



## DETERMINATION OF NONSIGNIFICANCE (DNS)

**Name of Proposal:** 162<sup>nd</sup> Avenue SE at SE 166<sup>th</sup> Court Culvert Replacement (Project #1130707)

**Date of Issue:** March 24, 2020

**Description of Proposal:** The proposal is a joint project between King County Road Services Division and King County Water and Land Resources Division. The proposal is to replace a 167-foot-long pipe and catch basin system that controls flows from an upstream stormwater detention facility that carries Madsen Creek (Tributary 08.0305) under 162<sup>nd</sup> Avenue SE. This stormwater detention facility is an in-stream facility constructed circa 1977, known as Stormwater Facility D90119.

The purpose of the proposal is two-fold: (A) To protect roadway infrastructure and community safety: The road crossing pipe is deteriorated and, in its current condition, threatens the roadway and utilities in an urban residential neighborhood. Replacement is critical to prevent sinkholes and other failure of the roadway and associated detrimental impacts to the stream. (B) Provide fish passage upstream of 162<sup>nd</sup> Avenue SE: The existing pipe and catch basin system is a barrier to upstream fish migration because its outlet (downstream end) is perched and it is too long given its diameter. It is also a barrier due to high water velocity within the pipe, and the presence of a flow control structure at the inlet (upstream end). The need for removal of the barrier is documented in HPA 2014-4-464+01.

Specific components of the proposal include: (1) Replace the deteriorated corrugated metal pipe and catch basin system with a new 133-foot-long, 17-foot-wide, 10-foot-high precast concrete box culvert designed in accordance with state requirements (stream simulation fish passage standards). (2) Install a weir-like control structure with a built-in fishway passage orifice and a 10-foot-long roughened channel upstream of the new culvert to facilitate fish passage at low flows into the Stormwater Facility D90119. The fishway orifice is designed to the extent feasible to provide fish passage at low flows while maintaining a minimum level of flow control from the upstream in-stream stormwater detention facility. It is designed using the hydraulic design option guidance. (3) Install a stormwater detention vault under 162<sup>nd</sup> Avenue SE to compensate in part for anticipated lost storage in Stormwater Facility D90119 as a result of the proposed new culvert, and (4) Reconfigure the in-road stormwater drainage system within the project footprint.

Components (1) and (4) will be owned and maintained by King County Road Services Division. Components (2) and (3) will be owned and maintained by King County Water and Land Resources Division.

**Location of Proposal:** The proposal is located on 162<sup>nd</sup> Avenue SE, beginning approximately 100 feet southwesterly of SE 166<sup>th</sup> Place and extending northeasterly to the centerline of SE 166<sup>th</sup> Court.

The proposal is located primarily within the road right-of-way, but also extends upstream and downstream of the culvert crossing under 162<sup>nd</sup> Avenue SE within existing drainage and drainage protection easements. This location is within the Fairwood Park Division 15 neighborhood of unincorporated King County near the City of Renton. The site is located at latitude 47.453663, longitude -122.125857 in the northeast quarter of Section 26, Township 23N, Range 05E (Willamette meridian). The location can be found on page 657, grid B6 of the Thomas Brothers Guide.

**Schedule:** Construction is anticipated to begin in the summer of 2020 and be completed in the fall of 2020. 162<sup>nd</sup> Avenue SE at the project location will be closed for up to 60 working days, and a temporary detour will be in place. The project will be constructed by a Contractor.

**Proponent and Lead Agency:** King County Department of Local Services, Road Services Division

The lead agency for the proposal determined that it does not have a probable significant adverse impact on the environment. A State Environmental Policy Act (SEPA) environmental impact statement (EIS) is not required under Revised Code of Washington (RCW) 43.21C.030(2)(c). This decision was made after review of a completed SEPA environmental checklist (ECL) and other information on file with the lead agency. Copies of the ECL are available on the project website at: <https://kingcounty.gov/162AveSECulvert>.

This DNS is issued under Washington Administrative Code (WAC) 197-11-340(2); the lead agency will not act on this proposal for fourteen (14) days from the date of issue, per WAC 197-11-502(3)(b).

**Comments and Appeals:** Although there is no administrative appeal of this threshold DNS (King County Code 20.44.120), the county welcomes your comments. **Any comment regarding the DNS must be received by 4:30 p.m. on April 7, 2019.** Comments may be submitted by email (recommended), US mail, or telephone.

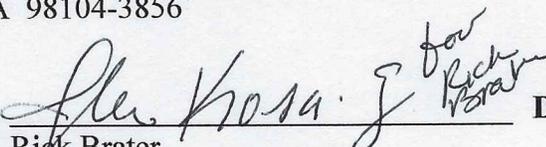
All comment received by this deadline will be reviewed by the lead agency. If you have any questions or concerns, or require additional information, please contact Broch Bender, Roads Communications Manager.

**Contact Person:** Broch Bender, Roads Communications Manager  
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Seattle, WA 98104-3856

**Signature:**

**SEPA Responsible Official:**

**Position/title:**

  
Rick Brater  
Road Services Division Director  
Department of Local Services

**Date:**

3/19/2020