

# underground

## LUNCH & LEARN

### NO TUNNEL IS THE SAME - UNCOVER THE CHALLENGES FROM SEATTLE TO CANADA

February 5th, 12-1PM  
BERTHOUD HALL 243

Rebecca Trunk Wastewater Main , Region of Halton, Oakville, ON.

The design of 13,500 feet of trenchless drives for a 48 inch sewer interceptor beneath environmentally sensitive waterways, and streets in the Town of Oakville. [Trenchless Technology Magazine New Installation Project of the Year 2017]

Tualatin Interceptor and Siphon Improvements, Portland, Oregon. The King City and the Cook Park Siphons, which both cross the Tualatin River, forms part of the Tualatin Interceptor Improvements (TISI) Project located in Portland, Oregon. The King City siphon includes a 471-foot long, 84-inch diameter tunnel comprising a 650-foot radius vertical “U” curve.

North Shore Wastewater Treatment Plant (NSWWTP) Conveyance project. MetroVancouver, Vancouver BC, Canada.

The North Shore Conveyance Project entails the connection of the existing sewers in the vicinity of the existing LGWWTP with the new NSWWTP. The microtunneled conveyance portions of the Project include 8 drives comprising over 1,800 meters of microtunneled line ranging in diameter from 1755mm to 3000mm and including two curved microtunnels.



**Ashley K Heckman**, PE, PG Regional Manager at Aldea Services, Inc., has a BS in Land Use - Geology (MSCD) and an MS in Mining and Earth Systems Engineering (CSM). Ms. Heckman is a Professional Geologist and a Professional Engineer with 18 years of experience in geological engineering and design and construction of underground structures.



**Paul Headland**, PE, PG Senior Vice President at Aldea Services, Inc., has a BS in Applied Geology and an MS in Engineering Geology. Mr. Headland is a Professional Engineer and a Professional Geologist with 25 years of experience in design and construction of underground structures including shafts, caverns, tunnels, and trenchless in a wide variety of ground conditions.

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**LUNCH WILL BE PROVIDED**

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