



Kalispel Tribe of Indians

www.kalispeltribe.com





2022 IACC Conference

Tell Hamilton

Executive Director of Planning & Public Works

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Partnerships

Petrichor Broadband

Help underserved communities study, fund, build, and manage open access broadband infrastructure.



Grant Information

Funding Agency - Public Works Board Broadband Program

Award Date - May 28, 2021

Award Amount - \$5,000,000

Match Amount - \$555,556

Notice of Award for Construction - July 1, 2021



Project Scope

Project Scope Statement: Construct a Fiber-to-the-Premise (FTTx) network to serve all businesses and residences on the Kalispel Reservation (approximately 119 locations) east of the Pend Oreille River in a “homerun” architecture. This construction includes approximately 14 miles of underground backbone construction, underground drops to each premise, customer premise equipment (CPE), headend equipment and connection to an existing private sector fiber backbone for purchase of transport services.





Project Outcomes

Before the project, most houses had Internet connectivity via DSL. This service provided approximately 3 to 5 megabit downstream bandwidth, and less than 1 megabit upstream.

A small number of houses utilized terrestrial wireless for their Internet connectivity, with similar bandwidth to the DSL connections. There were significant weather related issues with these connections.

There were a few houses that had no Internet connectivity at all.

The new, tribal provided Internet service provides Active Ethernet service to each house on the reservation and operates at full gigabit speeds. Additionally, this service includes local firewalling at each residence to help protect the homeowners systems from malicious attacks.



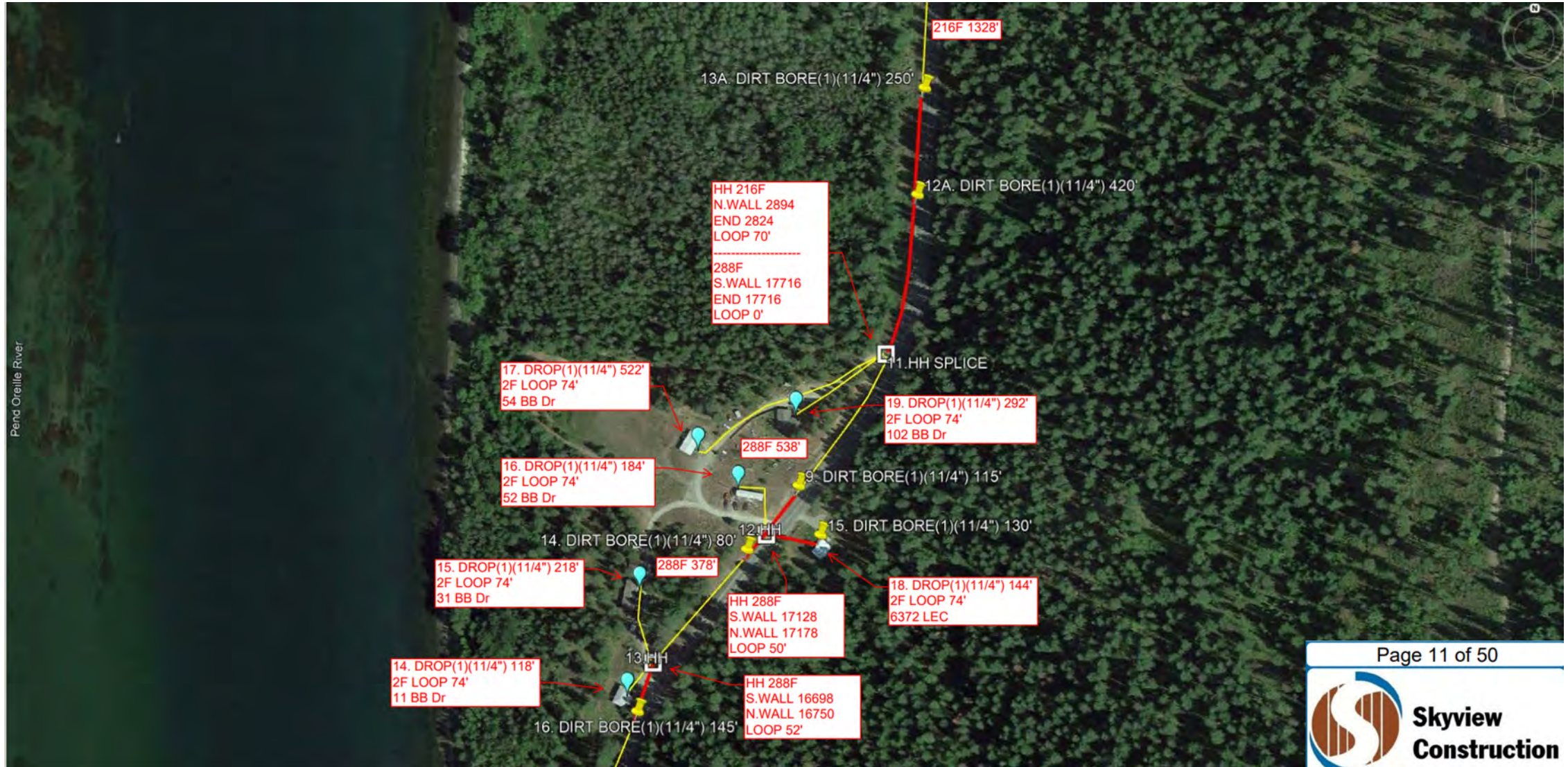
Project Photos



Project Maps



Project Map



Project Map

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Google Earth



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Thank You

