

# CITY OF SEATAC UTILITY STANDARD PLAN NOTES

Rev. 7/14/2020

Standard plan notes must be included on all plans. This version of the Standard Plan Notes applies only to permits for Utility work; for all other uses, please see the General Standard Plan Notes. At the applicant's discretion, notes which in no way apply to the project may be crossed out and noted as non-applicable with an explanation. For example, if General Note #14 was not applicable, it would be crossed out with a note added such as "No ROW work associated with this project". Standard Plan notes **should not** be modified. If a note does not fully apply to a project, cross the non-applicable sections out and include a separate note meeting the intent of the note being replaced, or an explanation for why the crossed out section should not apply.

## GENERAL NOTES

1. All construction shall be in accordance with the City of SeaTac Municipal Code (SMC), the 2016 King County Road Standards (KCRS) as amended by the City of SeaTac Addendum to Road Standards, the latest version of the King County Surface Water Design Manual (KCSWDM) as amended by the City of SeaTac Addendum to the KCSWDM, and the latest version of the Washington State Department Of Transportation (WSDOT) Standard Specifications for Roads, Bridges, and Municipal Construction, and all conditions of the permits. 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 City of SeaTac.
2. The design elements within these plans have been reviewed according to the City of SeaTac Engineering Review Division checklist. Some elements may have been overlooked or missed by the Engineering Review Division plan reviewer. Any variance from the City of SeaTac's adopted standards is not allowed unless specifically approved by the Engineering Review Division manager prior to construction.
3. Approval of the work described as part of this permit and shown in the plans does not constitute an approval of any other construction (domestic water conveyance, sewer conveyance, gas, electrical, etc.) shown for reference. All work shown on these plans need to be permitted by the City of SeaTac Engineering Review Division prior to the start of construction. More than one permit may be necessary for the work shown.
4. A preconstruction meeting must be held between the City of SeaTac Engineering Review Division, the applicant, the applicant's construction representative or the developer completing the work, and representatives from any other utilities being constructed or affected by these plans on-site or at city hall no later than 48 hours prior to start of on-site construction. Call the City of SeaTac Engineering Review Division admin number at 206.973.4764 to arrange a time for our representative to meet with the contractor, sub-contractors, and utility representatives. All contractors and sub-contractors will need to show proof of State L & I contractors' registration and city business license at the pre-construction meeting.
5. A copy of the latest approved plans, permits, and all associated documents must be on the job site at all times during construction.

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6. Construction noise shall be limited in accordance with SeaTac Municipal Code section 8.05.360. Normal working hours are from 7:00 a.m. to 4:00 p.m. Monday through Friday. On the following major arterials, however, hours of operation shall be limited from 8:30 a.m. to 3:00 p.m.: International Boulevard, Military Road South, Des Moines Memorial Drive South, 24th Avenue South, 28th Avenue South, S. 154th Street, S. 160th Street, S. 170th Street, S. 176th Street, S. 188th Street, and S. 200th Street. Additional restrictions may apply based on SEPA conditions or specific site characteristics. Work outside the normal working hours, or on Saturdays (9:00 a.m. to 10:00 p.m.), Sundays (9:00 to 6:00 p.m.), and holidays, will require prior written approval from the Engineering Review Division. Requests for such after-hours, weekend, or holiday must be submitted to the Engineering Review Division 72 hours in advance of such work and must be approved in writing. City staff time for after-hours, Saturday, Sunday, and holiday work will be billed at the rate of one and one half times the standard hourly rate.
7. It shall be the applicant's/contractor's responsibility to obtain any and all construction easements necessary before initiating offsite work not within the road right-of-way. All easements require review and approval prior to construction.
8. The standard coordinate system to be used for projects in SeaTac, unless otherwise approved by City of SeaTac Engineering Review Division, is:  
NAD\_1983\_HARN\_StatePlane\_Washington\_North\_FIPS\_4601\_Feet, WKID: 2926 Authority: EPSG, Washington State Plane Coordinates (North Zone), North American Datum of 1983 (1991) HARN, Spheroid GRS 1980, Vertical datum NAVD88, Linear units in U.S. Survey Feet\* FIPS 4601 (\*1 foot equals 0.3048006096 meters).
9. Groundwater encountered during excavation shall be disposed of per section 7-08 of the WSDOT standard specifications.
10. All utility trenches shall be backfilled and compacted to 95 percent density or to the guidelines of the utility, whichever is stricter. Reduced compaction requirements are allowed for utility trenches crossing bioretention or permeable pavement installations. No wire may be pulled until all Right-of-Way restoration is complete. Trenching in the roadway must be covered with steel plates and the lanes reopened when there is no active construction activity, and construction sequencing should be such that no trench is opened for more than 72 hours, and no more than 1000 LF of trench should be open at one time. Each side of the plate shall have a minimum of 12 inches bearing on the sides of a cut, and shall be anchored by steel pins shimmed to prevent movement, and oriented to be perpendicular to traffic. Plates shall be bedded on temporary pavement patch material and the bedding shall be tapered on all sides to provide smooth transition for all users. Plates shall be textured to provide a non-skid surface in dry and wet conditions. All plates shall be highlighted with paint, and advanced warning signs shall be used to identify the presence of the plate.
11. For all directional boring, contractor shall CCTV all crossing storm drains before and after boring operations, prior to paving, and ensure all crossing storm drains are in the same or better condition after the completion of boring.

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12. All roadway subgrade shall be backfilled and compacted to 95 percent density (WSDOT 2-06.3).
13. Open cutting of existing roadways is not allowed unless specifically approved in writing 48 hours in advance by the City of SeaTac Public Works Director or designee and noted on these approved plans.
14. 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 an approved traffic control plan.
15. Upon completion of the project, a set of CAD produced As-Built drawings that are coordinately correct using city's horizontal and vertical control is to be prepared by a professional licensed surveyor or engineer. As built drawings are to be reviewed and approved by the City of SeaTac. Once approved by the city, an electronic CAD file of the drawing shall be provided to the City of SeaTac for a permanent record.
16. No lane closures or work will be allowed on the roads listed in Note #17 during the period described below unless approved by the City of SeaTac Engineering Review Division:
  - From midnight 3 days prior to Thanksgiving to midnight Monday after Thanksgiving.
  - From midnight December 23<sup>rd</sup>, or the Friday prior, if it occurs on a Saturday or Sunday, to midnight January 2<sup>nd</sup>, or the Monday after, if it falls on a Friday, Saturday or Sunday.
17. Closure of a lane of traffic on the following arterials shall require the presence of an off-duty police officer with marked patrol vehicle as part of the traffic control plan: International Boulevard, Military Road South, Des Moines Memorial Drive South, 24<sup>th</sup> Avenue South, 28<sup>th</sup> Avenue South, S. 154<sup>th</sup> Street, S. 160<sup>th</sup> Street, S. 170<sup>th</sup> Street, S. 176<sup>th</sup> Street, S. 188<sup>th</sup> Street, S. 200<sup>th</sup> Street, or on any intersection.

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**If Drainage will be included in this work, please include the DRAINAGE NOTES from the Commercial Standard Plan Notes.**

**EROSION AND SEDIMENT CONTROL NOTES\***

1. If a stormwater erosion and sediment control/pollution prevention plan (ESC/SWPPP) was required for this project, the approved plan must be kept on the construction site at all times.
2. The implementation of any ESC plans and the construction, maintenance, replacement, and upgrading of ESC BMPS is the responsibility of the applicant/ESC supervisor until all construction is approved.
3. The boundaries of the clearing limits shown on this plan shall be clearly flagged by survey tape or fencing, if required, prior to construction (SWDM Appendix D as amended by the City of SeaTac Addendum to the KCSWDM). 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. BMPS, such as a stabilized construction entrance, constructed wheel wash systems or wash pads, may be required to ensure that all paved areas are kept clean and tracking out of the work zone does not occur for the duration of the project.
5. Pedestrian access routes are to be maintained at all times.
6. Protect all inlets, bio retention facilities, rain gardens, and permeable pavement from sedimentation through installation and maintenance of erosion and sediment control BMPS. Restore permanent BMPS to their fully functioning condition if they accumulate sediment during construction.
7. Prevent compaction of bio retention facilities and rain gardens by excluding construction equipment and foot traffic.
8. If ESC facilities are shown on these plans, those 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.
9. The ESC facilities shown on this plan, if required, 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 cover measures, additional sump pumps, relocation of ditches and silt fences, perimeter protection, etc.).
10. The ESC BMPS 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 BMPS.
11. 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 cover methods (e.g., seeding, mulching, plastic covering, etc.).

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12. Any area needing ESC measures not requiring immediate attention shall be addressed within seven (7) days. Dry season only.
13. The ESC facilities on inactive sites shall be inspected and maintained a minimum of once a month or within twenty-four (24) hours following a storm event.
14. 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.
15. 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 feet above the final grade of the permanent facility.
16. Cover measures will be applied in conformance with Appendix D of the surface water design manual.
17. Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of 2 to 3 inches.
18. For projects that disturb greater than 1 acre, or are a part of a larger common plan of development or sale that disturbs greater than 1 acre, the following applies:
  - a. The discharge monitoring log/reports must be kept onsite at all times.
  - b. Discharges from the construction site greater than 25 NTU (nephelometric turbidity units) must be treated prior to discharge and said treatment method must be approved and field verified by city inspection staff. [**Note:** treatment approval and verification does not release property owner/developer from the responsibility or liability of ensuring state water quality standards (wac-173-201a) are met for direct or indirect discharges to the receiving water(s)].
19. 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 be covered by other methods shall be submitted to the engineering review division. The city engineering inspector can require seeding of additional areas in order to protect surface waters, adjacent properties, or drainage facilities.
20. The construction project approved by this permit is subject to city building inspection under SeaTac Municipal Code Title 12 (Public Utilities Code) and Title 13 (Buildings and Construction Code) without prior notice.

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**RECOMMENDED CONSTRUCTION SEQUENCE**

1. Hold the erosion sedimentation control pre-construction meeting on site.
2. Conduct an initial erosion sedimentation control (IESC) site inspection.
3. Hold the pre-construction meeting at city.
4. Post a sign with name and phone number of the site's ESC supervisor.
5. Flag and/or fence the clearing/pavement removal limits as required by the approved plans, permit conditions; or SEPA conditions.
6. Inspection and sign-off of the clearing limits by an engineering inspector.
7. Install catch basin protection as required.
8. Grade and install construction entrance(s) as required.
9. Install perimeter protection (silt fence, brush barrier, etc.) as required.
10. Clearly mark locations of proposed bio retention facilities, rain gardens, and permeable pavement and install ESC BMPS to protect them from compaction and sedimentation.
11. Construct any required sediment ponds and traps.
12. Inspection of ESC measures by the engineering inspector prior to commencement of grading activity.
13. Grade and stabilize construction roads.
14. Demolition of existing structures and site features.
15. Construct surface water controls (interceptor dikes, pipe slope drains, etc.) Simultaneously with clearing and grading for project development.
16. Maintain erosion control measures in accordance with City of SeaTac standards and manufacturer's recommendations.
17. 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 SeaTac erosion and sediment control standards.
18. 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.
19. Stabilize all areas that reach final grade within seven days.
20. Upon completion of the project, all disturbed areas must be stabilized and best management practices removed as appropriate.
21. Prior to final inspection approval, conduct an infiltration test for any bio retention or permeable pavement installation to confirm that the permanent BMPS were not impacted by construction activities. If needed, restore or replace bio retention or permeable pavement BMPS, so that they are fully functioning upon completion of construction activities.