

Section 11.0 Drawing Requirements Checklist

1.0 Project Information	
1(a)	Project Name
1(b)	Owner
1(c)	City Project Number (e.g. DA, DP, CD, DL)
2.0 General Format Requirements	
2(a)	Location Key Plan: That shows the location of the project in relation to City boundaries
2(b)	Drawing Title: (e.g. before stripping and grading)
2(c)	Scale: Include a scale bar. Drawings must be scaled for readability.
2(d)	Date: All the dates in the Project Information section match (except cut and fill, landscape)
2(e)	Professional Stamp: Permit – Seal (CPESC, Alberta P.Eng., Alberta P.L.Eng or Alberta P.Ag)
2(f)	Office Use Space: Designated and labelled City of Calgary Office Use
2(g)	Drawing Code: The drawing code is labeled to match Section 12.0 ESC Drawing Code's
2(h)	Revision Table: All drawings include a properly populated revisions table
2(i)	North Arrow
2(j)	Match Line: Where more than one drawing is required to show a single stage in time
2(k)	Legend Items: Include a legend on the right side of the page for all ESC1-3 and ESC5- 8
3.0 Structures	
3(a)	Buildings: Show the location of the footprint where the construction project is being built.
3(b)	Stockpiles: Locations, types, and estimated volume of the pile
3(c)	Retaining Walls: Show the height and location of retaining walls
3(d)	ESC 6 Utility Key Plan: Key plan that shows deep and shallow underground utilities
4.0 Boundaries	
4(a)	Construction Boundary: Must match the land use application
4(b)	Lot Boundaries: Single-family lots, municipal reserves, and future condo sites.
5.0 Protected Areas	
5(a)	Adjacent Properties: (e.g. rivers, residential, commercial area, ER/MR, and roadways).
5(b)	Critical Areas: Areas that are environmentally sensitive such as environmental reserves, water bodies, hard to rehabilitate lands (golf course) and natural areas
5(c)	Low Impact Developments: These are LID's to be developed on the site as well as those nearby. Ensure LID installation and protection complies with the <i>Specification</i> Section 100.15
5(d)	Storm Infrastructure: Include the location of existing and proposed permanent storm drain inlets, pipes, outlets, drainage swales, and other permanent facilities onsite and for the surrounding area that are present at the stage of time the drawing represents
6.0 Water Movement	
6(a)	Contours: Include contours at 0.5m
6(b)	LS Values: Using an arrows, (25m@6% = LS 0.72)
6(c)	Drainage Patterns: run-on – run-off –emergency overland flow routes – approving neighbors
6(d)	Drainage Divides: Show the drainage divides to define drainage areas and indicate the drainage area sizes in ha.
6(e)	Water Retention Plans (ESC2 or ESC6 for sites greater than 2ha): A Water Retention Plan is required for all sites greater than 2 hectares. While sites 2ha or less can have a Water Retention Plan it is not a requirement.
7.0 Cover, Controls, and Practices	
7(a)	Cover: Indicate what cover is present on each of the drawings (e.g. asphalt, mulch/tackifier, gravel, grass)
7(b)	Vegetated Areas: Delineate all vegetated areas.
7(c)	Perimeter Controls: Indicate what perimeters controls will be installed to project offsite property
7(d)	Infrastructure Controls: Indicate controls that will be installed to protect the stormwater system.
7(e)	Erosion and Sediment Controls: Show the locations, types, dimensions and details for all erosion and sediment controls present (e.g. for sediment containment systems include the length, width and depth, and stabilized overflow location; for storage ditches show the locations of cross check structures; for silt fence show the locations where J-hooks will be installed)
8.0 Additional Plans	
8(a)	Cut and Fill: No cut and fill plan is required if no cuts or fills on the site exceed 2m.
8(b)	Water Management Plans: While ESC2 and ESC6 are water management plans that show the stage of construction when water will be maintained on site, a designer may create an additional water management plan for any stage of construction
8(c)	Landscaping Plan: Landscaping plan that includes details on seed, sod, plants, and garden areas. Landscaping plans are not required for stripping and grading applications.
8(d)	Phasing: Provide a copy of the phasing plan if the area is to be constructed in phases.