

## Construction Plan Elements Checklist

This checklist reflects most, but not necessarily all of the items that will be reviewed by Development Review. It is intended to be used as an aid by us to provide a consistent review of development work in Thurston County. All items may not be applicable in the review of each project and all items of concern to this office may not be covered on this checklist.

Y	N	Item
		Are 22"X34" plan set, 11"X17" plan set, PDF, and AutoCAD drawing files included?
		Do plans comply with Thurston County Road and CAD standards?
		Does the plan set include the following?
		Vicinity Map (see Vol. I, 3.8.3.3.1)
		Site Map including the following (see Vol. I, 3.8.3.3.2):
		<ul style="list-style-type: none"> <li>• Existing topography including at least 50' beyond the site boundaries</li> </ul>
		<ul style="list-style-type: none"> <li>• Finished grades</li> </ul>
		<ul style="list-style-type: none"> <li>• Existing structures within 100' of the project boundaries</li> </ul>
		<ul style="list-style-type: none"> <li>• Utilities</li> </ul>
		<ul style="list-style-type: none"> <li>• Easements – both existing and proposed</li> </ul>
		<ul style="list-style-type: none"> <li>• Environmentally sensitive areas (e.g., gullies, ravines, swales, wetlands, steep slopes, estuaries, springs, wetlands, creeks, lakes, etc.)</li> </ul>
		<ul style="list-style-type: none"> <li>• Natural drainage features including the direction of flow</li> </ul>
		<ul style="list-style-type: none"> <li>• 100-year flood plain boundary</li> </ul>
		<ul style="list-style-type: none"> <li>• Existing and proposed wells on site and on adjacent properties</li> </ul>
		<ul style="list-style-type: none"> <li>• Existing and proposed fuel tanks</li> </ul>
		<ul style="list-style-type: none"> <li>• Existing and proposed on site sanitary systems with setbacks</li> </ul>
		<ul style="list-style-type: none"> <li>• Proposed structures including roads and parking surfaces</li> </ul>
		<ul style="list-style-type: none"> <li>• Lot dimensions and areas (pervious, hard, new impervious, replaced, etc.)</li> </ul>
		<ul style="list-style-type: none"> <li>• Proposed drainage facilities with sufficient cross sections and details to build</li> </ul>
		<ul style="list-style-type: none"> <li>• Standard stormwater notes</li> </ul>
		Permanent Stormwater Control Plans including the following:
		<ul style="list-style-type: none"> <li>• Schedule of catch basins including:                             <ul style="list-style-type: none"> <li>○ Catch basin/manhole identifier</li> <li>○ Street name</li> <li>○ Cross street</li> <li>○ Stationing</li> <li>○ Street side</li> <li>○ Catch basin diameter or size</li> <li>○ Invert in/out</li> <li>○ Pipe diameter in/out</li> <li>○ Cover/rim elevation</li> <li>○ Cover type (e.g., solid, directional, veined).</li> </ul> </li> </ul>
		<ul style="list-style-type: none"> <li>• Detention/Infiltration/Wet Ponds including                             <ul style="list-style-type: none"> <li>○ Catch points for cuts and fills</li> <li>○ Max design water level</li> <li>○ Water quality level</li> </ul> </li> </ul>

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Y	N	Item
		○ Overflow level
		○ Clear path of overflow to downstream collection point
		○ Outfalls and energy dissipation at outfalls
		○ Inlet and outlet pipe invert elevations, slopes, and pipe lengths
		• Drainage Details and Notes
		○ Details of all BMPs, including plan and profile, materials used, and depths, i.e., soils, liners, pipes
		○ Construction notes and specifications for all BMPs
		○ Cross-sections (ponds, swales, roadways, etc.)
		○ A map showing the location of newly planted and retained trees claimed for flow reduction credits
		○ Table showing which Core Requirements the BMP is designed for (CR's #5, #6, and/or #7)
		Other Required Plans/Drawings
		• Soil Management Plan
		• Landscape Plan
		• Road profiles & roadway sections
		• Utility plans (sewer, water, septic).
		Work Map (or maps) including the following:
		• On a topographic map at the same scale and contour interval as the site map, show:
		○ Unit areas contributing to a reach of swale or to a catch basin including off-site area.
		○ Areas contributing to retention/detention facilities
		○ For unit areas show on the work map (or on a schedule) the area, percent impervious, average slope, and estimated ultimate infiltration rate.
		○ Conveyance data, identifier (for reference to model output), length, slope, inverts up and down
		○ Overland flow paths and distances
		○ Soil types
		○ Locations of soil pits and infiltration tests
		○ Spot water surface elevations discharges and velocities for the Design Event
		SWPPP drawing including the following:
		○ Construction entrance detail
		○ Silt fences and sediment traps
		○ Mulching and vegetation plan
		○ Clearing and grubbing limits
		○ Existing and finished grade
		○ Standard erosion control plan notes. Example notes are found in the individual BMP design guidelines in Volume II.
		Standard Plans
		Specifications (both standard and special provisions)