

Attachment C - Summary of 2018 Approved Variances

| Date | Number | Name | Type | Sub-Type | Criteria | Hardship | Notes |
|------------|------------|---|------------------------|-----------------------------|--------------------------------------|---|---|
| 10/10/2018 | TCV18-0019 | Lanterns Overhead Irrigation | Landscape & Irrigation | Overhead Irrigation | temporary irrigation in median | Would limit effectiveness of integrating established native grasses. | Overhead req'd to establish native seed in median, highly visible locations. Temporary, medians & roundabouts |
| 2/28/2018 | TCV17-0048 | Culver's - Retail Underground Detention | Stormwater | Detention pond | underground detention | Surface pond for WQCV required would be large, deep, need additional walls and side slope. | Project proposes to treat the water underground in the parking lot with Baysaver Barracade vortex separator by DS and detain the calculated WQCV with a 12-hour release in accordance with the USDCM. |
| 7/2/2018 | TCV16-0037 | Auburn Ridge Ph. II - Undetained Storm Drainage | Stormwater | Detention pond | untreated runoff | Collecting flow along slopes that naturally direct stormwater to Omni Gulch is not feasible on North and West edges | Areas adjacent to Auburn Dr are too low to connect to the proposed storm sewer system, or to be conveyed overland to the existing water quality basin. |
| 1/16/2018 | TCV17-0055 | The Springs at CR - Offsite Drainage | Stormwater | Detention pond | untreated runoff | drainage pattern. All flows tributary to regional, offsite detention and water quality. | Existing topo and other site constraints capture only 90% of runoff |
| 9/11/2018 | TCV18-0039 | Castle Rock Industrial Park - Offsite Drainage | Stormwater | Detention pond | untreated runoff | Would require non compliance with ToCR criteria, would conflict with existing IREA overhead power lines | Temporary until adjacent site is developed. |
| 11/21/2018 | TCV18-0048 | Undetained Flow | Stormwater | Detention pond | untreated runoff | Detention pond cannot be constructed in the floodplain | Rip-rap overflow swale will flow directly into Plum Creek with minimal disturbance to the channel stability |
| 11/29/2018 | TCV18-0049 | Working Bench Access to Forebay | Stormwater | Detention pond | untreated runoff | Strict enforcement would require removal of therapy garden or modification to floodplain. | 12' drive req'd for nursing home access. Distance to forebay, Sec 13.6.1 |
| 8/3/2018 | TCV18-0031 | Sunstone Village - Emergency Freeboard Req't | Stormwater | Detention pond | emergency overflow | No area on site for conventional emergency spillway due to proposed future widening of Hwy 86 | Lots adjacent to floodplain could not have basements should code be strictly enforced. Freeboard |
| 9/7/2018 | TCV18-0040 | Retaining wall in easement | Stormwater | Easement | retaining wall in easement | Substantial redesign of the site, pond and buildings if code strictly enforced | Sec 9.4.3 |
| 4/19/2018 | TCV18-0004 | Promenade at CR - Utility Easement slopes | Stormwater | Easement | slope > 10% | Site topo, 15' dry utility easement prevent storm pipe for conveyance of surface flow | Storm pipe longitudinal slope and cross slope. Site topo, existing slopes and grade difference, 15' dry utility easement impede installation |
| 3/16/2018 | TCV18-0009 | Liberty Village Planning Area 5 | Stormwater | Floodplain | freeboard | Strict enforcement would require more walls, cause houses to be unusually elevated, require more steps and steeper grades | Dev preceeded requirement, lay dormant and elevating homes not feasible (cont.) |
| 4/6/2018 | TCV18-0010 | Liberty Village Planning Area 7 | Stormwater | Floodplain | freeboard | Would require more walls, cause houses to be unusually elevated, require more steps and steeper grades | first floor set 2 ft above 100-yr BFE e. g. slopes and steps req'd |
| 2/28/2018 | TCV18-0003 | Springs at Castle Rock | Stormwater | Flow in street | emergency overflow | Could create unsafe cross-slopes thru the drive aisles | attached apartment). Failure and 100% clogged conduit. unlikely |
| 1/19/2018 | TCV17-0063 | Emerald Hills - Retaining Wall over Storm | Stormwater | Storm Sewer | retaining wall over pipe in easement | stepped retaining walls not feasible while also providing adequate storage. | Retaining wall over 18" RCP. |
| 11/28/2018 | TCV18-0056 | EPC Trail Ph 5 | Stormwater | Storm Sewer | outfall velocity > 15 fps | 1-foot depth will not have enough force to erode | 15fps max, per Sec 11.3.7 |
| 12/17/2018 | TCV18-0058 | Meadows F16 Par 8 U-Channel Freeboard | Stormwater | swale | freeboard | Strict enforcement would require greater disturbance, removal of key feature | Existing vegetation and slope more beneficial for channel than freeboard. Strict enforcement would require removal of therapy garden or modification to floodplain |
| 12/17/2018 | TCV18-0059 | Meadows F16 Par 8 Grass Swale Slope | Stormwater | swale | slope > 0.6% | Would require 15' of vertical drops and increased maintenance over swale lifetime | Exceeds maximum 0.6% slope |
| 9/4/2018 | TCV18-0032 | Meadows 18 Neighborhood Park | Wastewater | Sanitary Sewer service line | connected to MH | Strict enforcement would require constructing MH near 8-in stub, placing it in WQ pond | Remove Stub, add 4-in line |
| 10/16/2018 | TCV18-0052 | Lots 1 & 2 Castle Rock Industrial Park | Water | Curb stops | in pavement | No nearby landscape area | No landscaping, taps for service and fire line taps must be made on paved surface, Sec 4.4.16.2(8). Otherwise, requires substantial redesign of the site buildings |
| 12/4/2018 | TCV18-0055 | La Loma Curbstop in Pavement | Water | Curb stops | in pavement | No nearby landscape area | or would require excessive length and bends. Sec 4.4.16.2(8). Multiple utilities, curb stop will be in traffic-related valve box |
| 1/16/2018 | TCV17-0054 | The Springs at CR - Crossspan and Utility Clearance | Water | Water line | clearance from gutter | 5' from gutter pans and 10' separation of utilities not possible. Prioritized 10' separation between utilities | Waterline clearance below crossspan. |
| 12/20/2018 | TCV18-0021 | Lanterns Cul-de-sac Lengths | Water | Water line | long dead ends | Looped lines would be required in major drainageways. | Added hydrants, increased from 12 homes to 17 |