

## General Stormwater Construction Notes

- 1) Upon completion of the construction the contractor shall hydro-clean the entire storm drain system and structures; video inspect all of the storm sewer conveyance and detention pipes which are 8-inches and greater in diameter; submit a copy of the report and video to the District for review and approval.
- 2) All storm sewer pipes shall have a rubber gasket. All storm pipe and related connections to catch basins, manholes, and other related structures shall be water tight.
- 3) All materials, installation, tests and inspections shall be made in strict accordance with the District and local road authority Rules, Regulations and Standards.
- 4) All standard storm structures shall be constructed according to the District Standard Details. The District standard details will be strictly adhered to whether there are included in the approved plan set or not. Storm structures within the Right-of-Way shall be constructed per the District Standards; unless authorized in writing by the local road authority.
- 5) All storm drain pipe and culverts shall have a minimum design service life of 75 years as per Oregon Department of Transportation Standards.
- 6) Each storm system lateral shall be plugged with a rubber ring plug. A 2X4 marker painted white (to distinguish it from the sanitary lateral - green) shall be placed at the end of the pipe protruding at least 1 foot above the ground. A detectable white magnetic tape with the word "STORM" at regular intervals shall be buried 1-foot above the pipe along the service lateral from the mainline tee to the 2x4 white marker.
- 7) If during the course of installing underground utilities drain tiles are encountered, the contractor shall notify the design engineer to determine how the tiles shall be routed to bypass the onsite detention system. The engineer shall make a recommendation to the District in writing or modified plan submittal.
- 8) The engineer, contractor or designated inspector shall keep notes and records of all construction in regards to the approved plans. Approved plans shall be maintained "record drawings" during the construction period. Record drawings shall be submitted to the engineer at the end of the project.
- 9) The contractor shall at all times provide and maintain ample means and devices to remove and dispose of all water entering the trench excavation during the process of laying the pipe. Water and debris shall not enter the district's sanitary system. Water and debris shall be disposed of in an approved manner.
- 10) In unsecured areas all manholes shall have tamper-proof lids per the District specifications. In vegetated areas the rim shall be six inches (6") above finish grade; unless authorized by the District.
- 11) The location and elevation of an approved benchmark shall be shown on the plans, or if not within the proposed area of work, shall be referenced by number and location. Elevations shall be based on the NGVD88 datum.