

California High-Speed Rail Authority

Palmdale to Burbank *Project Section*

Draft Environmental Impact Report/
Environmental Impact Statement

Appendix 3.8-A Hydrology and Water
Resources Figures

August 2022



The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

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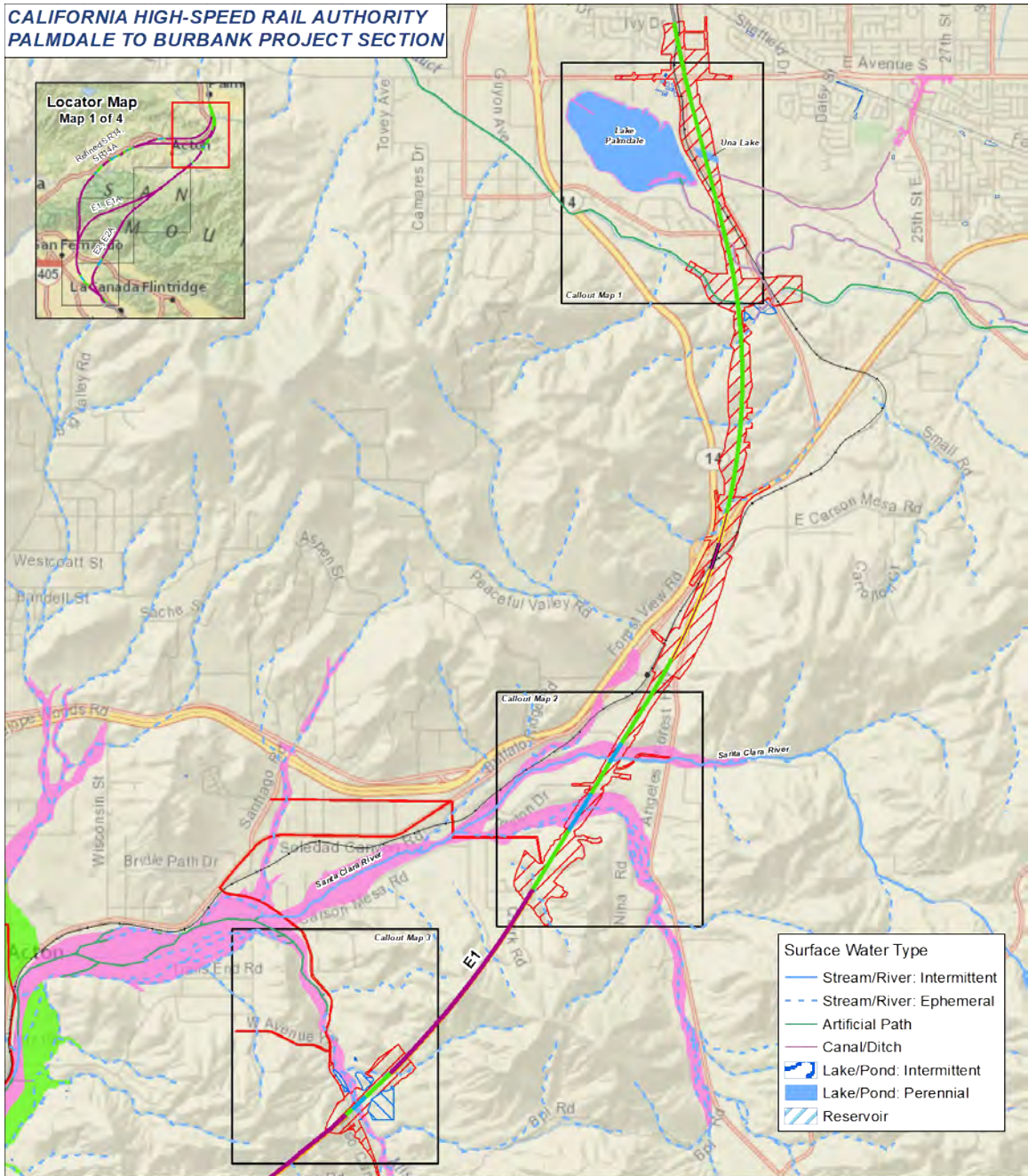
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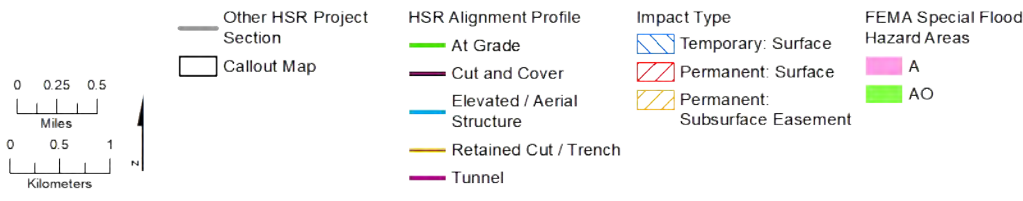
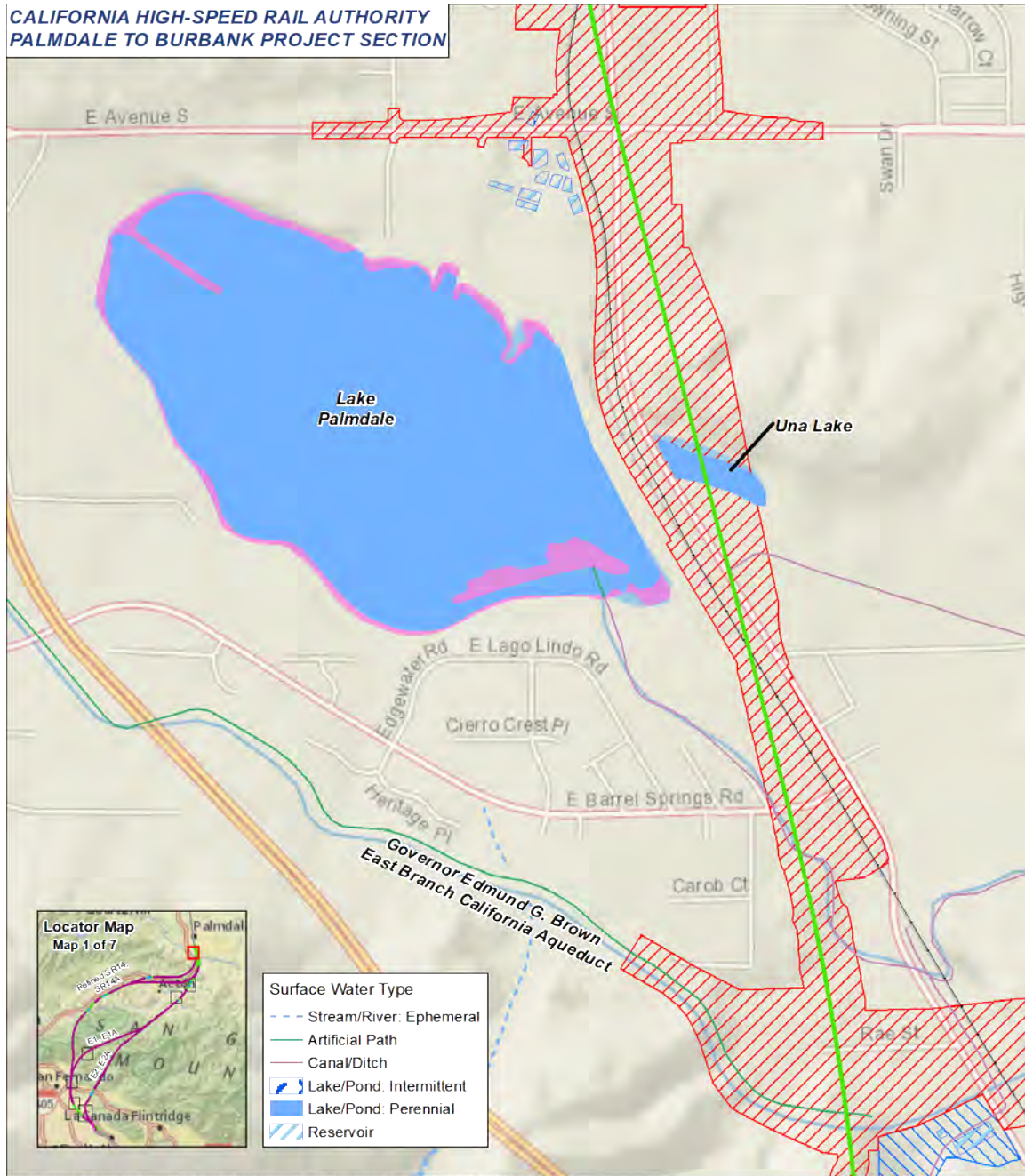


Figure 3.8-A-55 E1 Palmdale/Central Subsections Surface Waters Overview (Map 1 of 4)



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 Source: HSR Authority, 12020; USGS NHD, 2016; National Geographic, 2021
 April 12, 2021

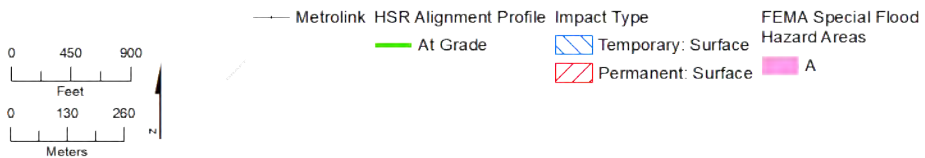


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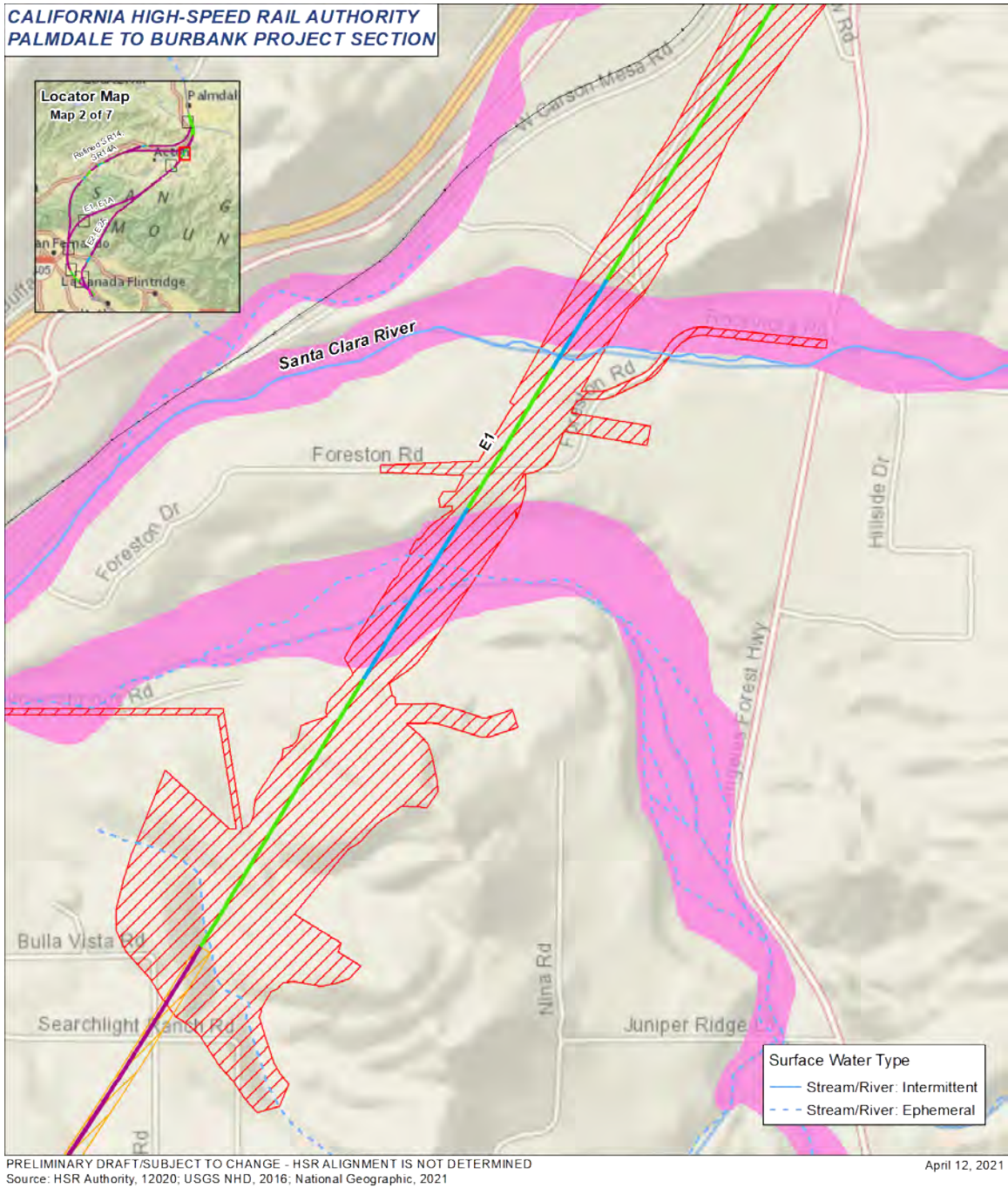
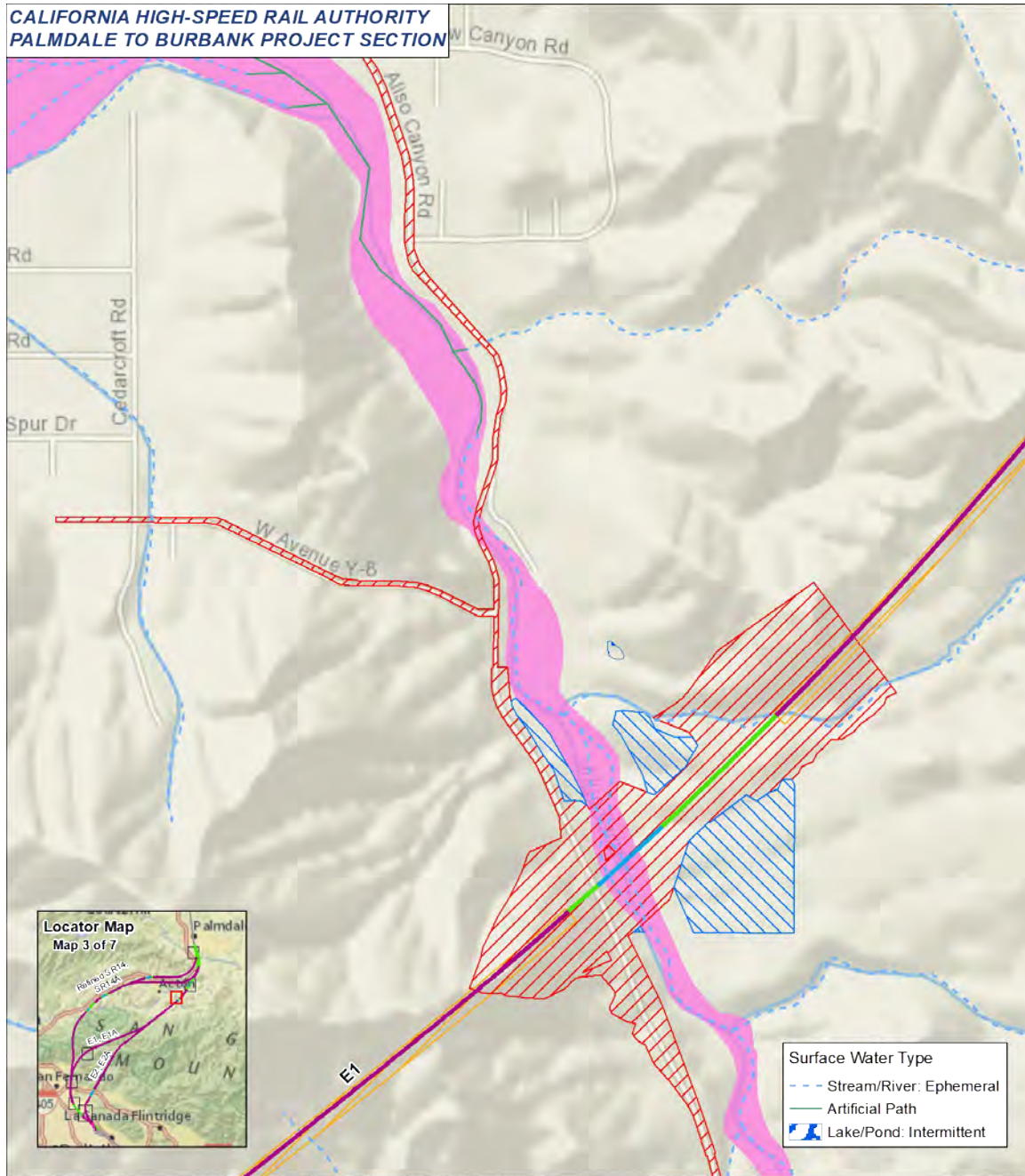


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 Source: HSR Authority, 12020; USGS NHD, 2016; National Geographic, 2021
 April 12, 2021

	HSR Alignment Profile At Grade Elevated / Aerial Structure Tunnel	Impact Type Temporary: Surface Permanent: Surface Permanent: Subsurface Easement	FEMA Special Flood Hazard Areas A
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Figure 3.8-A-58 E1 Palmdale/Central Subsections Surface Waters Callout (Map 4 of 4)

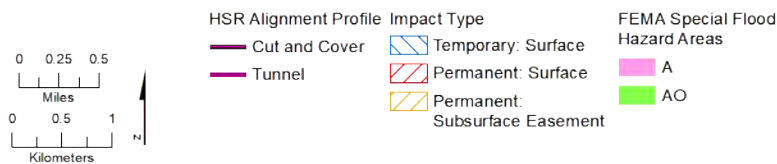
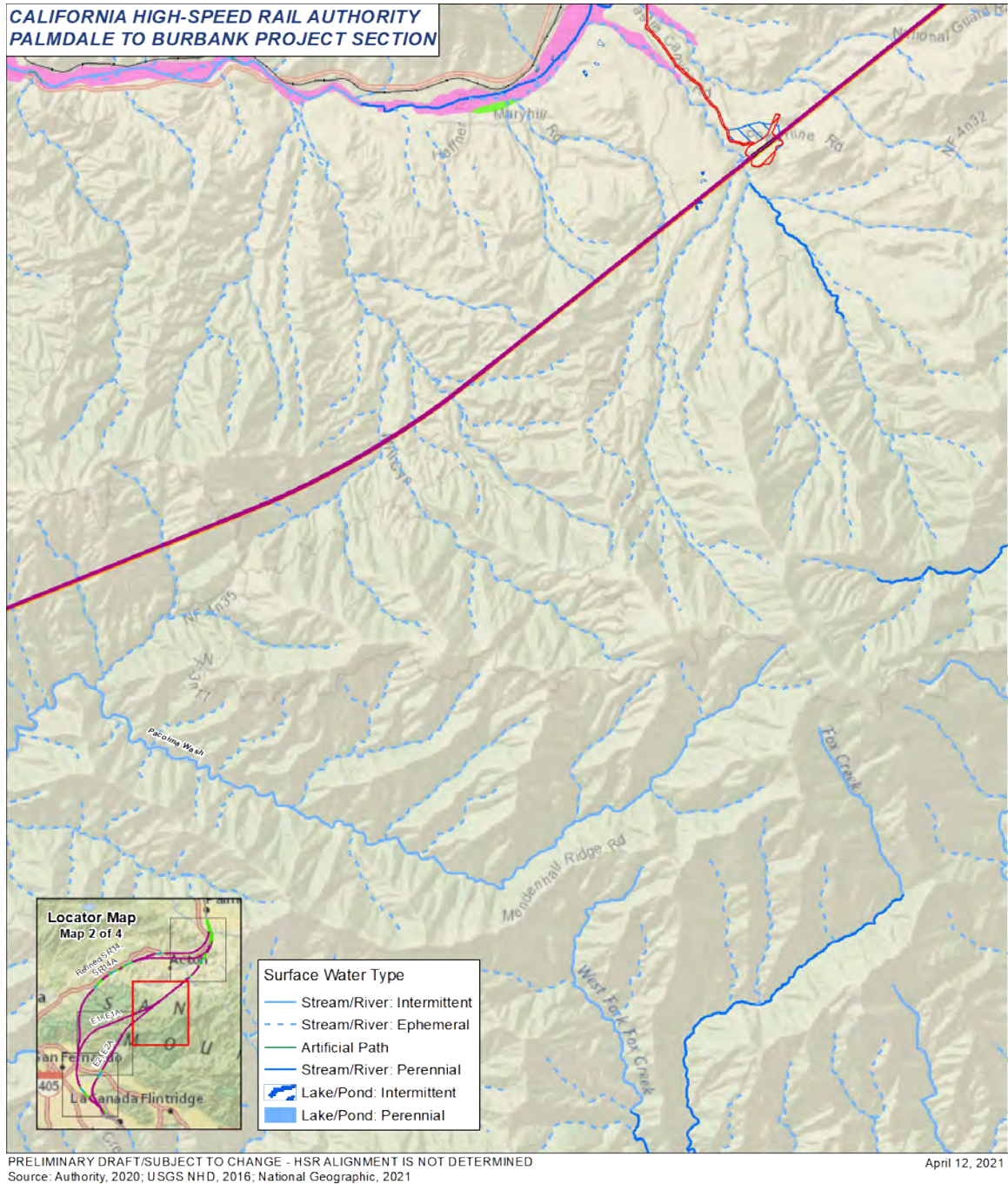


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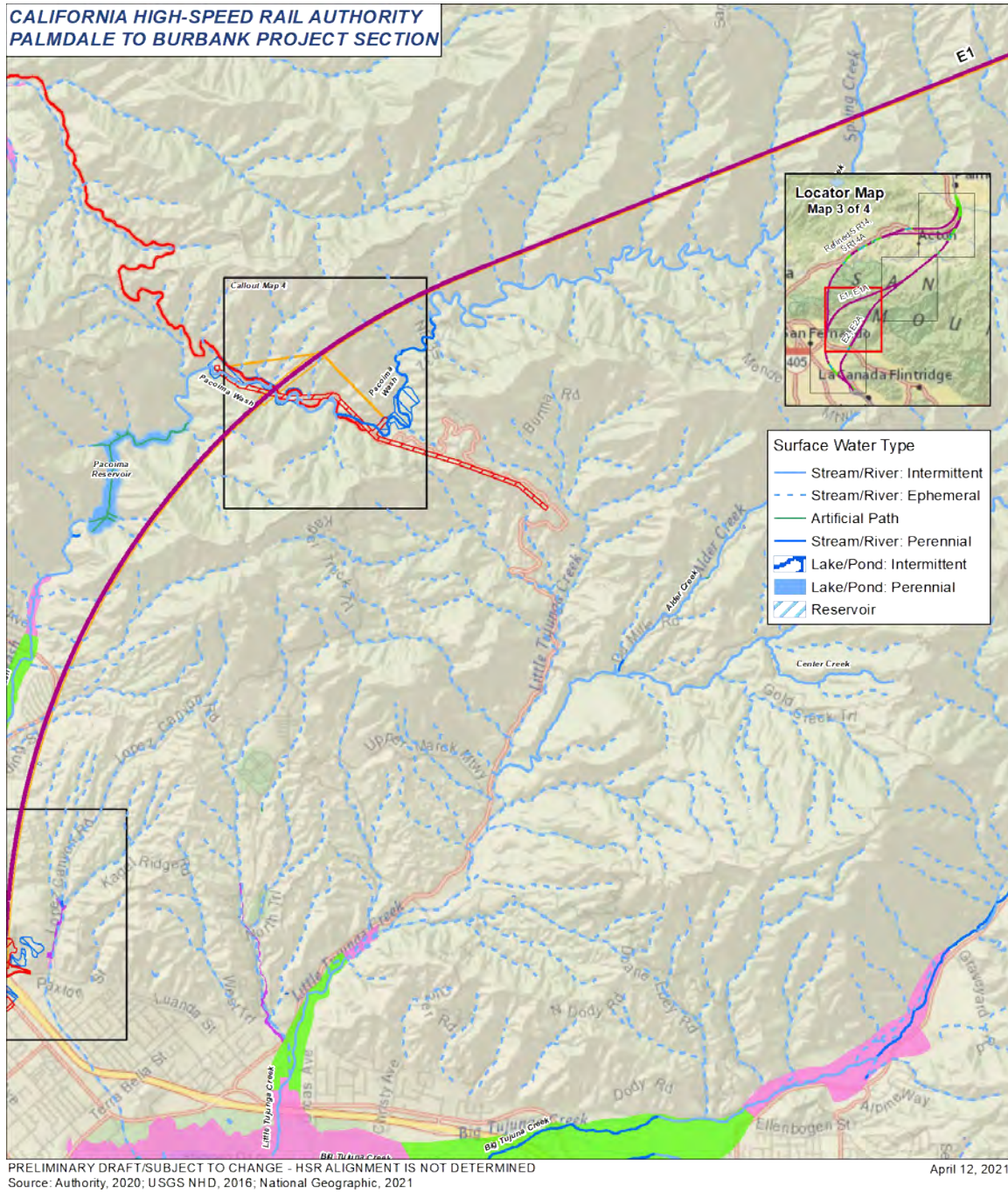


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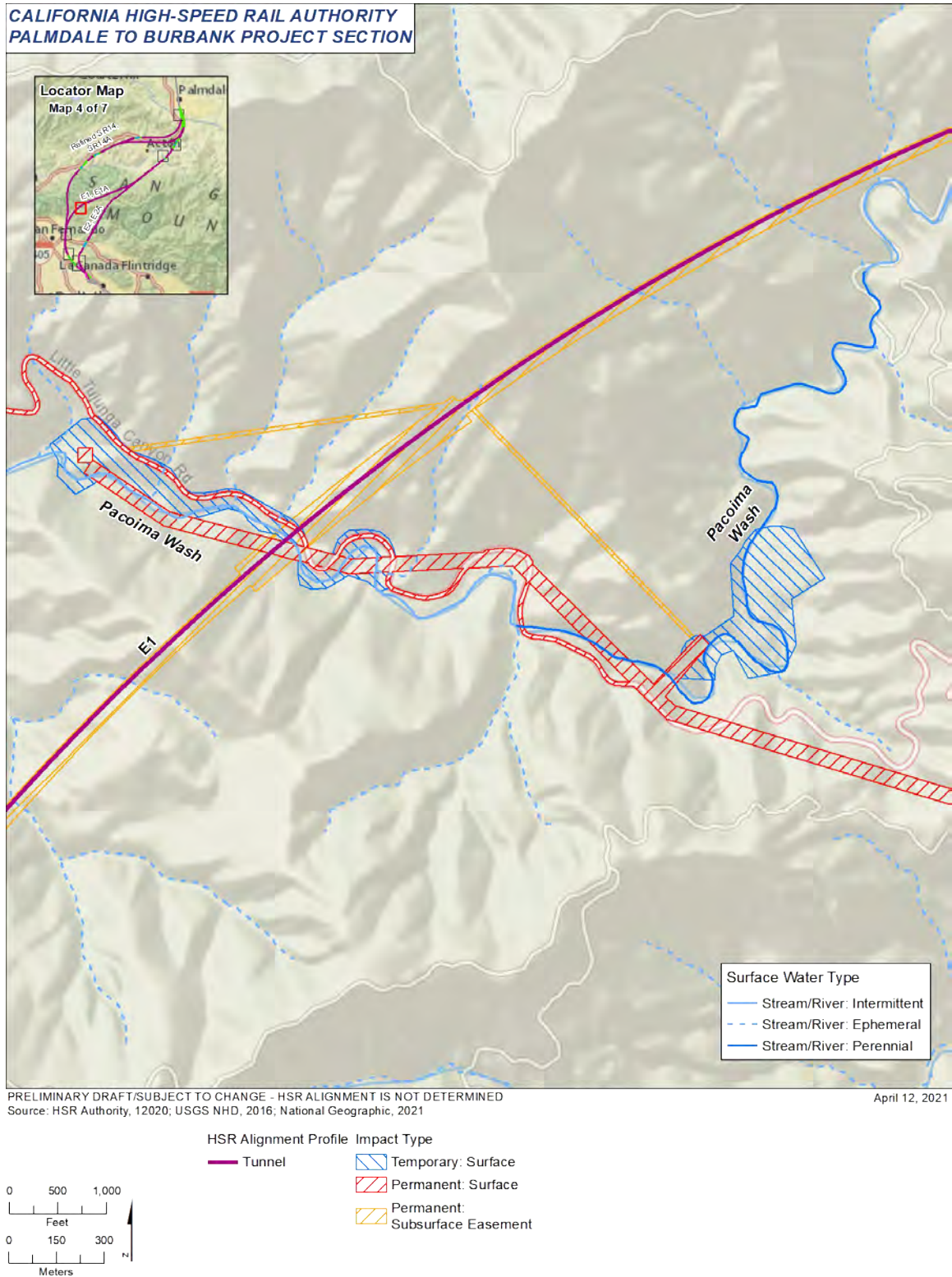


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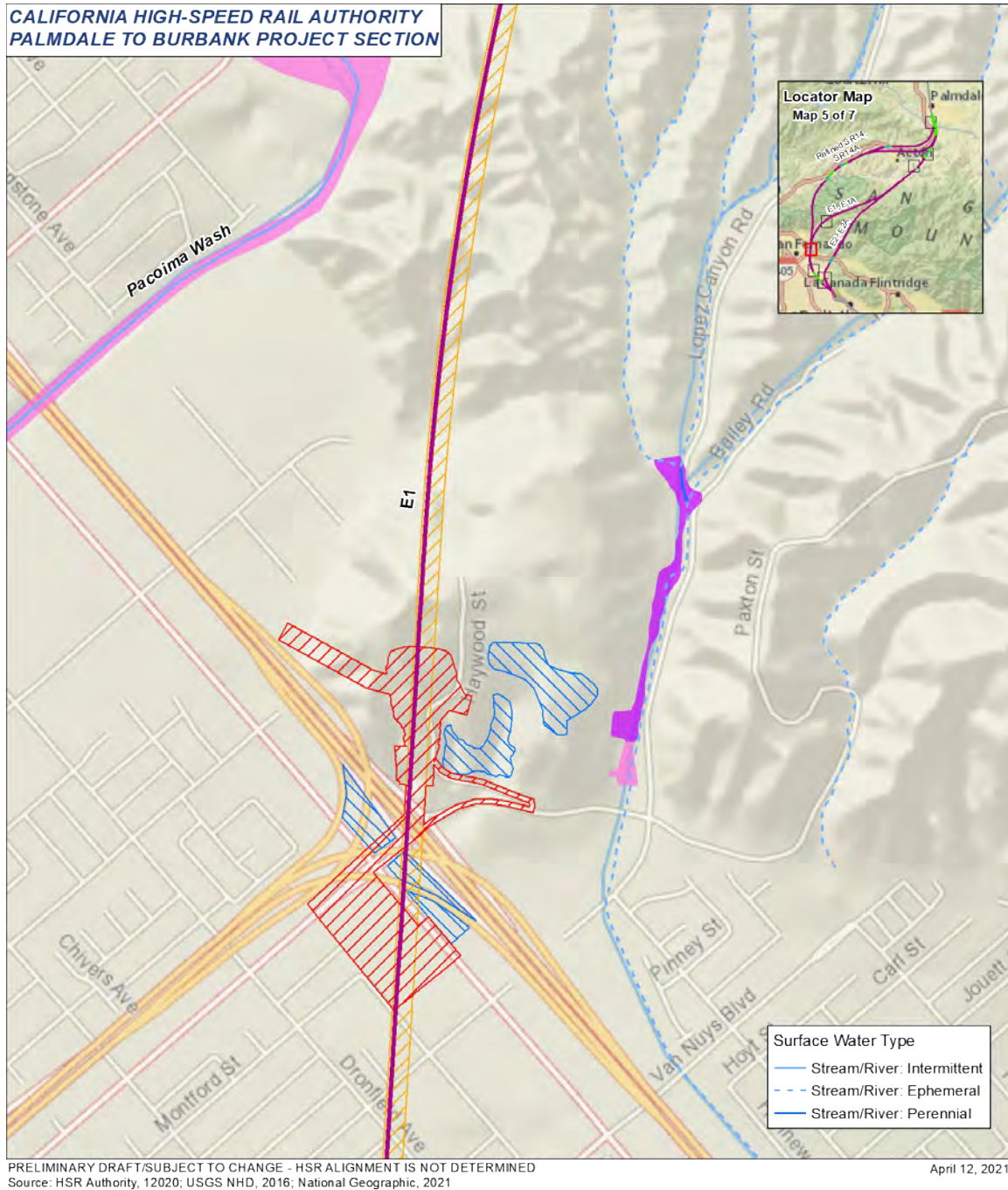


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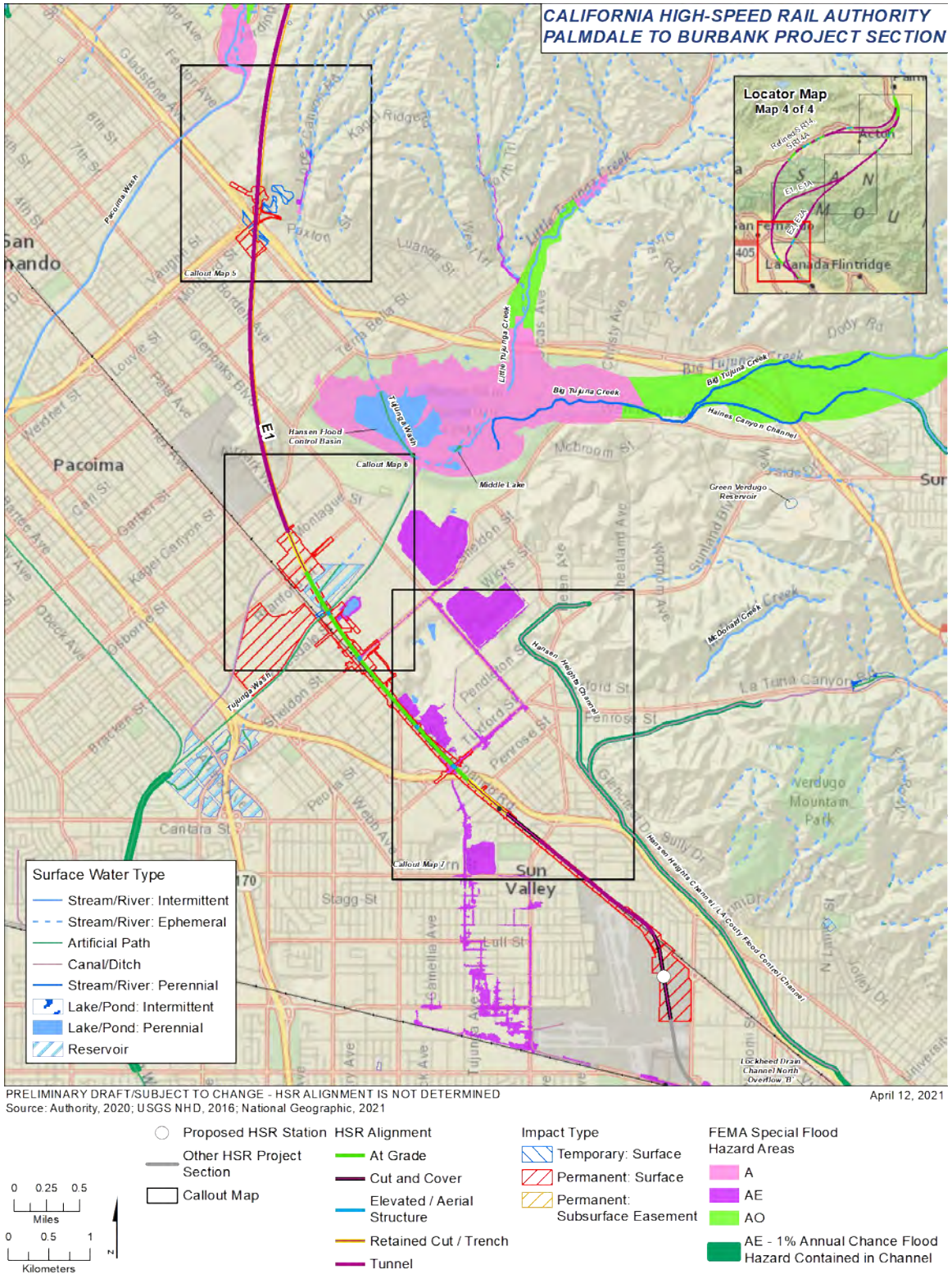


Figure 3.8-A-63 E1 Central/Burbank Subsections Surface Waters Overview (Map 1 of 3)

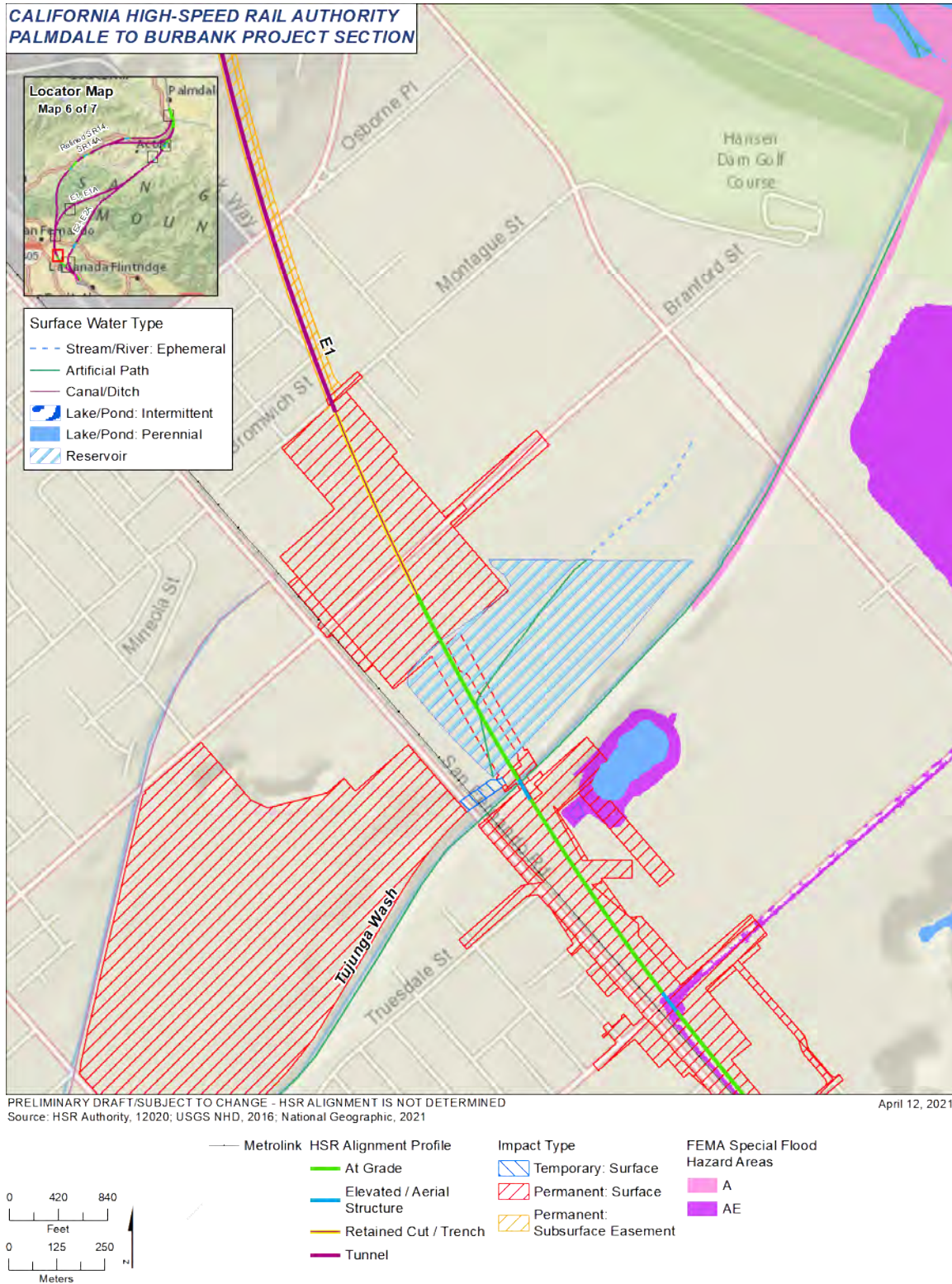


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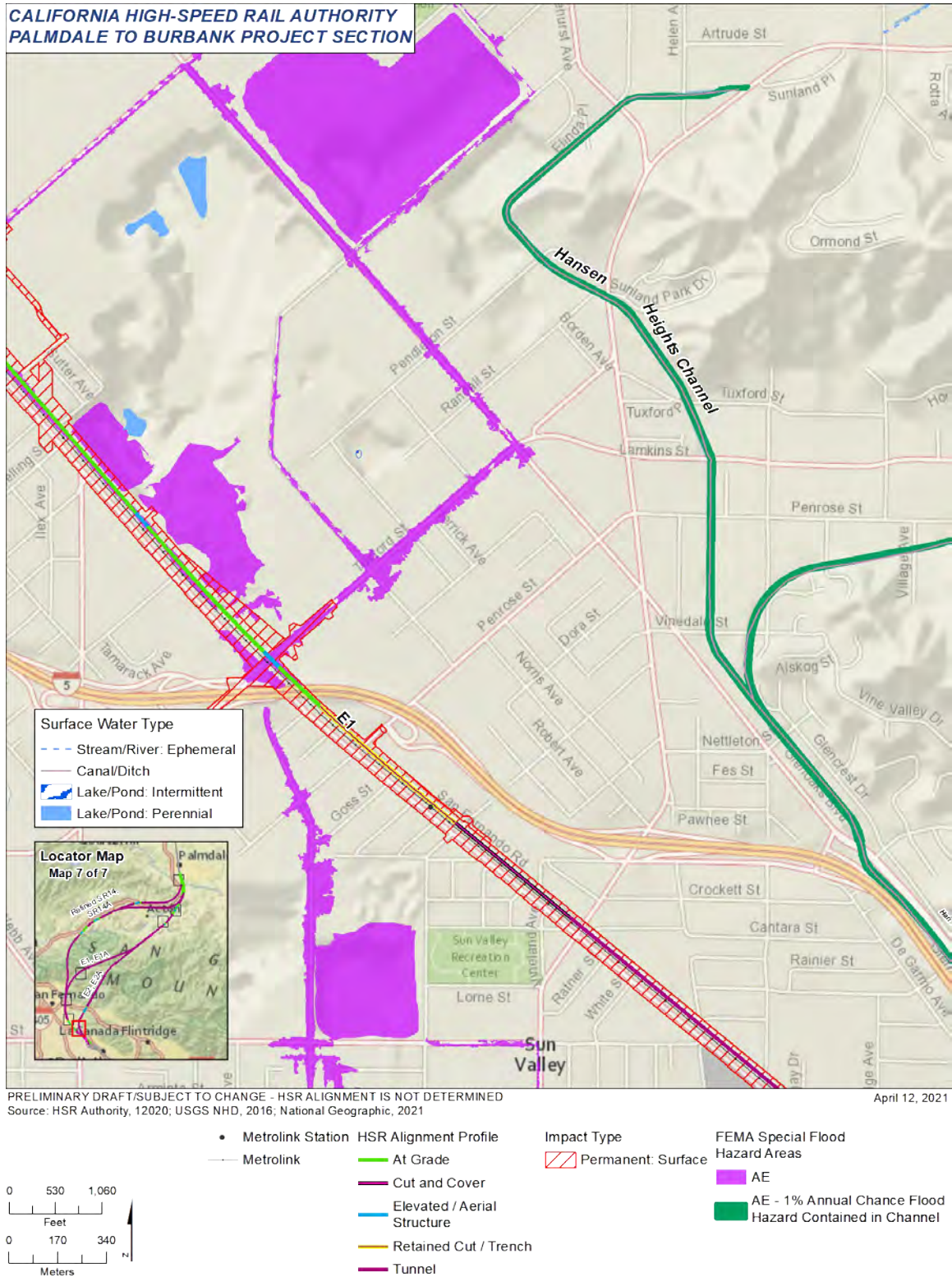


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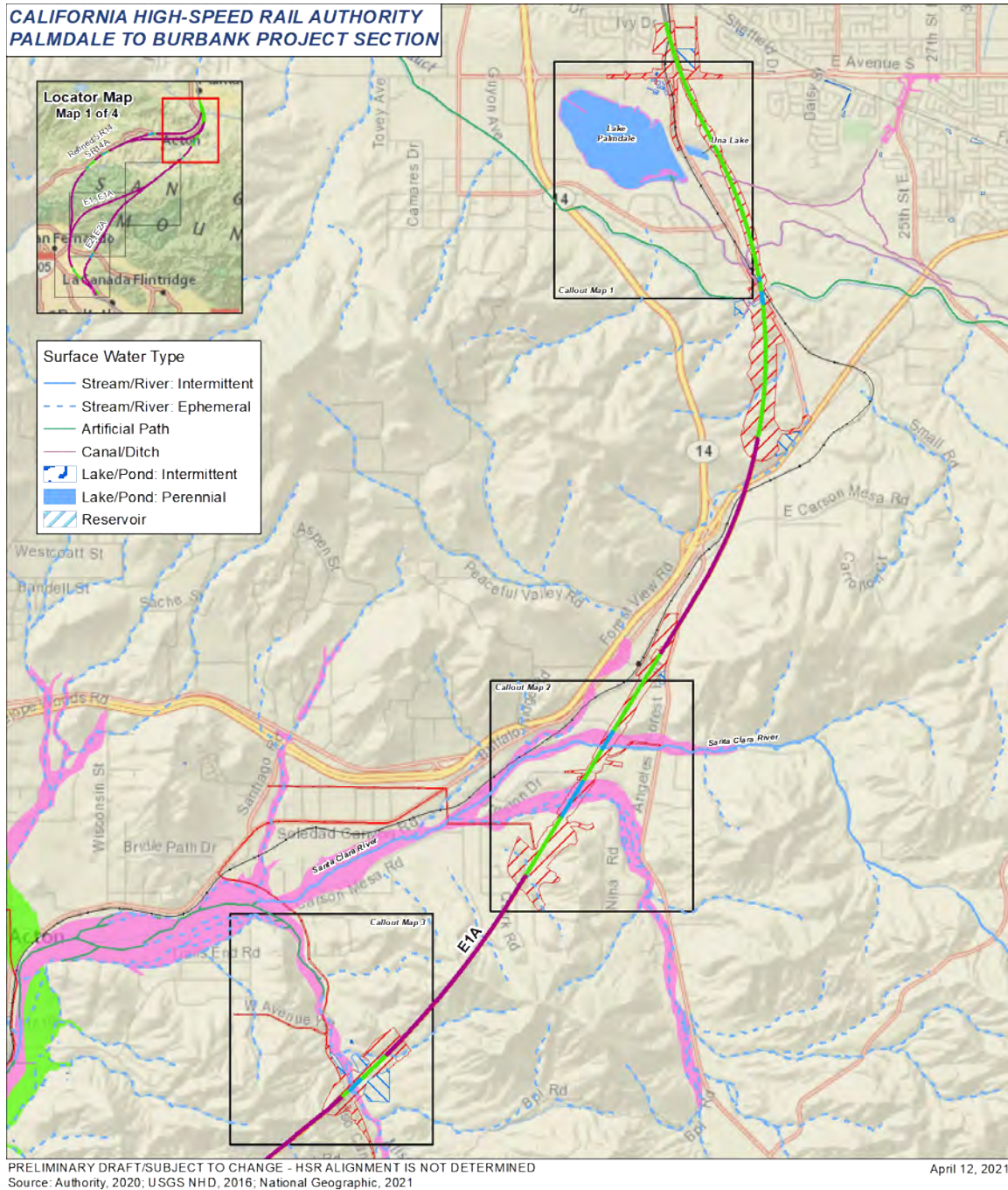


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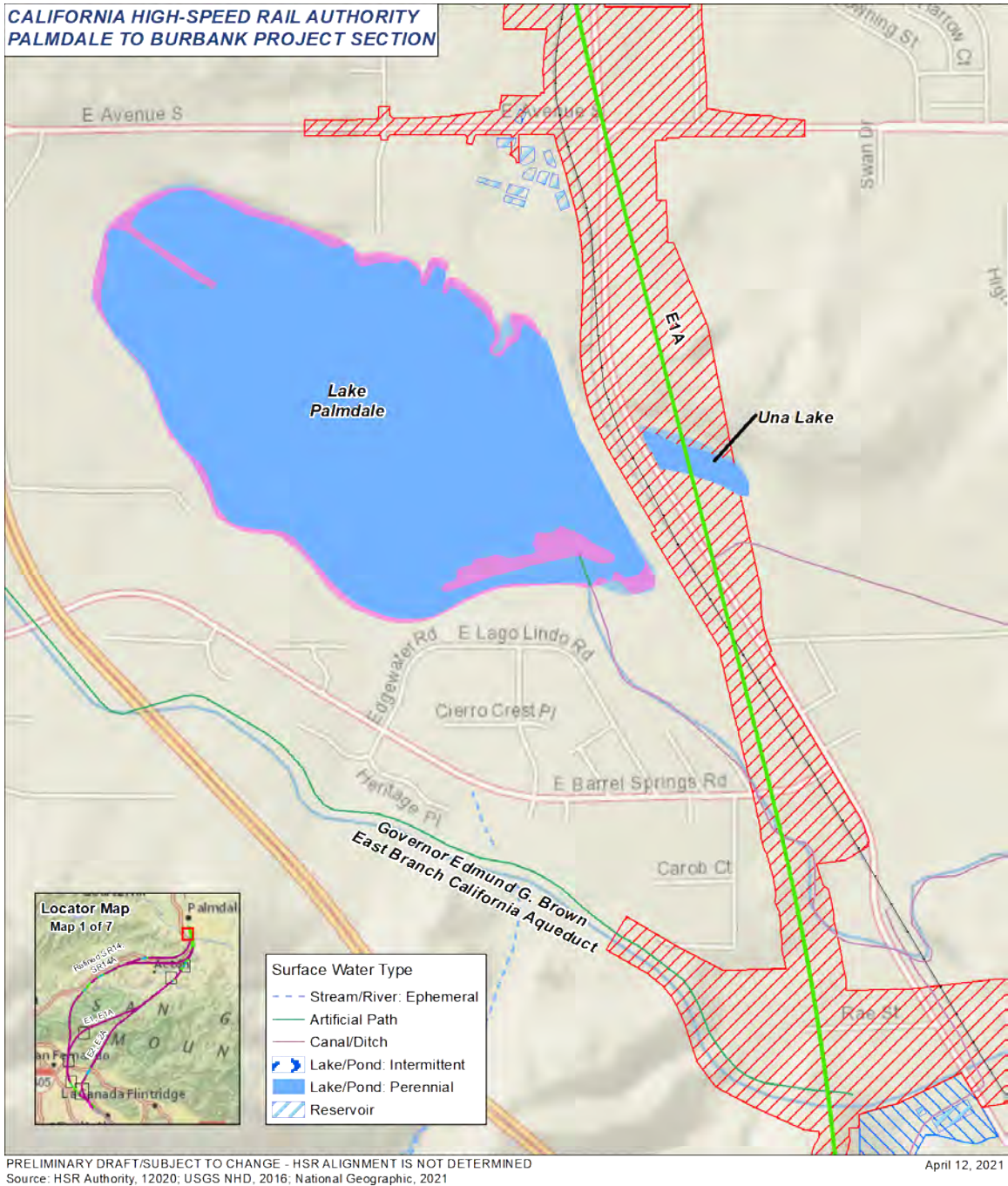


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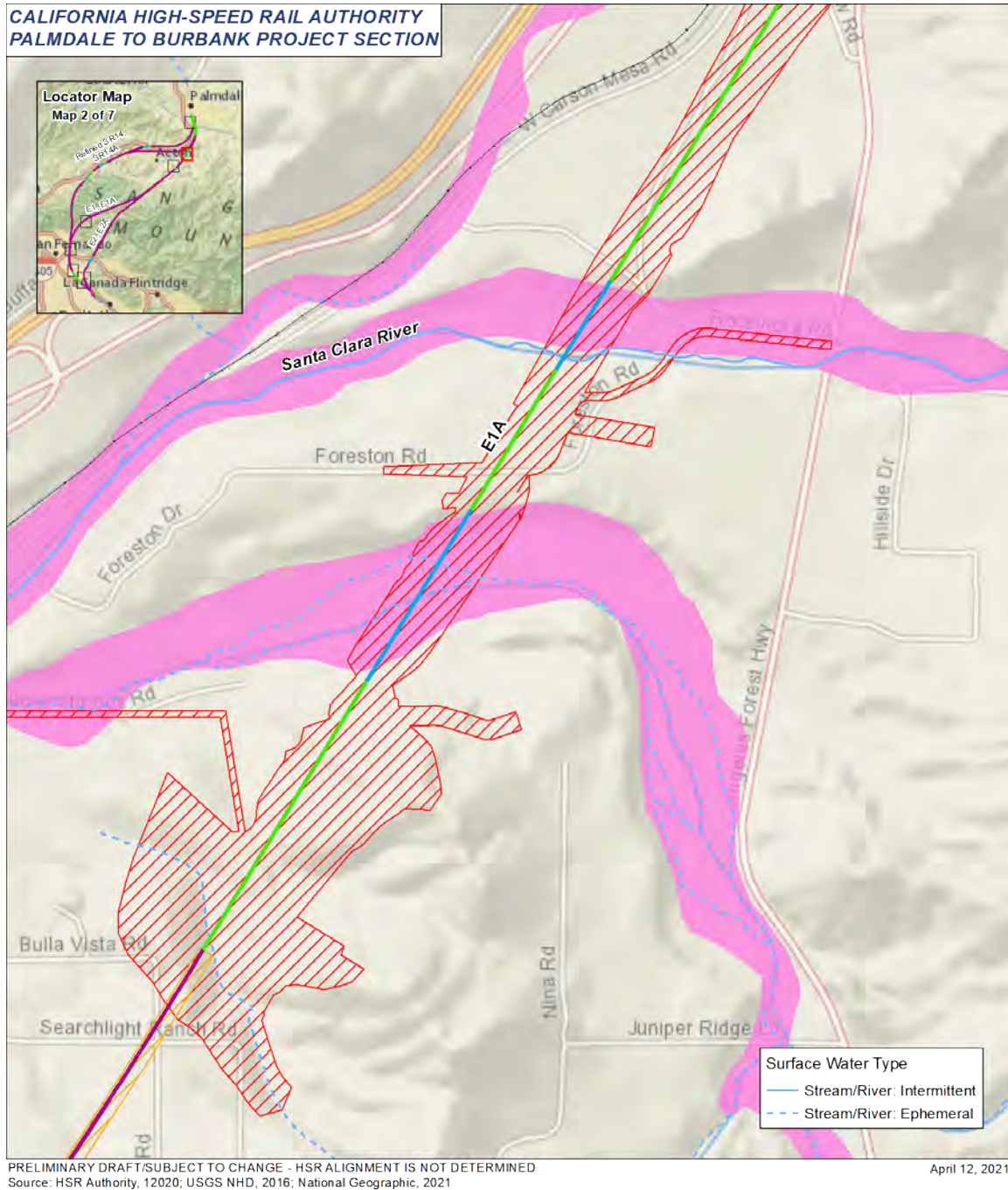


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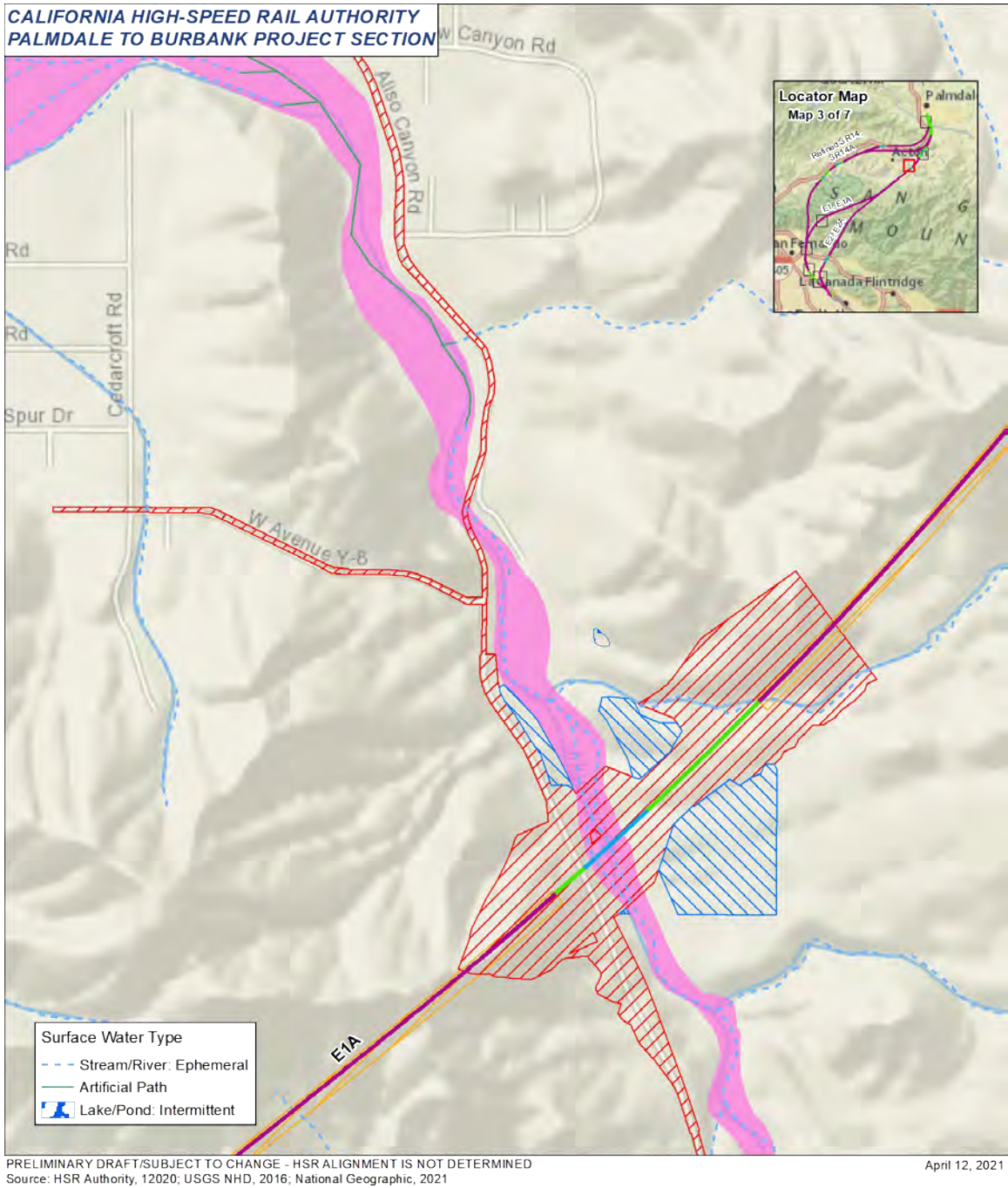
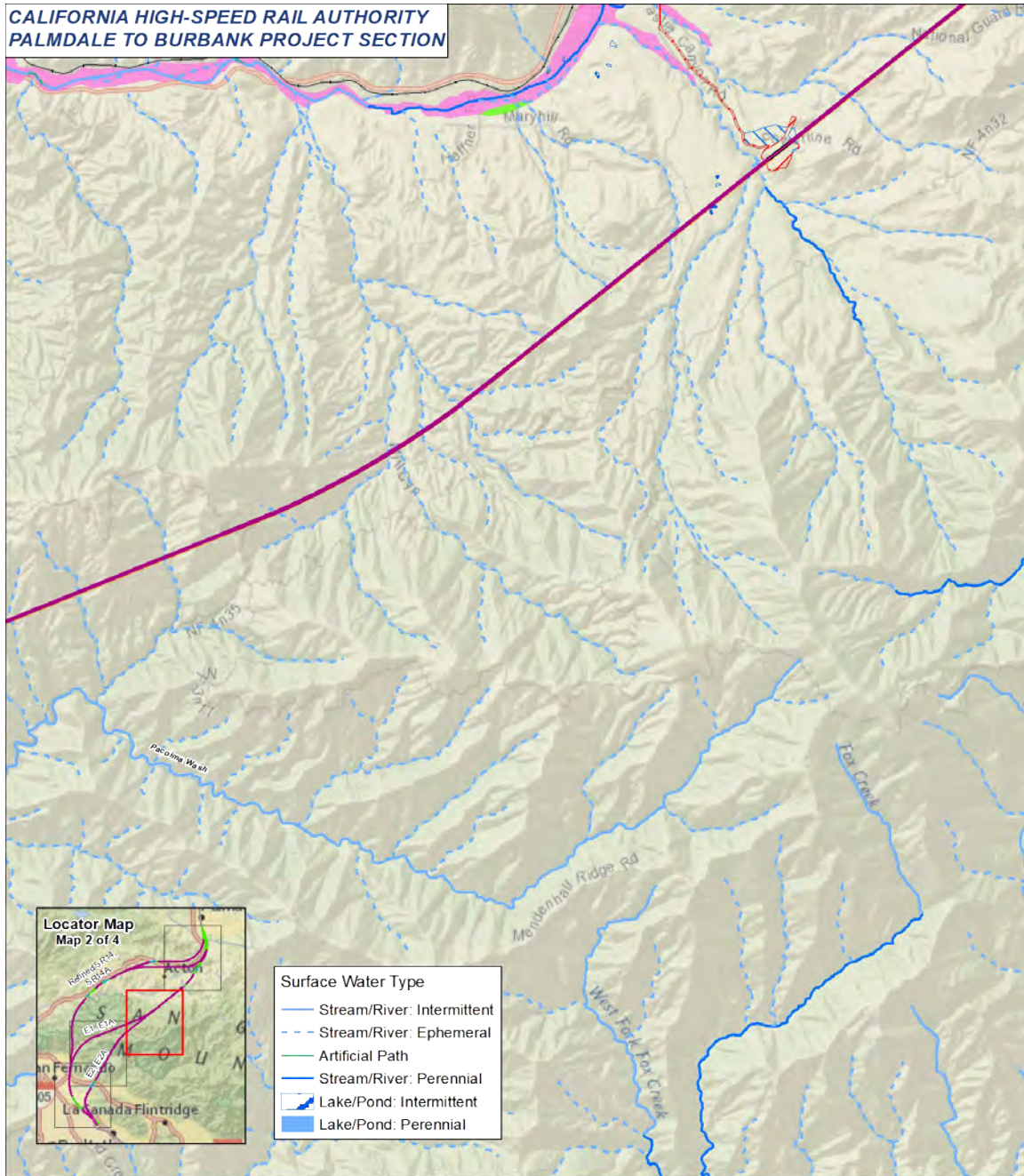


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 Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021

April 12, 2021

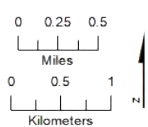
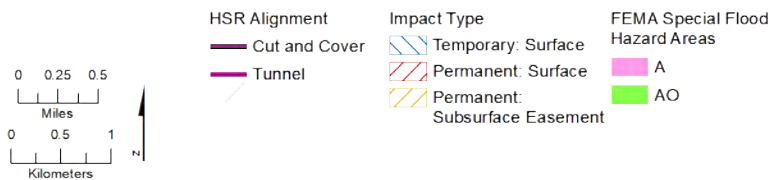
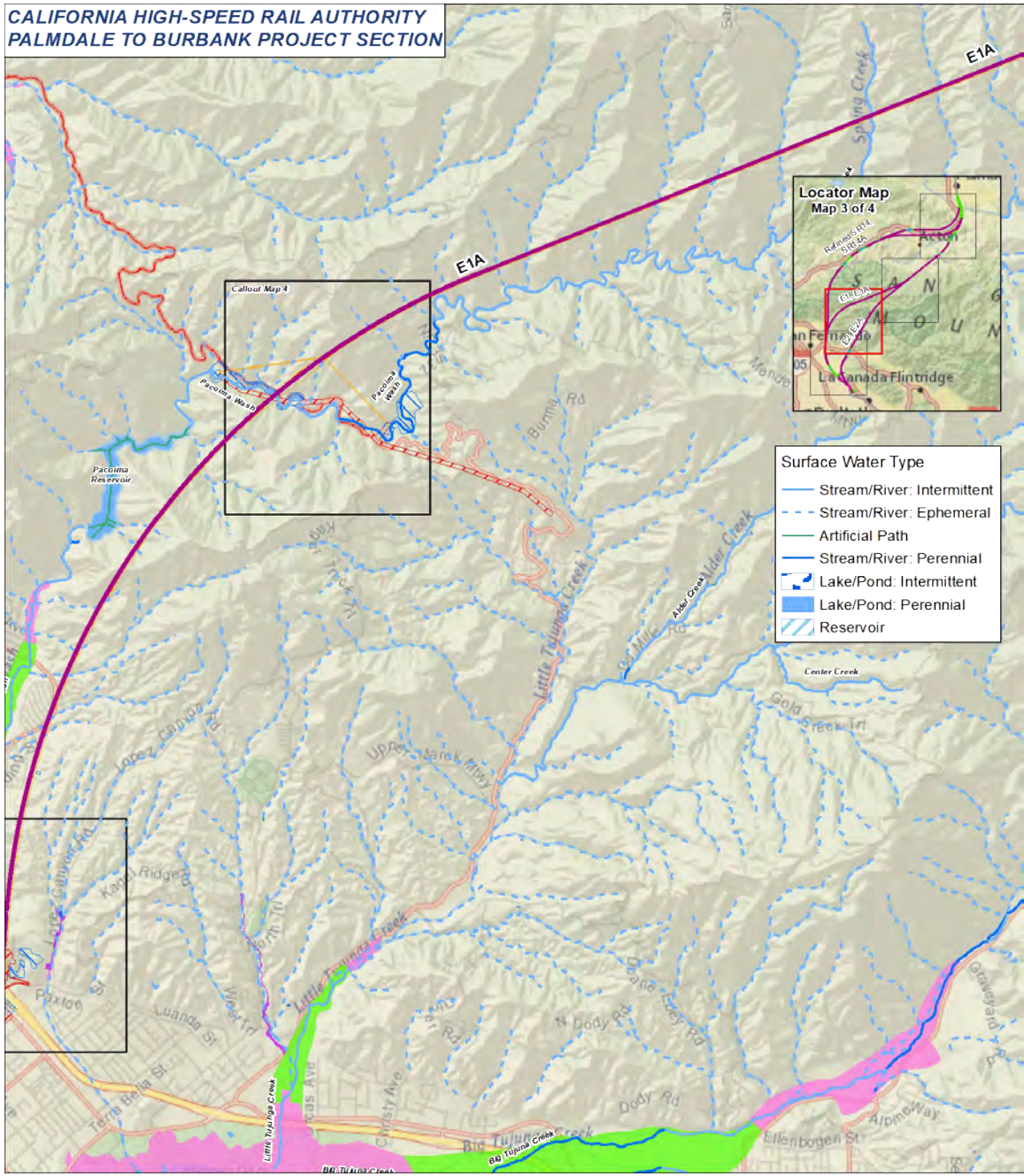


Figure 3.8-A-70 E1A Central Subsection Surface Waters Overview Map



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 Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021
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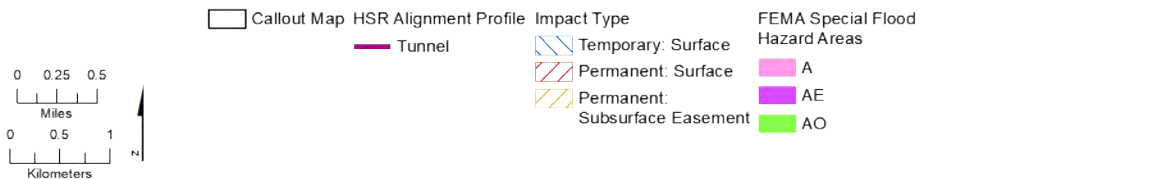


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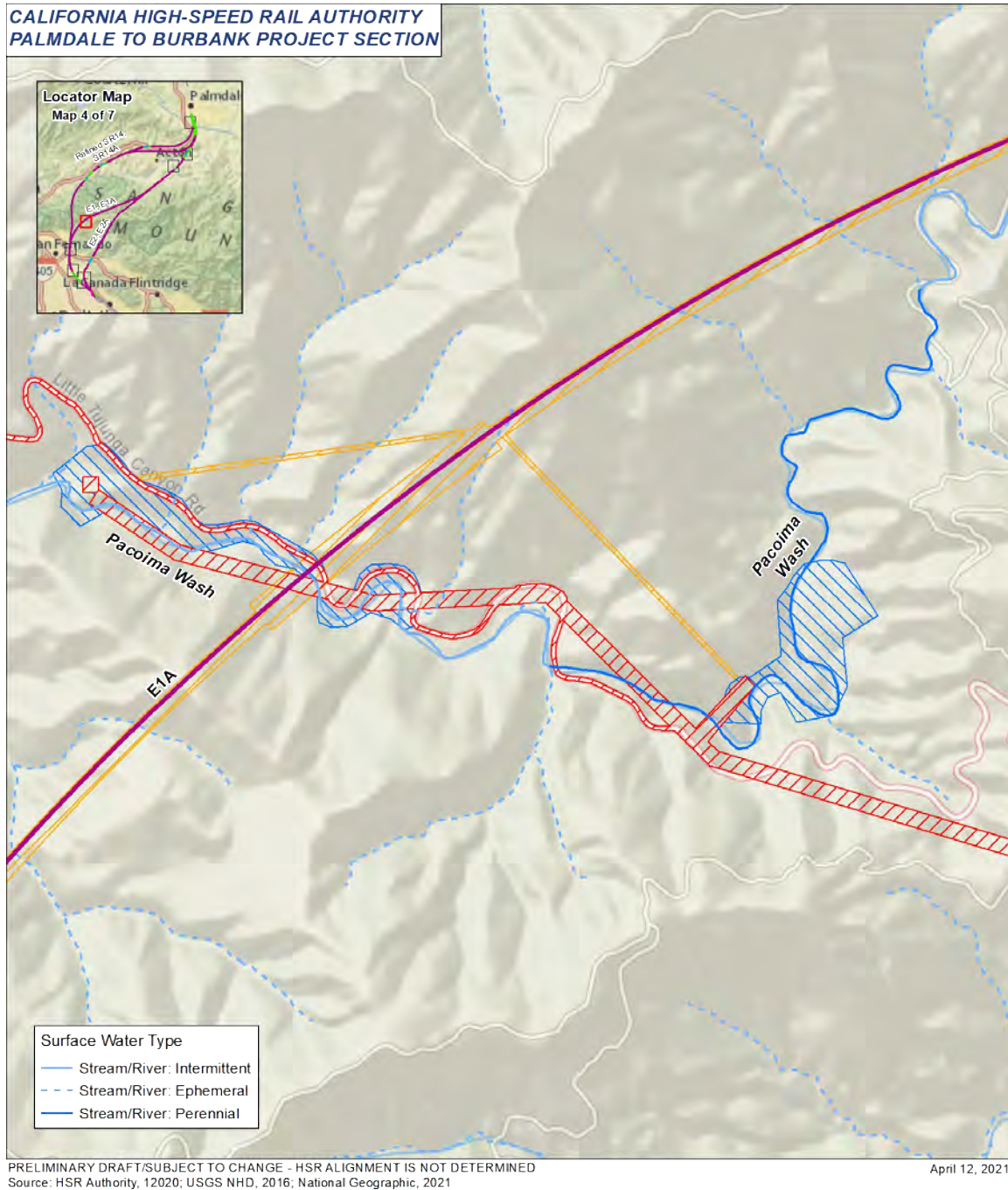


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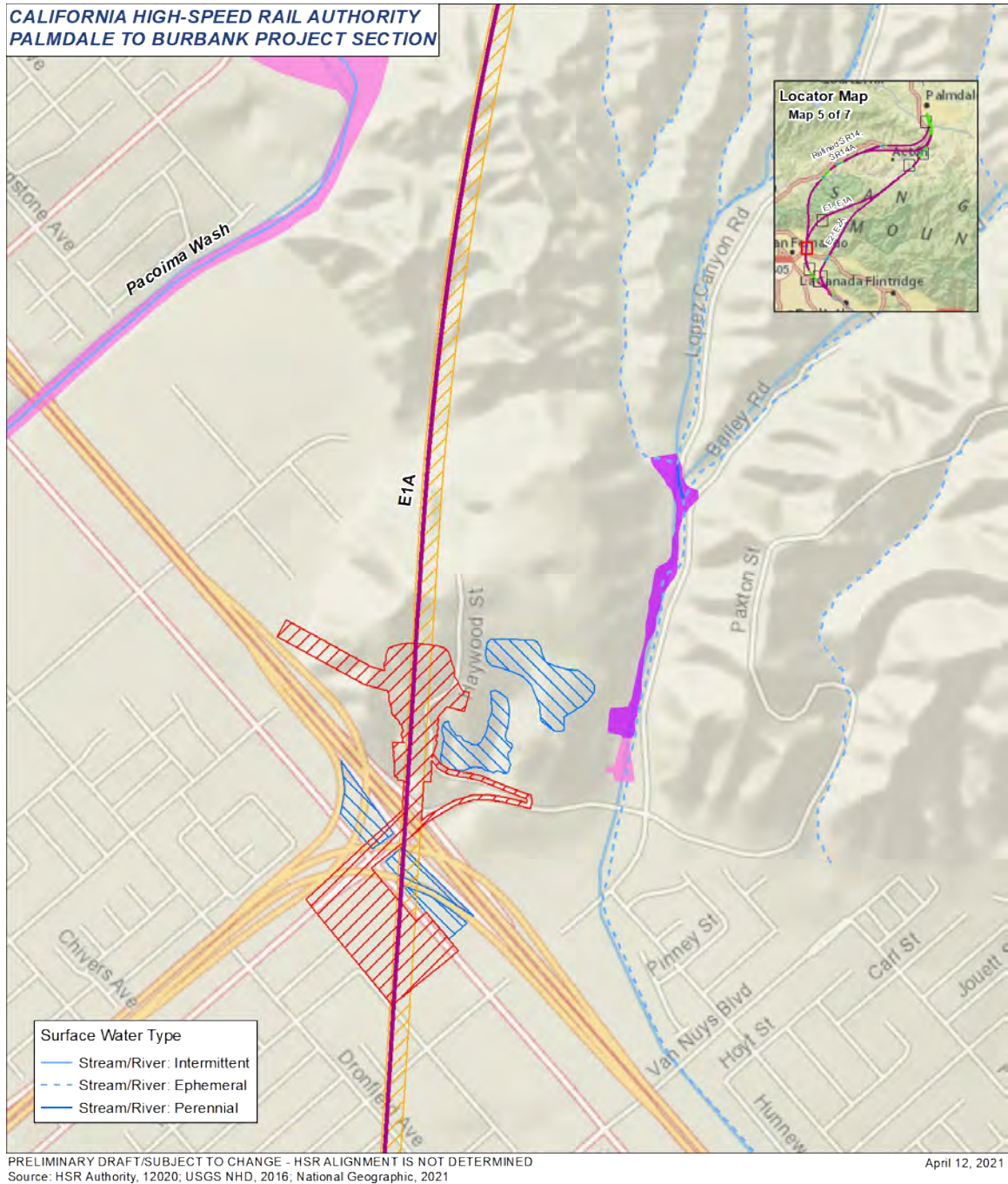


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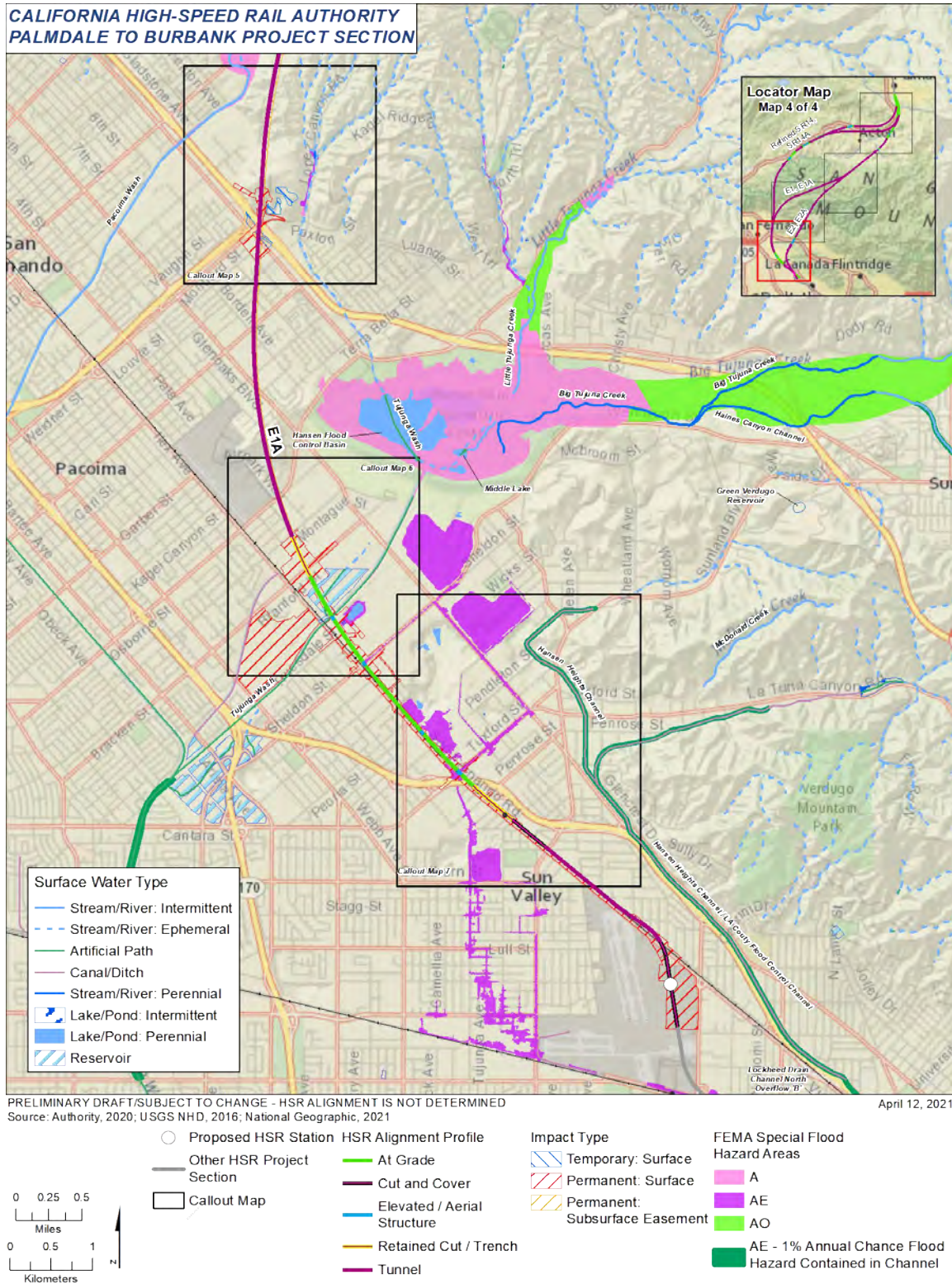


Figure 3.8-A-74 E1A Central/Burbank Subsections Surface Waters Overview (Map 1 of 3)

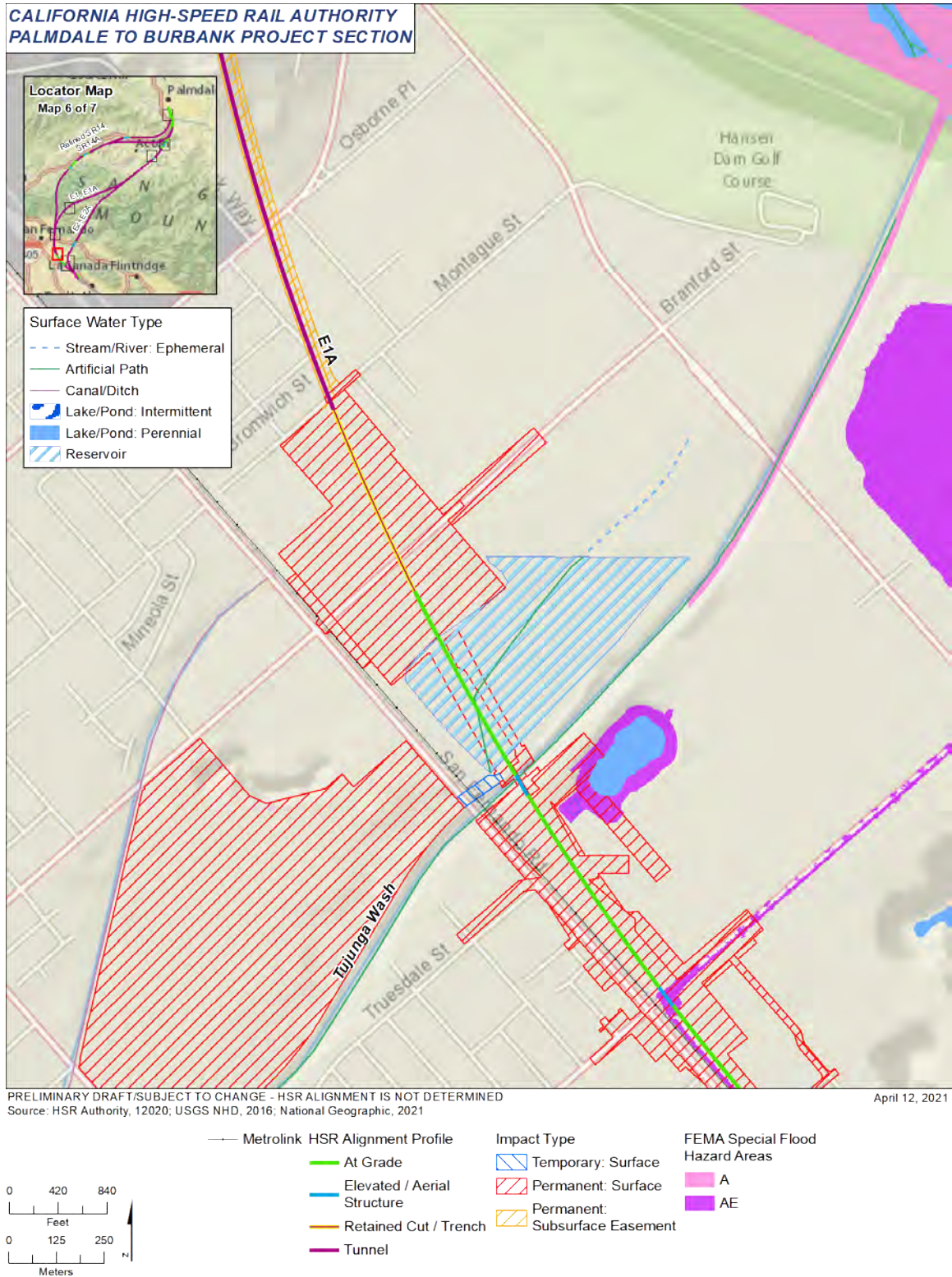


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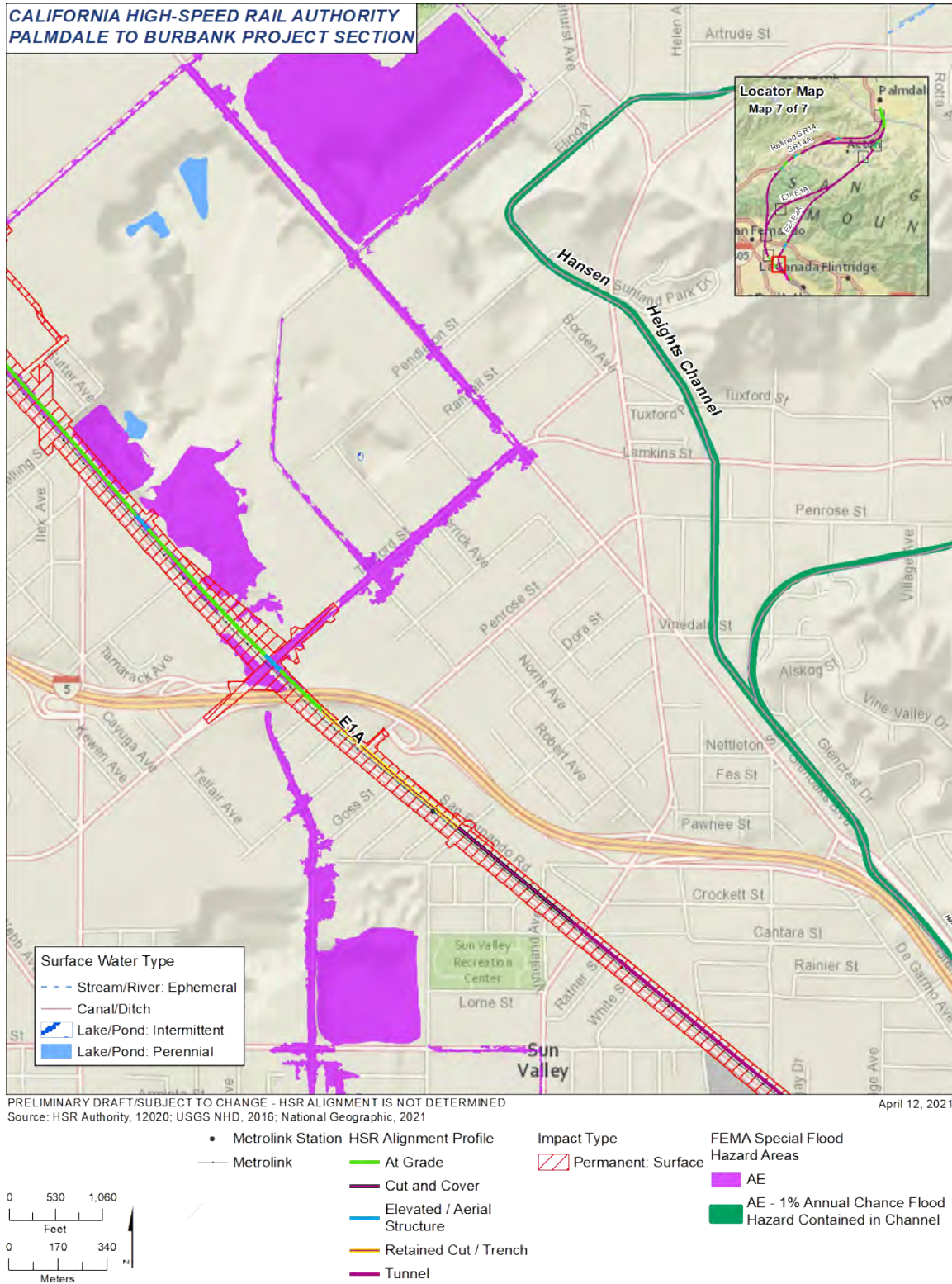


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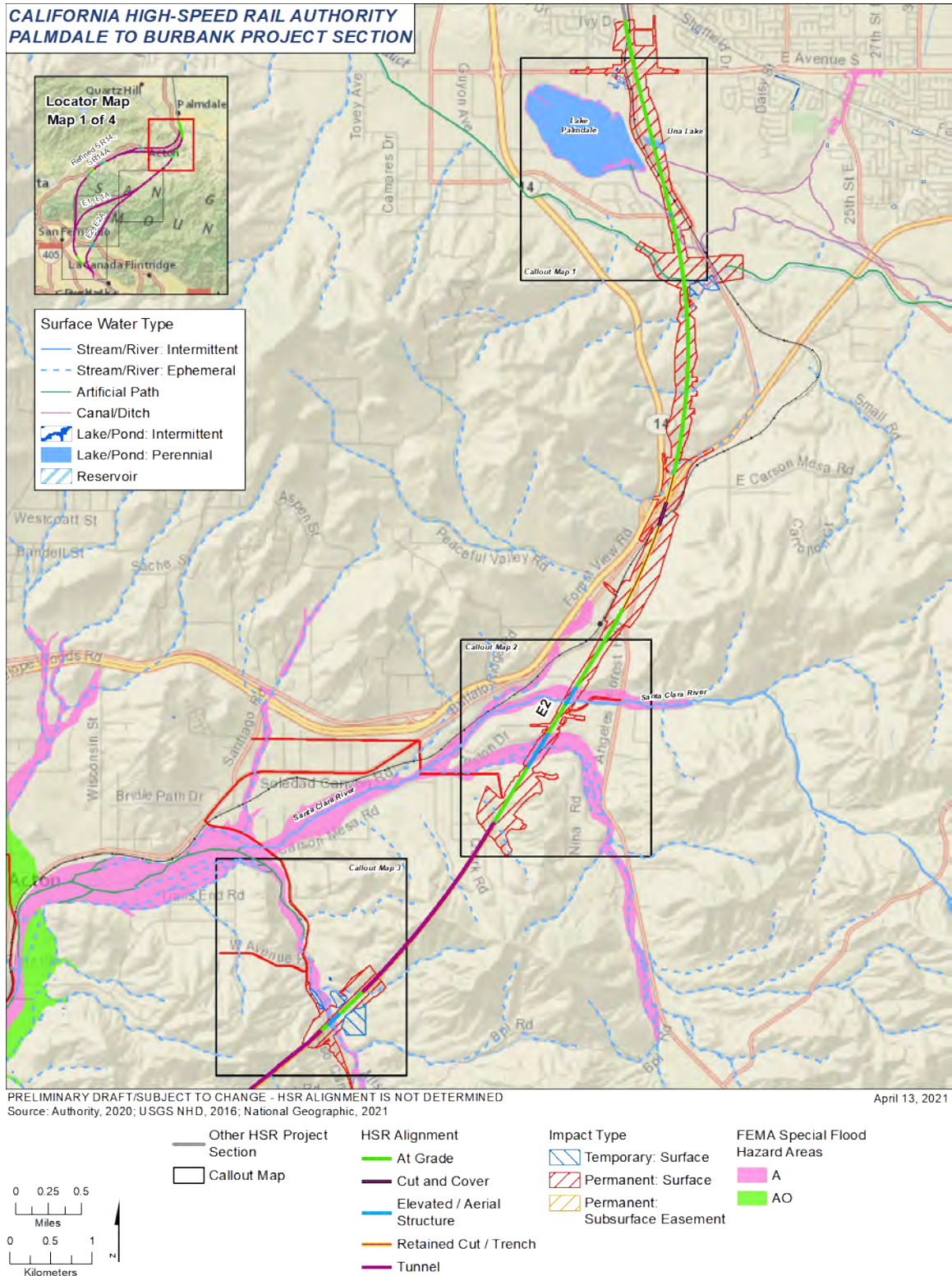
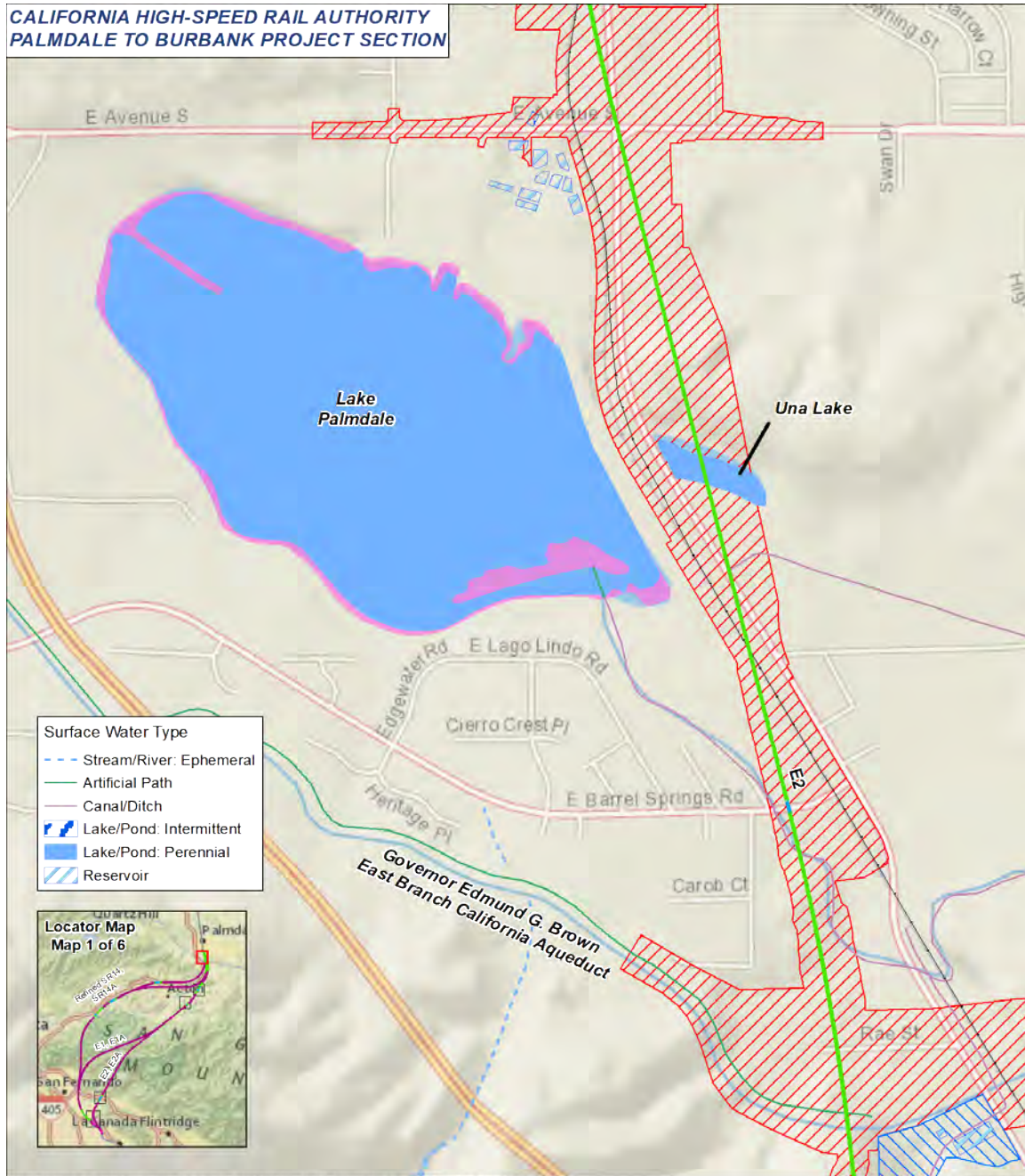


Figure 3.8-A-77 E2 Palmdale/Central Subsections Surface Waters Overview (Map 1 of 4)



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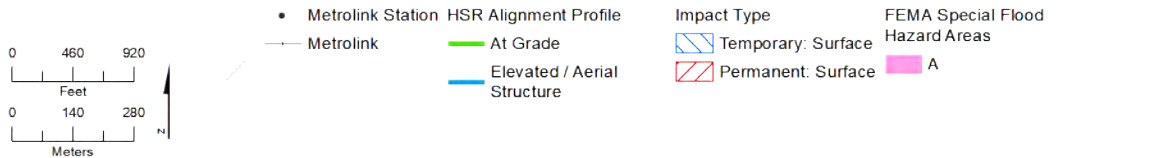


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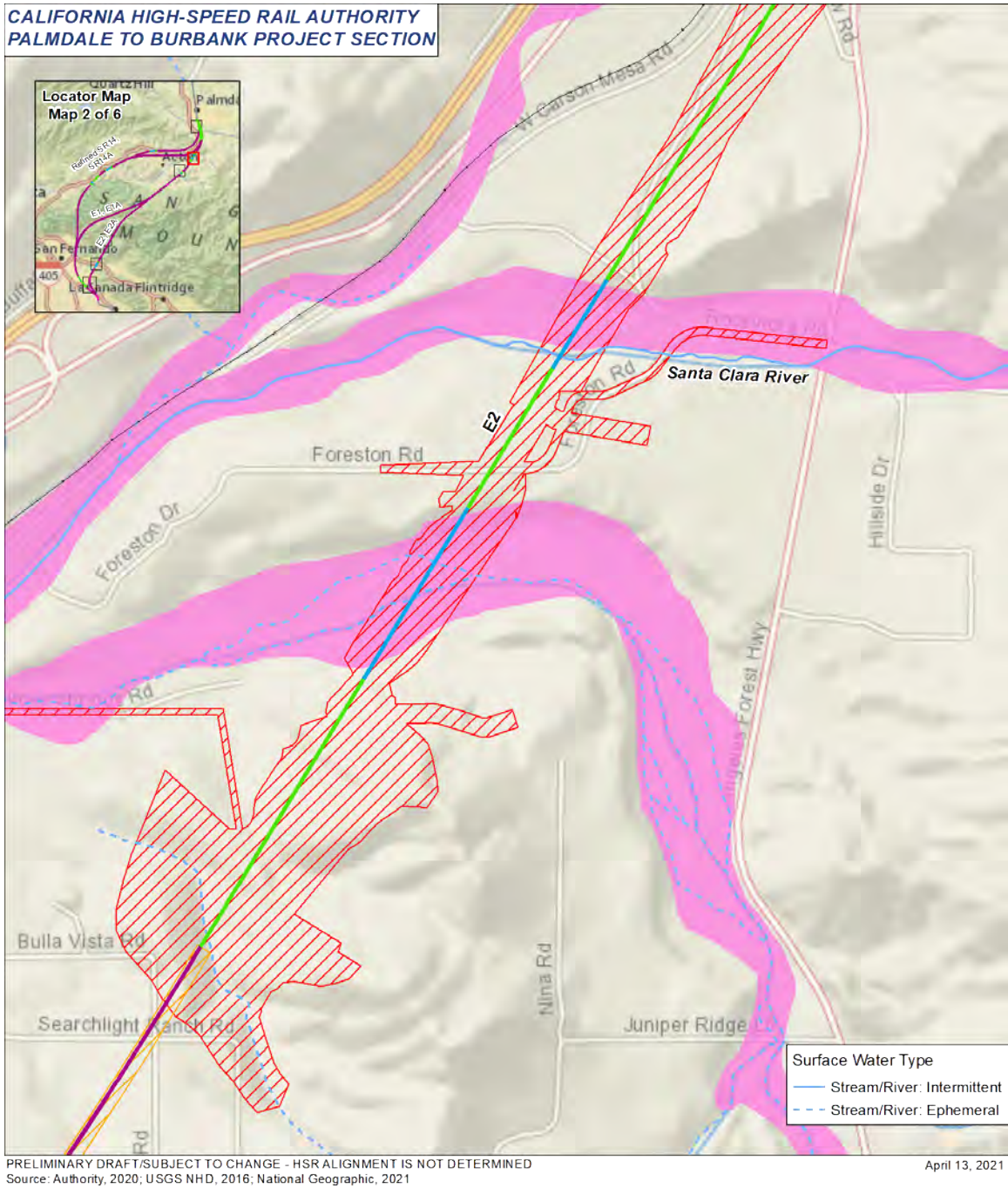


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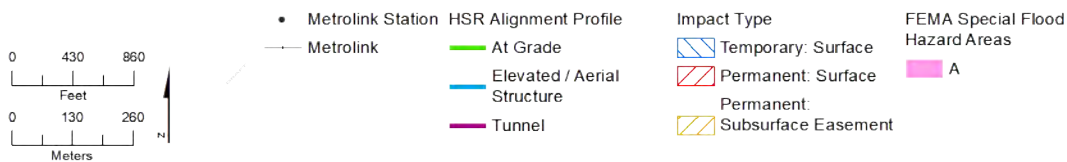
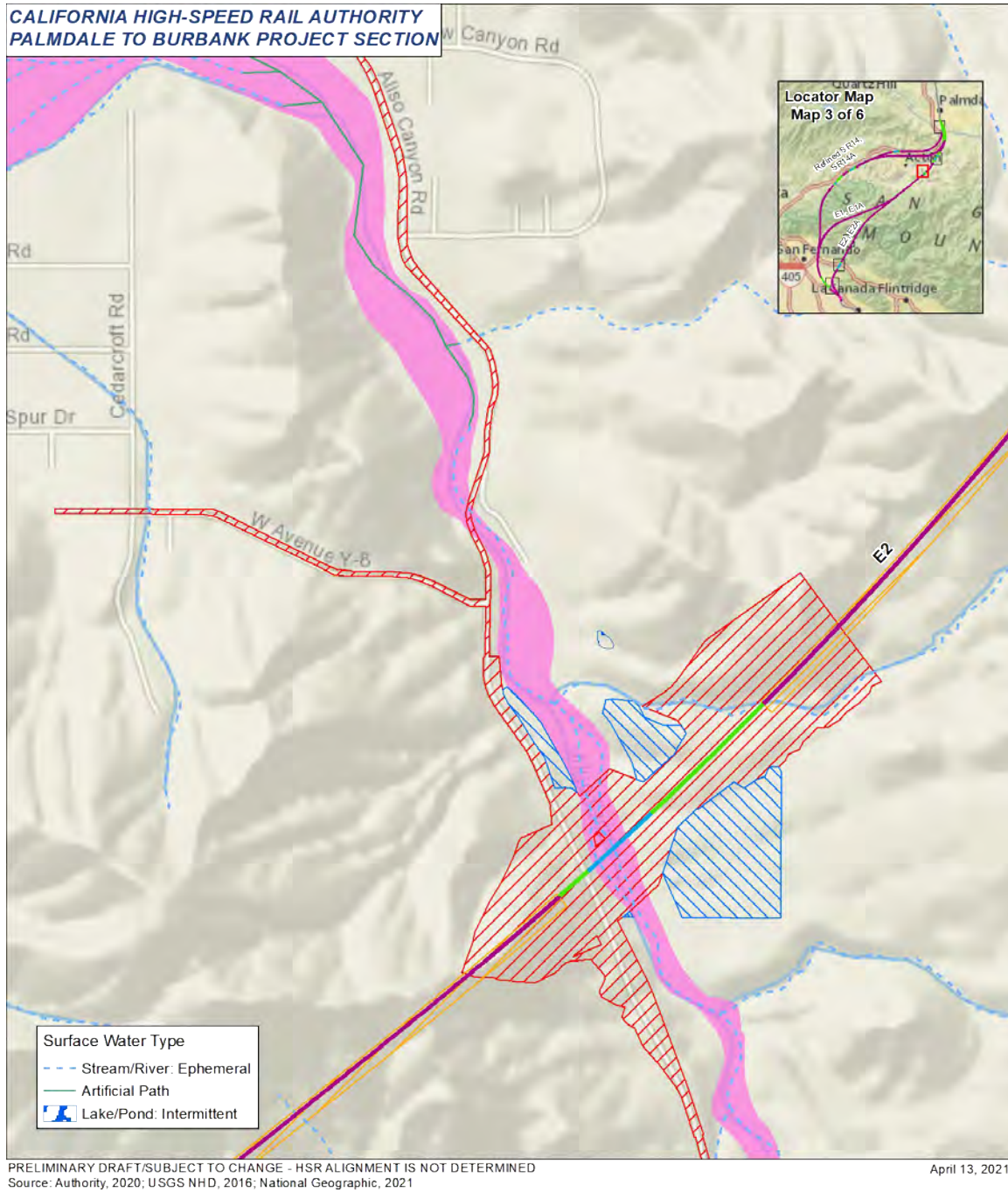
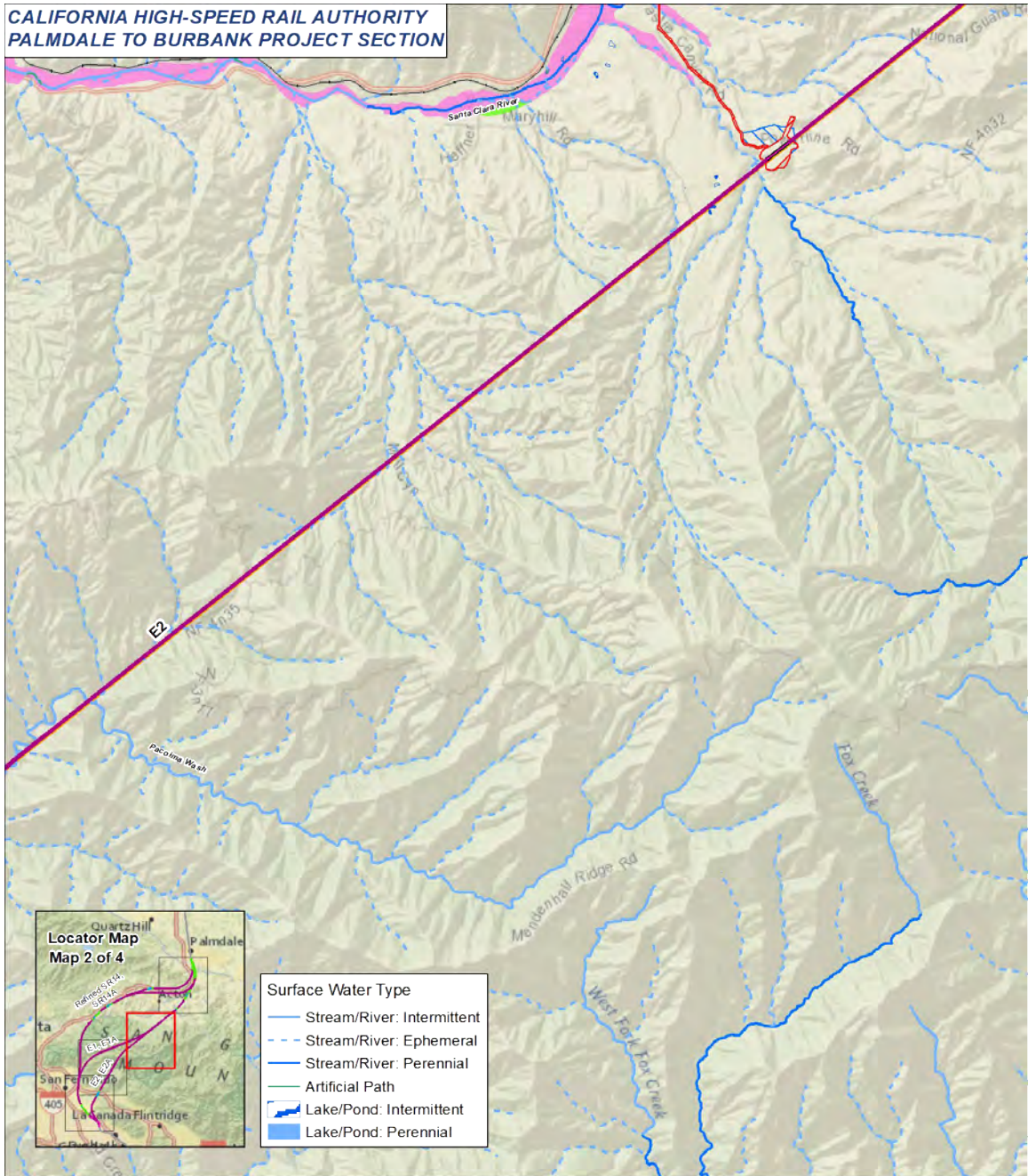


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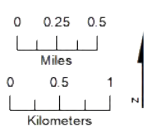
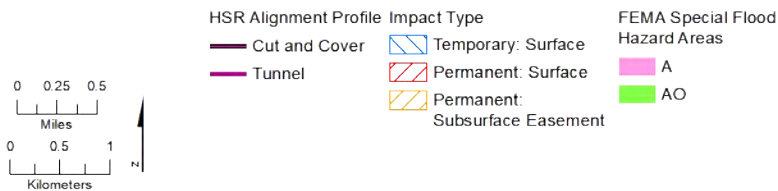


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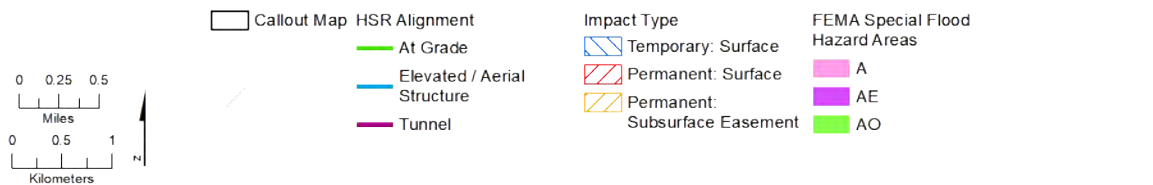
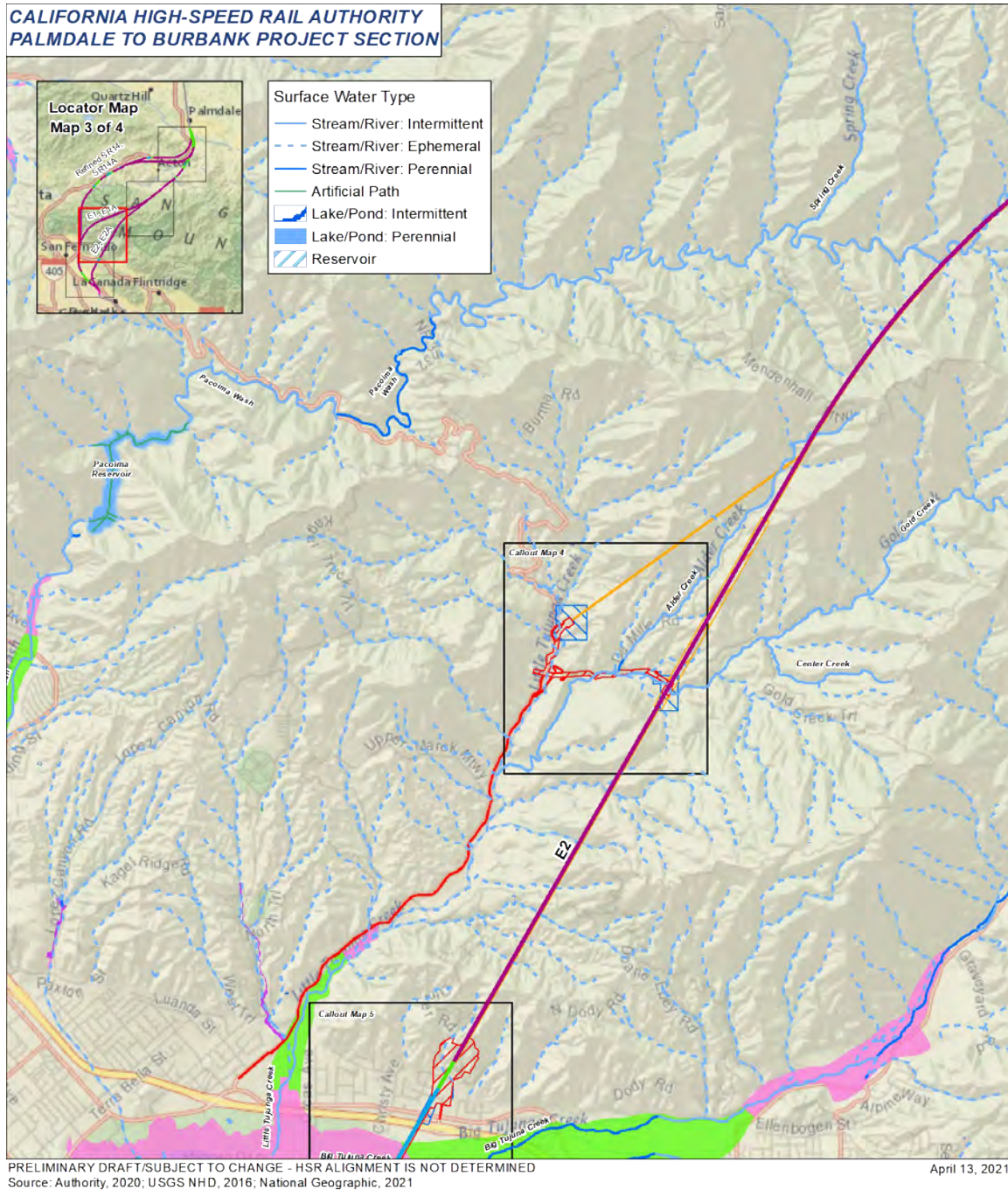


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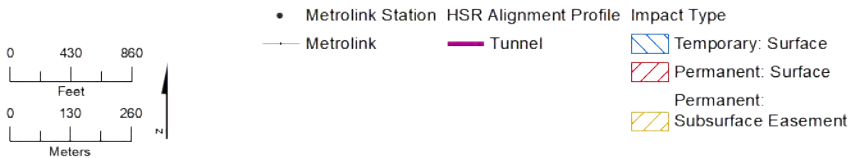
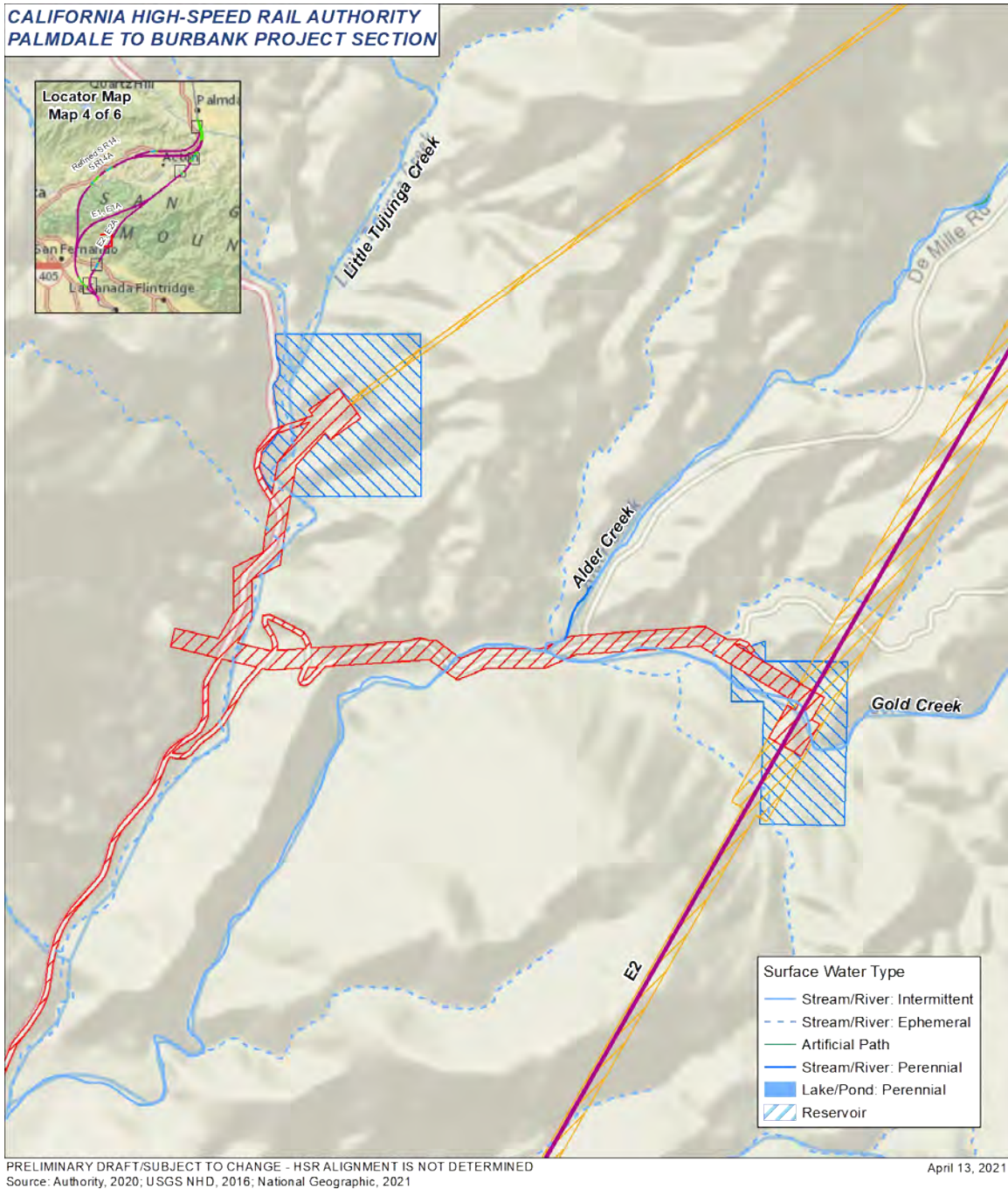


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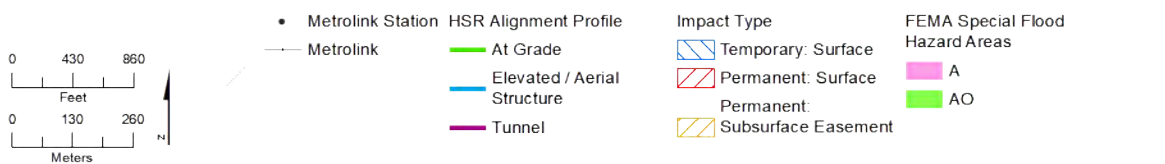
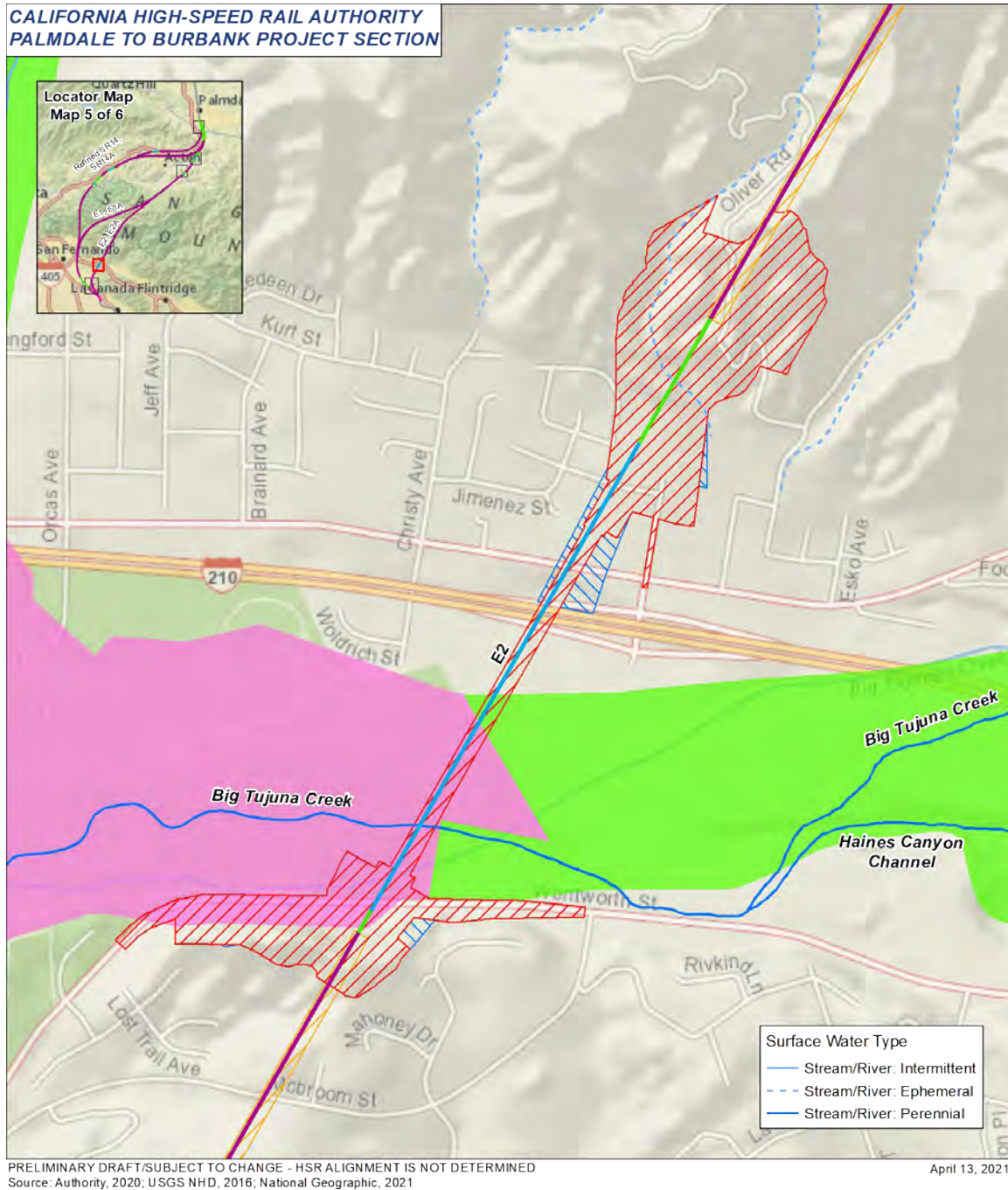


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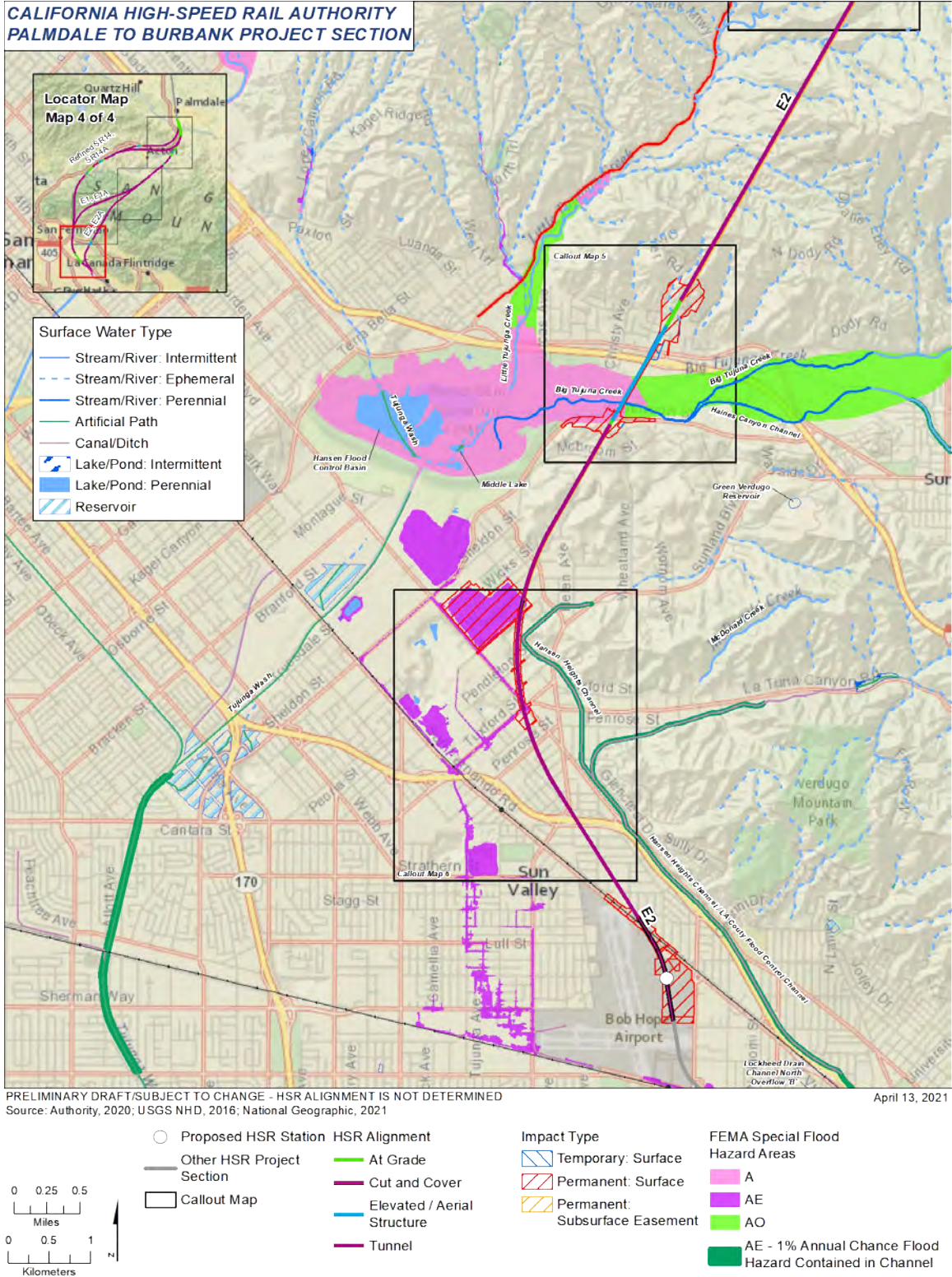


Figure 3.8-A-85 E2 Central/Burbank Subsections Surface Waters Overview (Map 1 of 2)

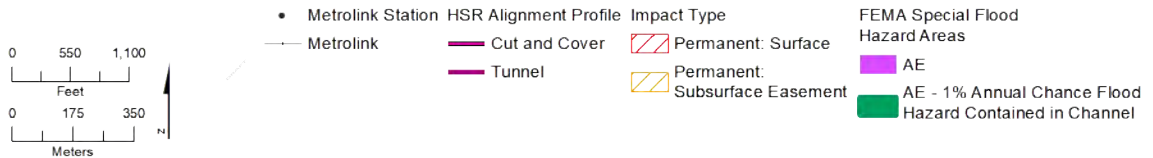
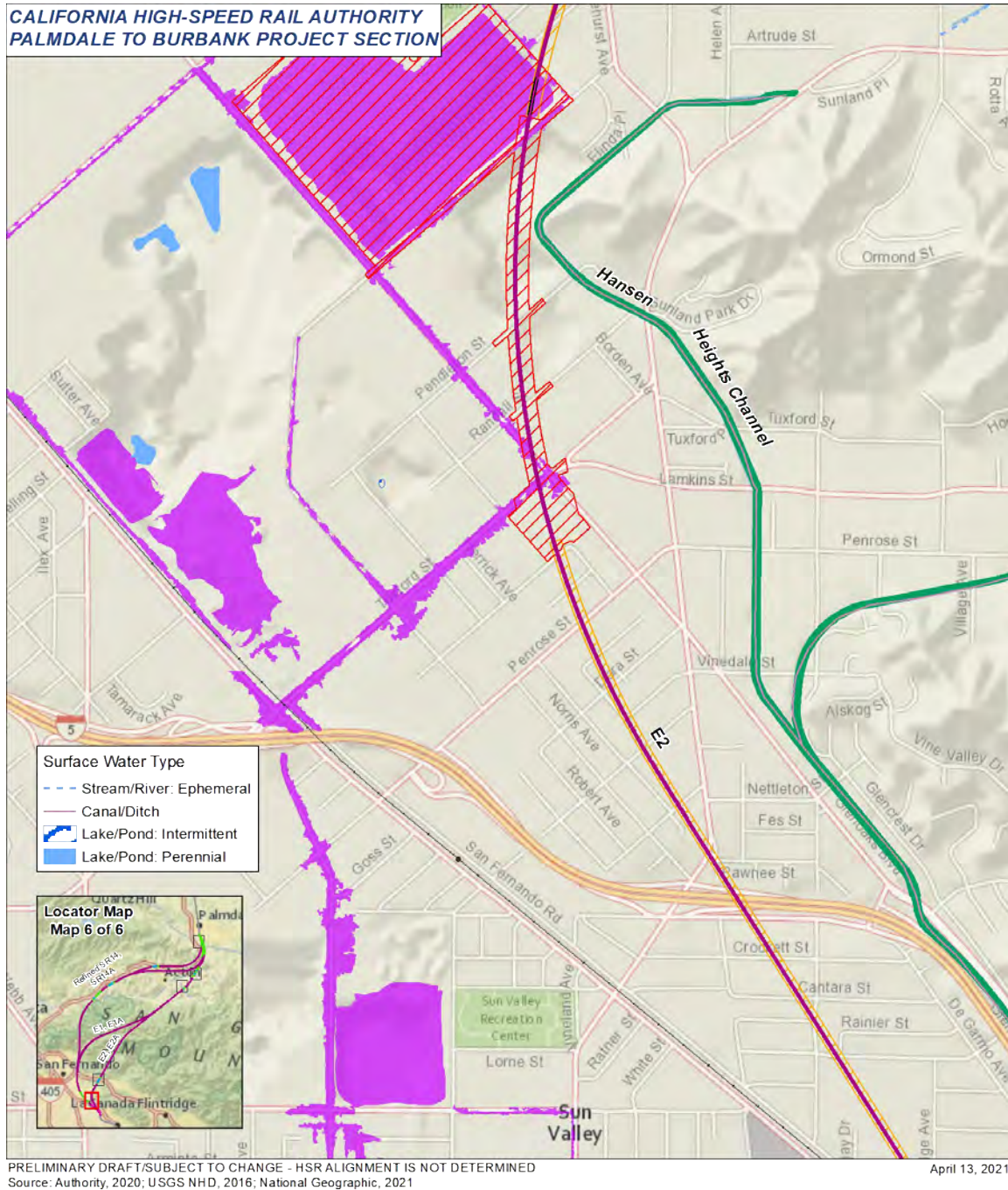


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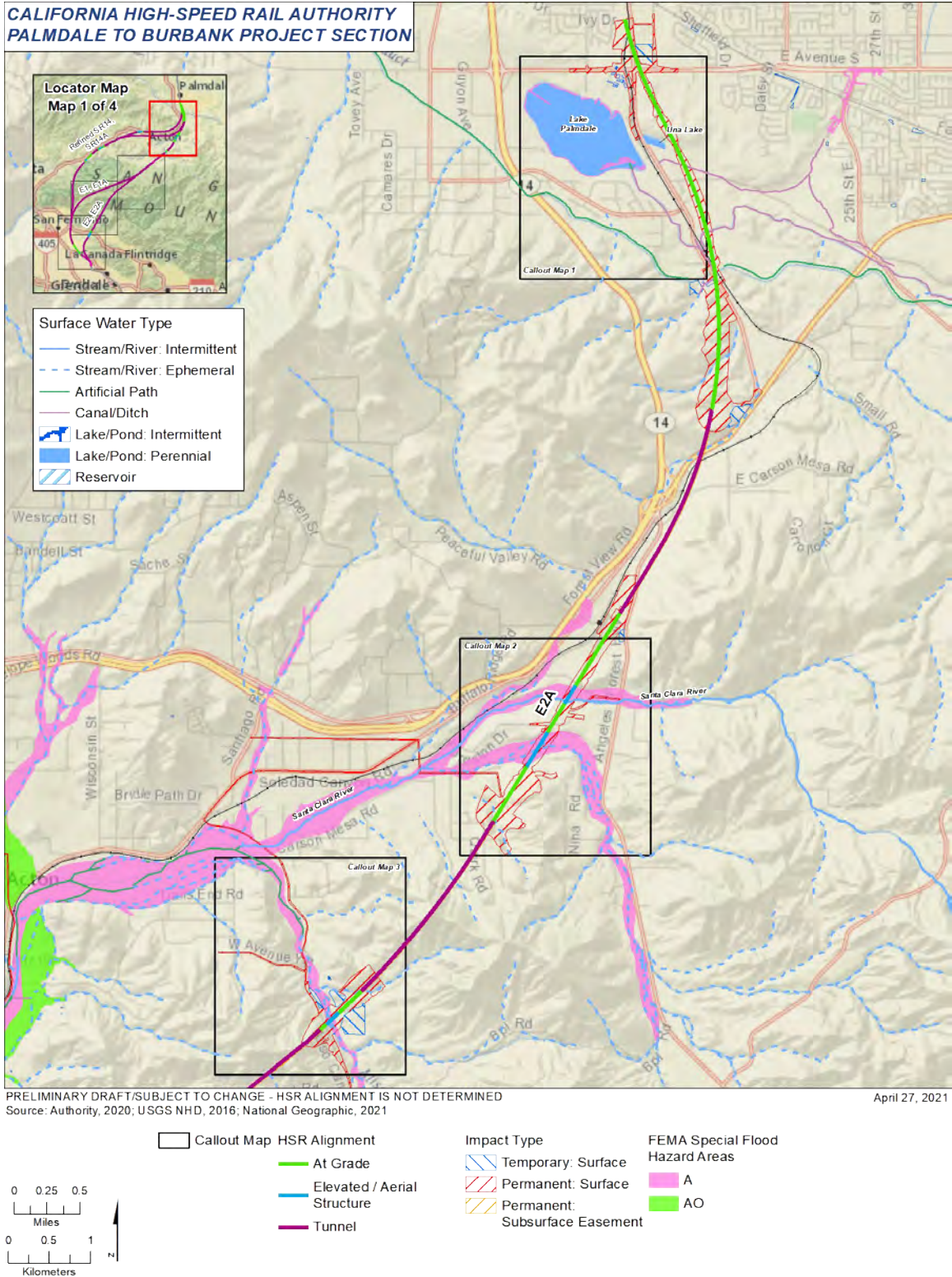


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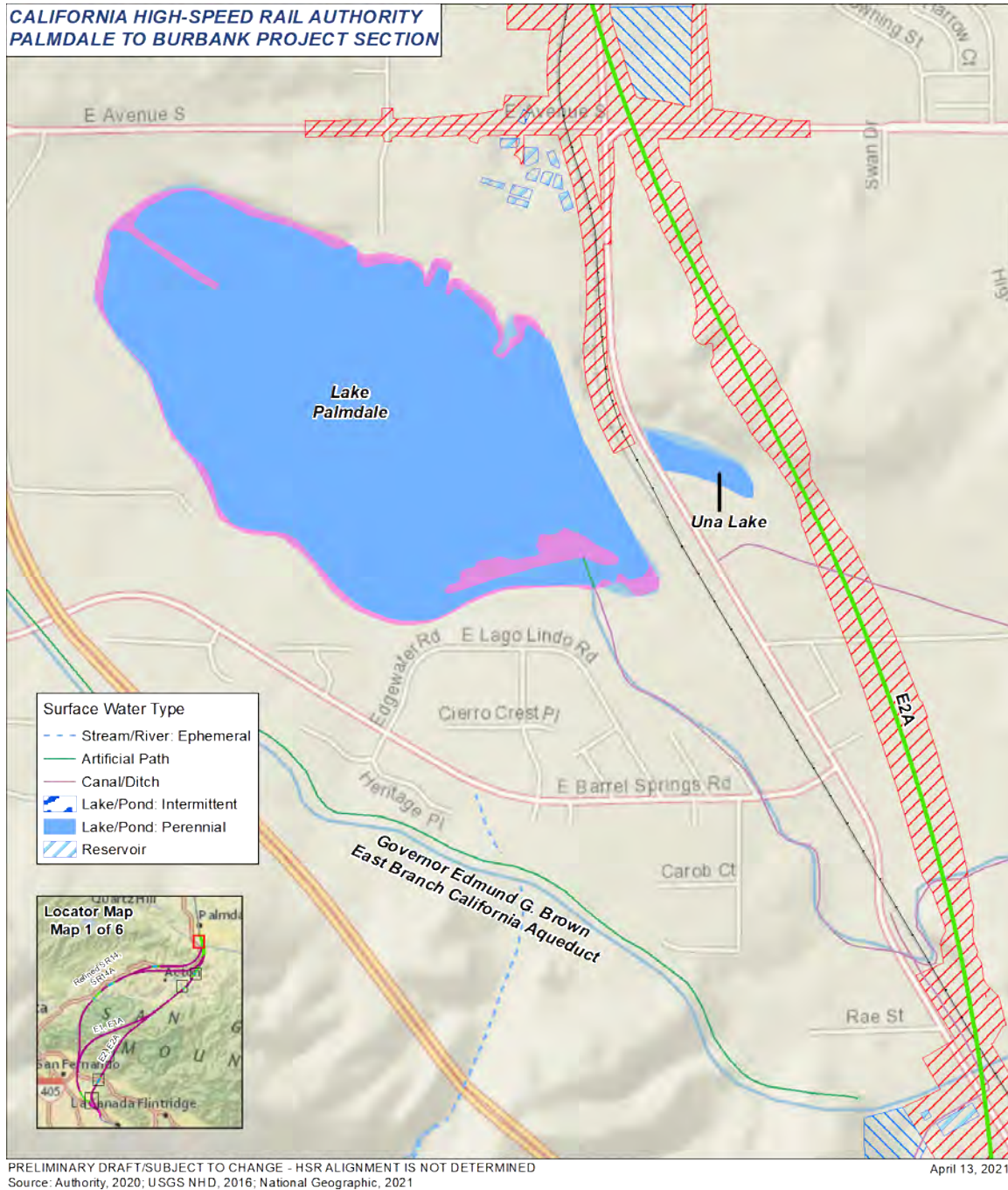


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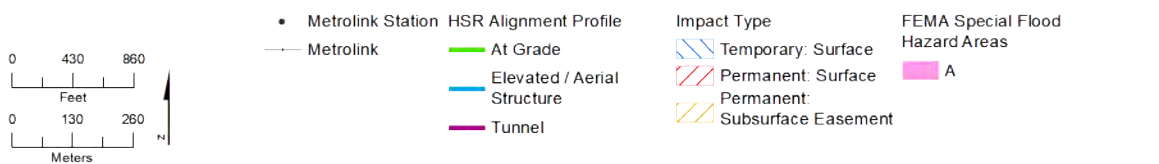
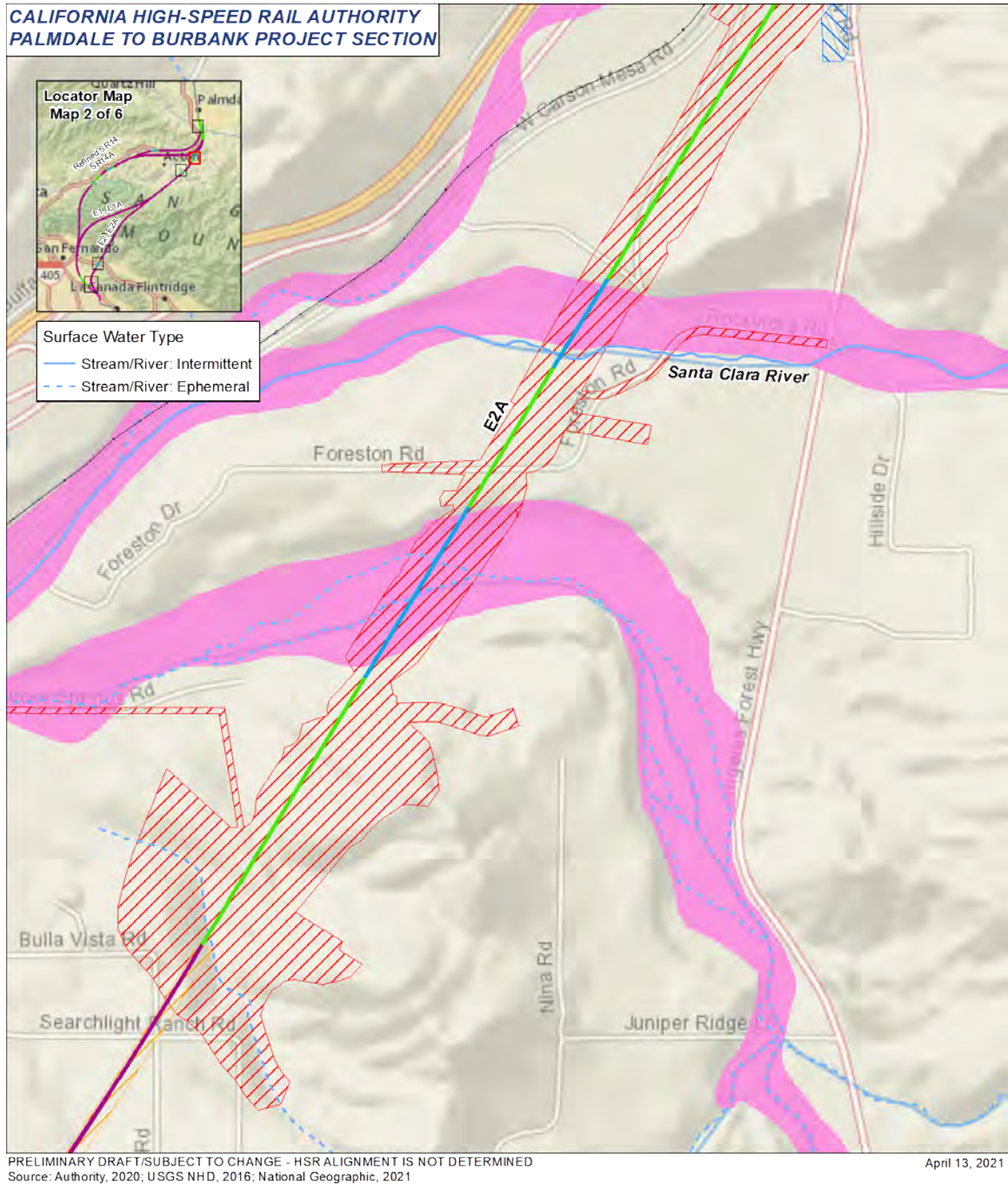
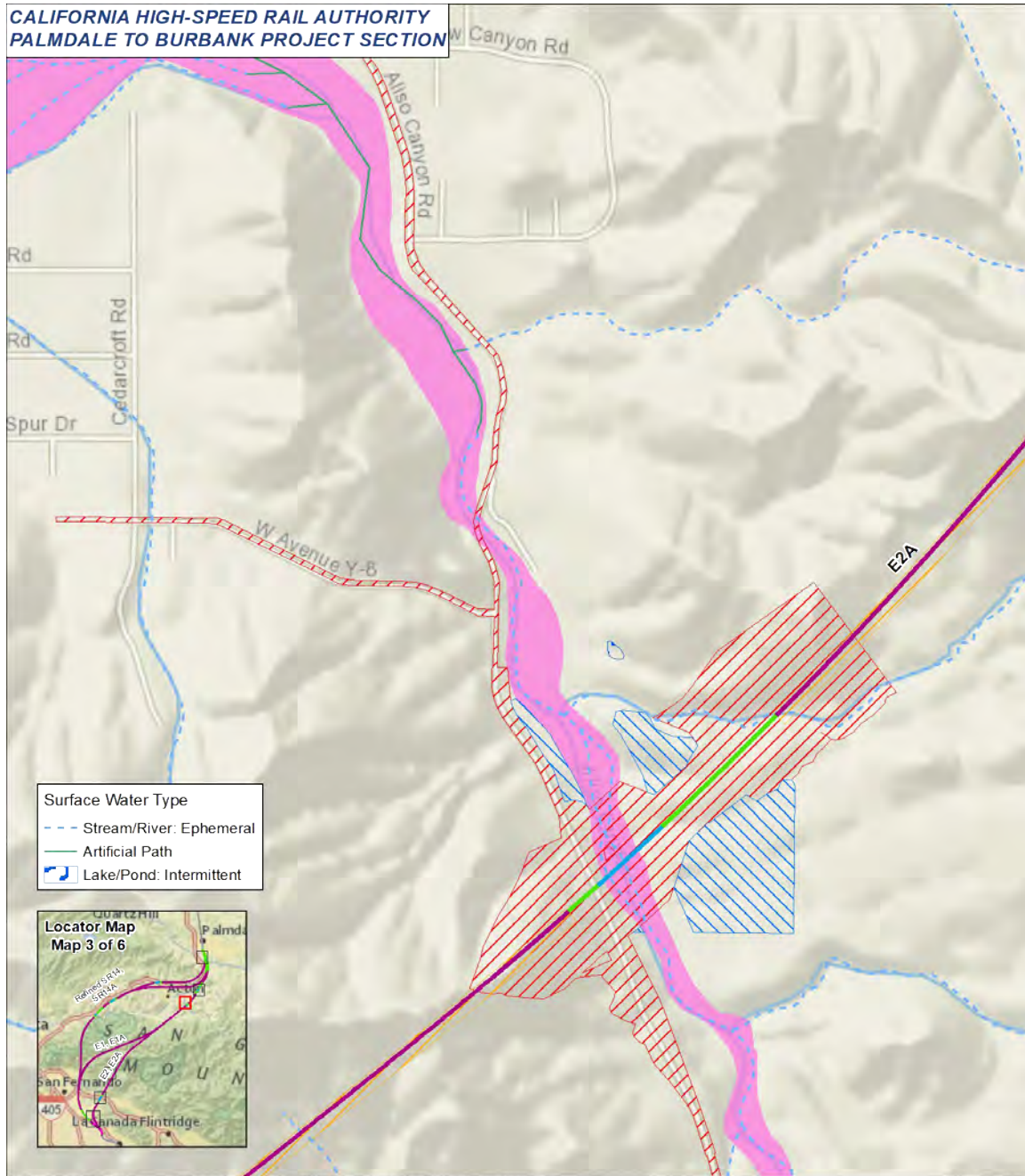


Figure 3.8-A-89 E2A Palmdale/Central Subsections Surface Waters Callout (Map 3 of 4)



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 Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021

April 13, 2021

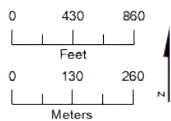
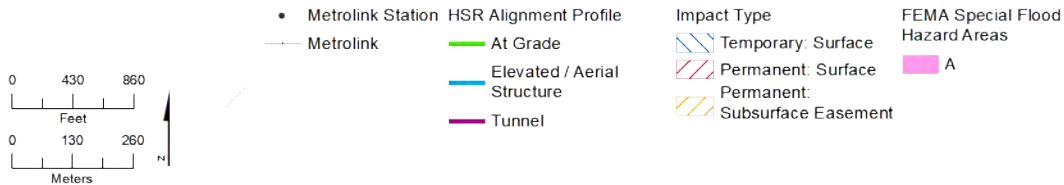
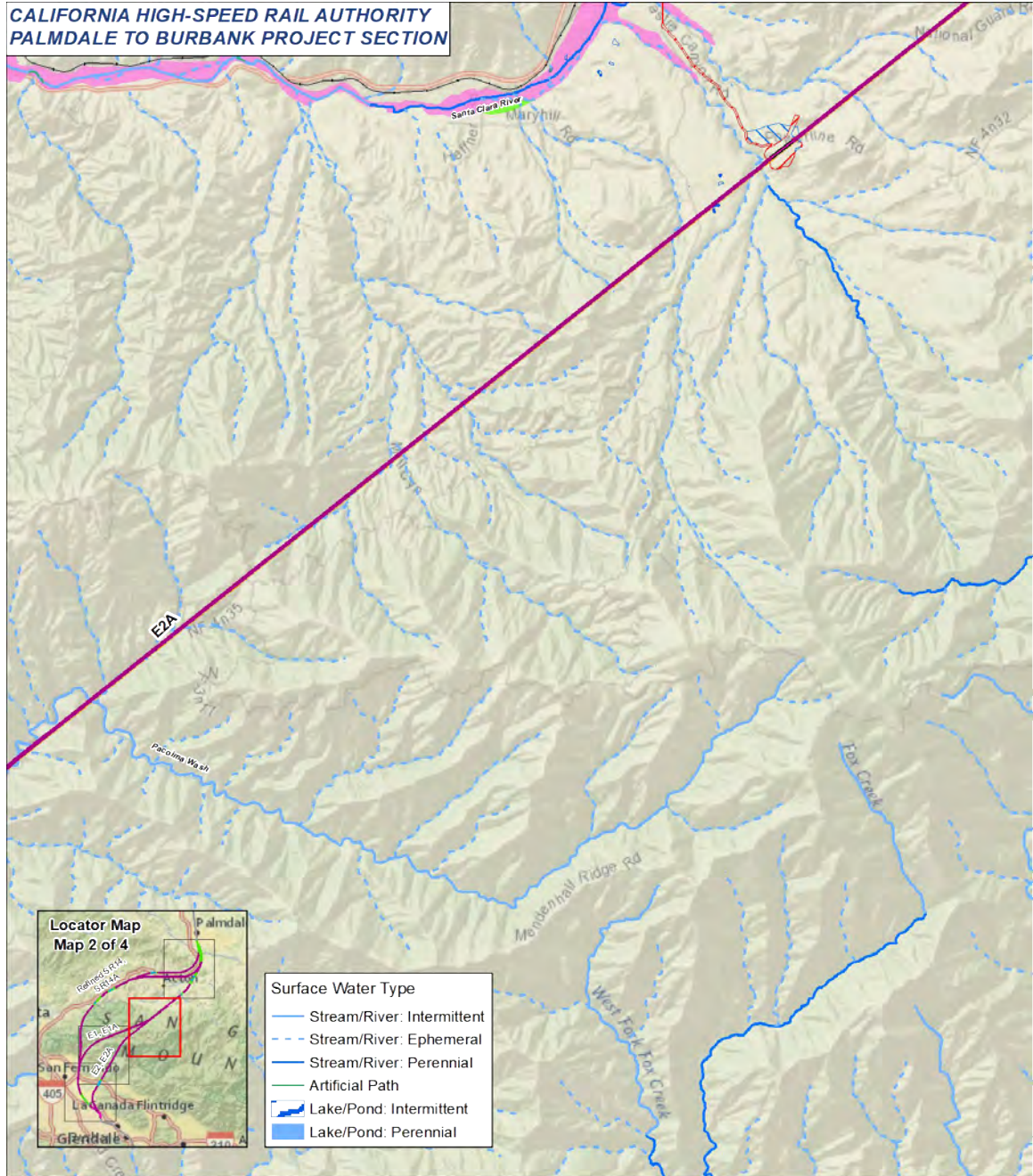


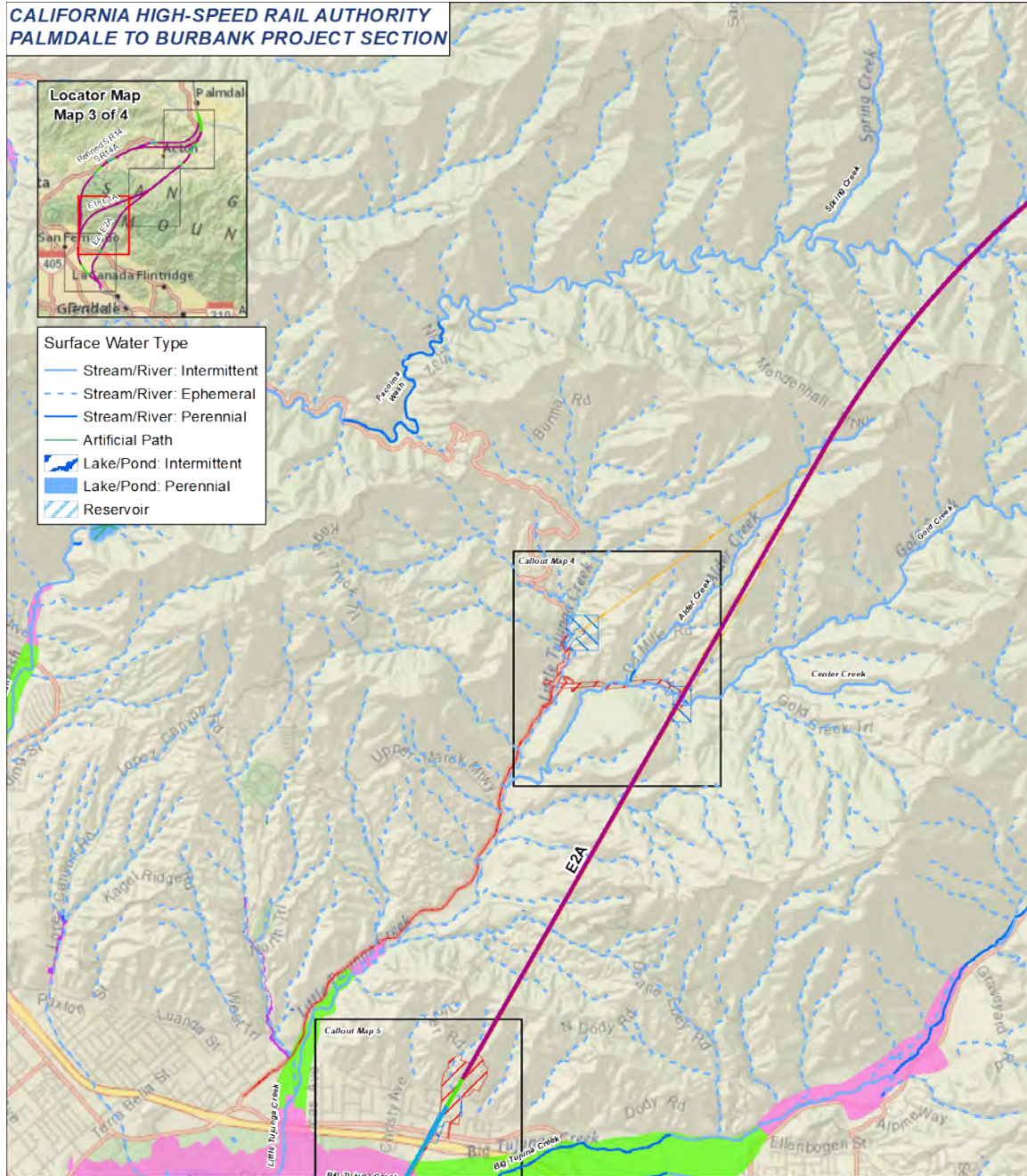
Figure 3.8-A-90 E2A Palmdale/Central Subsections Surface Waters Callout (Map 4 of 4)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021

April 27, 2021

Figure 3.8-A-91 E2A Central Subsection Surface Waters Overview (Map 1 of 1)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021
 April 27, 2021

Callout Map	HSR Alignment	Impact Type	FEMA Special Flood Hazard Areas
At Grade	Elevated / Aerial Structure	Temporary: Surface	A
Tunnel		Permanent: Surface	AE
		Permanent: Subsurface Easement	AO

Figure 3.8-A-92 E2A Central Subsection (South) Surface Waters Overview (Map 1 of 3)

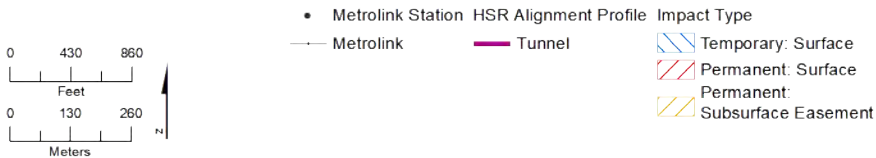
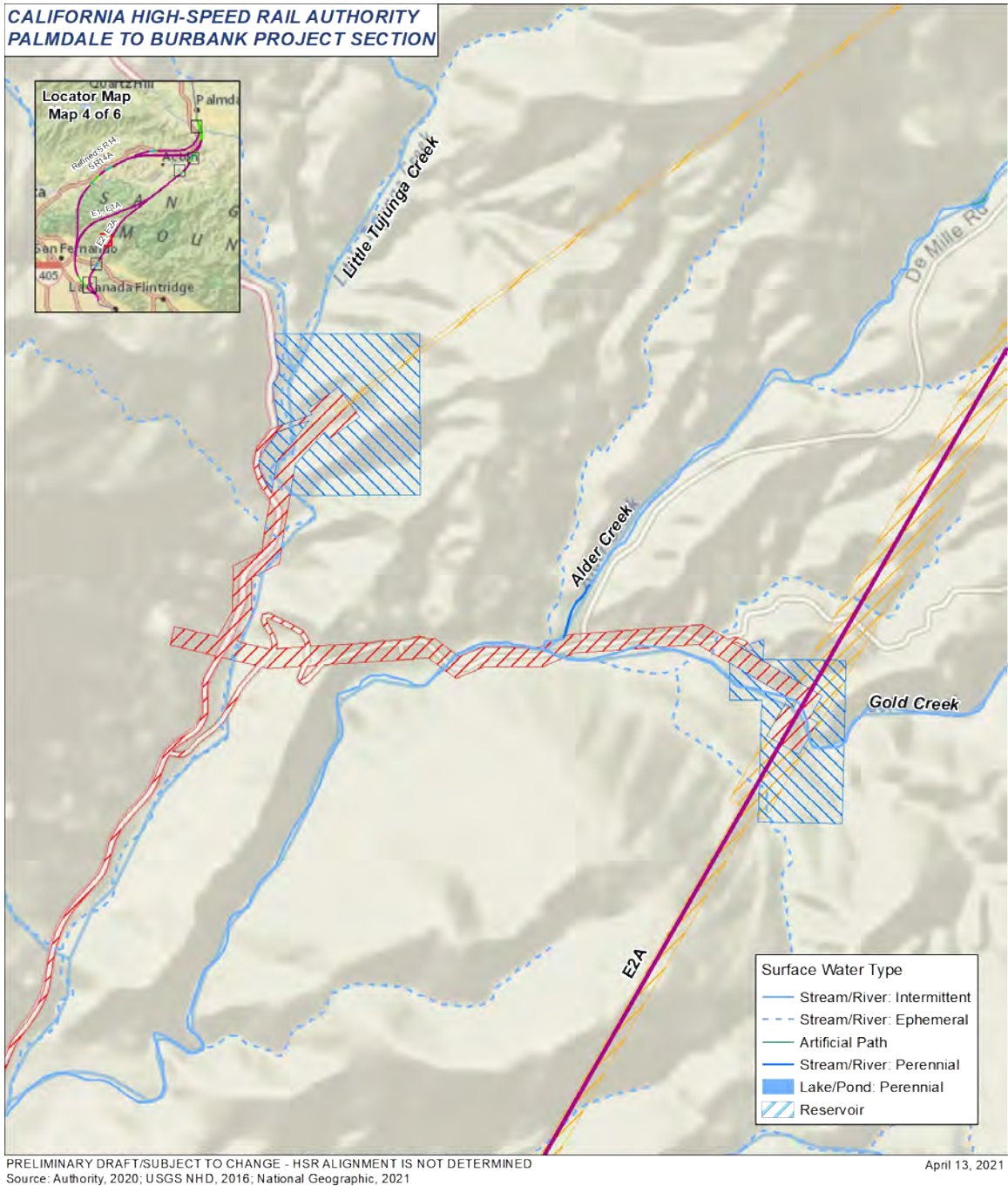
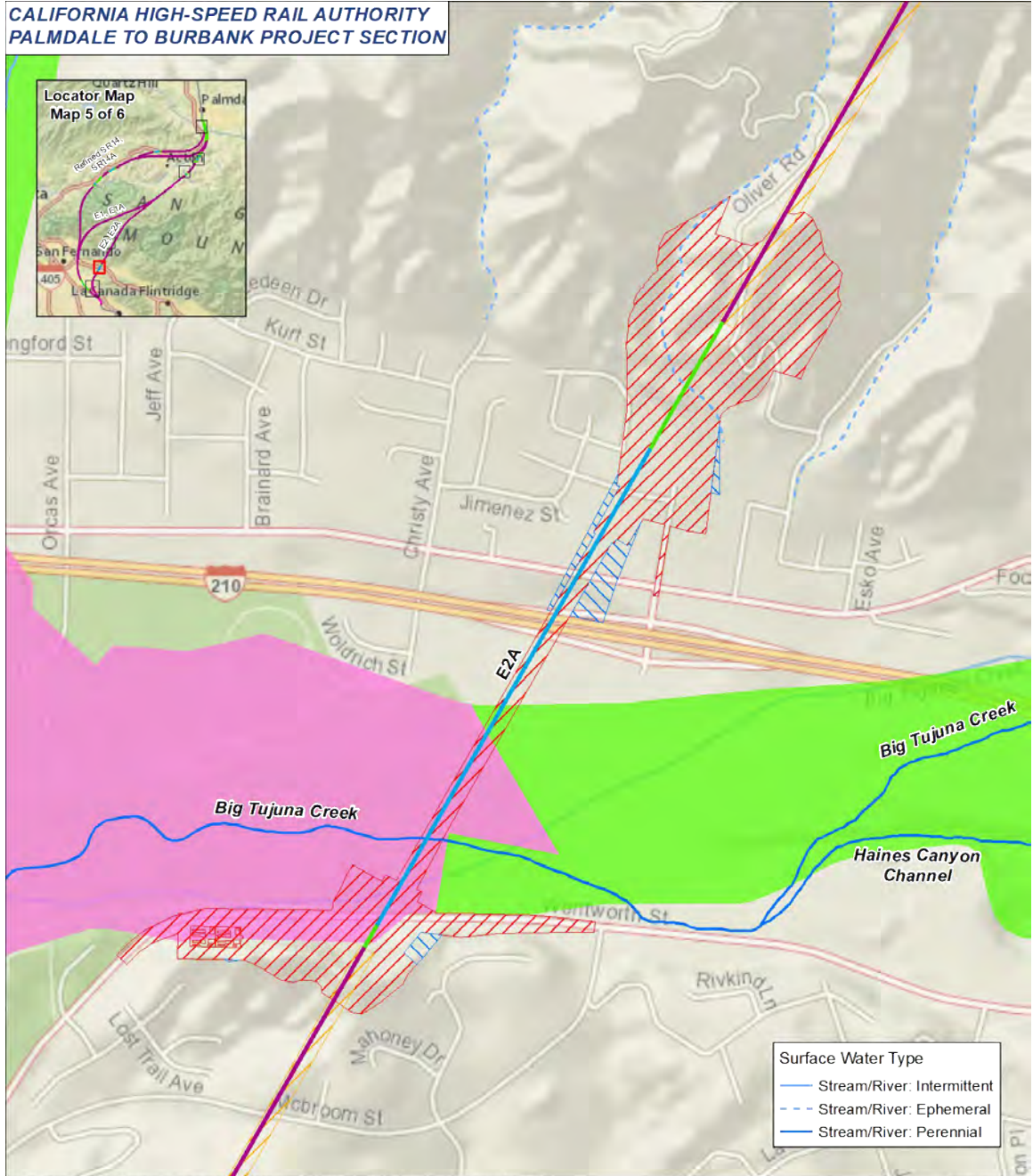
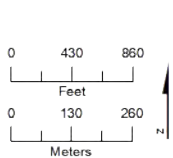


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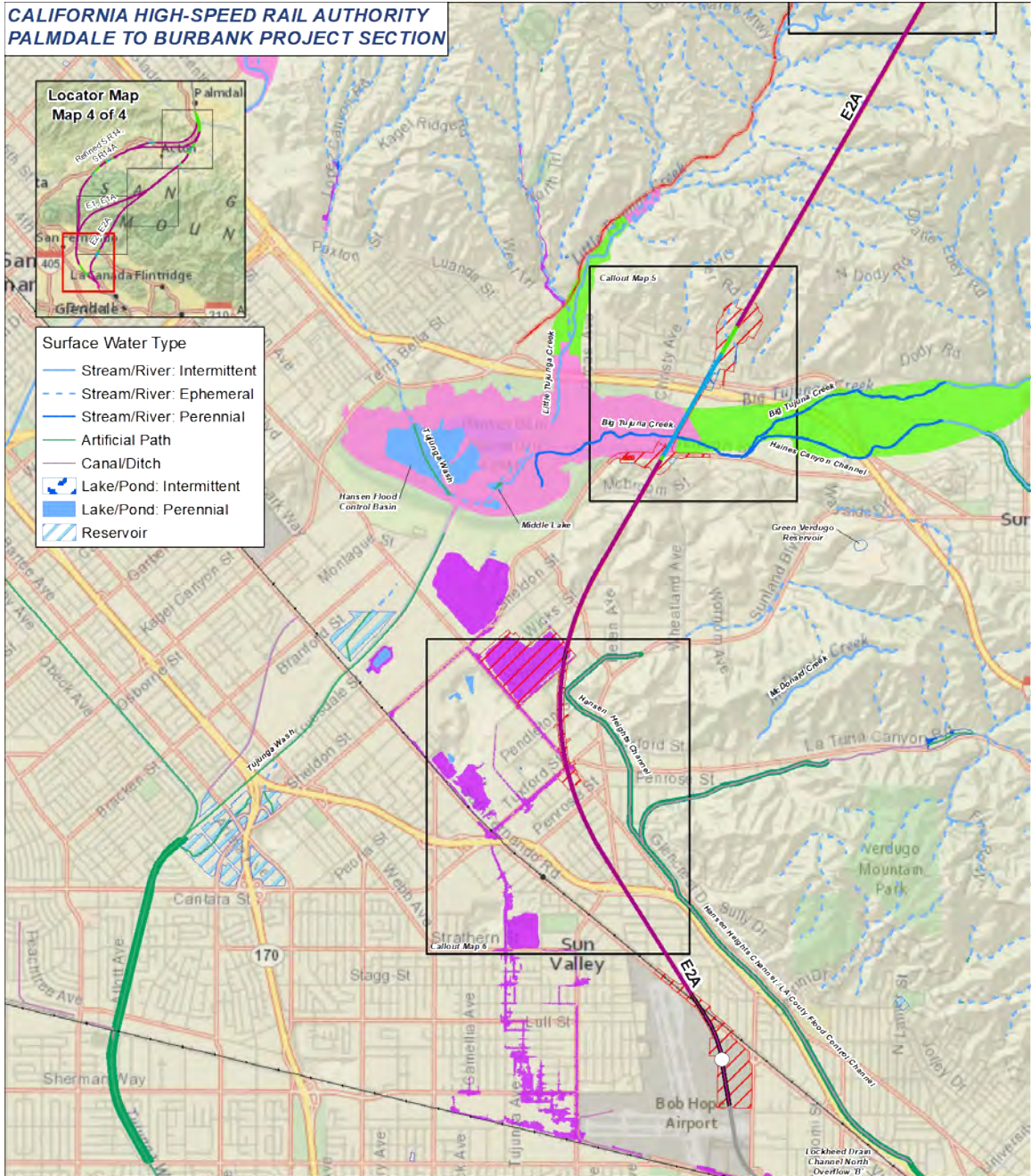


PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021
 April 13, 2021



- Metrolink Station
- HSR Alignment Profile
- Impact Type
- FEMA Special Flood Hazard Areas
- Metrolink
- At Grade
- Temporary: Surface
- A
- Elevated / Aerial Structure
- Permanent: Surface
- AO
- Tunnel
- Permanent: Subsurface Easement

Figure 3.8-A-94 E2A Central Subsection (South) Surface Waters Callout (Map 3 of 3)



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 Source: Authority, 2020; USGS NHD, 2016; National Geographic, 2021

April 27, 2021

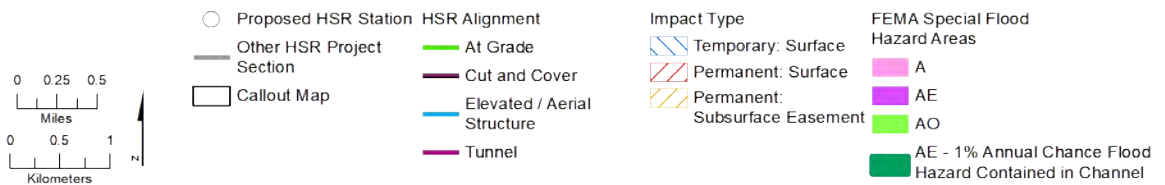


Figure 3.8-A-95 E2A Central/Burbank Subsections Surface Waters Overview (Map 1 of 2)

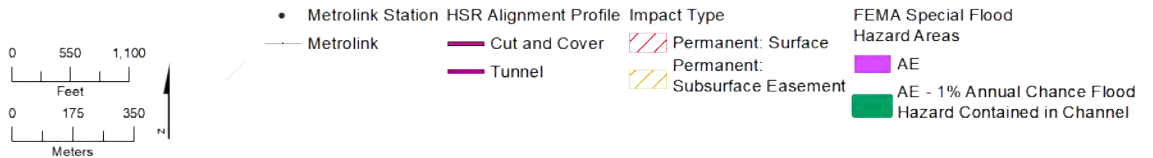
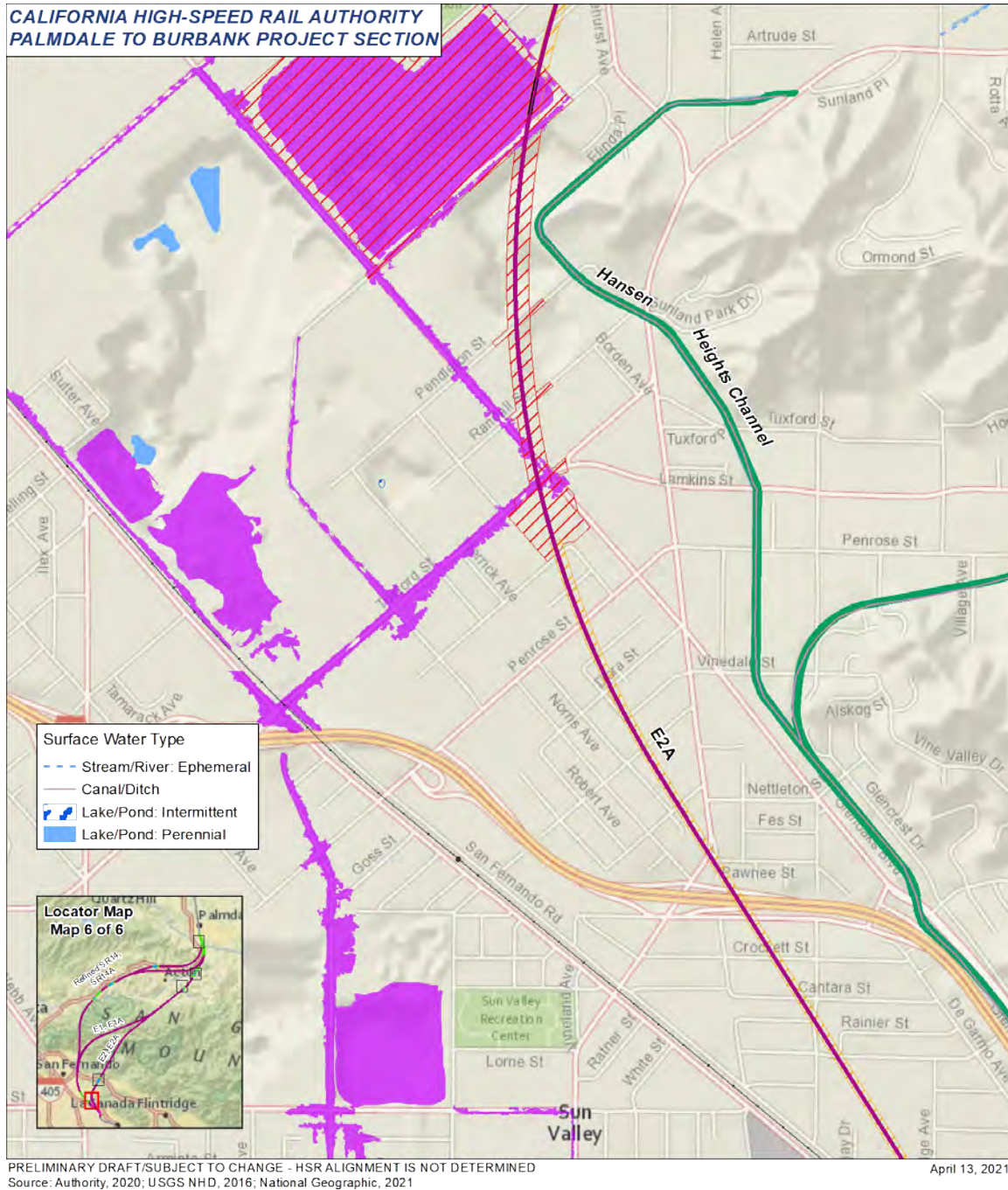


Figure 3.8-A-96 E2A Central/Burbank Subsections Surface Waters Callout (Map 2 of 2)