

South End Road Landslide Repairs



Stabilizing slope to prevent future slide activity
Canemah Neighborhood Association

April 15, 2021

Background



Damage from heavy rains in Spring 2017

- Temporary repairs in summer 2017
- Geotechnical exploration and landslide monitoring over the last couple of winters to identify solutions to stabilize slope



Project area



What we'll be doing

Improving safety

- Build two retaining walls to prevent future slide activity on the embankment along the north side of South End Road
- North project limits will extend to soil nail embankment stabilization project performed in 2007 (shown in photo).



Timeline



- Design: Spring 2019 - July 2021
 - 30%, 60%, 90% milestones
 - Work to minimize impacts to adjacent properties
- Right of way (ROW): February 2021 - August 2021
 - Process
 - ROW staff contact property owners with permanent and temporary construction easement impacts
 - Staff will follow the ROW acquisition process including sending General Information Notice (GIN) letters, independent appraisal of property acquisition and damages, negotiations, and payment for ROW and easement acquisitions
- Oregon City Land Use Process: April 2021 - August 2021
 - Type 2 and 3 Variance Application (Geotechnical Hazards Retaining Wall Ht.)
- Construction: April/May 2022 - December 2023

Community outreach



We will share information...

- Website
- Updates at neighborhood meetings
- Updates on social media
- Email interested parties
- Mail notices to area residents and stakeholders
- Individual contacts with property owners

We ask you to...

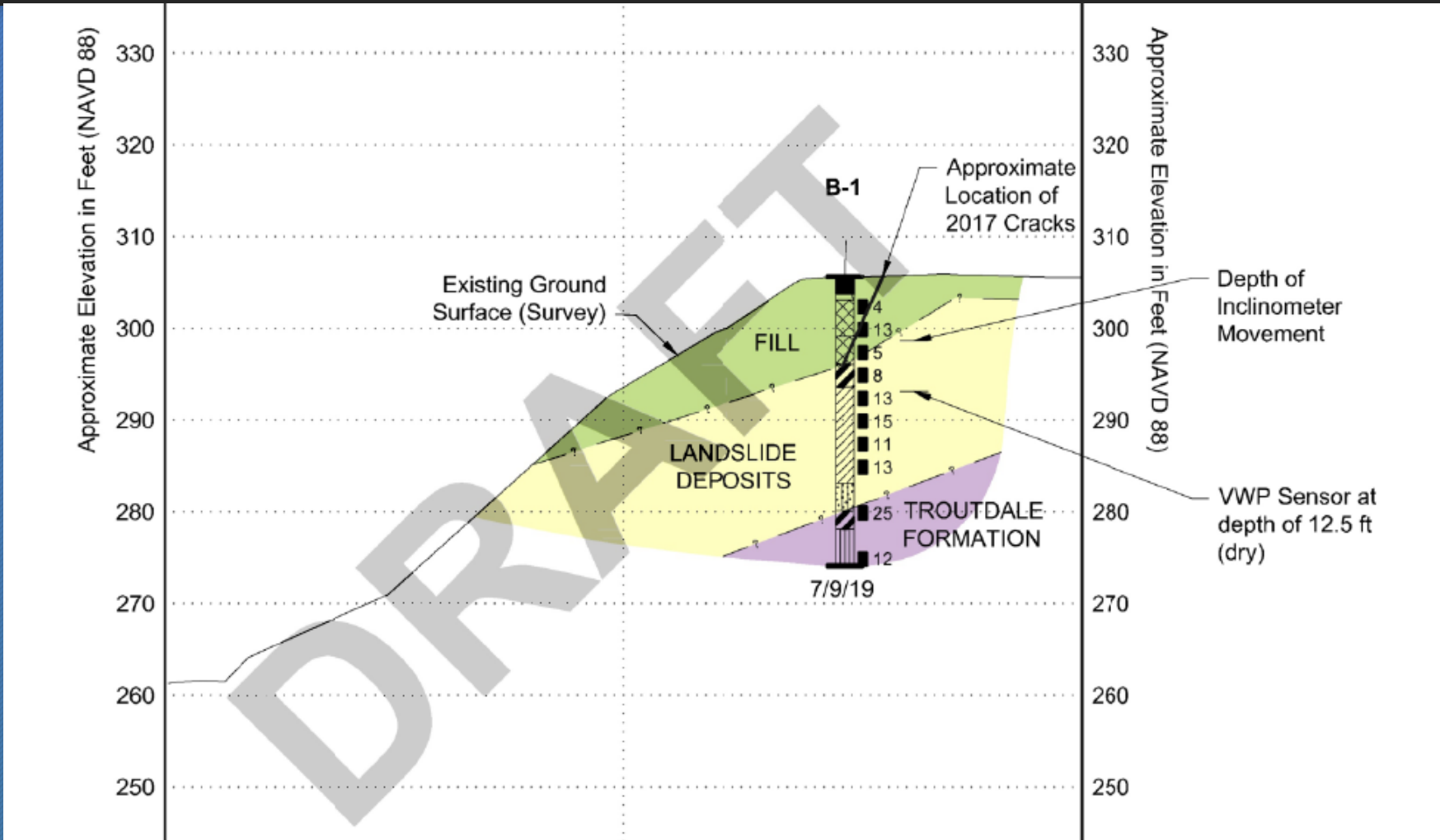
- Join the interested parties list
- Contact us with questions and concerns
- Spread the word to others
- Let us know what's working well and what isn't

Funding: \$4.6 million

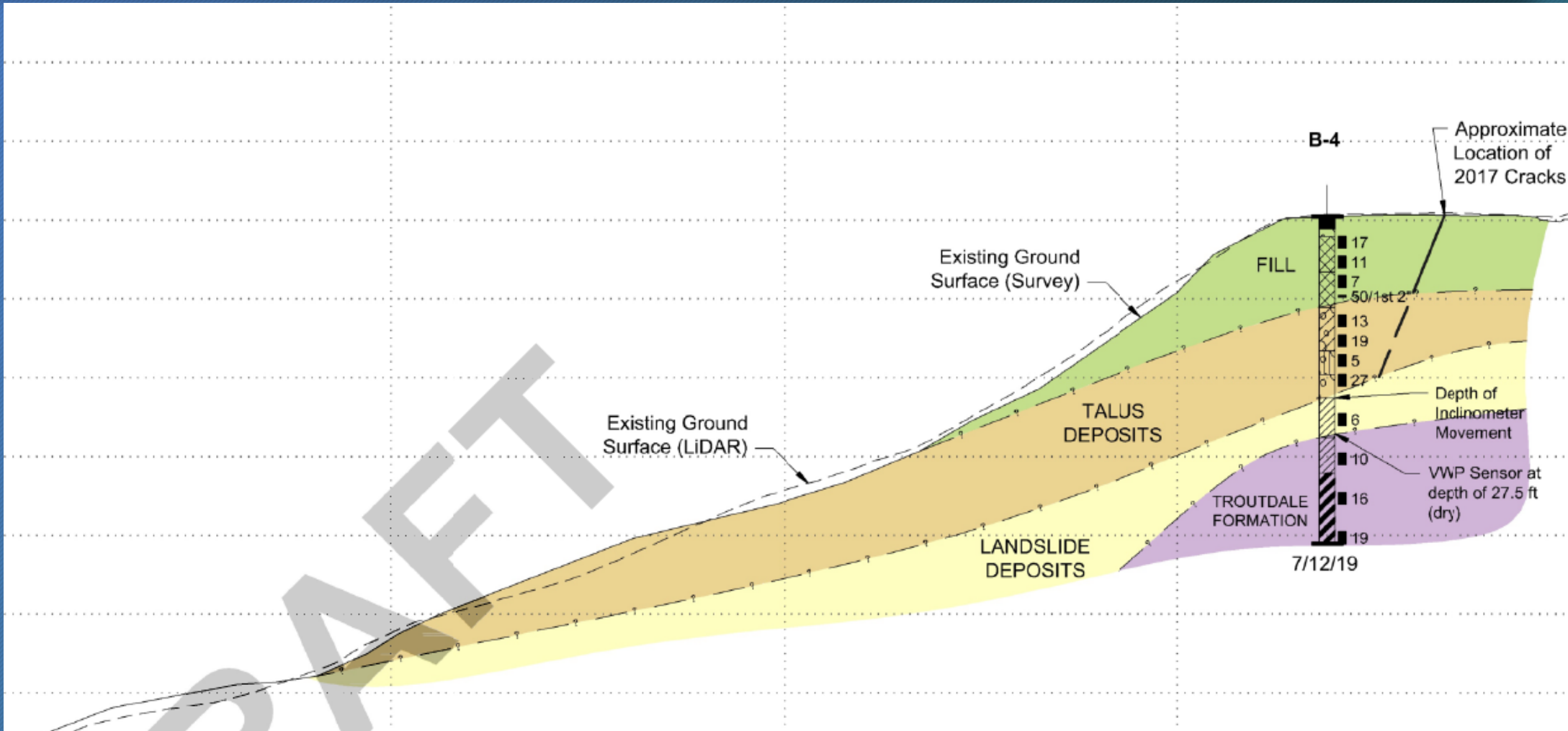


- \$4 million: Federal emergency relief program funds
- \$600,000: County Road Funds

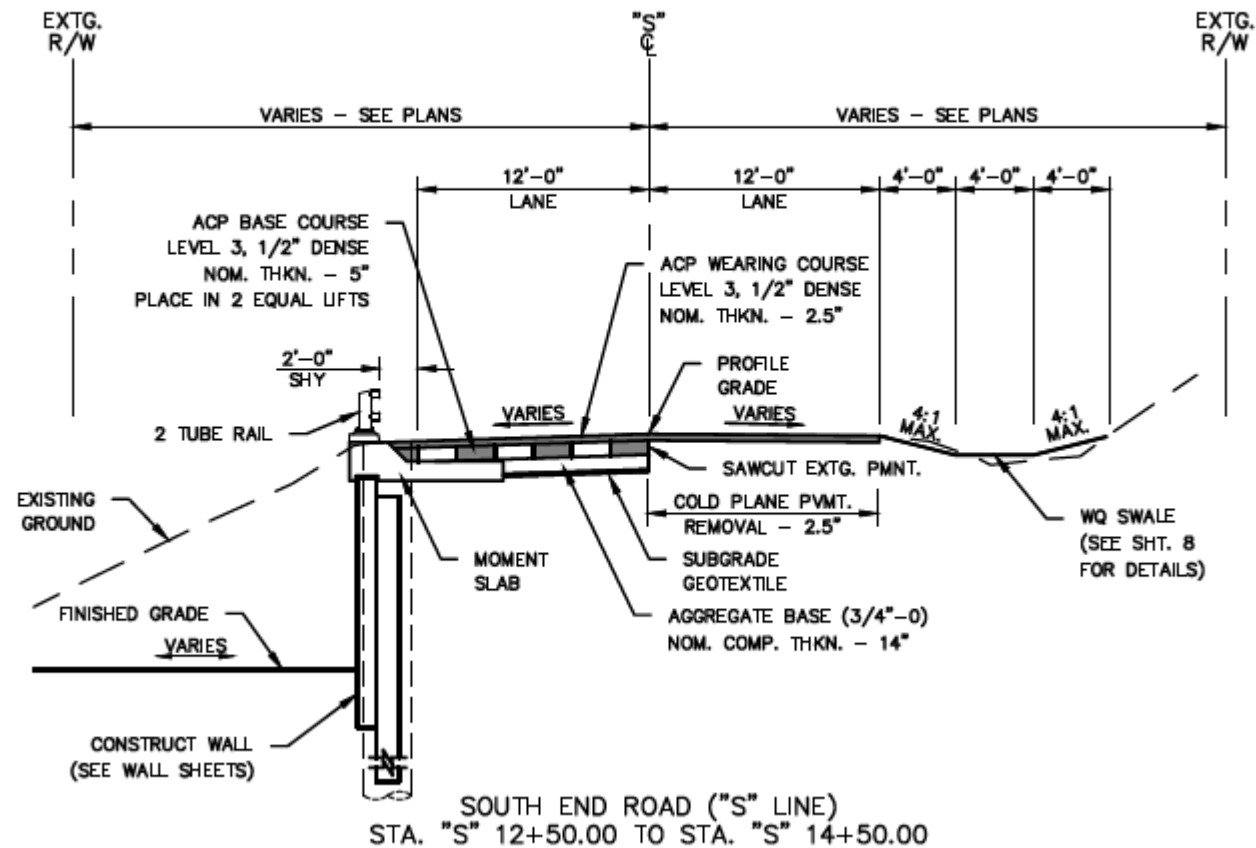
Cross Section of Landslide Geology - Part 1



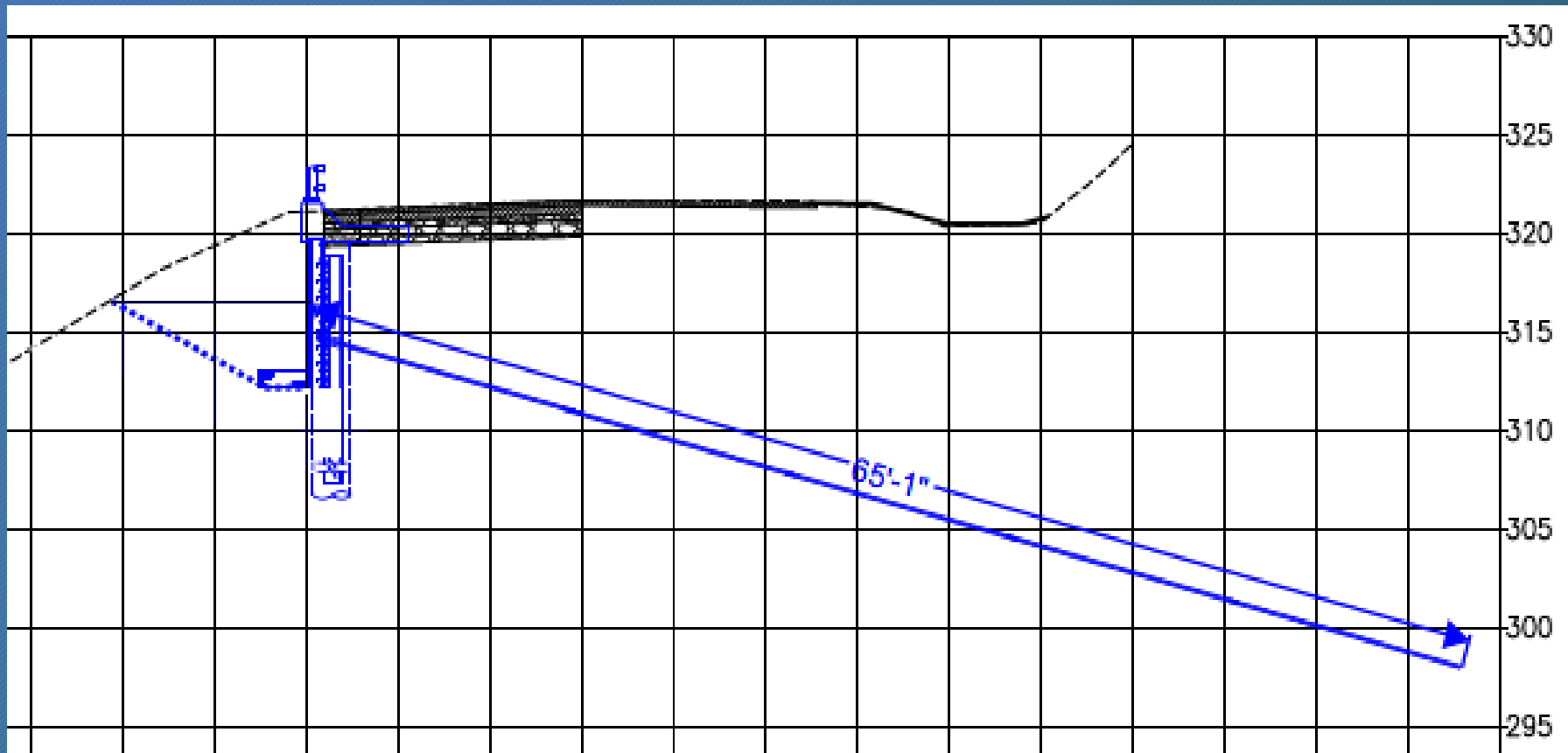
Cross Section of Landslide Geology - Part 2



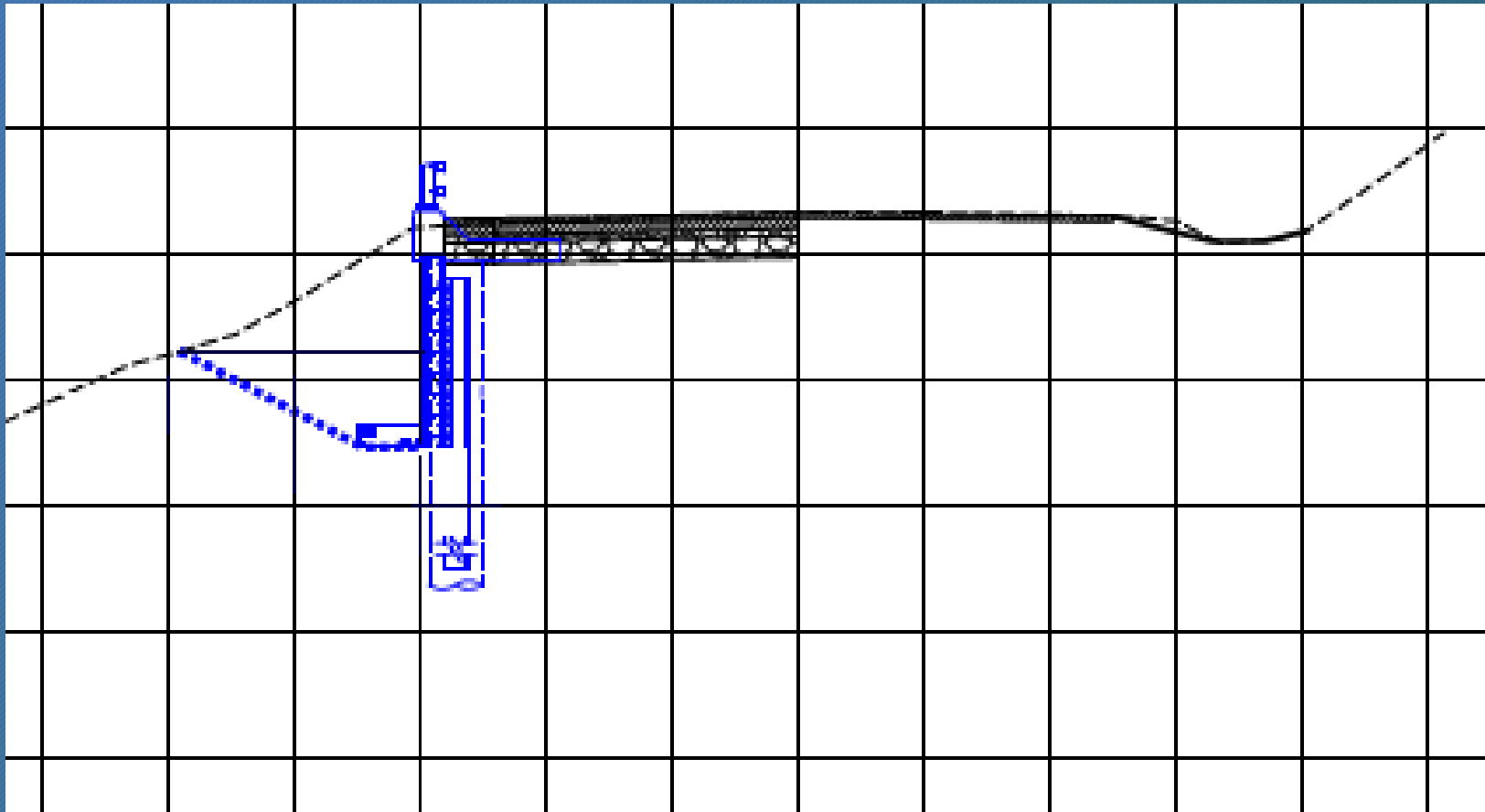
Roadway Cross Section Example



Tie-Back Retaining Wall Cross Section



Soldier Pile Retaining Wall Cross Section



Thank you!



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www.clackamas.us/engineering/south-end-road-landslide-repairs

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