

The following general notes are to be provided on all civil plans submitted for review which add, repair, or modify storm drainage systems.

Updated: June 2011

STORM DRAINAGE NOTES

1. See GENERAL PLAN NOTES for additional requirements.
2. All required storm water retention/detention facilities shall be constructed and operable prior to paving and building construction unless otherwise approved by Lynnwood Department of Public Works.
3. All pipes within the public right-of-way shall meet current WSDOT/APWA standards and specifications and/or as approved by the Director of Public Works and shall be installed per WSDOT section 7-08.
4. Backfill shall be placed equally on both sides of the pipe or pipe-arch in layers with a loose average depth of 6 inches, compacted to a density of 95%. Refer to WSDOT Std. Spec. 7-08.3(3) and Std. Spec. 2-03.3(14)C, Method B & C.
5. Where shown on the plans or where directed by the Engineer or Director of Public Works, the existing manholes, catch basins, or inlets shall be adjusted to the grade as staked. All pipe and structures shall be staked for survey line and grade prior to the start of construction. All conflicts shall be brought to the attention of the Engineer and Director of Public Works prior to commencing construction.
6. All storm catch basins with a depth over 5 feet to flow line shall be Type 2 structures per current WSDOT/APWA standards. All Type 1 and 2 structures shall be provided with locking bolts. Ladder access is required on all Type 2 structures when 4 feet or greater in depth as measured to the inside finish floor or as approved by the Director of Public Works.
7. Developer to provide a certified electronic video record of storm drainage construction after final cleaning. Final cleaning as required Per WSDOT Spec7-04.3(1) and as directed by the City of Lynnwood Public Works Inspector.
8. Drainage outlets (stub-outs) shall be provided for each individual lot, unless otherwise approved by the City of Lynnwood. Stub-outs shall conform to the following:
 - a) Each outlet shall be suitably located at the lowest elevation on the lot, so as to service all future roof downspouts and footing drains, driveways, yard drains, and any other surface or subsurface drains necessary to render the lots suitable for their intended use.
 - b) Each outlet shall have free flowing, positive drainage to an approved storm water conveyance system or an approved outfall location.
 - c) Outlets on each lot shall be located with a pressure treated 2"x4". Each marker board shall be clearly identifiable, protected and stubbed 5 feet above the finish grade.
 - d) All pipe material shall conform to the approved plans and/or current WSDOT/APWA

standards and specifications. All Substitutions are subject to approval by the Engineer and City of Lynnwood Director of Public Works prior to construction.

- e) 12 to 14 gauge tracer wire or locating tape shall be installed as required by the City of Lynnwood Public Works Inspector.
- f) Drainage easements are required for drainage systems designed to convey flows through individual lots. Verification and approval is required prior to construction.
- g) The applicant/contractor is responsible for coordinating the locations of all stub-out conveyance lines with respect to the utilities (e.g. power, gas, telephone, television).
- h) All individual stub-outs shall be privately owned and maintained by the lot home owner, shall be a minimum of 4 inch diameter, and shall be provided with backflow protection as required.