



TOWN OF WOODWAY

23920 113th Place W. · Woodway, WA 98020
206.542.4443 · 206.546.9453 fax
<http://www.townofwoodway.com/permits/development.htm>

STORM DRAINAGE INSPECTION CHECKLIST

- Review storm plans. Note pipe material indicated (no Lined Corrugated Polyethylene Pipe allowed in Right of Way). Check structure designations (Type 1 or 2); maximum rim to invert for Type 1 CB is 5 ft. Pipe diameters larger than 12 inches usually require a Type 1L or Type 2 CB.
- Review R/D system (if any) detail sheet. Note type of system (pond – storage or infiltration, vault, tank). Note structure designated for control manhole – 48 inch Type 2 is too small for required clearances.
- Measure restrictor tee prior to installation (Inspector to be notified when restrictor is onsite). Critical measurements are the orifice diameters and the invert to overflow relationships. Do calculations on detail sheet, initial, and date when measurements are taken.
- Inspector notification required a minimum 48 hours in advance of storm drainage installation.
- Inspect trenching and placement operations prior to backfilling to assure the following requirements are met:
 1. Unsuitable trench sub grade removed and backfilled with Foundation Material Class I or II per Standard _____.
 2. Pipe is properly bedded with 5/8" minus crushed rock (no pea gravel), 6" below and above the pipe.
 3. Pipe is laid true to line and grade with bell end (if applicable) upstream.
 4. Pipe is protected w/2 ft. minimum cover prior to heavy compaction.
- Inspect pipe connections to structures. Manhole and catch basin adapters shall comply with Standard _____. All pipe material not requiring adapters shall be mudded directly into the structure using a smooth 45-degree bevel from the pipe to the structure (inside and out).
- Each run of newly installed pipe shall have passing backfill compaction tests per Kent Construction Standard 4.7.6. Passing densities under ASTM D 1557 shall be 95% in paved areas and 90% in unpaved areas. Copies of compaction reports shall be provided to the inspector for their records. Maximum spacing between tests is 150 ft. unless otherwise directed by engineer.
- Inspect Type 2 structures for proper access, proper step installation and spacing; hanging ladders firmly secured to structure wall.
- All new catch basins that receive storm water shall have the pavement adjacent to them labeled with the thermoplastic appliqué "No Dumping! Drains to Stream" per Standard _____.
- R/D and water quality facilities have several elements requiring inspection. There may be a separate landscaping plan required for the facility. Wetland mitigations require special plans also. If there are any doubts, check with the Environmental Engineering Section.
- Check for proper access and access restrictions. Access roads constructed to grades and surfacing specifications in approved plans, or as otherwise directed by engineer. Bollards installed properly; access gates to fenced facilities operate properly.
- Check operation of and final installations for control manhole. Shear gate handle hangs on top step (open and close to check operation). Restrictor tee secured to structure wall with one strap minimum. Restrictor elbows securely attached. Hanging ladders firmly secured to structure wall.
- Check biofiltration swale for vegetation establishment (grass seed mixes are in Development Assistance Brochure); profile grade should provide uniform flow without excessive ponding. Sod should only be used when weather conditions are too extreme for natural establishment.