

Changing Environmental
Conditions/Hazard Mitigation
Flood Event – Allegany County MD
May 13, 2025

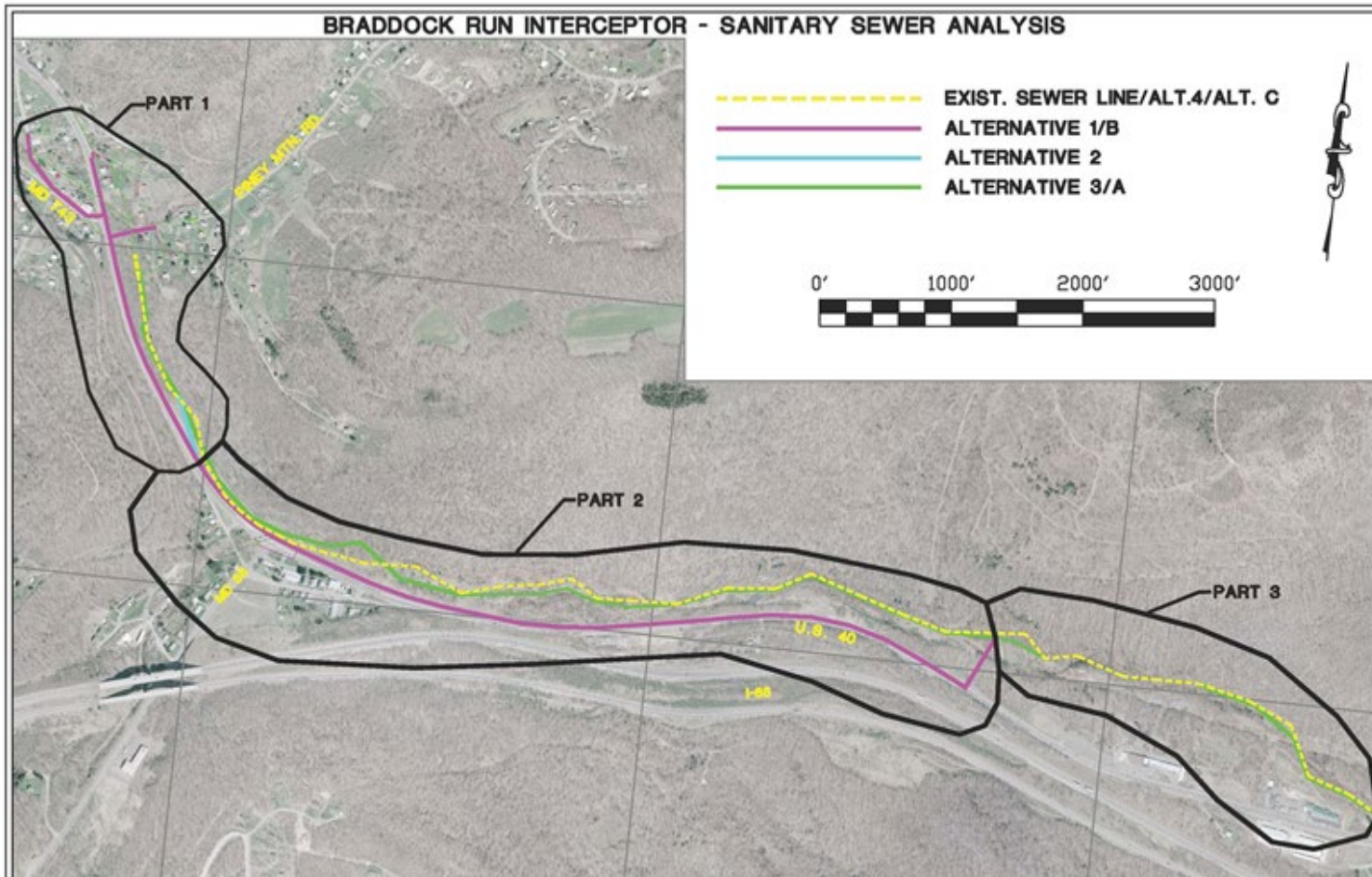
Adam Patterson, PE
Director Allegany County DPW



Interstate 68

Braddock Run Sanitary District
15" Sanitary Sewer Interceptor – 3MGD
Located along Braddock Run
Original Construction 1965
Rehabilitation 2009 – scope included relocation and CIPP





Alternative Analysis completed for the 2009
Sanitary Sewer Project on Braddock Run

Constructing sanitary sewer in
combination with bank stabilization
with hopes of protecting infrastructure

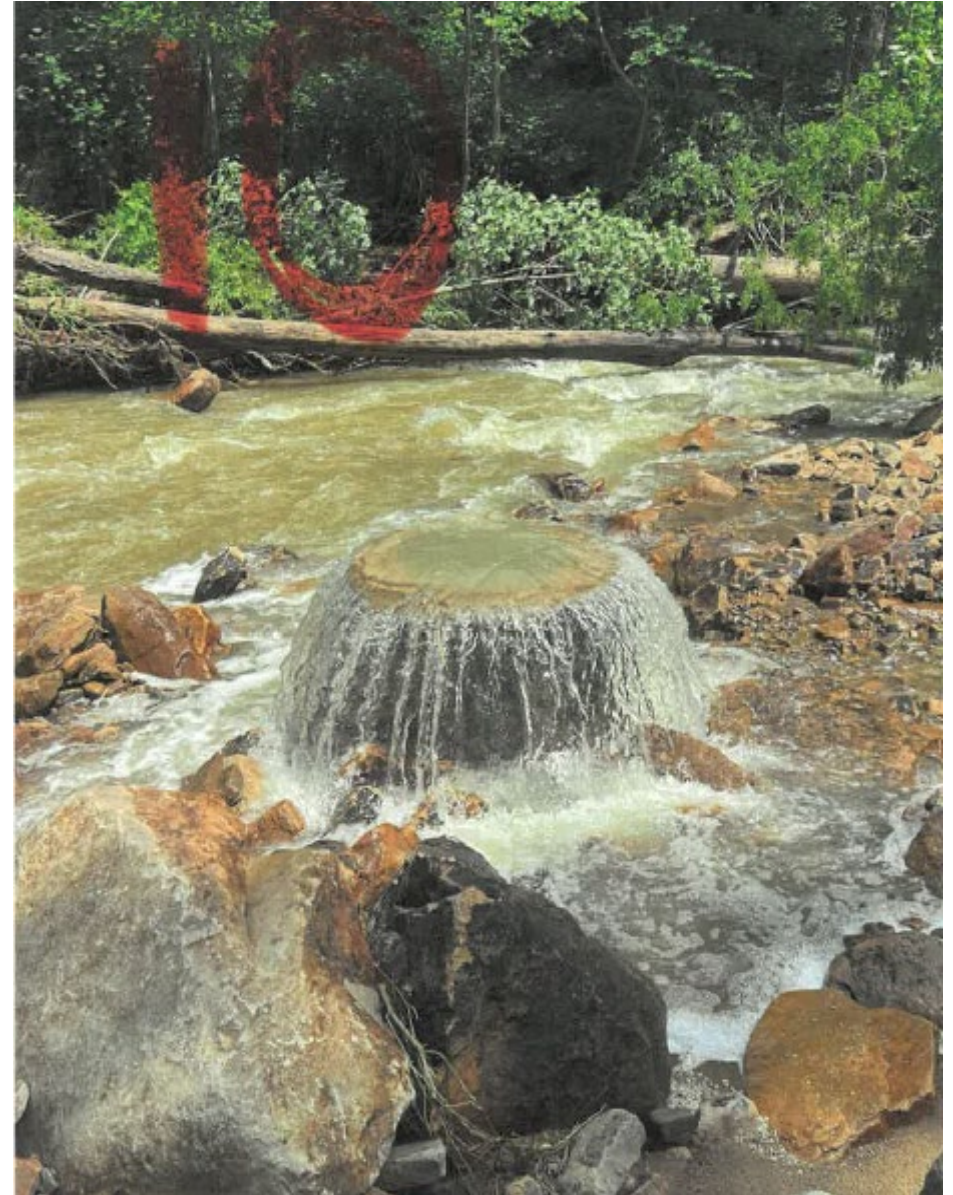


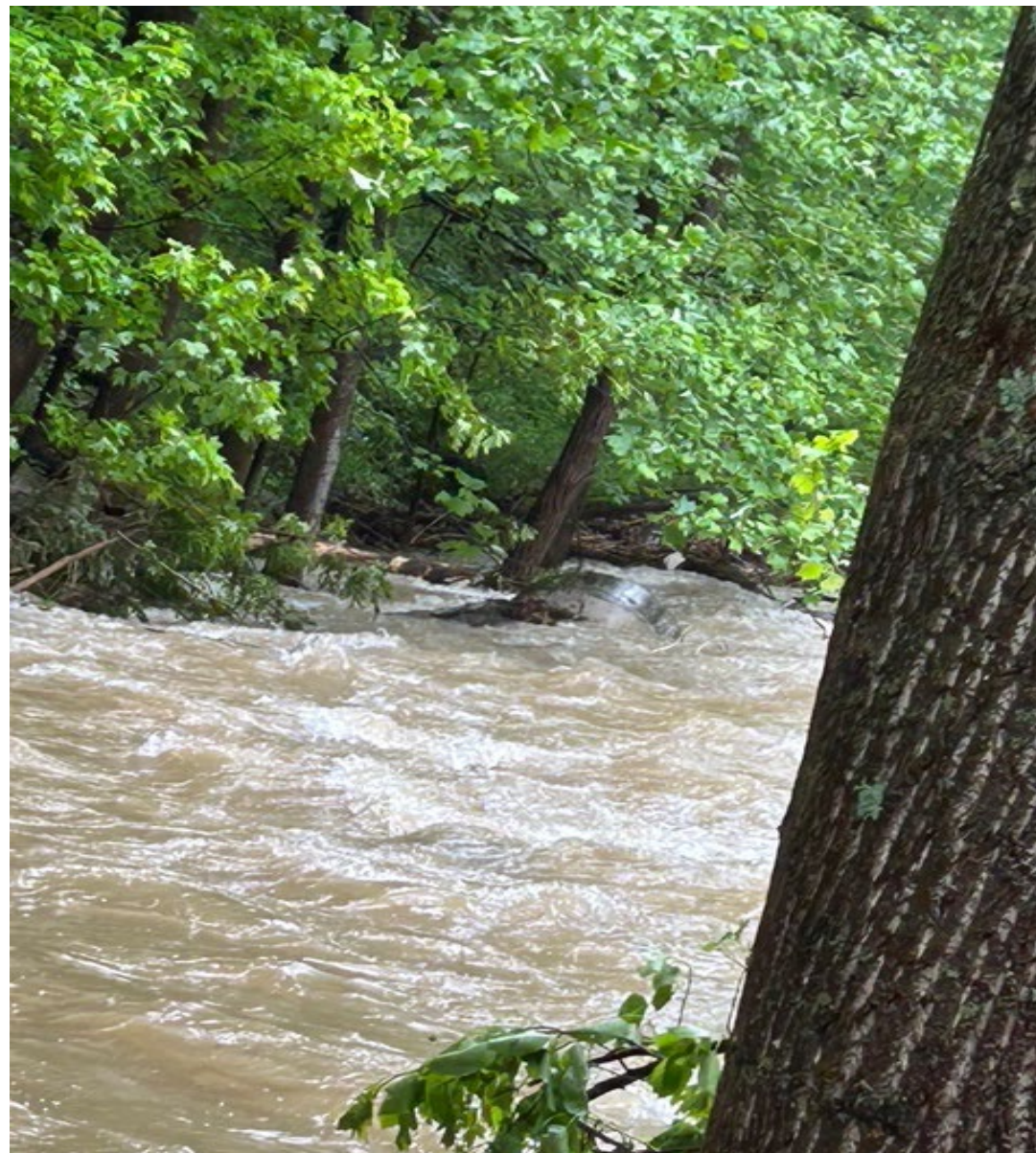
Morning of May 14th
3MGD not flowing into LaVale



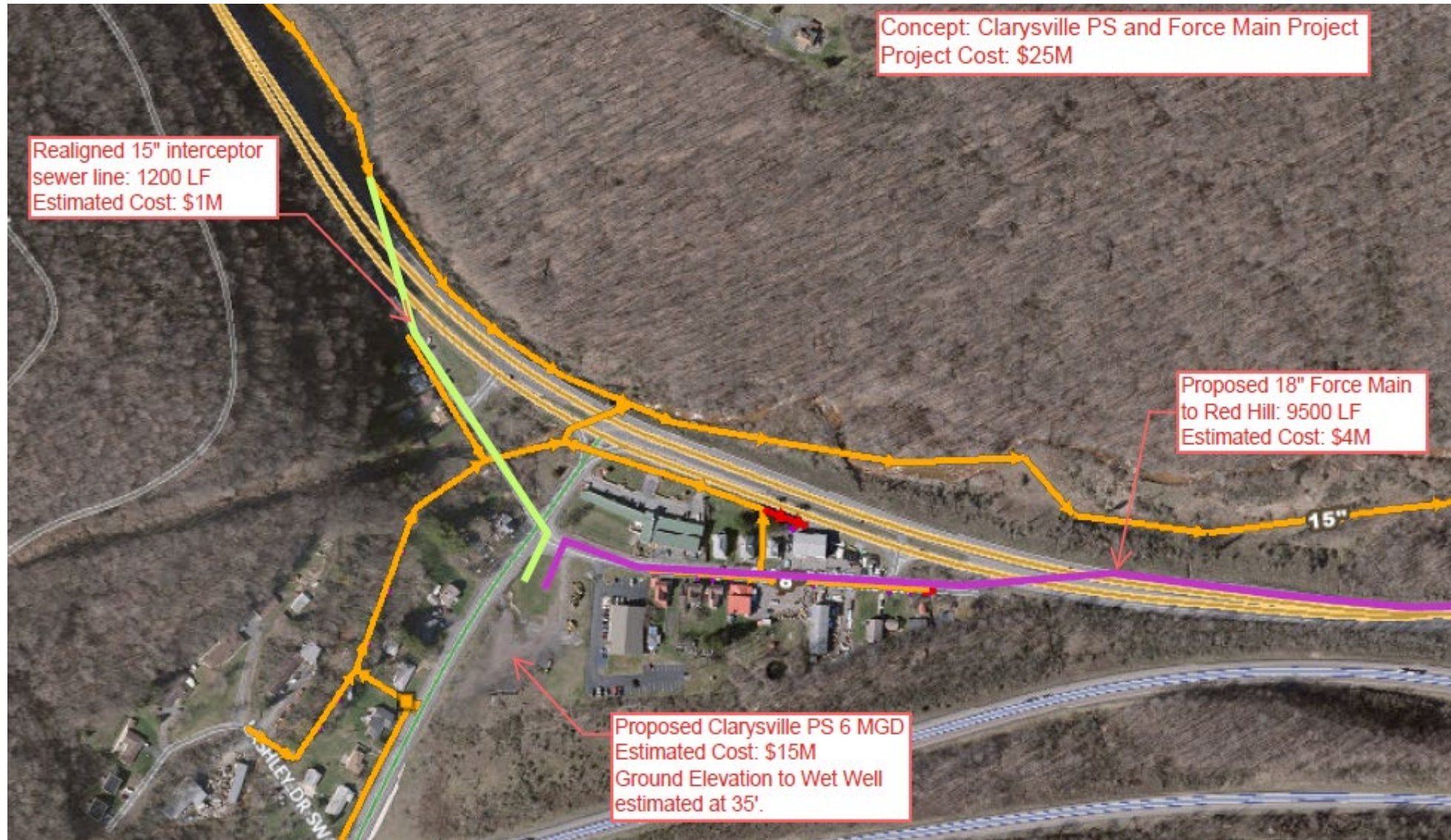
Exist. Manhole

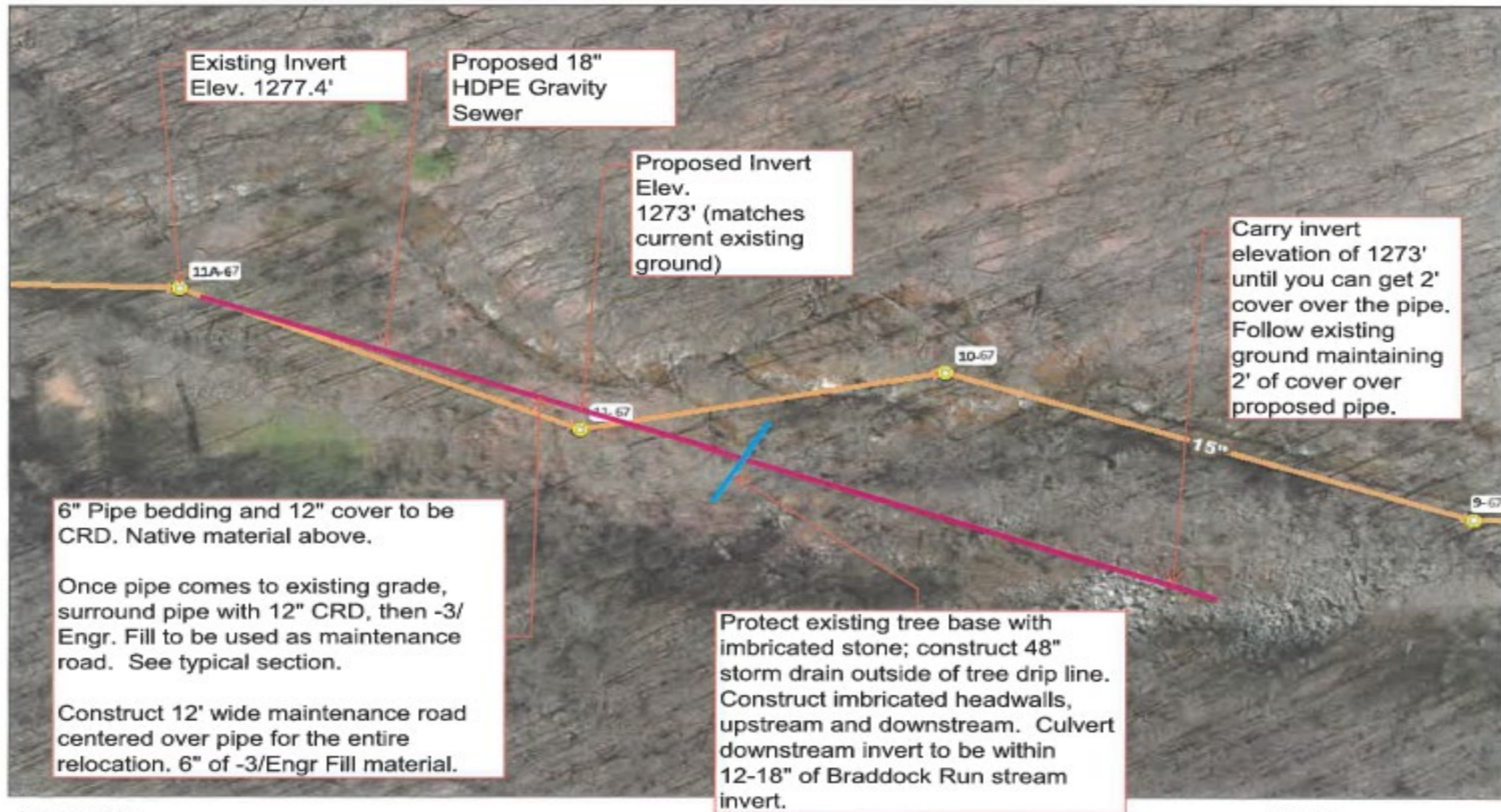


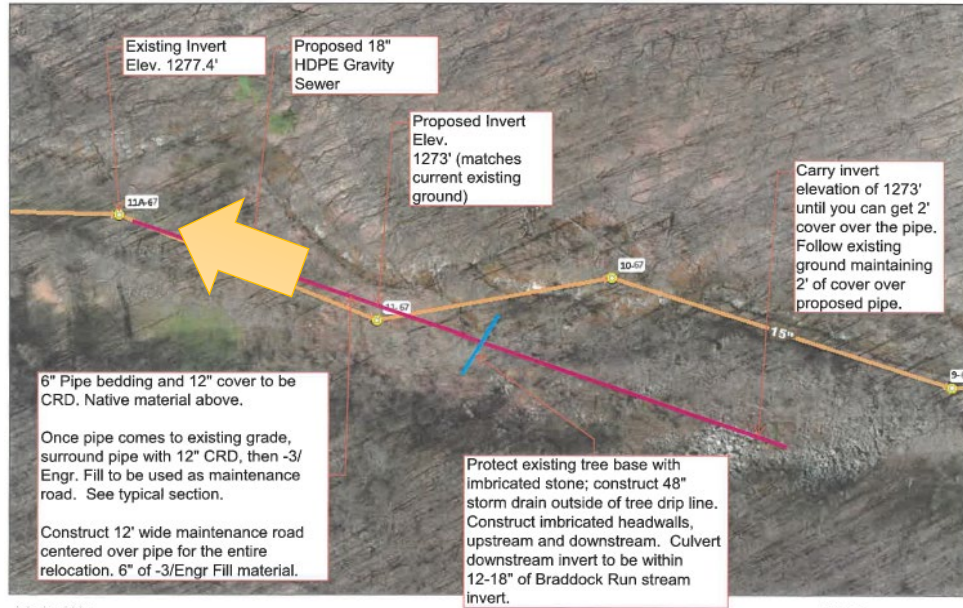




Pump Station Concept was shared 2-weeks after the flood



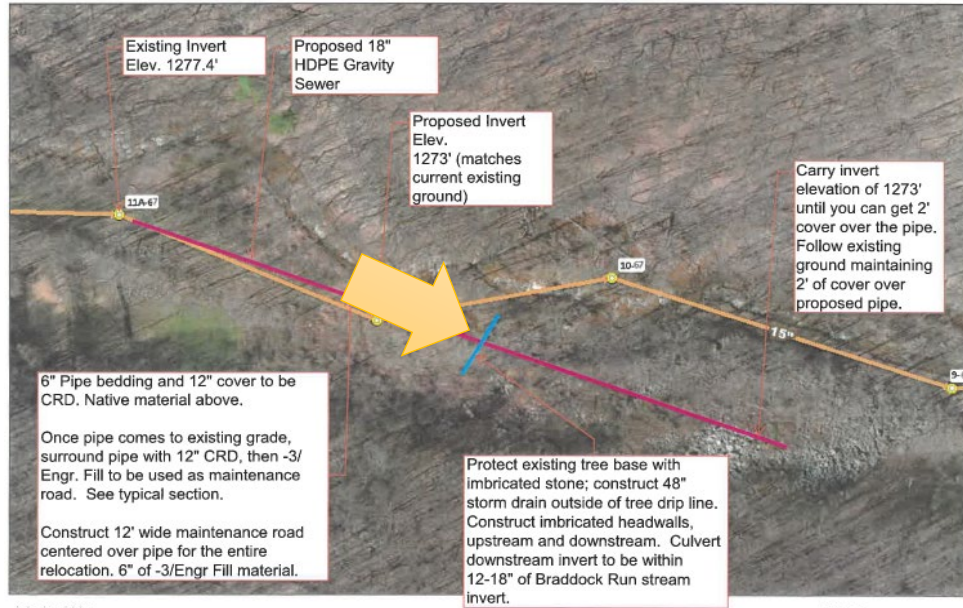




Picture 1 – looking upstream

Existing manhole where we began adjusting the horizontal and vertical alignment of the sanitary sewer interceptor.

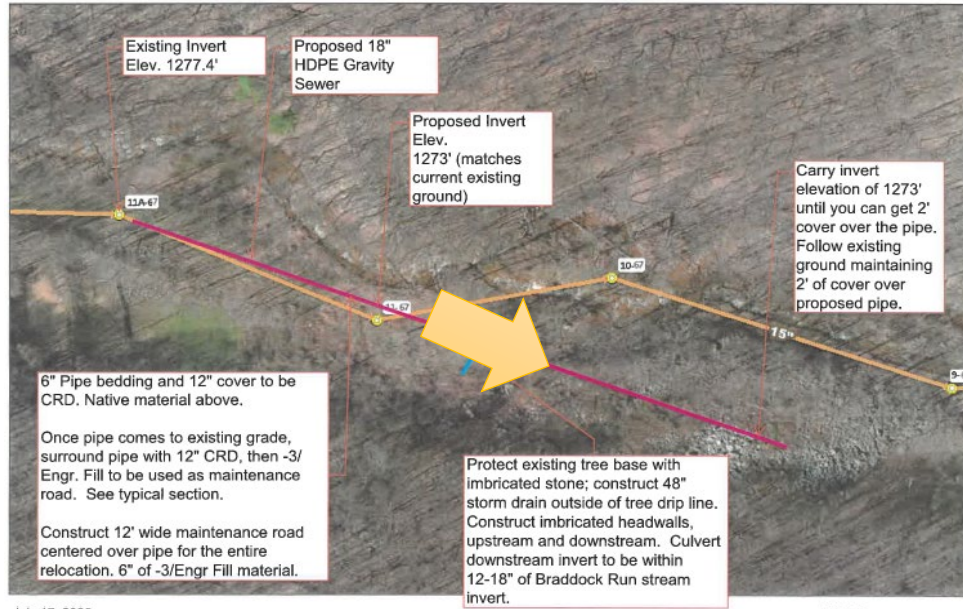




Picture 2 – looking downstream

Existing manhole on the left (old alignment) and the corridor that is located in the floodplain // versus the upland area where the sanitary sewer interceptor was relocated.

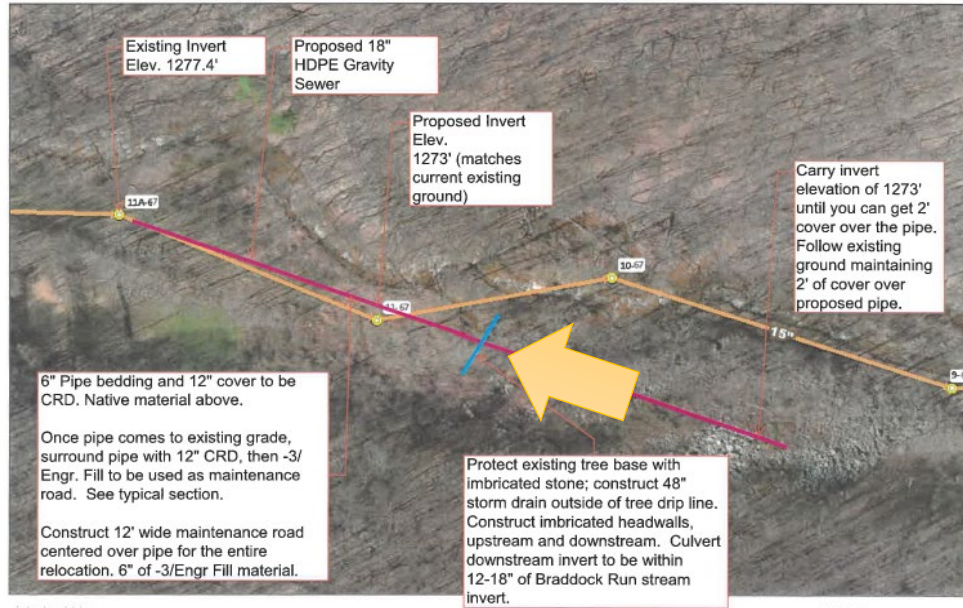




Picture 3 – looking downstream

To the left (old alignment) and the corridor that is located in the floodplain // versus the upland area where the sanitary sewer interceptor was relocated.

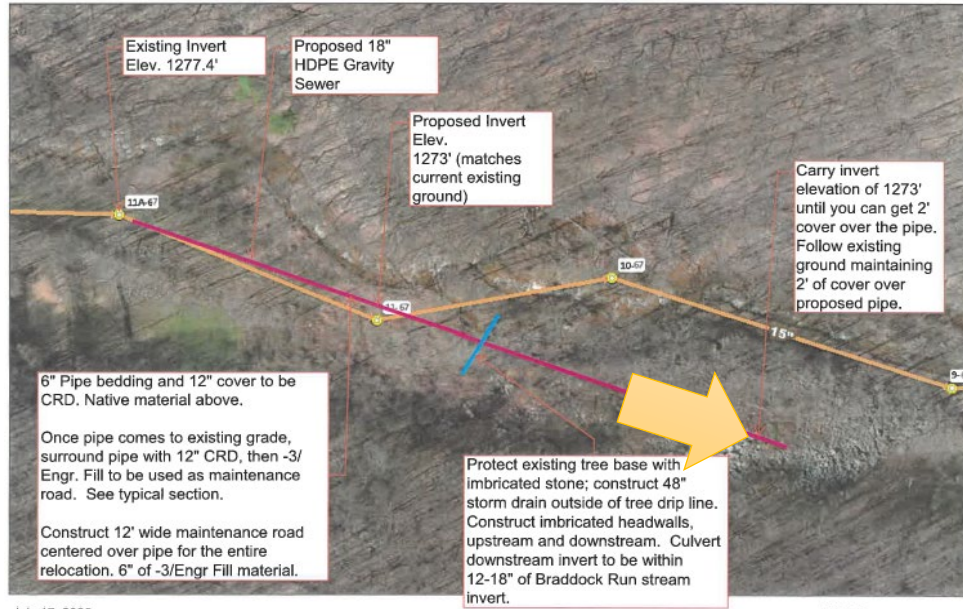




Picture 4 – looking upstream

Looking back to existing manhole
where we began
adjusting the horizontal and vertical
alignment of the sanitary sewer
interceptor.





Picture 5 – looking downstream

Location where gravity sewer went from 0% grade to downhill slope. Within the corridor of overhead utility easement.

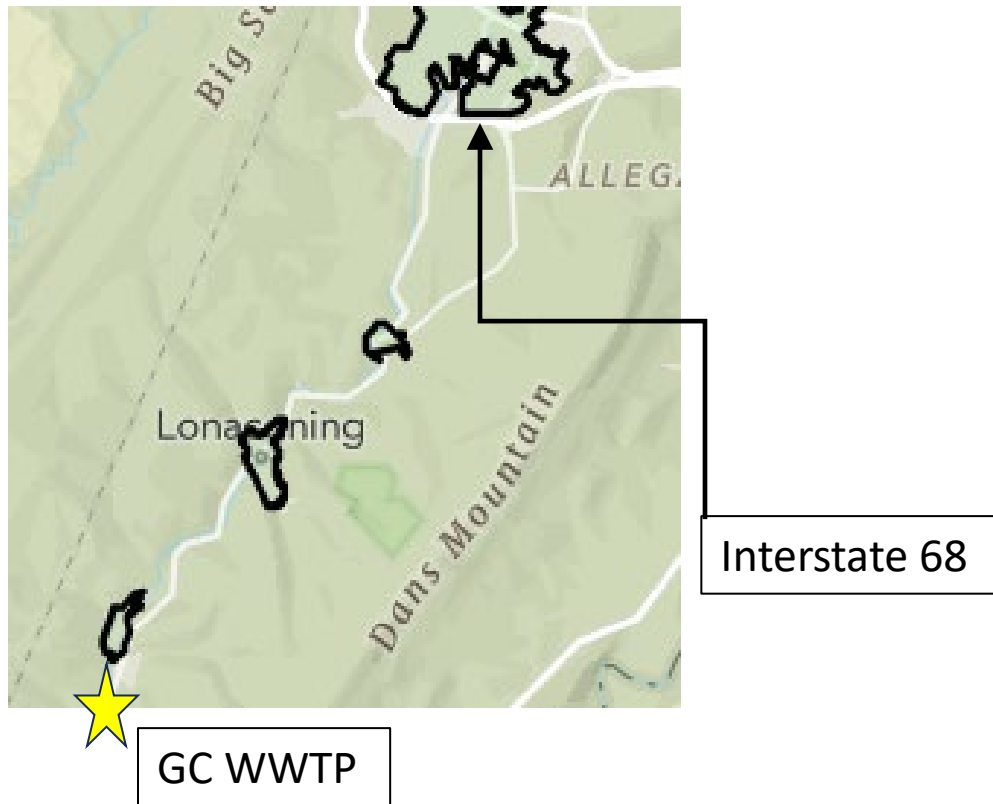


Relocated gravity sewer paralleling the overhead utility lines // Braddock Run floodplain (pre-flood sewer corridor) located on the left side of picture.

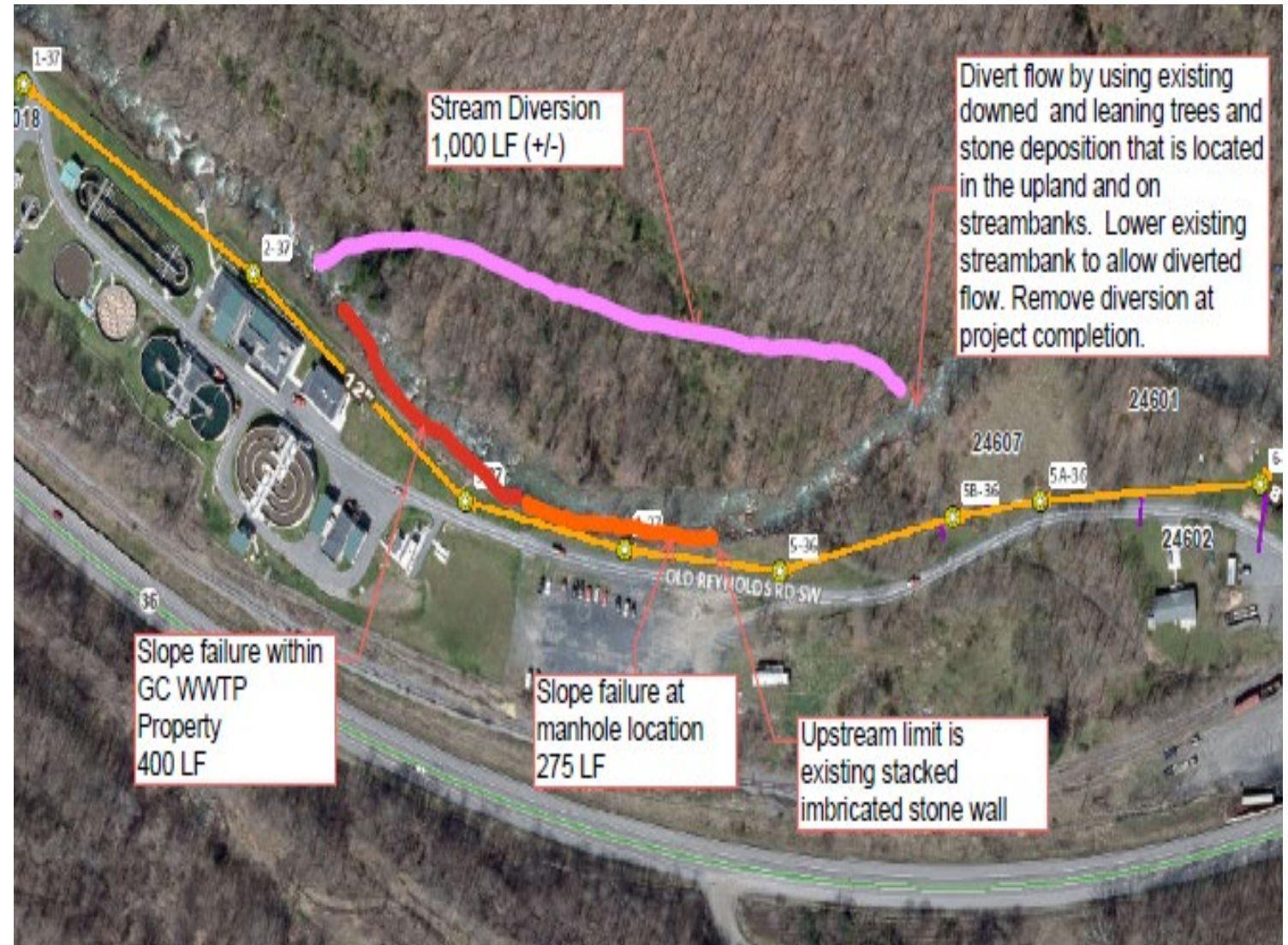
Allegany County relocated 2,300 LF of 15" HDPE fused sanitary sewer at a project cost of \$850,000.

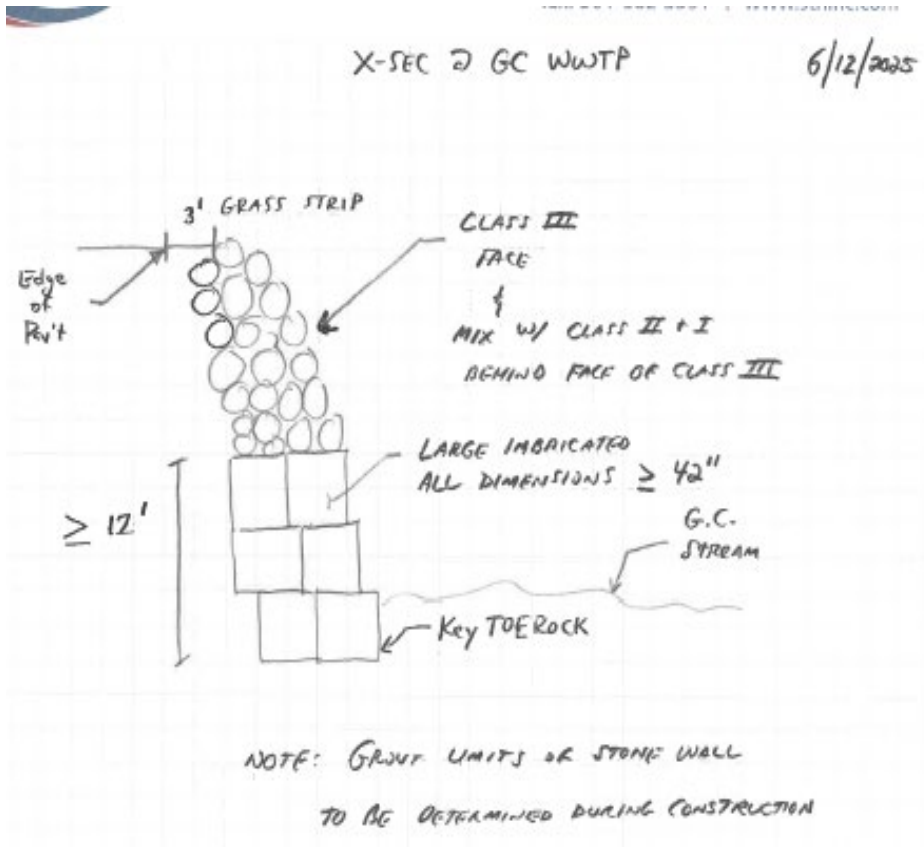


Georges Creek Sanitary District
GC WWTP ENR/BNR 700,000 GPD
Greater than 15 miles of gravity sewer located throughout
GC floodplain with more than 20 stream crossings



Repair failed streambank along gravity sewer upstream of GC WWTP.





Streambank concept
upstream of GC WWTP.

