Set (For Grass Swales and Buffers this can be covered by the note on over compaction/vegetative density)?	☐	☐	☐
8. Were appropriate MHFD or CDOT details for features included in the plan set? (New MHFD Ch 4 details)	☐	☐	☐
9. If applicable was a location for Educational Signage chosen and sign type specified?	☐	☐	☐
10. If applicable was the appropriate detail for Educational Signage included in the plan set?	☐	☐	☐
11. Was a narrative reference for any nonstructural control measures included if applicable? (Satisfied by MS4 Notes)	☐	☐	☐
12. Was documentation regarding Operations and Maintenance included? (Satisfied by MS4 Notes)	☐	☐	☐
13. Was documentation regarding easements or ease of access agreements included? (Satisfied by MS4 Notes)	☐	☐	☐

Extended Detention Basin Checklist

Item	Yes	No	n/a
1. If tributary is less than 20 acres, did we advise use of alternative control measures?	☐	☐	☐
2. Are the WQCV/EURV elevations marked on the pond details?	☐	☐	☐
3. Are the steepest slopes in the pond no steeper than 4:1?	☐	☐	☐
4. If a vegetated low flow channel was used did we advise against its use and recommend a concrete channel?	☐	☐	☐
5. Were trickle channel inlet connections angled rather than at right angles?	☐	☐	☐
6. Did steep inlets to the pond include energy dissipation?	☐	☐	☐
7. Do the elevations of the micropool WSE and invert/centroid of lowest orifice hole match?	☐	☐	☐
8. If orifice holes are less than 1.25” was a Well Screen used?	☐	☐	☐
9. If orifice holes are greater than 1.25” was a Bar Grate used?	☐	☐	☐
10. Does the orifice plate include a call out for a neoprene gasket?	☐	☐	☐
11. Does the trash rack include a shovel gap?	☐	☐	☐
12. Was a flood control Restrictor Plate included at the outfall?	☐	☐	☐
13. Is the maintenance access path material crushed, angular rock and include a geotextile liner underneath? (No recycled concrete)	☐	☐	☐
14. Does the maintenance access path lead at a minimum to the Outlet Structure and avoid crossing the trickle channel?	☐	☐	☐
15. Are all structures throughout the feature free of recycled concrete backfill (retaining walls, etc.)? *Requirement also appears on MS4 Erosion Control Notes.*	☐	☐	☐
16. Is the elevation of the overflow weir higher than the outlet structure and provide positive drainage away from the pond?	☐	☐	☐
17. Does the pond include measures for final stabilization?	☐	☐	☐
18. For instances when EDB used as a regional future, does the feature have capacity (DCL/FDR) and at least a well screen and orifice plate?	☐	☐	☐
19. Ensure a note is included stating: City of Thornton recommends Temporary or Permanent irrigation where appropriate to achieve functionality. (Fulfilled by MS4 Erosion Control Notes)	☐	☐	☐
Comments:			

Rain Garden/Sand Filter Checklist

Item	Yes	No	n/a
1. For Concentrated Flows into the feature, are proper inflow components installed? May include a Forebay with openings, level spreader, etc.? Ensure openings in Forebay/spreader are sized appropriately.	☐	☐	☐
2. For Sheet Flows into the feature are proper inflow components installed? May include curb cuts, concrete pads, vegetated areas, etc. Ensure openings in curb cuts or spreaders are sized appropriately.	☐	☐	☐
3. Were energy dissipation measures installed beyond the inflow features? May include a concrete mow strip, rip rap, etc.	☐	☐	☐
4. Was the grade from inflow feature to media surface supportive of positive drainage and prevention of backflow? 2" minimum for slotted curb and level spreaders, 1-2" maximum from forebays.	☐	☐	☐
5. If partial or no infiltration, was an impermeable liner included under the system?	☐	☐	☐
6. Is the filter media layer at least 18" in depth?	☐	☐	☐
7. Are media specifications for the Biomedia (Table BR-3), Filter Sand (Table 4-5) and/or #8 Drain Gravel (Table 4-4) included in the plan? (MHFD Vol 3, Ch 4).	☐	☐	☐
8. Is the underdrain pipe embedded in a trench of #8 clean, coarse aggregate?	☐	☐	☐
9. Is the underdrain trench at least 12" wide at its base and at least 15" deep with 1:1 slopes?	☐	☐	☐
10. Is there a minimum 6" thick layer of sand (M43 Sand) over the underdrain layer which extends at least 12" beyond the edges of the trench?	☐	☐	☐
11. Are underdrain perforations slots rather than holes?	☐	☐	☐
12. Is the underdrain unwrapped?	☐	☐	☐
13. Are clean out risers added at every hard angle of the underdrain system?	☐	☐	☐
14. Are clean out risers solid and not perforated?	☐	☐	☐
15. Is the overflow elevation 1ft or less above top of the filter media elevation? (Required for Bioretention but not Sand Filters)	☐	☐	☐
16. If the feature includes a water quality structure with an orifice plate does it include a neoprene gasket and orifice no less than 3/8"?	☐	☐	☐
17. For Bioretention Only, if the feature includes a water quality structure with an upturned elbow PVC, is the orifice shown, the pipe capped, and the orifice no less than 3/8"?	☐	☐	☐
18. Is the outfall pipe from the outlet structure a solid PVC?	☐	☐	☐
19. Does the feature include measures for final stabilization?	☐	☐	☐
20. If feature to be vegetated in whole or in part, ensure a note is included: "City of Thornton recommends Temporary or Permanent irrigation where appropriate to achieve functionality. For Bioretention, Initial Acceptance will not be granted until the feature reaches 70% overall coverage so planning ahead is key."	☐	☐	☐

Item	Yes	No	n/a
21. Are all structures throughout the feature free of recycled concrete backfill (retaining walls, etc.)? *Requirement also appears on MS4 Erosion Control Notes.*	☐	☐	☐
Comments:			

Underground System Checklist

Item	Yes	No	n/a
1. Was the entire system wrapped by a non-woven geotextile?	☐	☐	☐
2. Is at least one Isolator Row shown on the plan detail?	☐	☐	☐
3. Was the Isolator Row(s) lined with a woven geotextile?	☐	☐	☐
4. Does each Isolator Row include a solid inspection port in the middle third of its length?	☐	☐	☐
5. Is all filter rock media called out as washed and angular?	☐	☐	☐
6. Are underdrain perforations slots rather than holes?	☐	☐	☐
7. Is the underdrain unwrapped?	☐	☐	☐
8. Does the Underdrain have a clear location for cleanout? (May utilize outlet structure)	☐	☐	☐
9. Are all structures throughout the feature free of recycled concrete backfill (retaining walls, etc.)? *Requirement also appears on MS4 Erosion Control Notes.*	☐	☐	☐
10. Does the Outlet Structure include an orifice plate with neoprene gasket?	☐	☐	☐
Comments:			

Proprietary Device Checklist

Item	Yes	No	n/a
1. If the device will treat public stormwater flows, will it be maintained by a private entity? (Proprietary Devices not accepted for City maintenance)	☐	☐	☐
2. Does the plan include a manufacturers detail for the feature?	☐	☐	☐
Comments:			

Runoff Reduction Controls (Grass Swale, Grass Buffer, etc.) Checklist

Item	Yes	No	n/a
1. For Concentrated Flows into the feature, are proper inflow components installed? May include a Forebay with openings, level spreader, etc.? Ensure openings in Forebay/spreader are sized appropriately.	☐	☐	☐
2. For Sheet Flows into the feature are proper inflow components installed? May include curb cuts, concrete pads, vegetated areas, etc. Ensure openings in curb cuts or spreaders are sized appropriately.	☐	☐	☐
3. Were energy dissipation measures installed beyond the inflow features? May include a concrete mow strip, rip rap, etc.	☐	☐	☐
4. Was the grade from inflow feature to vegetated surface supportive of positive drainage and prevention of backflow? 2" minimum for slotted curb and level spreaders, 1-2" maximum from forebays.	☐	☐	☐
5. For Grass Buffers and Grass Swales is there a note on the Initial/Interim phases stating "Grass Swale/Buffer Avoid over compaction".	☐	☐	☐
6. For Grass Buffers and Grass Swales is there a note on the Final Phase stating "Vegetative Density in Grass Swale/Buffer must reach 80%"?	☐	☐	☐
7. For Grass Buffers and Grass Swales is there a note stating: City of Thornton recommends Temporary or Permanent irrigation where appropriate to achieve functionality.	☐	☐	☐
8. For Grass Swales was the overall shape trapezoidal with slopes no steeper than 3:1?	☐	☐	☐
9. For Grass Swales, was an underdrain used only if the slope was very shallow?	☐	☐	☐
10. Are all structures throughout the feature free of recycled concrete backfill (retaining walls, etc.)? *Requirement also appears on MS4 Erosion Control Notes.*	☐	☐	☐
Comments:			

Plan Approval

Does the checklist show that all required elements are addressed in the SECP?

☐ **Yes** ☐ **No**

- If No, ESC Plan must be resubmitted for review after correction.
- If Yes, reviewer shall submit and save a copy of the approved checklist in the project folder.

Signature _____

Date of Approval _____