

CITY OF COVINGTON STANDARD PLAN NOTES

Last Update 11/07

The following Standard Plan Notes were derived from the standard notes published in the King County Surface Water Design Manual. Standard Plan Notes must be included in all plan sets. At the applicant's discretion, notes which in no way apply to the project may be omitted; however, the remaining notes must not be renumbered. For example, if General Note #3 were omitted, the remaining notes should be numbered 1, 2, 4, 5, etc.

GENERAL NOTES:

1. All construction shall be in accordance with the City of Covington Municipal Code (CMC), the City of Covington Design and Construction Standards and Specifications 2007 (Covington Design Standards), the King County Surface Water Design Manual 1998 (KCSWDM) and the conditions of preliminary subdivision approval. It shall be the sole responsibility of the applicant and the professional civil engineer to correct any error, omission, or variation from the above requirements found in these plans. All corrections shall be at no additional cost or liability to the City of Covington.
2. The design elements within these plans have been reviewed according to the Covington Design Standards. Some elements may have been overlooked or missed by the City of Covington Development Review Engineer. Any variance from adopted standards is not allowed unless specifically approved by the City of Covington prior to construction.
3. Approval of these road, grading, and drainage plans does not constitute an approval of any other construction (e.g., domestic water conveyance, sewer conveyance, gas, electrical, etc.).
4. Before any construction or development activity, a preconstruction meeting must be held between the City of Covington Community Development Department, the Applicant, and the Applicant's Construction Representative.
5. Proof of liability insurance shall be submitted to the City of Covington prior to the preconstruction meeting.
6. A copy of these approved plans must be on the job site whenever construction is in progress.
7. Construction noise shall be limited to 7 a.m. to 8 p.m. weekdays and 9 a.m. to 6 p.m. on Saturdays, Sundays and holidays, in accordance with CMC Section 8.20.20.
8. It shall be the Applicant's/Contractor's responsibility to obtain all right-of-way permits and construction easements necessary before initiating off-site work within a City of Covington road right-of-way.
9. Franchised utilities or other installations that are not shown on these approved plans shall not be constructed unless an approved set of plans is submitted to and approved by the City of Covington prior to construction.
10. Datum shall be NAVD 1988 unless otherwise approved by the City of Covington.
11. Groundwater system construction shall be within a right-of-way or appropriate drainage easement, but not underneath the roadway section. All groundwater systems must be constructed in accordance with Section B1 3.02 of the APWA Standard Specifications.
12. All utility trenches shall be backfilled and compacted in accordance with the City of Covington Standard Details 803 or 804.
13. All roadway subgrade shall be backfilled, compacted to 95% maximum density and prepared for surfacing in accordance with WSDOT 2-06.3.
14. Open cutting of existing roadways is not allowed unless specifically approved by the City of Covington and noted on these approved plans. Any open cut shall be restored in accordance with the City of Covington Standard Detail 802.

15. The Contractor shall be responsible for providing adequate safeguards, safety devices, protective equipment, flaggers, and any other needed actions to protect the life, health, and safety of the public, and to protect property in connection with the performance of work covered by the contractor. Any work within the traveled right-of-way that may interrupt normal traffic flow shall require at least one flagger for each lane of traffic affected. Section 1-07.23, "Traffic Control," of the WSDOT Standard Specifications shall apply in its entirety. Traffic control plans shall follow the City of Covington Standard Details 901 through 913, as applicable.
16. To protect significant trees from the impacts of the proposed development, the Applicant shall provide the best protection for significant trees per the regulations in CMC 18.45.100. At a minimum, any significant trees to be retained shall be fenced two feet outward from the identified drip line. Trees that sustain damage during the course of construction shall be replaced pursuant to CMC 18.45.100. A representative of the City of Covington shall verify protective fencing placement per this condition prior to issuance of a notice to proceed for grading and clearing. The City shall inspect for compliance with the tree plan prior to a final inspection. The inspection shall also evaluate the condition of retained trees and any and all corrections will be required to be completed prior to a final inspection and release of any post financial guarantees for the site.

DRAINAGE NOTES:

1. All storm pipe and appurtenances shall be laid in accordance with WSDOT 7-08. This shall include leveling and compacting the trench bottom, the top of the foundation material and any required bedding to a uniform grade so that the entire drainage facility is supported by a uniformly dense unyielding base.
2. All storm pipe shall be subject to a low pressure air test in accordance with WSDOT 7-04.3(1)F and a video inspection in accordance with Section 7.03M of the Covington Design Standards.
3. Storm pipe cover, measured from the finished grade elevation to the top of the outside surface of the pipe, shall be 2 feet minimum (3 feet for PVC), unless authorized by the City of Covington under the following circumstances:
 - a) Under drainage easements, driveways, parking stalls or other areas subject to light vehicular loading, the pipe cover may be reduced to 1 foot minimum if the cover is consistent with the manufacturer's recommendations.
 - b) In areas not subject to vehicular loads, such as landscape planters and yards, the pipe cover may be reduced to 1 foot minimum.
 - c) If ductile iron pipe is used, the pipe cover may be reduced to 1 foot minimum.
4. Steel pipe shall be galvanized and have asphalt treatment #1 or better inside and out (WSDOT 9-05.4(3)).
5. Any drainage structure, such as a catch basin or a manhole, not receiving surface runoff and not located within a traveled roadway or sidewalk shall have a solid locking lid, in accordance with the City of Covington Standard Detail 725. Any drainage structure associated with a permanent retention/detention facility, not receiving surface runoff, shall have a solid locking lid.
6. All catch basin grates shall conform to the City of Covington Standard Detail 726 (Vaned Grate) when located within the right-of-way, and shall include an open curb face frame, in accordance with Detail 727, when located in a sump condition. A herringbone grate may be used outside the right-of-way. All catch basins within the gutter line shall be installed in accordance with Standard Details 722 and 723, as applicable, and shall include the stamping "OUTFALL TO STREAM, DUMP NO POLLUTANTS".
7. All driveway culverts located within the City of Covington right-of-way shall be of sufficient length to provide a minimum 3:1 slope from the edge of the driveway to the bottom of the ditch. Culverts shall have beveled end sections to match the side slope.
8. Rock for erosion protection of ditches, where required, must be of sound quarry rock, placed to a depth of one foot (1'), and must meet the following specifications: 100% must pass the 8" sieve, 40% maximum can pass the 3" sieve and 10% maximum can pass the 3/4" sieve. Installation shall be in accordance with KCRS 7.02(B), Drawing No. 2-024.

9. Drainage outlets (stub-outs) shall be provided for each individual lot, except for those lots approved for infiltration by the City of Covington. 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. Each outlet shall have free-flowing, positive drainage to an approved stormwater conveyance system or to an approved outfall location.
 - b) Outlets on each lot shall be located with a five-foot-high, 2" x 4" stake marked "storm" or "drain". The stub-out shall extend above surface level, be visible, and be secured to the stake.
 - c) Pipe material shall conform to Section 4.2.1.1 of the KCSWDM. If non-metallic, the pipe shall contain a wire or use other acceptable means of detection.
 - d) Drainage easements are required for drainage systems designed to convey flows through individual lots.
 - e) The Applicant/Contractor is responsible for coordinating the locations of all stub-out conveyance lines with respect to utilities (e.g., power, gas, telephone, television, etc.).
 - f) All individual stub-outs shall be privately owned and maintained by the lot homeowner.

EROSION AND SEDIMENT CONTROL NOTES:

1. Approval of these erosion and sediment control (ESC) plans does not constitute an approval of permanent road or drainage design (e.g., size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).
2. The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the applicant/ESC supervisor until all construction is approved.
3. The boundaries of the clearing limits shown on these plans shall be clearly flagged by a continuous length of survey tape (or fencing, if required) prior to construction. During the construction period, no disturbance beyond the clearing limits shall be permitted. The clearing limits shall be maintained by the applicant/ESC supervisor for the duration of construction.
4. The ESC facilities shown on these plans must be constructed prior to or in conjunction with all clearing and grading so as to ensure that the transport of sediment to surface waters, drainage systems, and adjacent properties is minimized.
5. The ESC facilities shown on these plans are the minimum requirements for anticipated site conditions. During the construction period, these ESC facilities shall be upgraded as needed for unexpected storm events and modified to account for changing site conditions (e.g., additional sump pumps, relocation of ditches and silt fences, etc.).
6. The ESC facilities shall be inspected daily by the applicant/ESC supervisor and maintained to ensure continued proper functioning. Written records shall be kept of weekly reviews of the ESC facilities during the wet season (Oct. 1 to April 30) and of monthly reviews during the dry season (May 1 to Sept. 30).
7. Any areas of exposed soils, including roadway embankments, that will not be disturbed for two days during the wet season or seven days during the dry season shall be immediately stabilized with the approved ESC methods (e.g., seeding, mulching, plastic covering, etc.).
8. Any area needing ESC measures not requiring immediate attention shall be addressed within fifteen (15) days.
9. The ESC facilities on inactive sites shall be inspected and maintained a minimum of once a month or within forty-eight (48) hours following a storm event.

10. At no time shall more than one (1) foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment-laden water into the downstream system.
11. Stabilized construction entrances (Standard Detail 705) shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures, such as wash pads, may be required to ensure that all paved areas are kept clean for the duration of the project.
12. Any permanent flow control facility used as a temporary settling basin shall be modified with the necessary erosion control measures and shall provide adequate storage capacity. If the facility is to function ultimately as an infiltration system, the temporary facility must be graded so that the bottom and sides are at least three (3) feet above the final grade of the permanent facility.
13. Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of 2 to 3 inches.
14. Prior to the beginning of the wet season (Oct. 1), all disturbed areas shall be reviewed to identify which ones can be seeded in preparation for the winter rains. Disturbed areas shall be seeded within one week of the beginning of the wet season. A sketch map of those areas to be seeded and those areas to remain uncovered shall be submitted to the City of Covington inspector. The inspector can require seeding of additional areas in order to protect surface waters, adjacent properties, or drainage facilities.

STRUCTURAL NOTES:

1. These plans are approved for standard road and drainage improvements only. Plans for structures such as bridges, vaults, and retaining walls require a separate review, approval and building permit by the City of Covington prior to construction.
2. Rockeries are considered to be a method of bank stabilization and erosion control. Rockeries shall not be constructed to serve as retaining walls. All rockeries shall be constructed in accordance with the City of Covington Standard Detail 516 and the rock wall construction guidelines published by the Associated Rockery Contractors.

RECOMMENDED CONSTRUCTION SEQUENCE:

1. Pre-construction meeting.
2. Flag or fence clearing limits and significant trees.
3. Post Notice of Construction Activity sign with name and phone number of ESC supervisor.
4. Install catch basin protection, if required.
5. Grade and install construction entrance(s).
6. Install perimeter protection (silt fence, brush barrier, etc.).
7. Construct sediment ponds and traps.
8. Grade and stabilize construction roads.
9. Construct surface water controls (interceptor dikes, pipe slope drains, etc.) simultaneously with clearing and grading for project development.
10. Maintain erosion control measures in accordance with the City of Covington standards and manufacturer's recommendations.
11. Relocate surface water controls and erosion control measures or install new measures so that as site conditions change the erosion and sediment control is always in accordance with the City of Covington Erosion and Sediment Control Standards.
12. Cover all areas that will be unworked for more than seven days during the dry season or two days during the wet season with straw, wood fiber mulch, compost, plastic sheeting or equivalent.
13. Stabilize all areas that reach final grade within seven days.
14. Seed or sod any areas to remain unworked for more than 30 days.
15. Upon completion of the project, all disturbed areas must be stabilized and best management practices removed if appropriate.