

CHERRY HILLS VILLAGE

Checklist for Civil Engineering and Drainage Plans

This checklist intended for Civil Engineering Plans to be used for both permitting and to accompany any Drainage Report/Letter has been adapted from both the Arapahoe County Stormwater Management Manual and checklist and the Southeast Metro Stormwater Authority (SEMSWA) checklist and shall be utilized for Submittals within Cherry Hills Village.

Project Name: _____

Engineer: _____

Address: _____

Phone: _____ **Email:** _____

Yes	No	N/A	Requirements
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I. OVERALL GRADING & DRAINAGE PLAN

			1 24" x 36" in size, 22" x 34" also acceptable when half size sets will be produced
			2 Title block, legend & City approval block
			3 North arrow
			4 Show project boundaries
			5 Show and Label existing or proposed streets, roadways, or highways
			6 Show limits/delineation of all major basins, including off-site basins where feasible
			7 Basin designations, design points, flow rates, volumes, release rates, consistent with City/County standards
			8 General drainage patterns and flow paths, including those entering and leaving the site
			9 Location and outline of detention and water quality facilities
			10 Existing & Proposed Topographic information
			11 Identify existing stormwater management facilities, upstream, downstream, or within the site, which will provide a stormwater management function for the site
			12 Overlay or figure showing layout of Detailed Drainage Plan sheets
			13 Location and elevation of all existing and proposed 100-year floodplain boundaries, including the source of designation.
			14 Summary Runoff Table
			15 Summary Volume Table for all water quality and/or detention facilities
			16 Warning signage for facility, if required

II. DETAILED GRADING & DRAINAGE PLANS

			1 24" x 36" in size, 22" x 34" also acceptable when half size sets will be produced
			2 Title block, legend & City approval block
			3 North arrow
			4 Scale 1"= 20' to 1"= 100', as required to show sufficient detail

			5 Existing (dashed or screened) and proposed (solid) contours. Existing contours shall extend a minimum of 100 feet beyond property lines
			6 Slope labels, demonstrating maximum slopes on-site is 4:1
			7 Existing and Proposed utilities and structures
			8 All property lines and easements with type & width of easements noted
			9 Adjacent developments or ownerships
			10 Streets and roadways with ROW and flow line widths, type of curb and gutter or roadside swale, slopes flow directions, and crosspans
			11 High/Low point spot elevations
			12 Spot elevations around building(s), plaza areas, stormwater facilities, walls, swales, paved areas, etc.
			13 Show, label and detail existing and proposed stormwater management facilities, including irrigation ditches, roadside swales, open channels and drainageways, storm sewers, culverts, detention ponds, water quality enhancement structures or features, etc. Information must be included regarding materials, sizes, shapes, and slopes
			14 Proposed outfall points and existing or proposed facilities to convey runoff to the nearest major drainageway

III. OVERALL CIVIL ENGINEERING/UTILITY PLANS

			1 24" x 36" in size, 22" x 34" also acceptable when half size sets will be produced
			2 Title block, legend & City approval block
			3 North arrow and scale
			4 Show project boundaries
			5 Existing or proposed streets, roadways, or highways
			6 Show alignment of proposed, existing or modified utilities
			7 Show and detail utilities for pool/spa installation, if applicable
			8 Show and detail connections to existing utility mains
			9 Provide typical notes for utility installation (cover requirements, etc.)
			10 Provide utility crossing information including top/bottom of pipes and clearance provided for all utility crossing locations

IV. SITE DETAILS

			1 24" x 36" in size, 22" x 34" also acceptable when half size sets will be produced
			2 Wall details, if applicable
			3 Stormwater facility outlet structure details, if applicable
			4 Other site specific details as needed

V. GRADING, EROSION AND SEDIMENT CONTROL PLANS

Refer to GESC Report and Plan Checklist