

Bauman Residence
5928 77th Ave SE**Storm Drain Narrative**

The storm drain that crosses the Bauman property from east to west is entirely underground across the property. The storm drain is buried between 8-13 feet deep.

Excavating the drain and daylighting the stream is not feasible for this property. At a stable slope pitch of 1:4 the width of the excavation would be approximately 100' wide. Any excavation activity would impact several critical areas including the a Type F watercourse and a Category IV wetland. The excavation and resulting slope would also increase the amount of steep slope on the property which the Mercer Island GIS identifies as having landslide risk. The excavation would also place at risk 13 trees over 6" caliper – 3 of which appear to be graded exceptional. At the east end of the site the open watercourse enters the culvert approximately 11 feet before the property line. The excavation effort would leave this 11 foot section within a culvert as it is not on the Bauman's property.

For these reasons it is not feasible to excavate and daylight the storm drain within the Bauman Property.