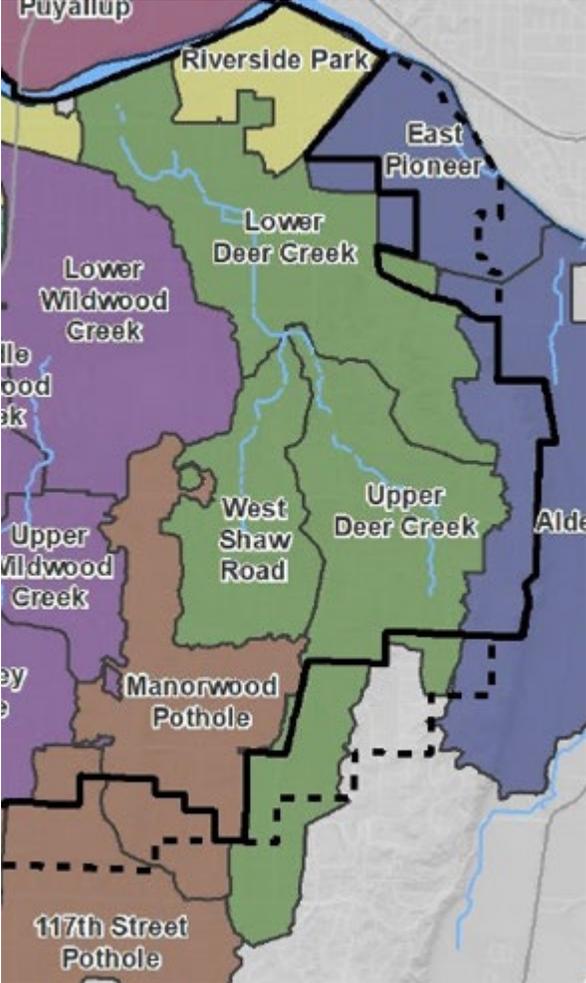
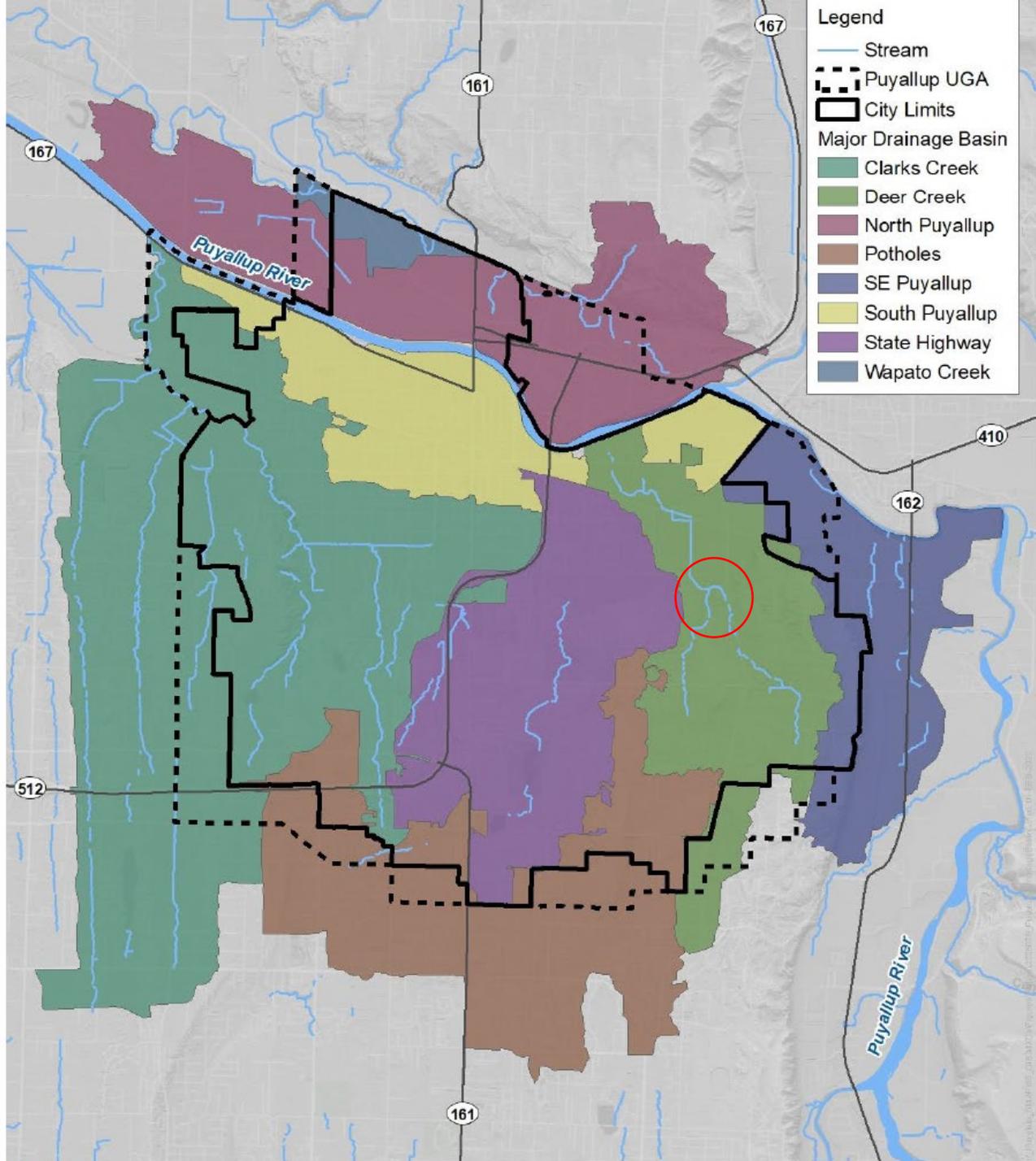


City of Puyallup

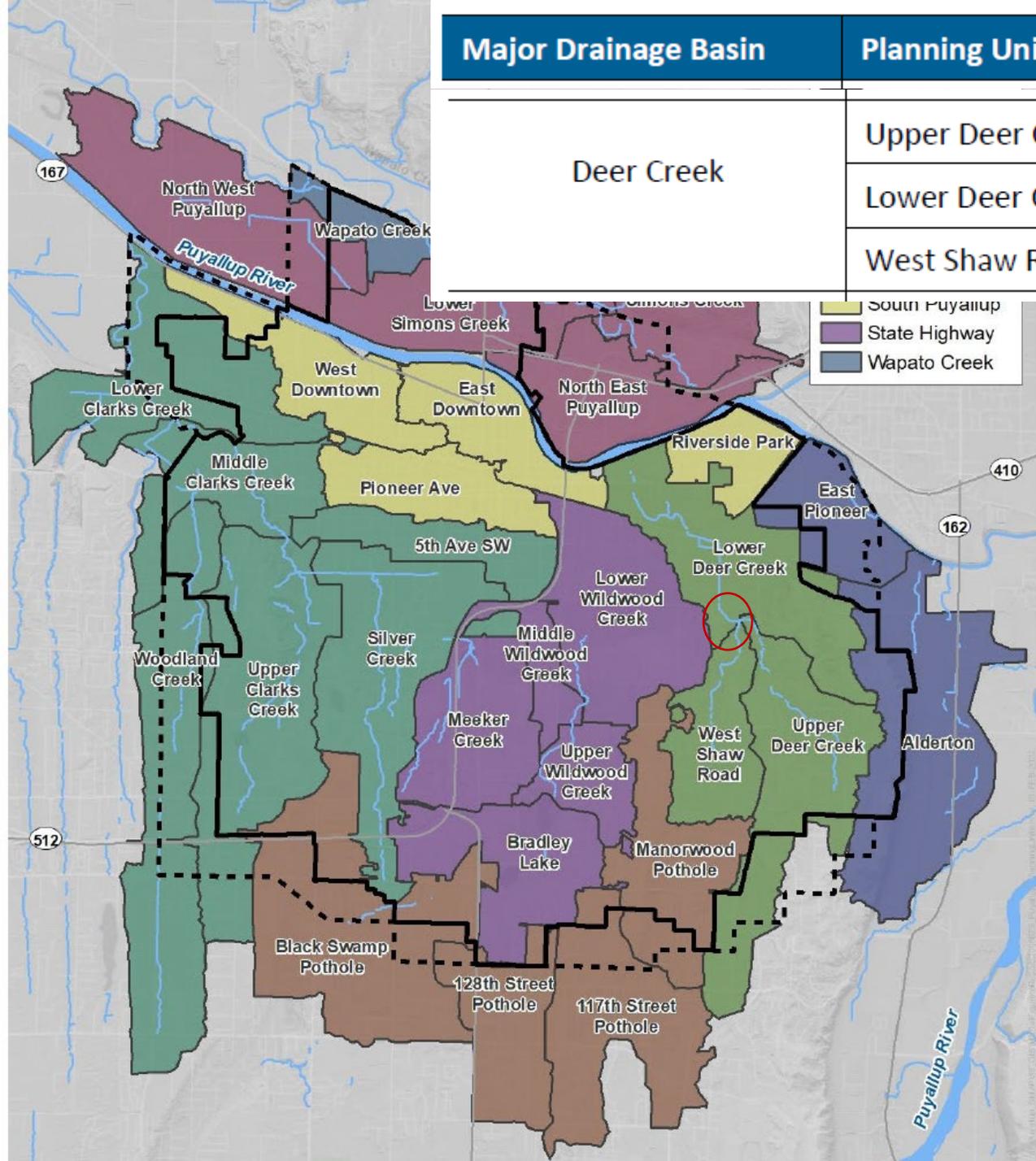
Deer Creek - Realignment and Culvert replacement

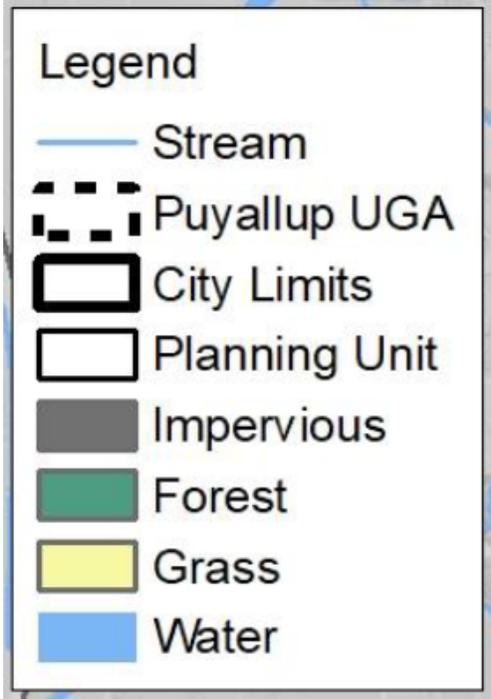
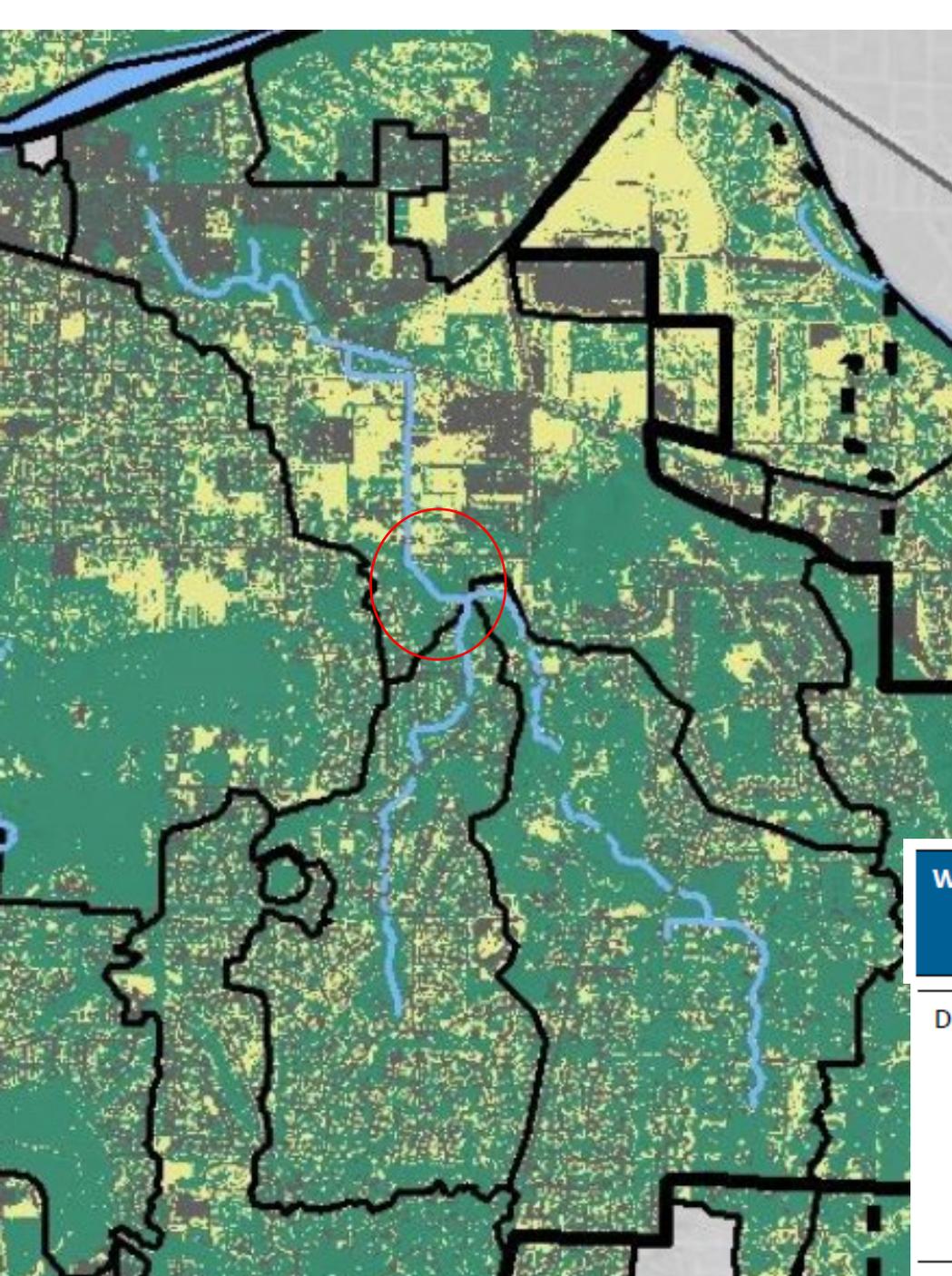
Paul Marrinan, PE – Senior Stormwater Engineer



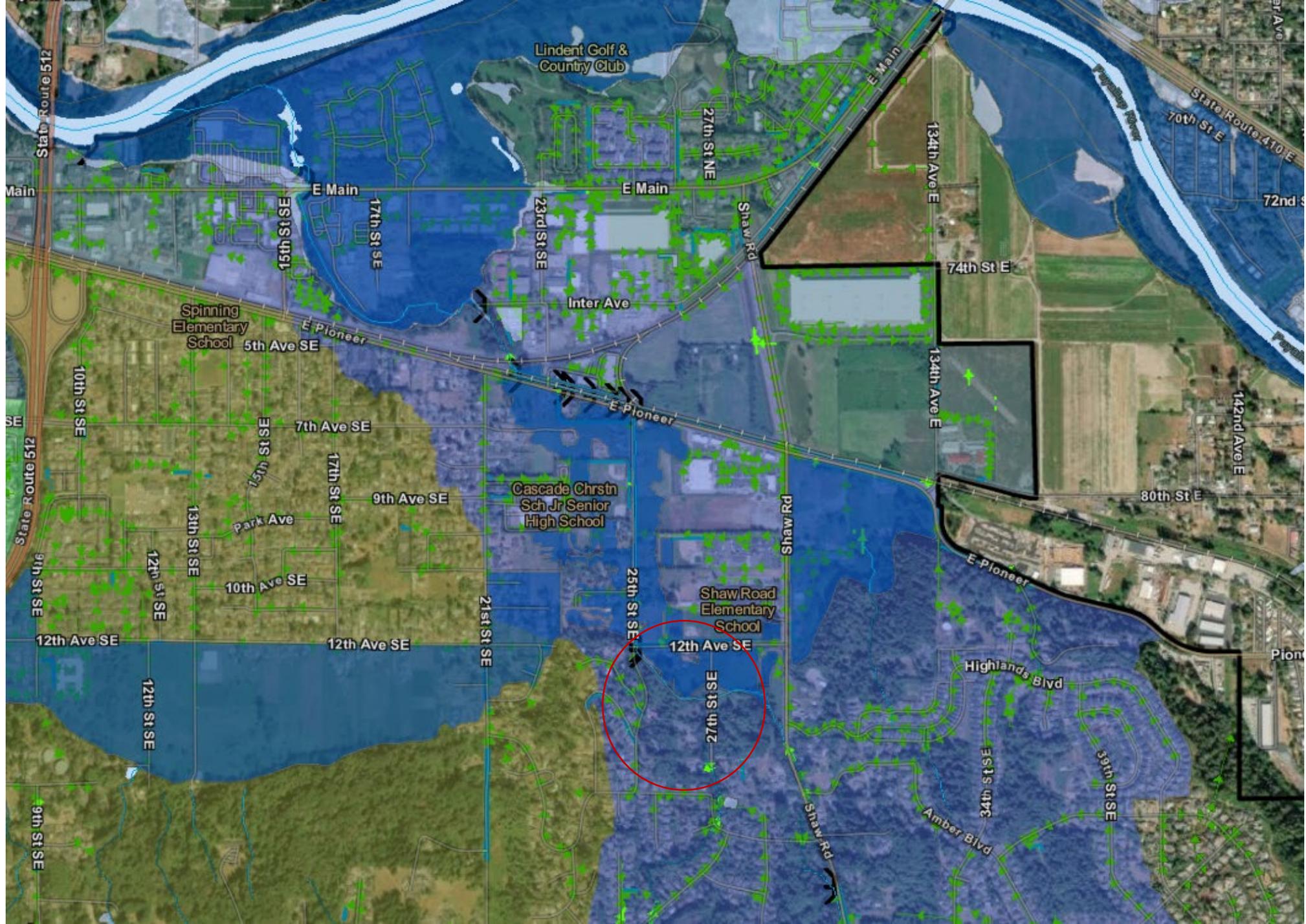


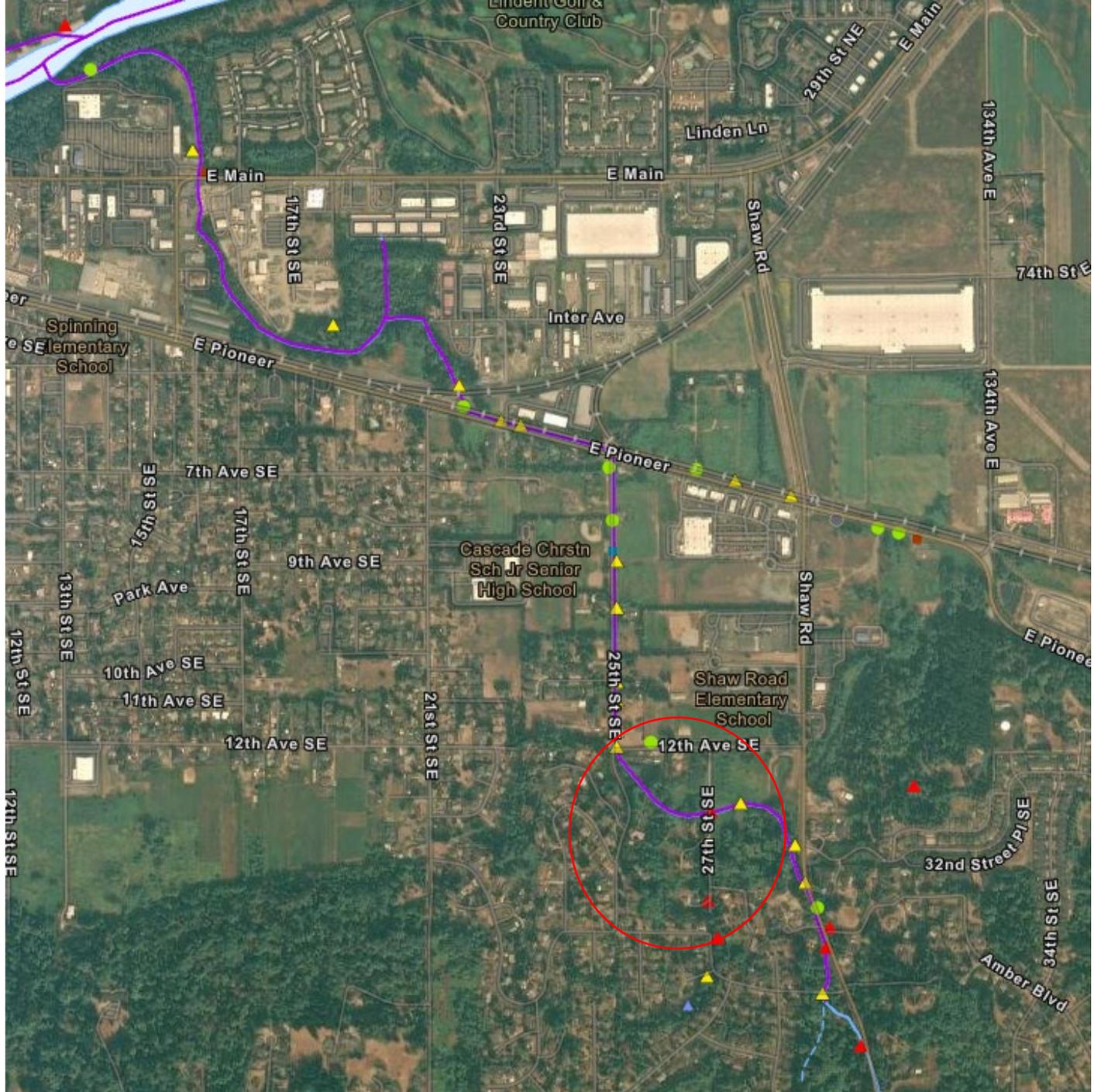
Major Drainage Basin	Planning Unit	Total Area (ac)	% in UGA
Deer Creek	Upper Deer Creek	720	87.1%
	Lower Deer Creek	689	100.0%
	West Shaw Road	343	100.0%

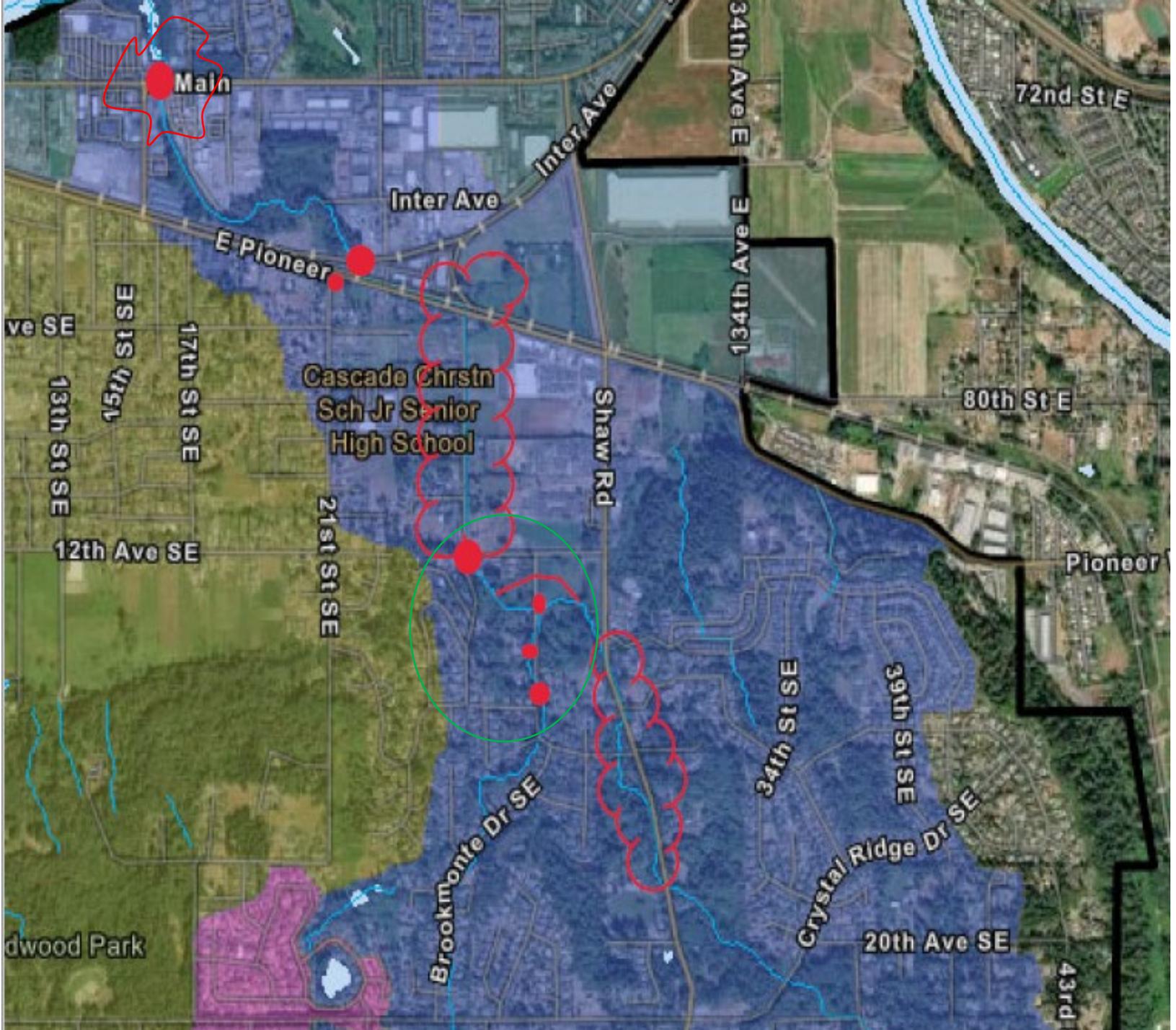




Watershed	Planning Unit	% Impervious	% Forest	% Undeveloped	Relative Development Pressure
Deer Creek	Lower Deer Creek	31.6%	44.9%	23.4%	Medium
	Upper Deer Creek	18.1%	65.1%	16.8%	Low
	West Shaw Road	25.7%	54.9%	19.4%	Low

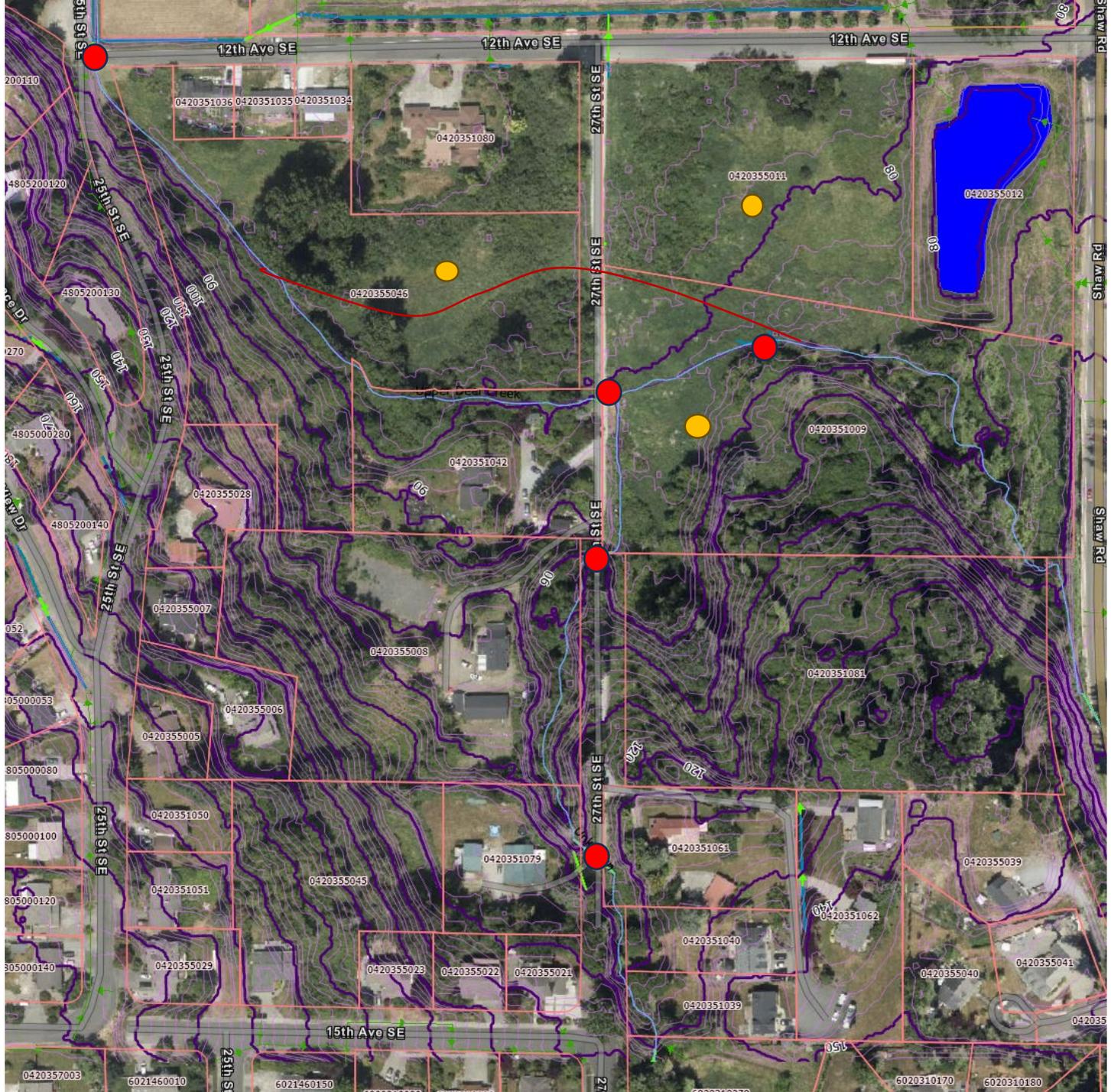












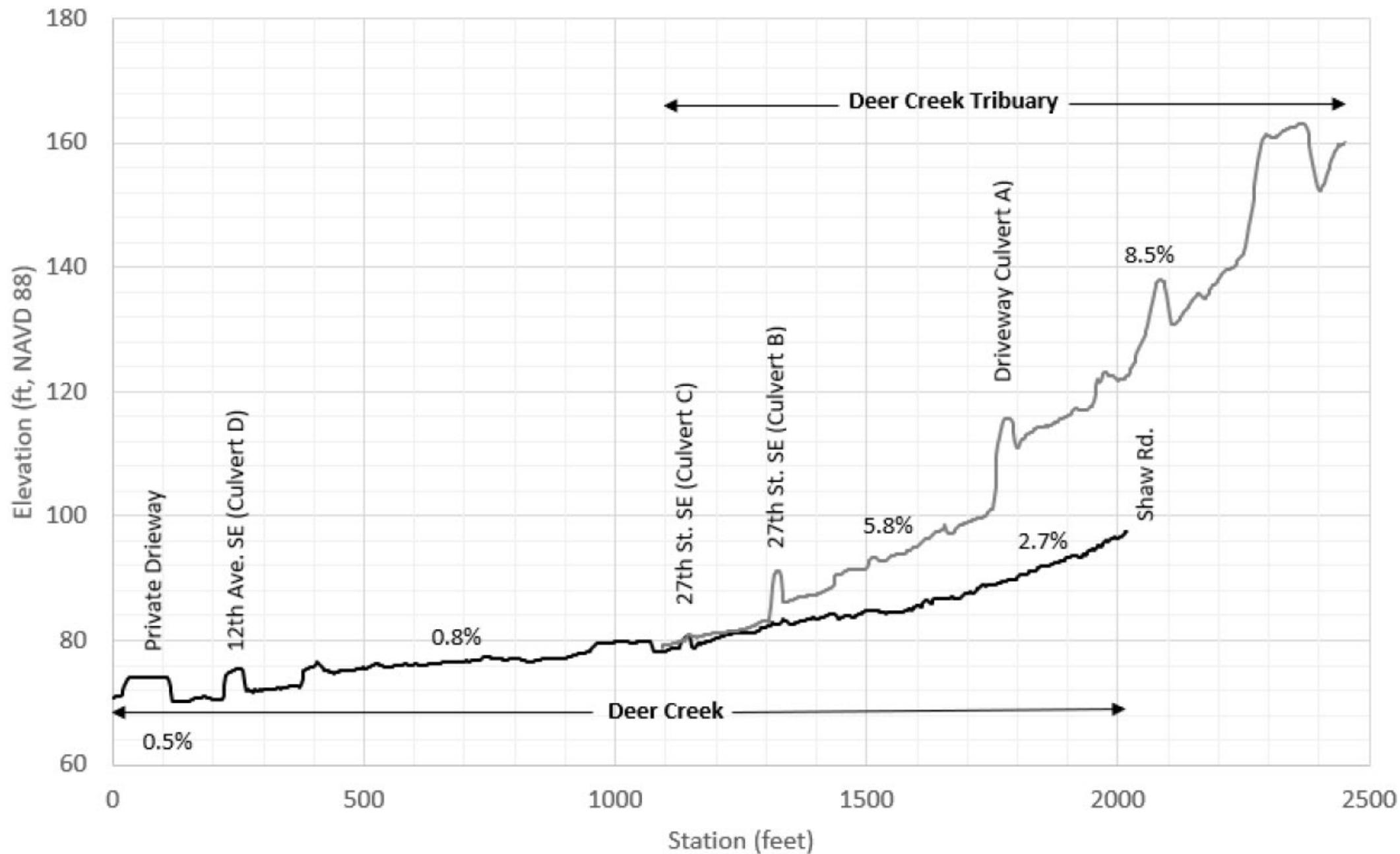


Figure 2. Longitudinal Profiles of Deer Creek and the Deer Creek Tributary



Figure 4. 1985 Aerial Photo of Project Site (<https://matterhornwab.co.pierce.wa.us/publicgis/#>)

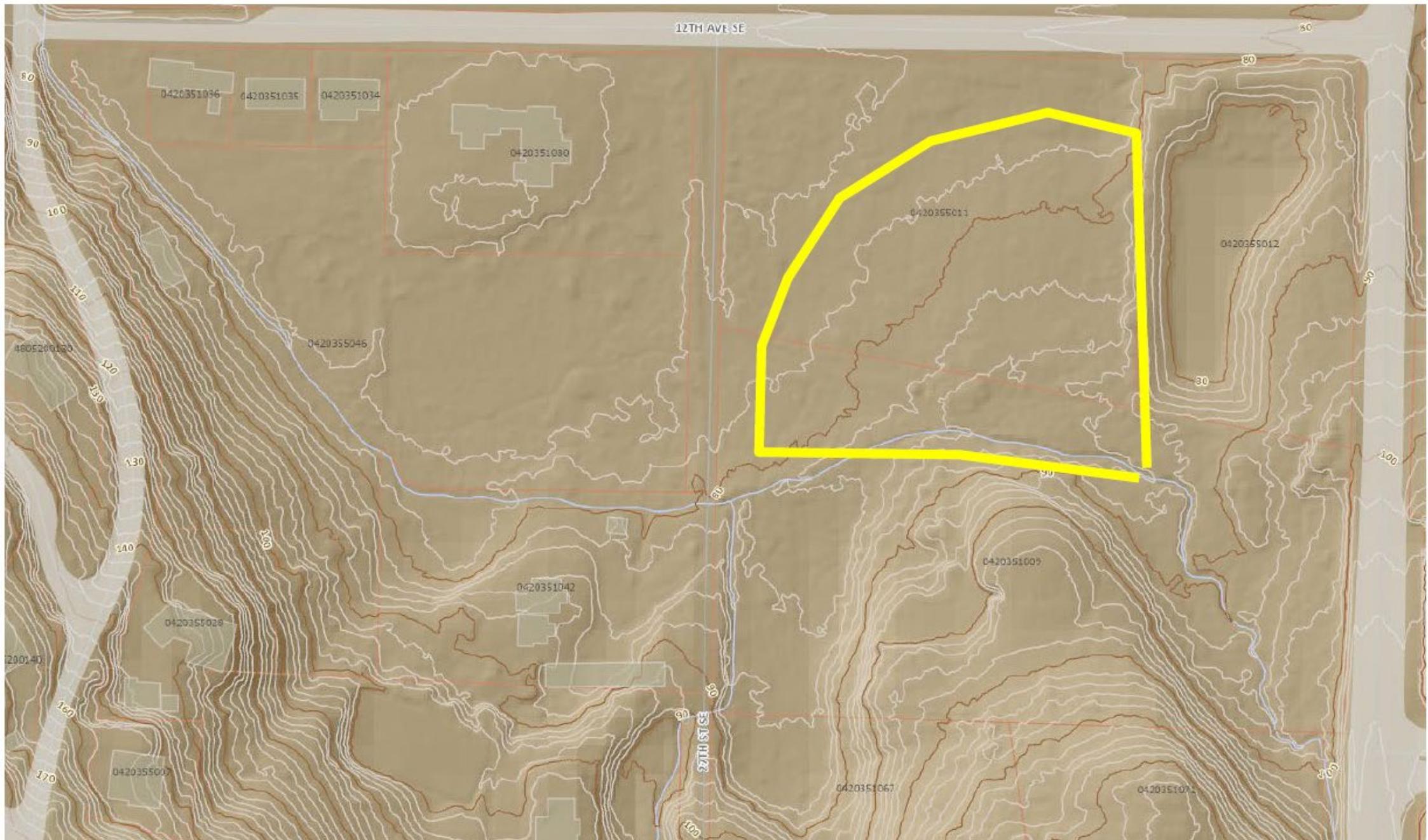


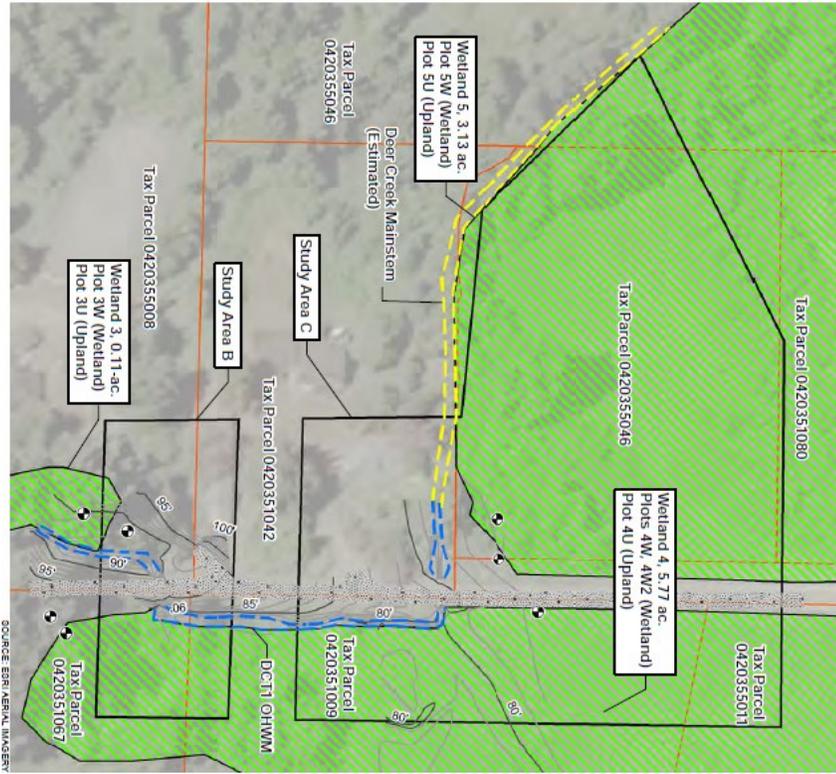
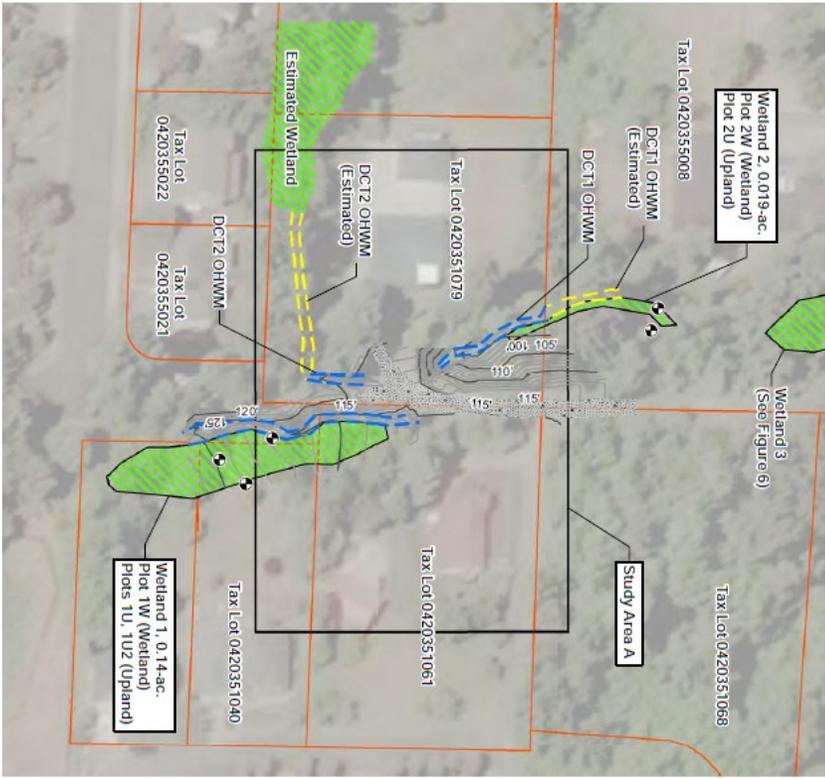
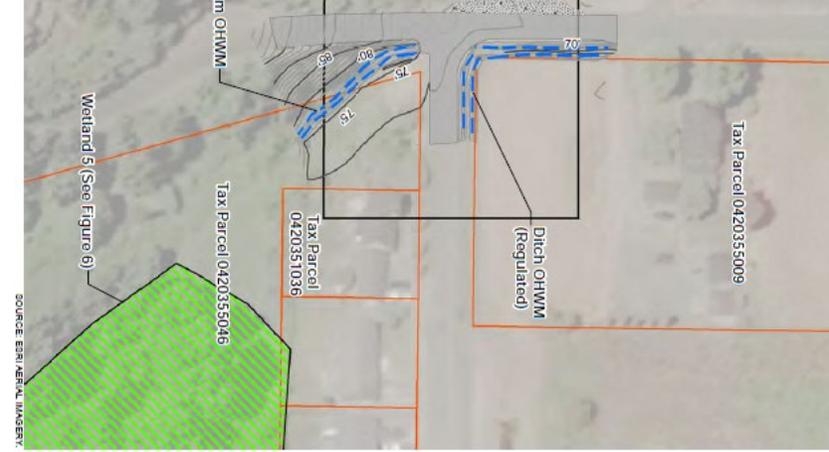
Figure 3. Topography Showing Alluvial Fan Feature (Yellow Polygon) on the Deer Creek Mainstem



Table 2. Delineated Wetlands in the Vicinity of the Study Area

Wetland Name	Estimated Wetland Size (Acres)	Hydrogeomorphic Class	Cowardin Classification
1	0.14	Riverine/Slope	Palustrine Scrub-Shrub
2	0.019	Riverine/Slope	Palustrine Forested
A3*	0.15	Riverine/Slope	Palustrine Forested
3	0.11	Riverine/Slope	Palustrine Forested
4	5.77	Depressional/Riverine	Palustrine Forested/Emergent
5	3.13	Depressional/Riverine	Palustrine Forested/Scrub-Shrub/Emergent

* Wetland A3 is outside of the study area and was not formally delineated.



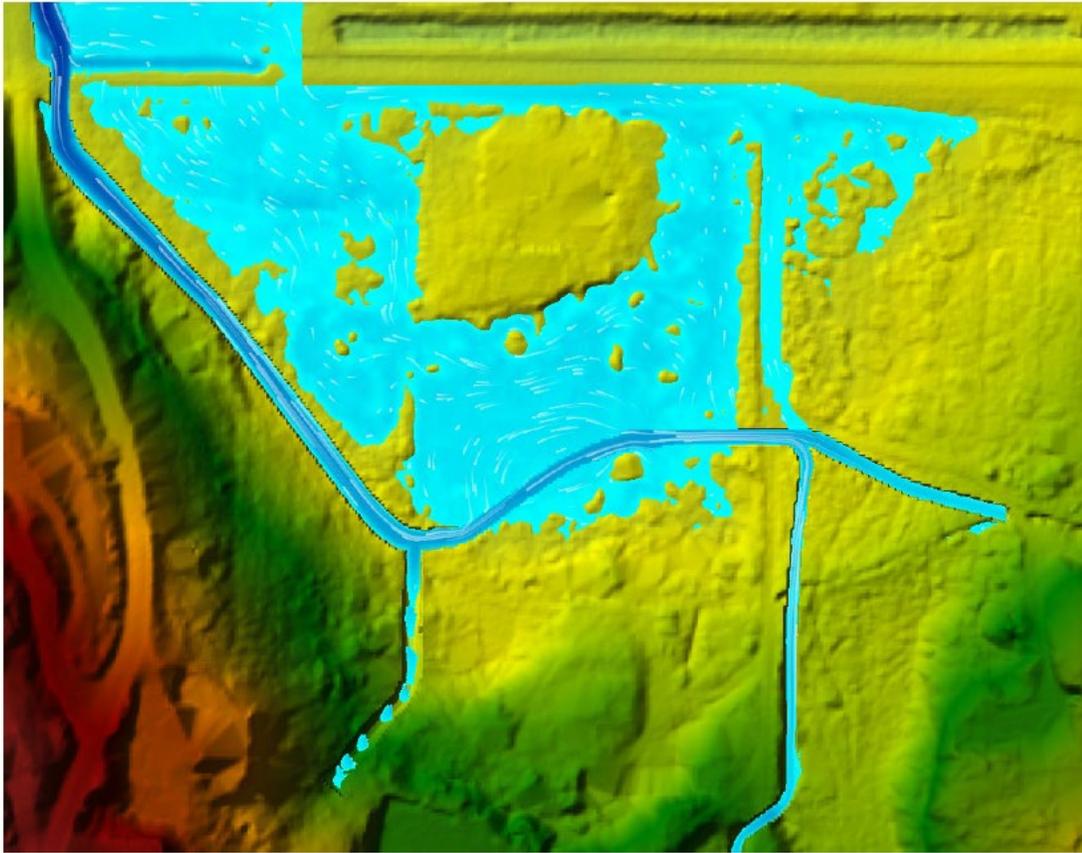


Figure 11. Computed 10-Year Peak Flood Inundation Limits

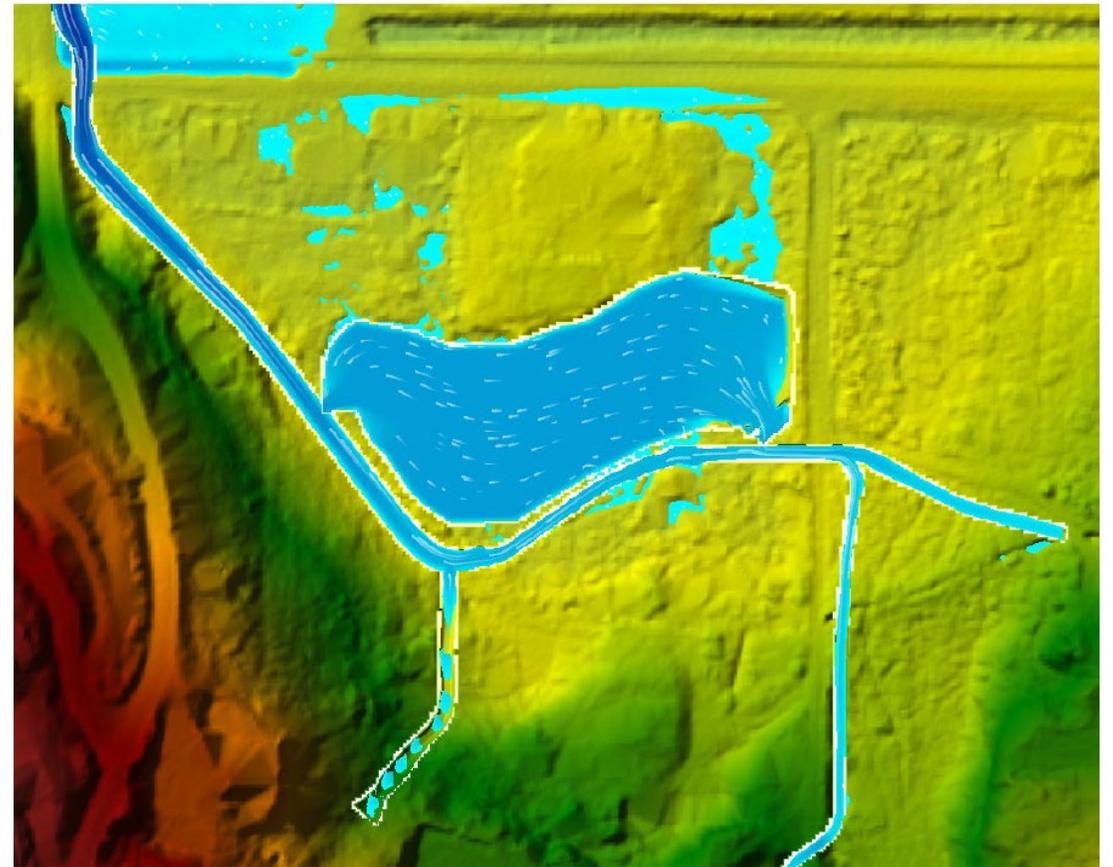
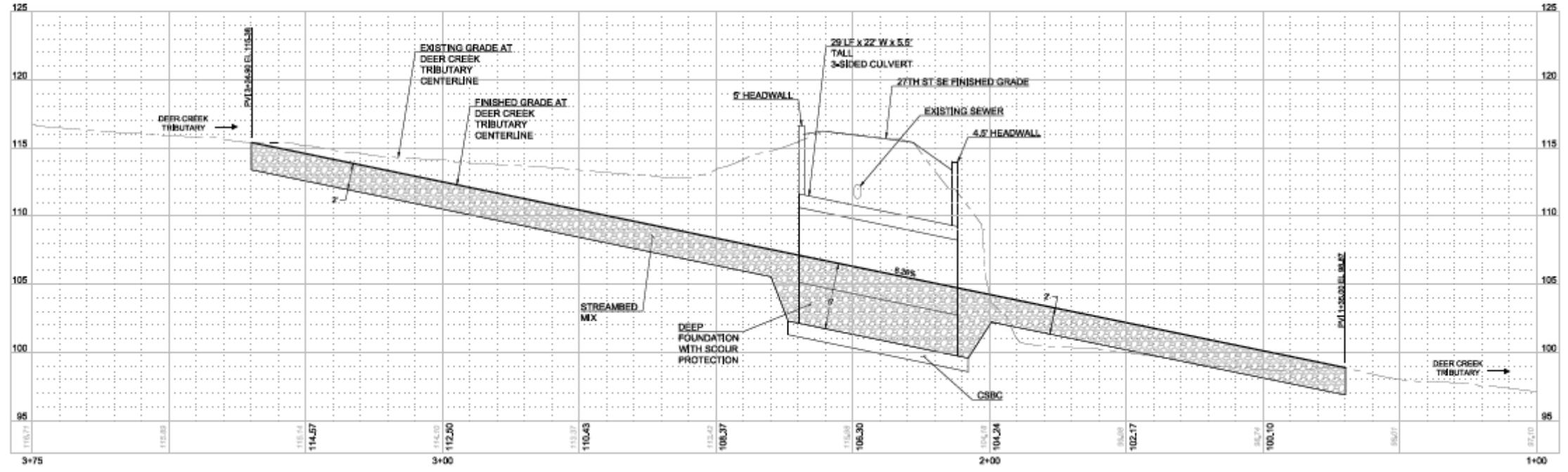
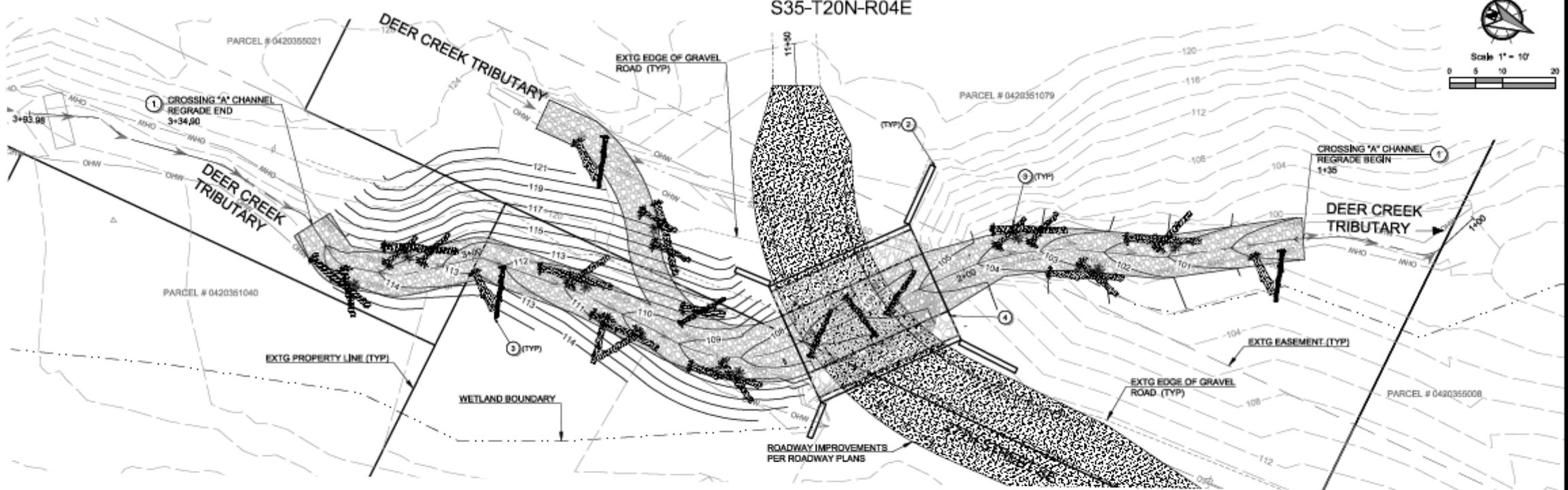


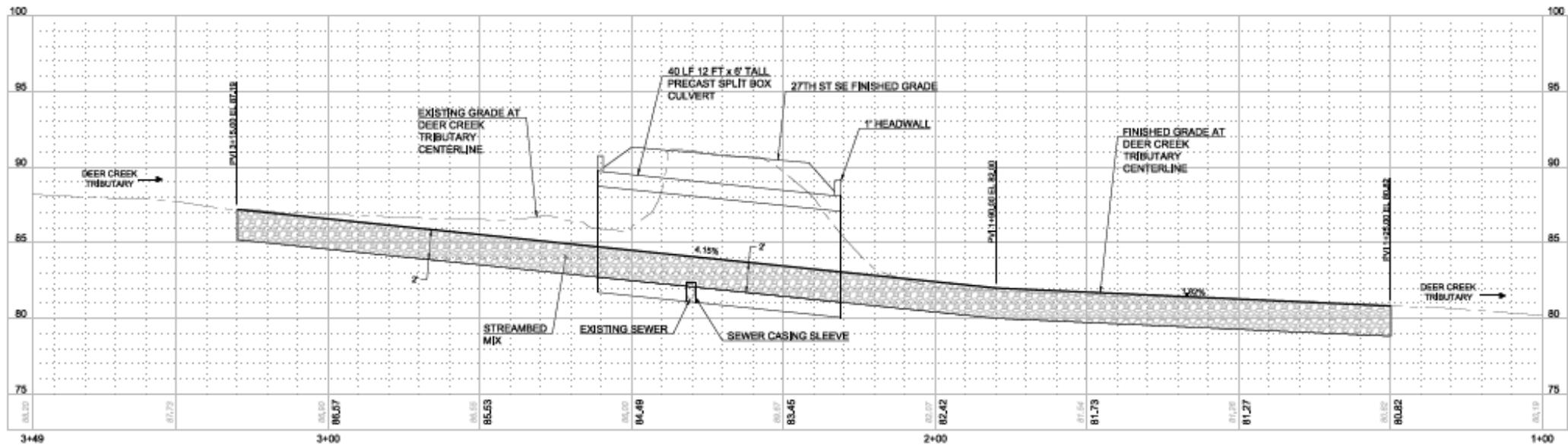
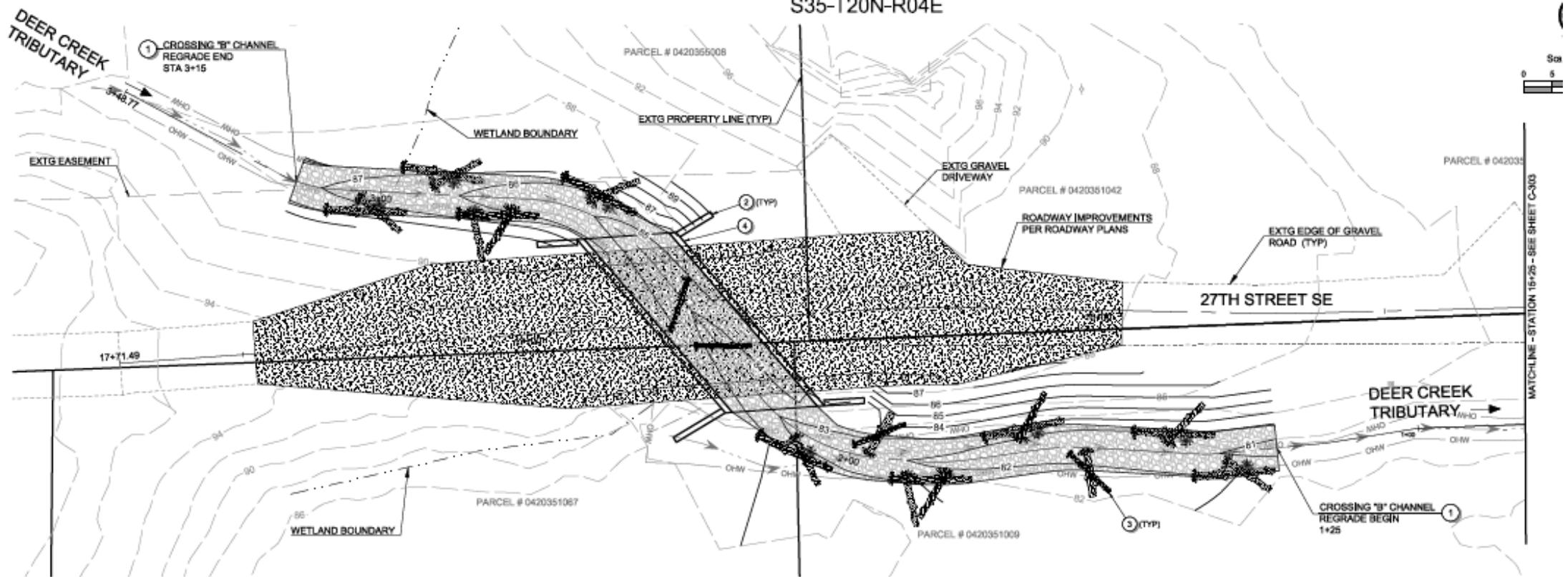
Figure 12. Computed 10-Year Peak Flood Inundation Limits with Addition of Floodplain Storage Area

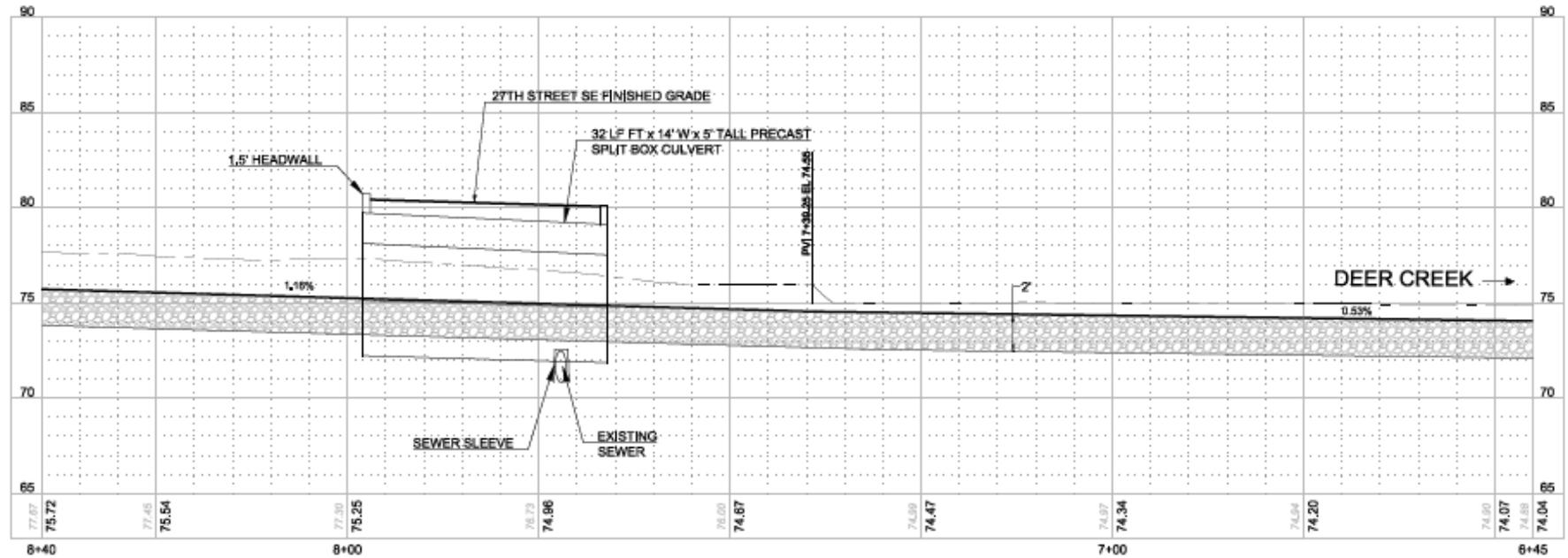
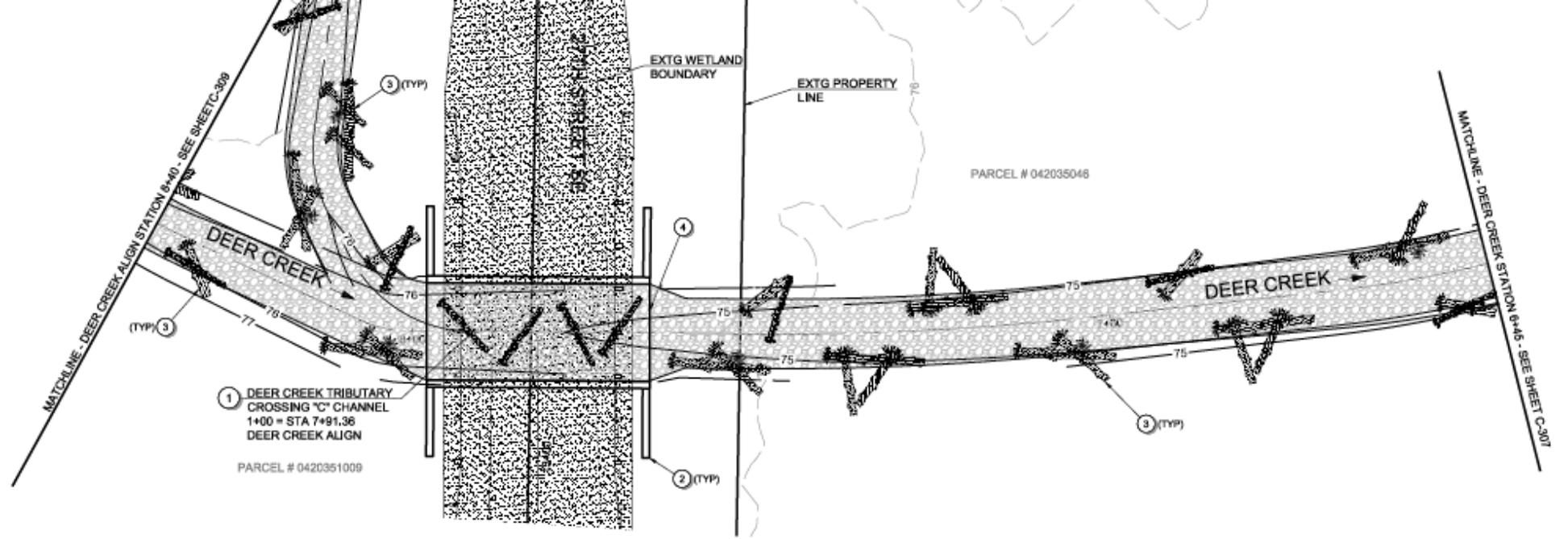
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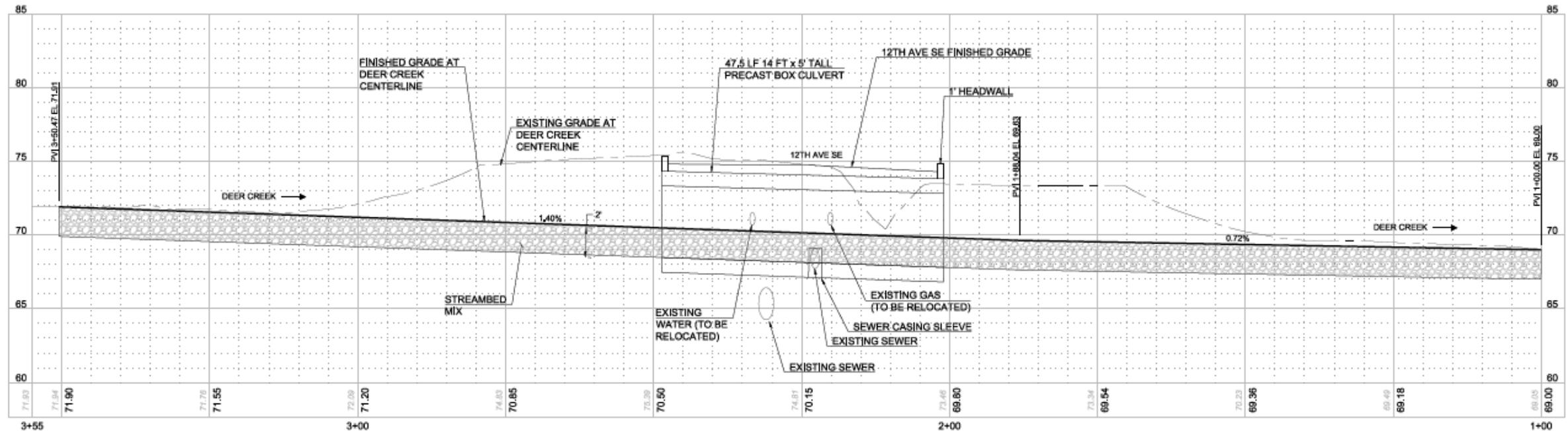
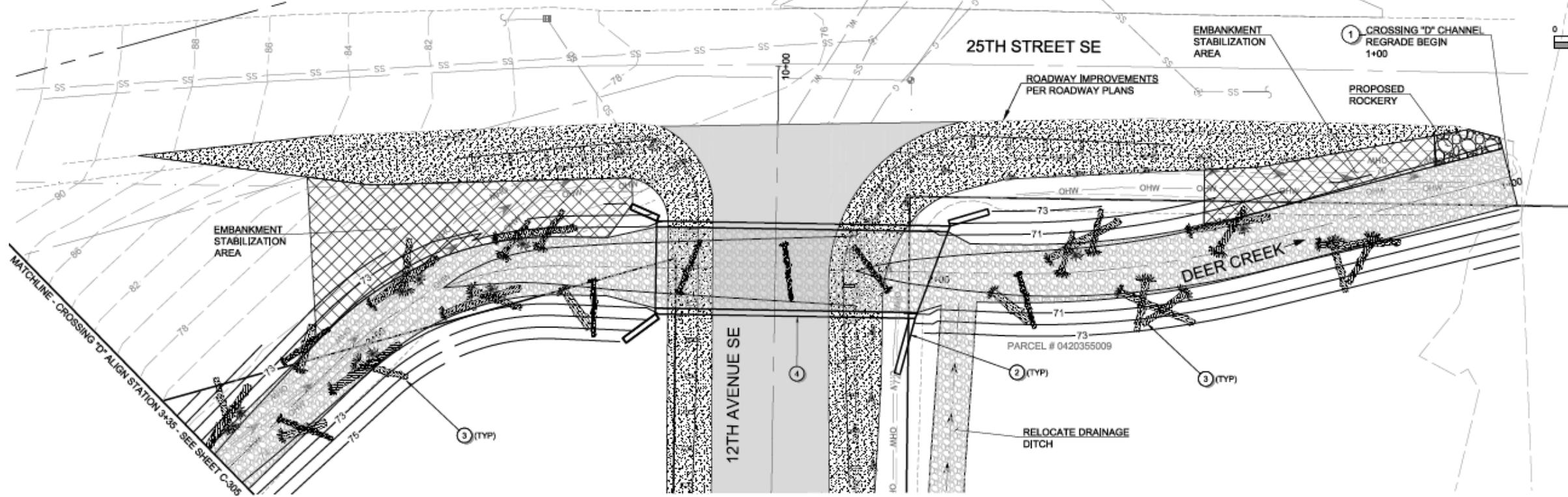


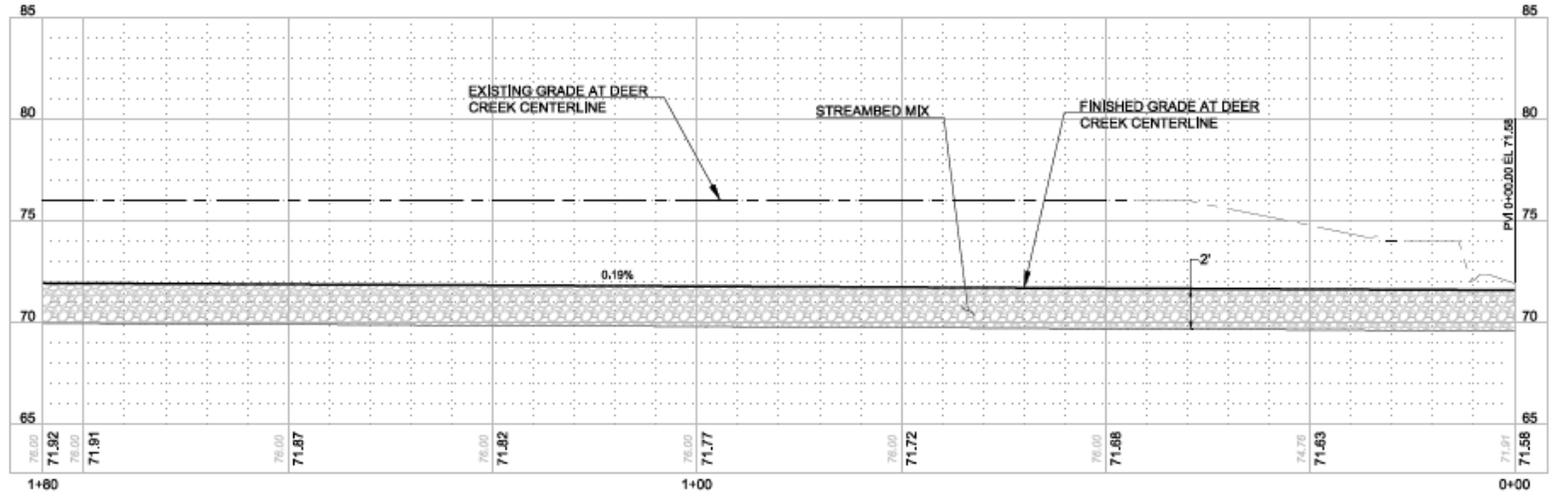
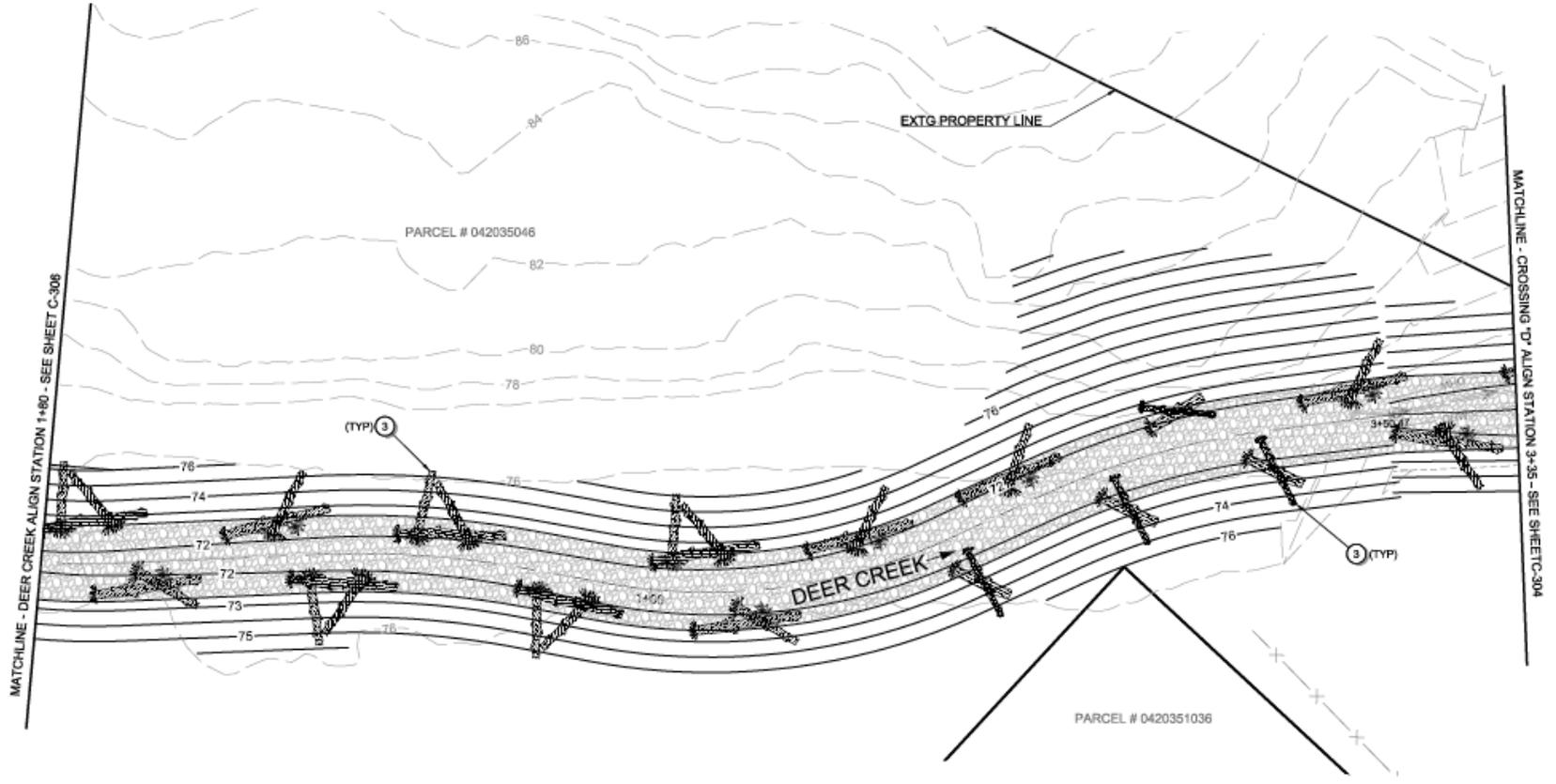
Scale 1" = 10'
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Opportunities for Funding/Collaboration

- 12th and Deer Creek
 - Streamflow restoration grant
 - Building Resilient Infrastructure and Communities (BRIC) grant
 - Nonpoint grant
- Ultimately, Streamflow restoration grant. \$8.7 million.

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