Appendix A

Action Alternatives Supporting Information

Table A-1. Indian Canyon Alternative Project Features by Land Status

	Land Status						
	BLM	Private	SITLA	Tribal	UDOT	Forest Service	Total
Project Footprint (Acres)							
Rail Line Footprint	46.3	847.3	158.5	121.2	0.3	166.9	1,340.5
Temporary Footprint	72.8	1,613.9	285.4	257.3	4.3	234.1	2,467.8
Project Footprint (Total)	119.1	2,461.1	443.9	378.5	4.5	401.1	3,808.2
Alignment Length by Route P	art (Miles)						
Mainline	2.4	51.4	4.4	8.1		12.0	78.2
Wye (Eastbound)	0.1	1.0					1.1
Wye (Westbound)		0.9	0.4				1.2
Total	2.5	53.2	4.8	8.1		12.0	80.5
Alignment Length by Grade (Miles)						
At-Grade	2.5	50.4	4.2	8.1		9.3	74.5
Bridge	0.0	1.1	0.6	0.0		0.0	1.7
Tunnel		1.7				2.6	4.3
Total	2.5	53.2	4.8	8.1		12.0	80.5
Tunnels - From/To Milepost ((Miles)						
MP: 18.366 - 21.45		1.7				1.4	3.1
MP: 22.501 - 23.046						0.5	0.5
MP: 23.948 - 24.616						0.7	0.7
Total		1.7				2.6	4.3
Sidings (Miles)							
Sidings		6.8		2.0		3.7	12.4
Communications Towers (Nu	mber)						
Towers		4					4
Cut/Fill (Acres)							
Area of Cut/Fill	40.5	655.6	149.0	87.5	0.1	136.5	1,069.2
Road Relocations (Miles)							
Road Relocations	0.33	9.08	1.52	0.62	0.01	0.24	11.79
Streams Filled at Realignmen	ts (Miles)						
Stream Realignments		2.4	0.2	0.3		1	3.9
Bridges and Culverts (Number	er)						
Rail Bridges		26	4			1	31
Road Bridges		1		1			2
Culverts	13	240	19	51		49	372
Road Crossings (Number)a							
At-Grade - Public							8
At-Grade - Private							45
Total At-Grade Crossings							53
Grade-Separated - Public							10

		Land Status						
	BLM	Private	SITLA	Tribal	UDOT	Forest Service	Total	
Grade-Separated - Private							6	
Total Grade-Separated Crossings							16	

Notes:

BLM = Bureau of Land Management; SITLA = School and Institutional Trust Lands Administration; UDOT = Utah Department of Transportation; Forest Service = United States Forest Service; MP = Milepost

Table A-2. Wells Draw Alternative Project Features by Land Status

		Land Status						
	BLM	Private	SITLA	Tribal	UDOT	Forest Service	Total	
Project Footprint (Acres)								
Rail Line Footprint	1,571.1	662.2	326.7		0.0		2,560.1	
Temporary Footprint	3,246.2	1,293.2	554.4		1.5		5,095.2	
Project Footprint (Total)	4,817.3	1,955.4	881.1		1.5		7,655.3	
Alignment Length by Route I	Part (Miles)							
Mainline	57.0	35.4	8.5				100.9	
Wye (Eastbound)	0.1	1.0					1.1	
Wye (Westbound)		0.9	0.4				1.2	
Total	57.2	37.2	8.8				103.3	
Alignment Length by Grade (Miles)							
At-Grade	55.1	32.5	8.0				95.6	
Bridge	0.3	0.9	8.0				2.1	
Tunnel	1.7	3.8	0.1				5.6	
Total	57.2	37.2	8.8				103.3	
Tunnels - From/To Milepost	(Miles)							
MP: 18.366 - 21.893		3.5					3.5	
MP: 24.629 - 24.765		0.1					0.1	
MP: 24.888 - 24.992		0.1					0.1	
MP: 25.996 - 26.09	0.1						0.1	
MP: 26.346 - 26.431	0.1						0.1	
MP: 28.626 - 28.913	0.3						0.3	
MP: 29.604 - 29.689			0.1				0.1	
MP: 30.236 - 30.343	0.1						0.1	
MP: 32.102 - 32.389	0.3						0.3	
MP: 35.751 - 36.073	0.3						0.3	
MP: 42.733 - 42.818	0.1						0.1	
MP: 46.276 - 46.522	0.2						0.2	
MP: 47.346 - 47.554	0.2						0.2	

^a Management of public and private roads varies by land ownership type; therefore, only the total number of crossings are shown.

		Land Status					
	BLM	Private	SITLA	Tribal	UDOT	Forest Service	Total
Total	1.7	3.8	0.1				5.6
Sidings (Miles)							
Sidings	2.7	0.6	1.9				5.2
Communications Towers (Nu	ımber)						
Towers	3	1					4
Cut/Fill (Acres)							
Area of Cut/Fill	1,441.7	542.1	308.0				2,291.7
Road Relocations (Miles)							
Road Relocations	5.72	5.34	2.67		0.01		13.74
Streams Filled at Realignmen	nts (Miles)						
Stream Realignments	0.2	0.6	0.6				1.4
Bridges and Culverts (Numb	er)						
Rail Bridges	13	15	5				33
Road Bridges	2	1					3
Culverts	290	168	38				496
Road Crossings (Number) ^a							
At-Grade - Public							27
At-Grade - Private							34
Total At-Grade Crossings							61
Grade-Separated - Public							19
Grade-Separated - Private							10
Total Grade-Separated Crossings							29

Notes:

BLM = Bureau of Land Management; SITLA = School and Institutional Trust Lands Administration; UDOT = Utah Department of Transportation; Forest Service = United States Forest Service

Table A-3. Whitmore Park Alternative Project Features by Land Status

	BLM	Private	SITLA	Tribal	UDOT	Forest Service	Total
Project Footprint (Acres)							
Rail Line Footprint		1,042.4	102.5	118.4	0.2	167.1	1,430.6
Temporary Footprint		2,312.4	283.0	254.9	3.6	233.8	3,087.7
Project Footprint (Total)		3,354.8	385.5	373.3	3.8	400.9	4,518.3
Alignment Length by Route Pa	rt (Miles)						
Mainline		61.1	4.1	8.1		12.0	85.2
Wye (Eastbound)		1.4					1.4
Wye (Westbound)		0.7	0.4				1.1

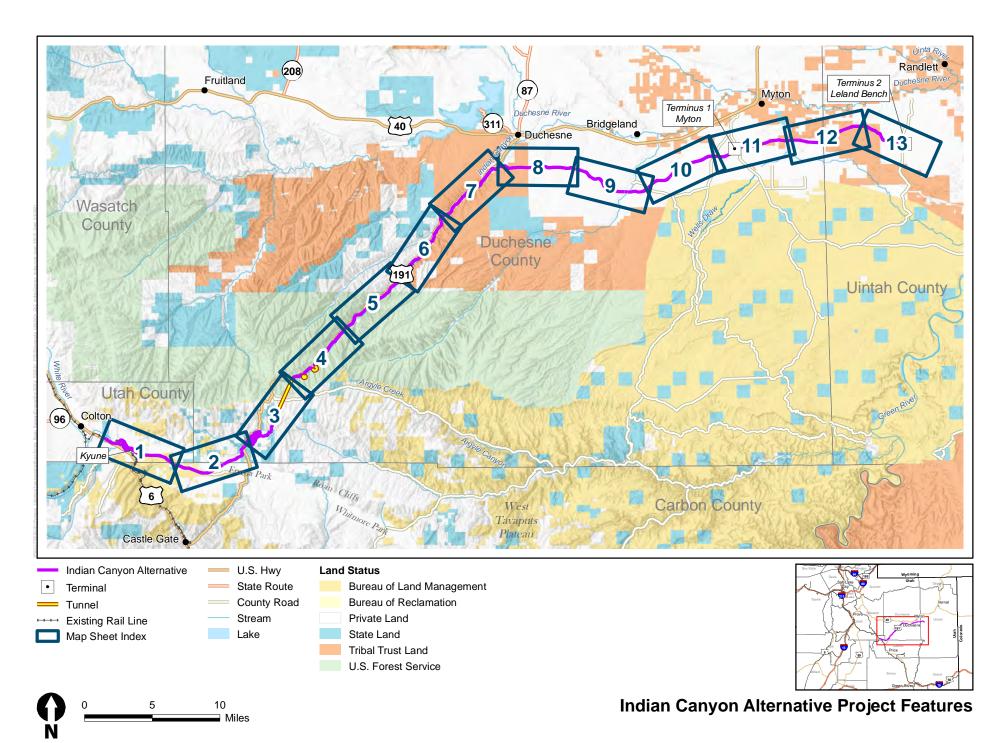
^a Management of public and private roads varies by land ownership type; therefore, only the total number of crossings are shown.

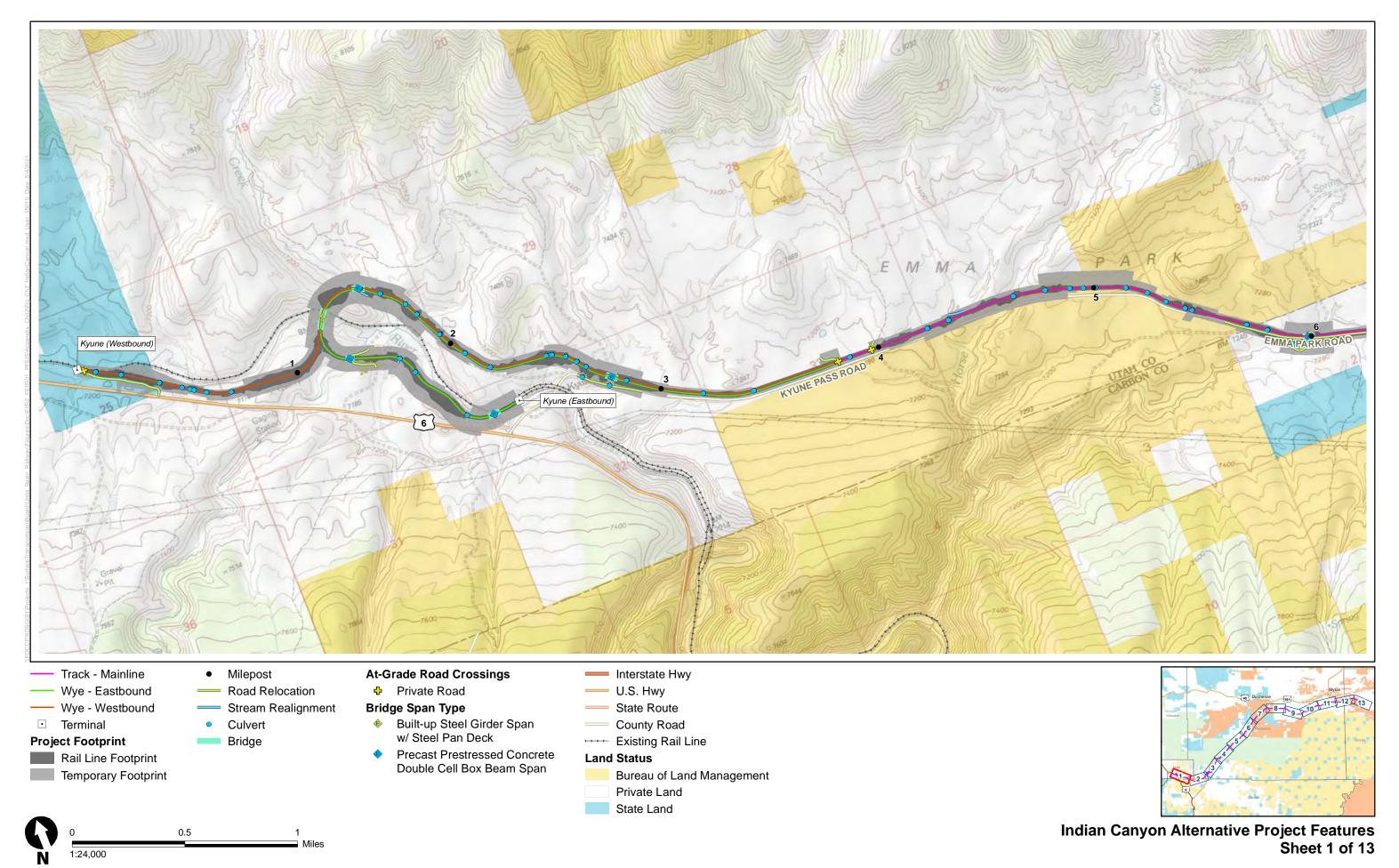
	Land Status						
	BLM	Private	SITLA	Tribal	UDOT	Forest Service	Total
Total		63.2	4.5	8.1		12.0	87.7
Alignment Length by Grade (Miles)						
At-Grade		59.4	3.9	8.1		9.3	80.6
Bridge		1.1	0.2	0.0		0.0	1.4
Tunnel		2.7	0.3			2.6	5.7
Total		63.2	4.5	8.1		12.0	87.7
Tunnels - From/To Milepost ((Miles)						
MP: 20.397 - 20.839		0.4					0.4
MP: 21.635 - 22.547		0.6	0.3				0.9
MP: 23.775 - 26.859		1.7				1.4	3.1
MP: 27.91 - 28.455						0.5	0.5
MP: 29.357 - 30.025						0.7	0.7
Total		2.7	0.3			2.6	5.7
Sidings (Miles)							
Sidings		12.4		1.9		3.7	18.0
Communications Towers (Nu	mber)						
Towers		4					4
Cut/Fill (Acres)							
Area of Cut/Fill		829.0	94.8	83.7	0.1	136.8	1,144.4
Road Relocations (Miles)							
Road Relocations		11.21	1.78	0.62		0.24	13.84
Streams Filled at Realignmen	ts (Miles)						
Stream Realignments		2.5	0.1	0.2		0.9	3.8
Bridges and Culverts (Number	er)						
Rail Bridges		26	3			1	30
Road Bridges				1			1
Culverts		309	13	52		49	423
Road Crossings (Number) ^a							
At-Grade - Public							17
At-Grade - Private							49
Total At-Grade Crossings							66
Grade-Separated - Public							7
Grade-Separated - Private							7
Total Grade-Separated Crossings							14

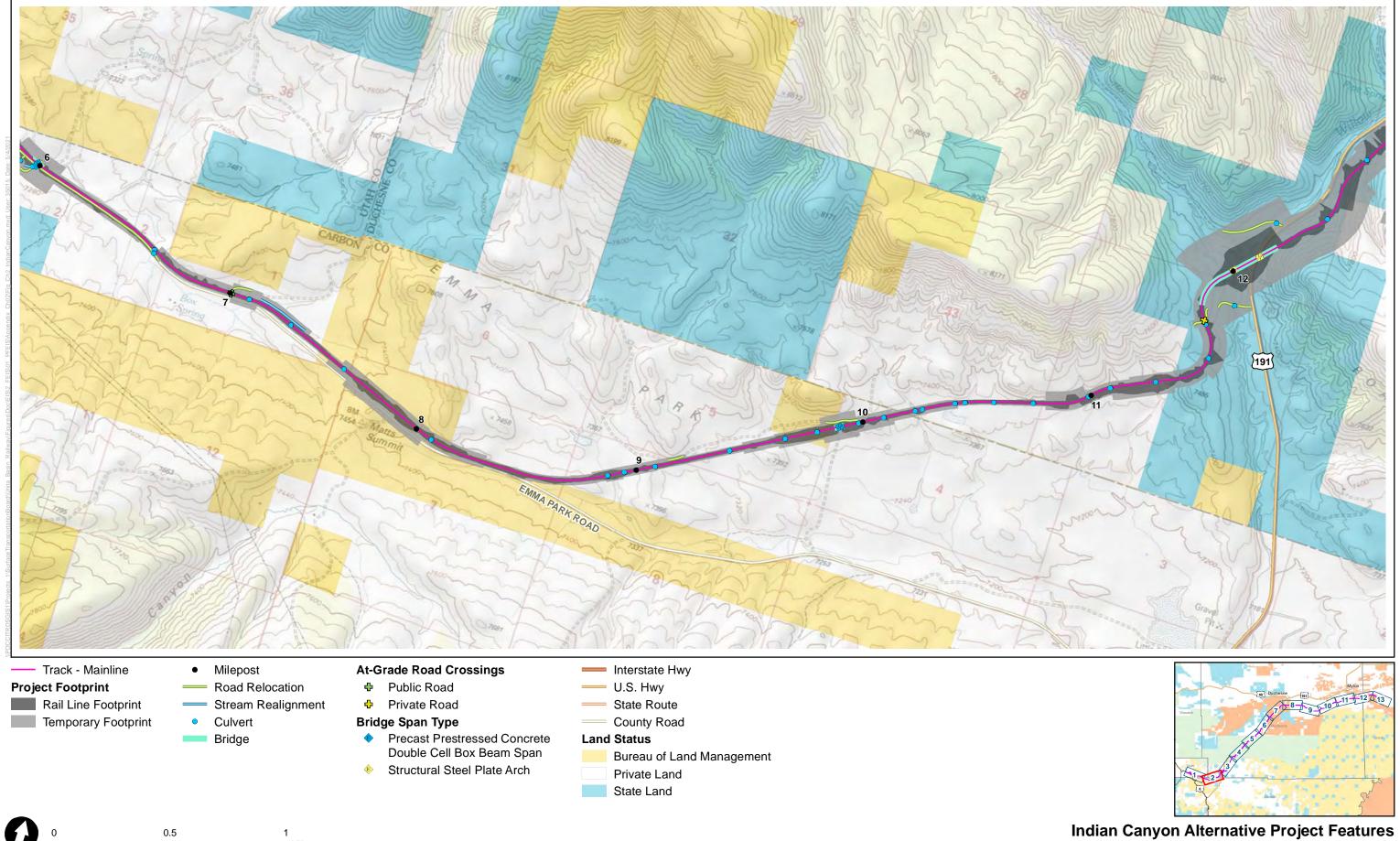
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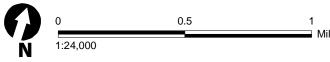
BLM = Bureau of Land Management; SITLA = School and Institutional Trust Lands Administration; UDOT = Utah Department of Transportation; Forest Service = United States Forest Service

^a Management of public and private roads varies by land ownership type; therefore, only the total number of crossings are shown.

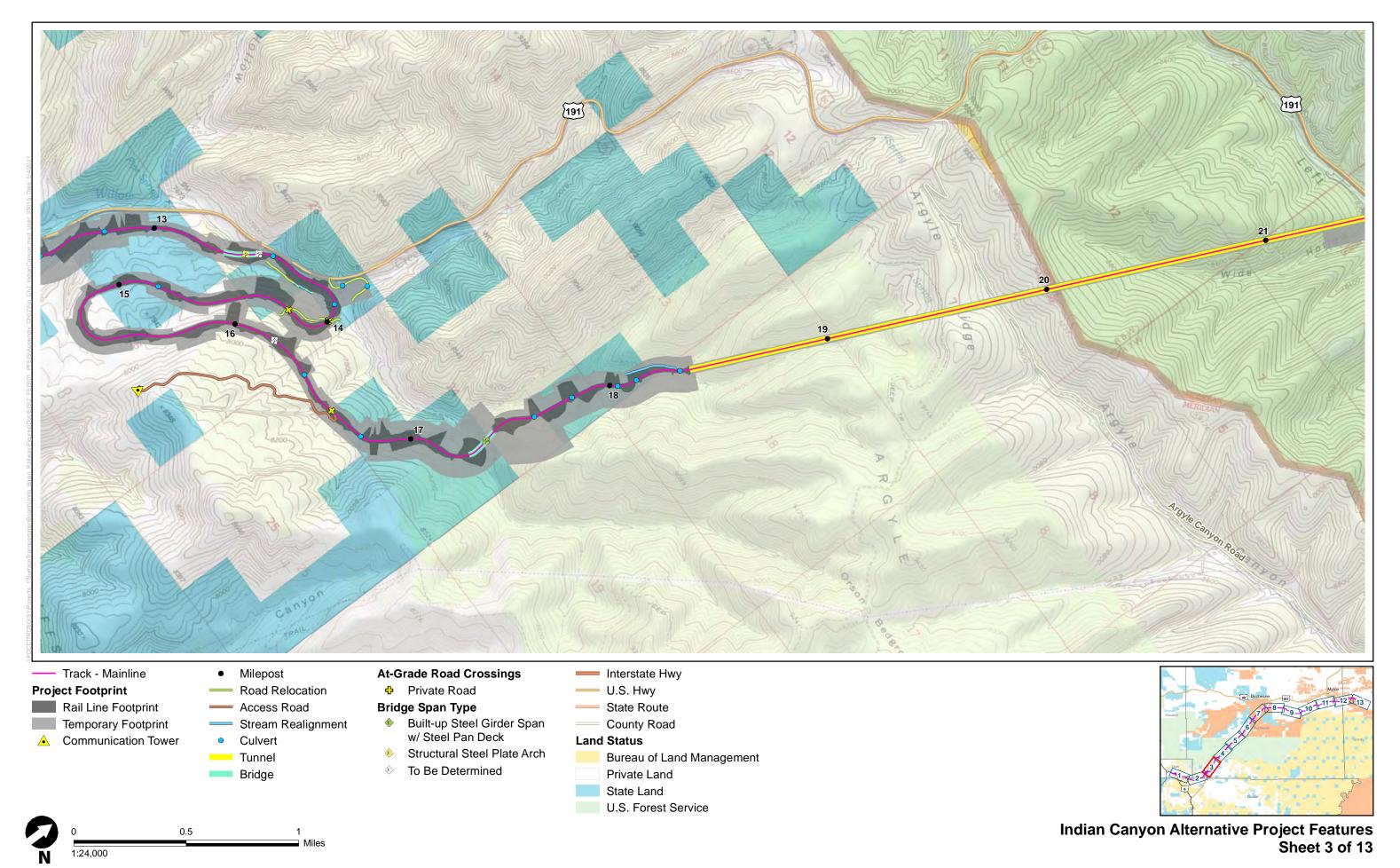


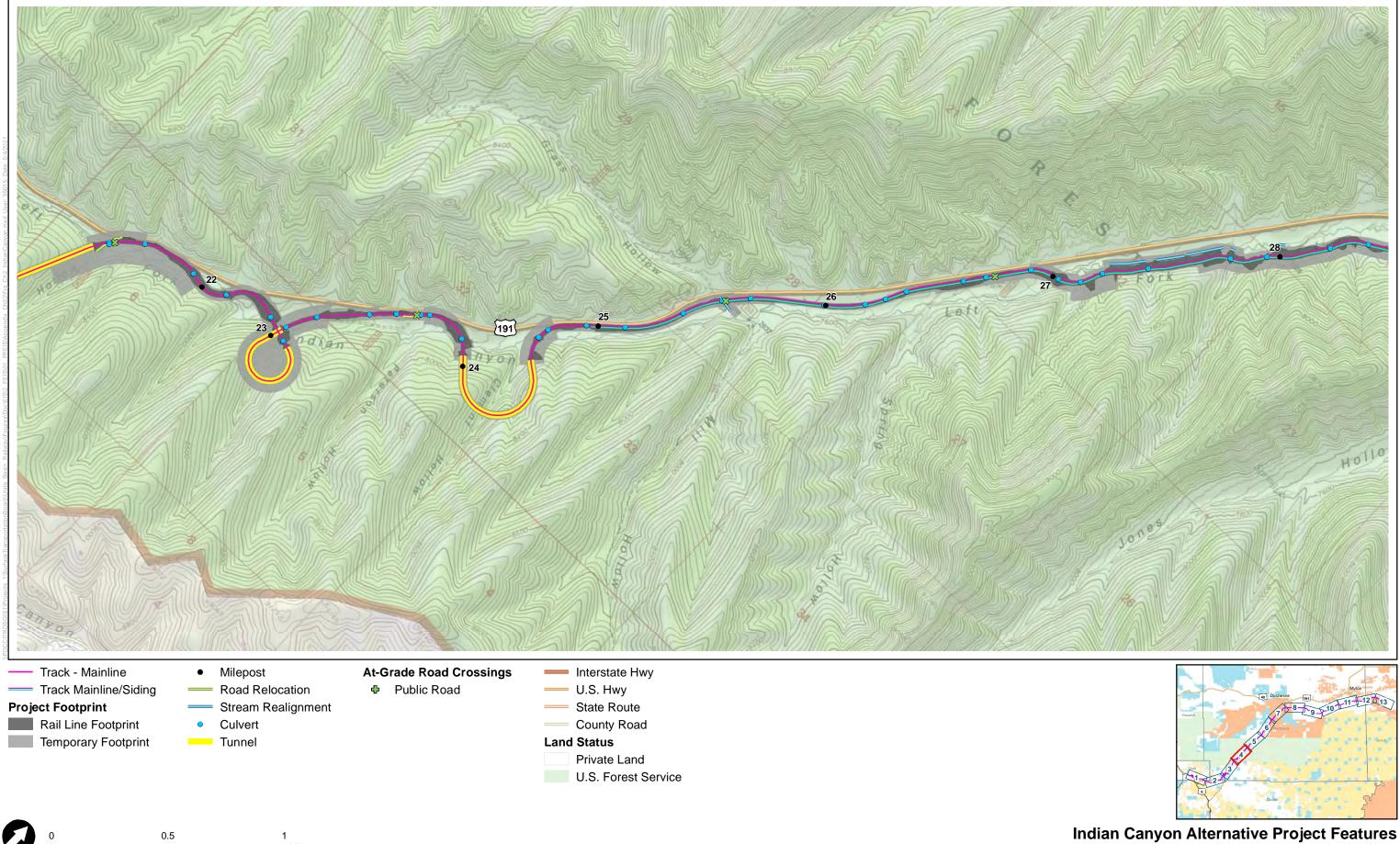




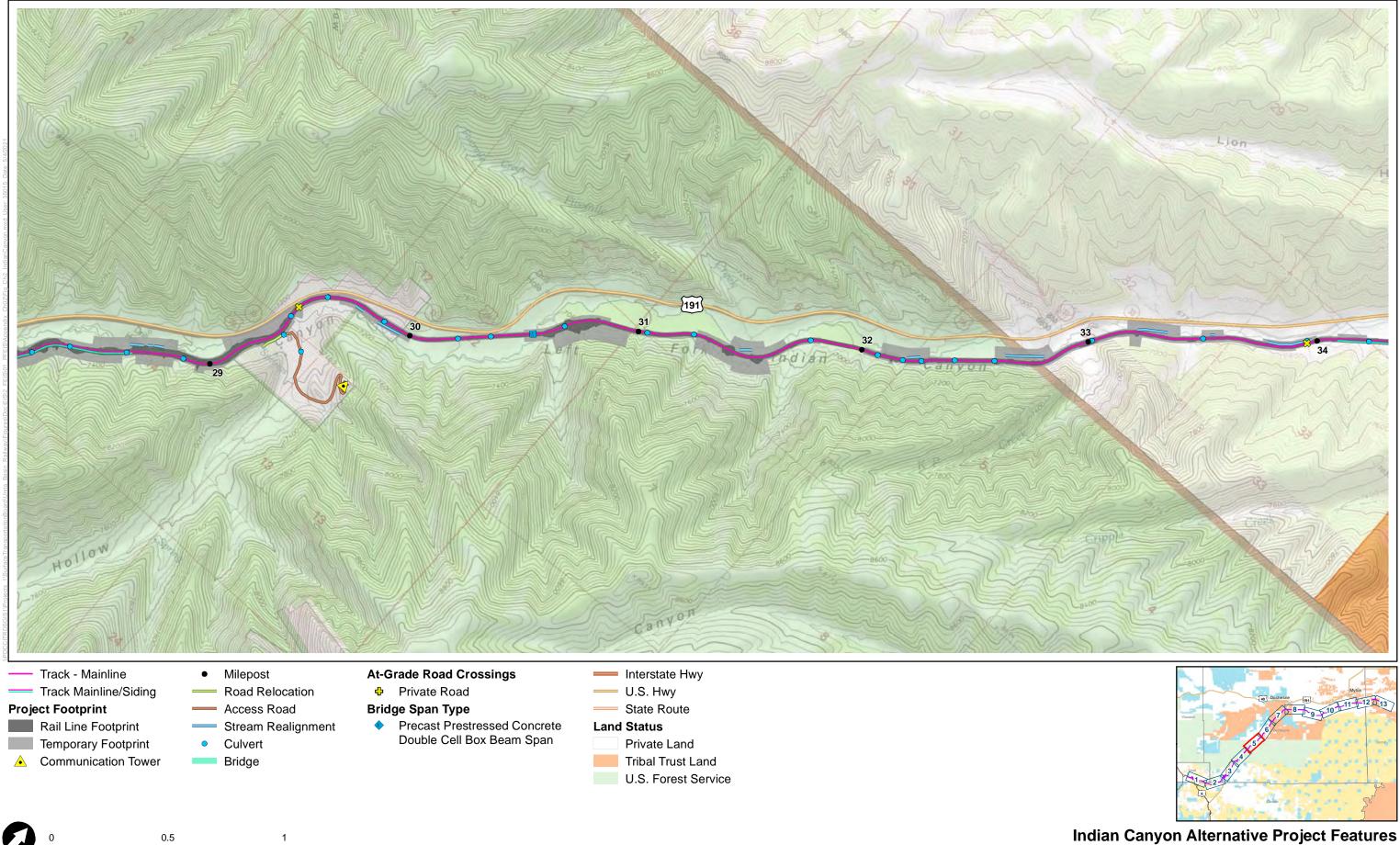


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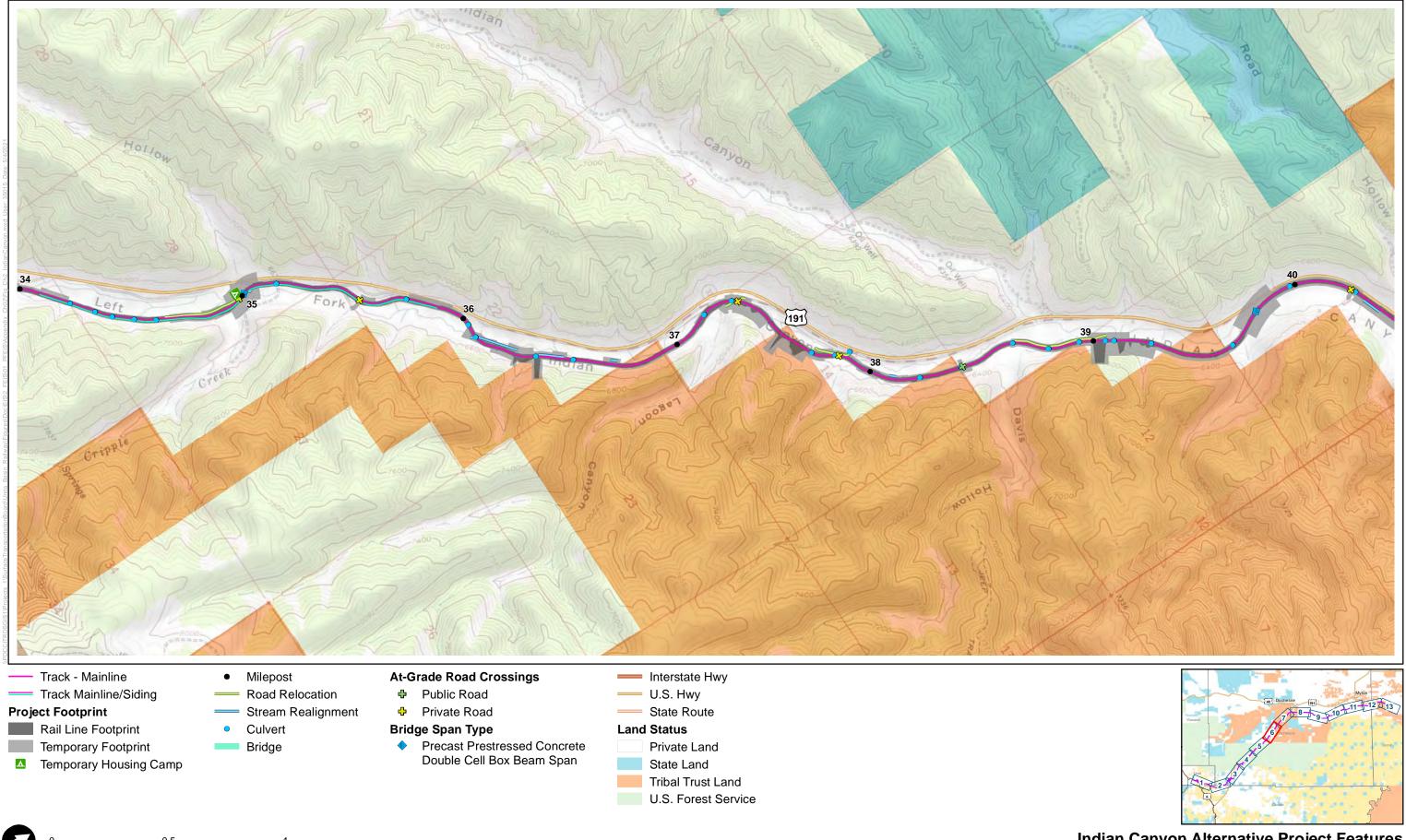


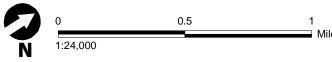
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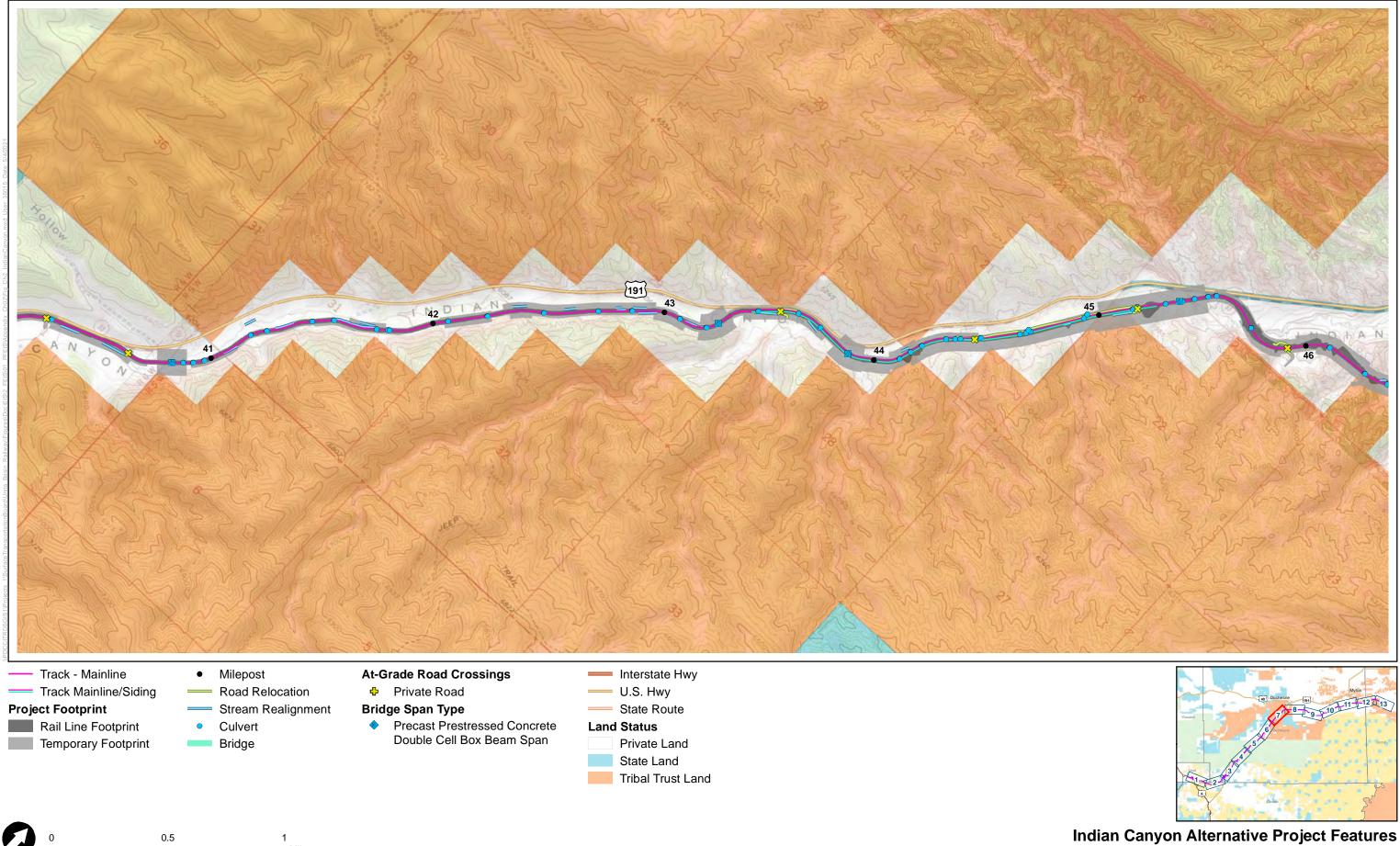


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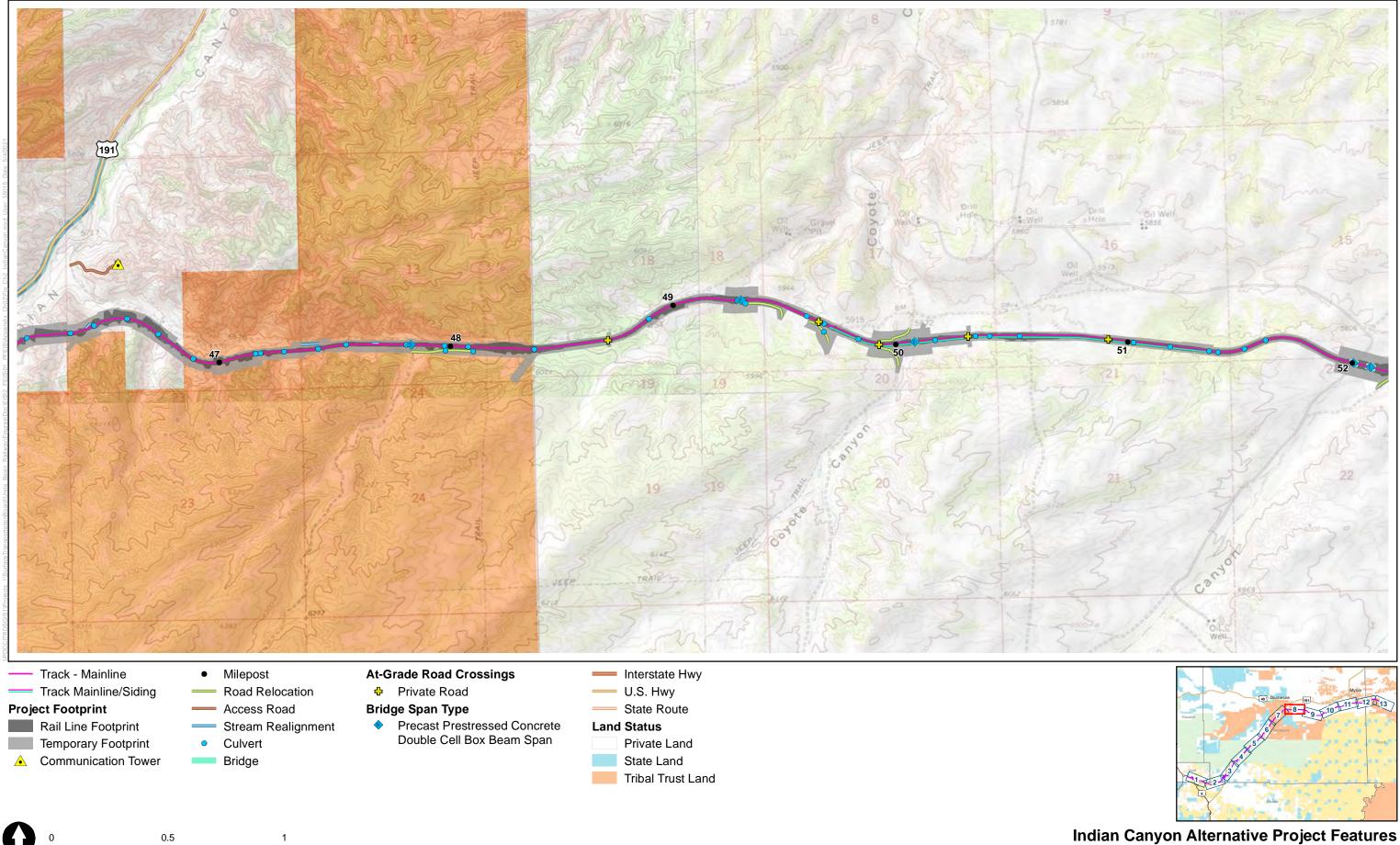


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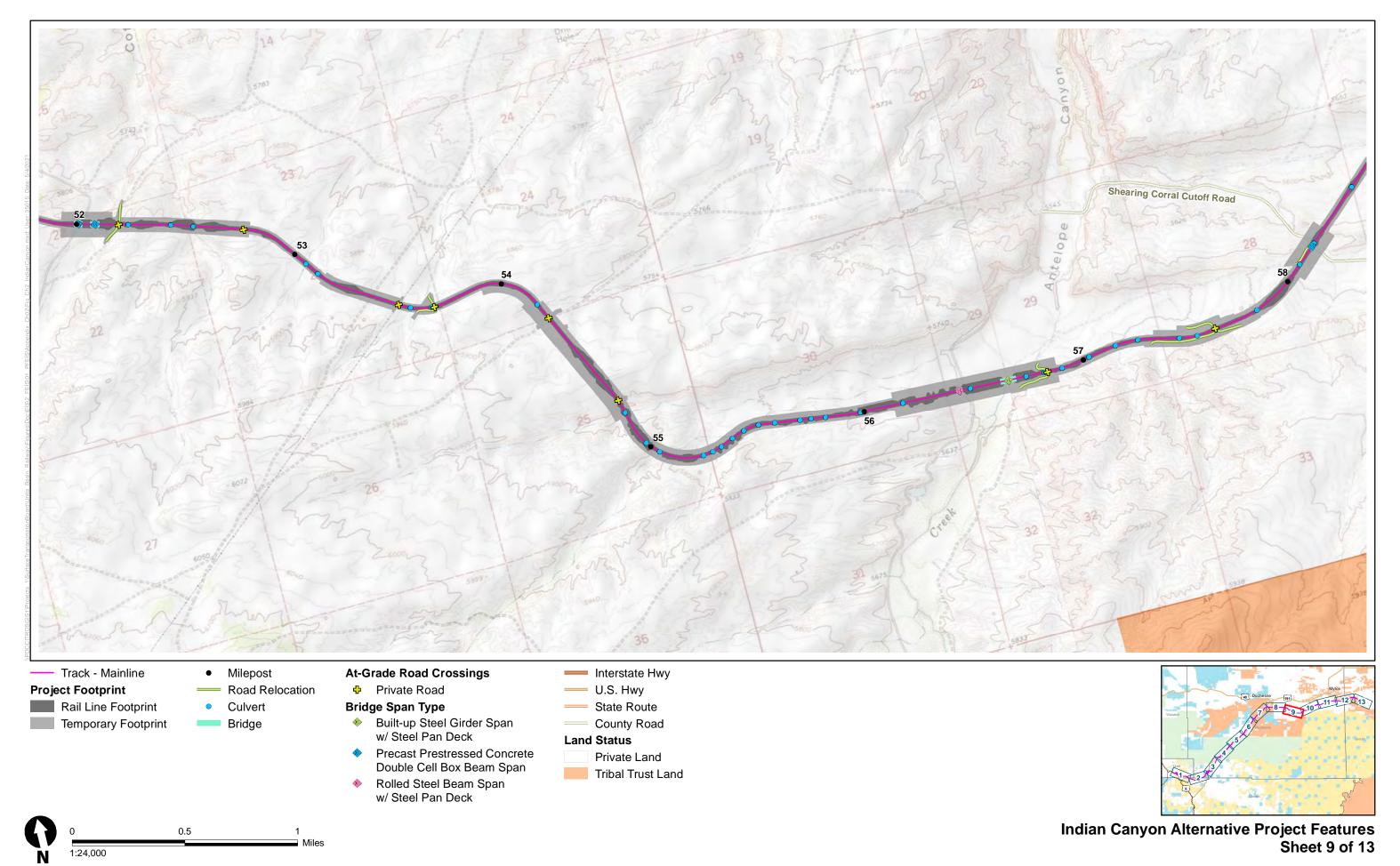


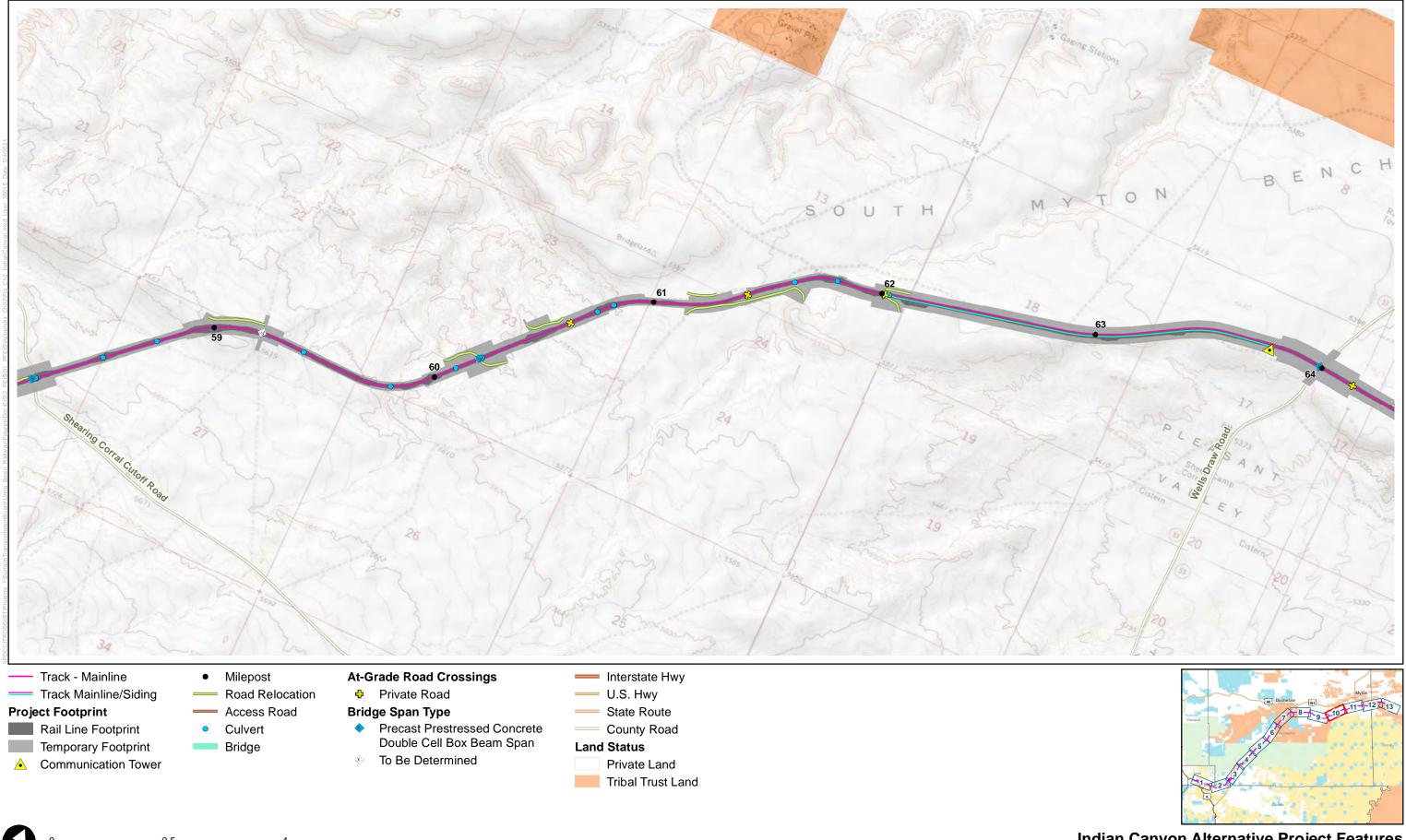
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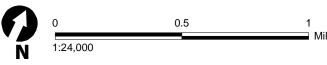




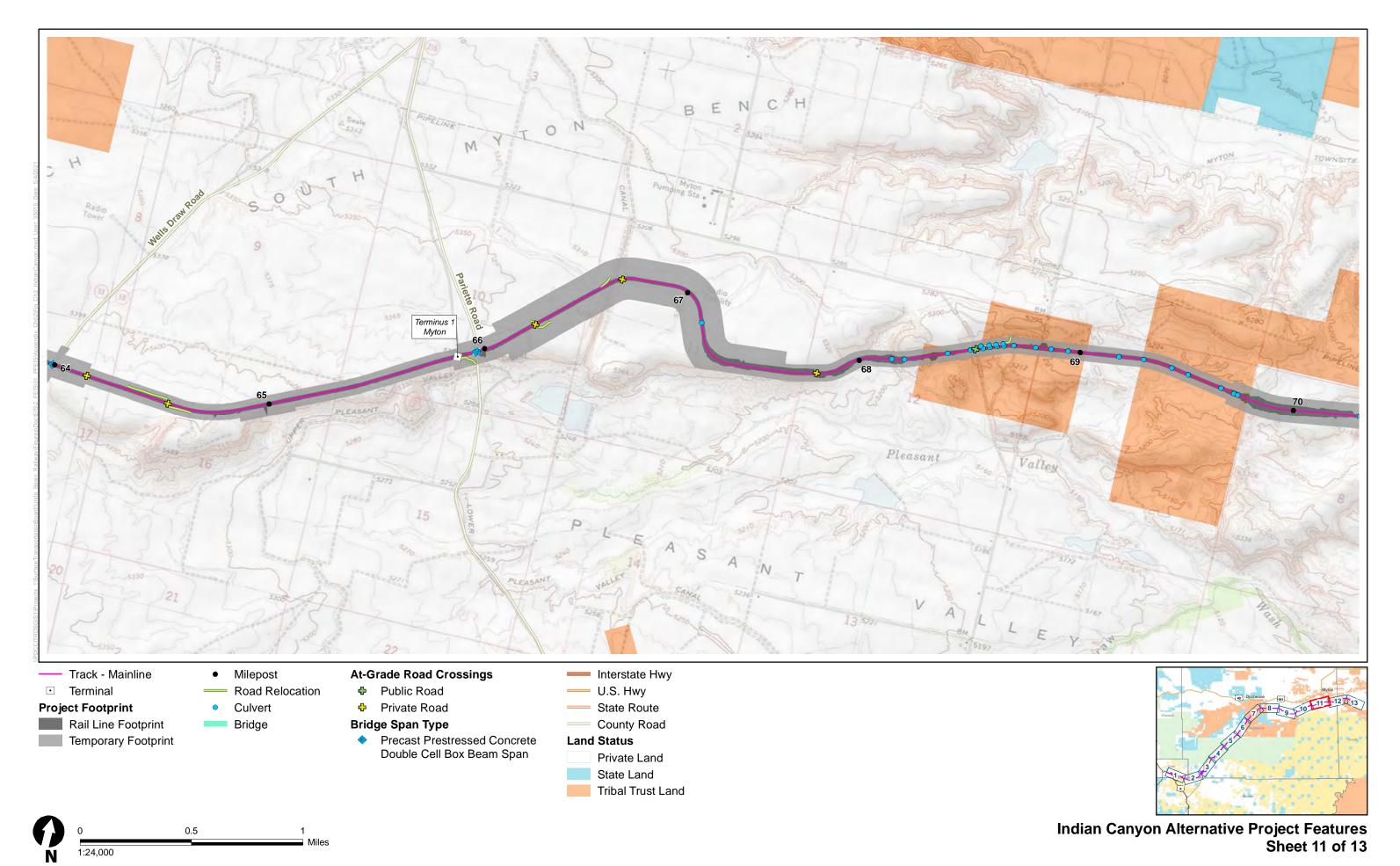
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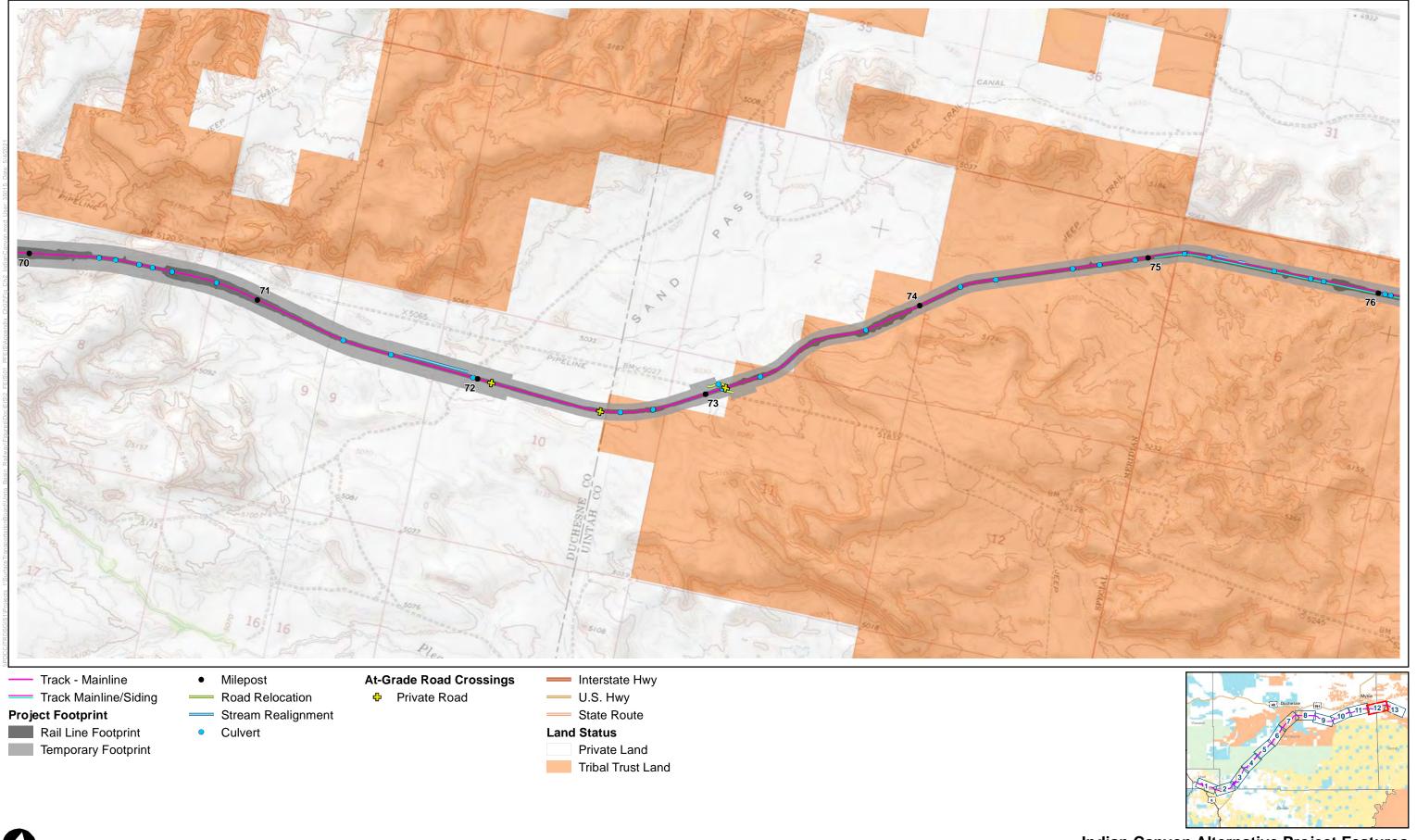




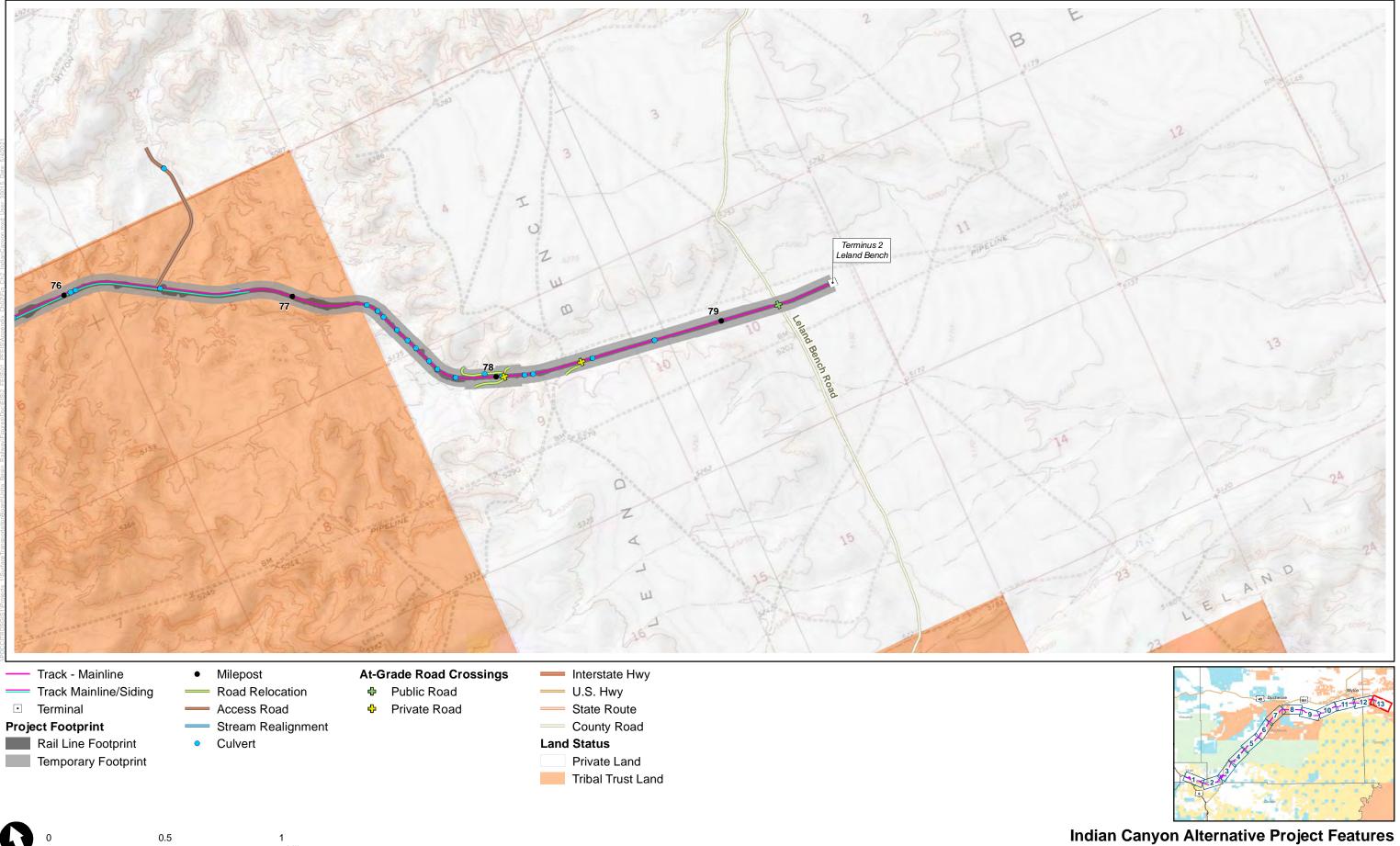


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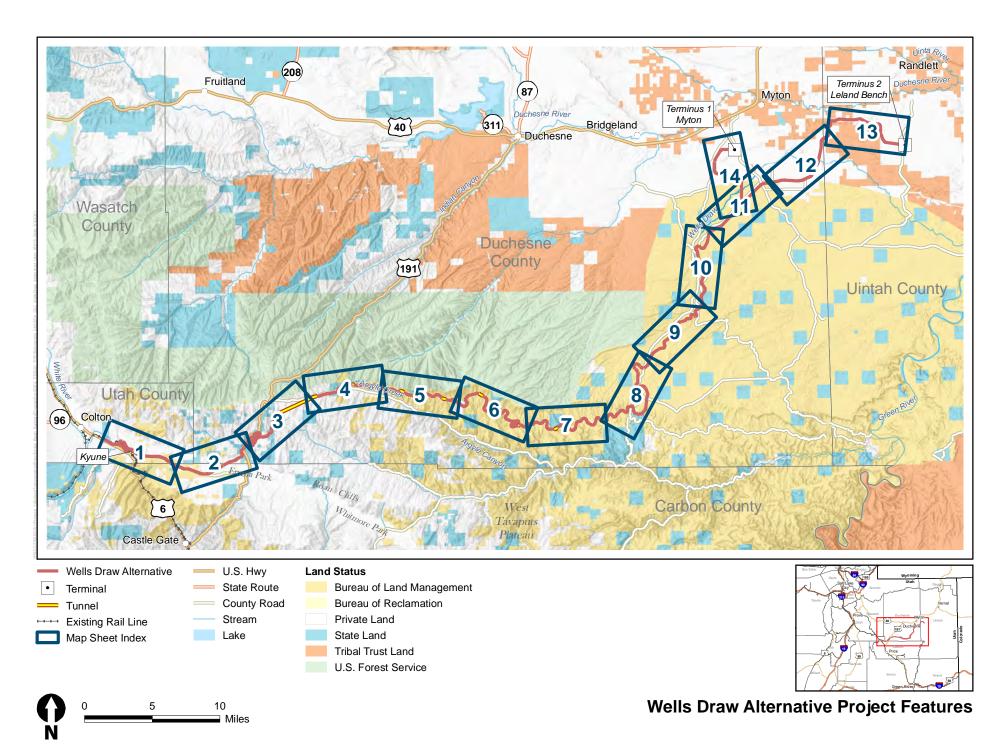


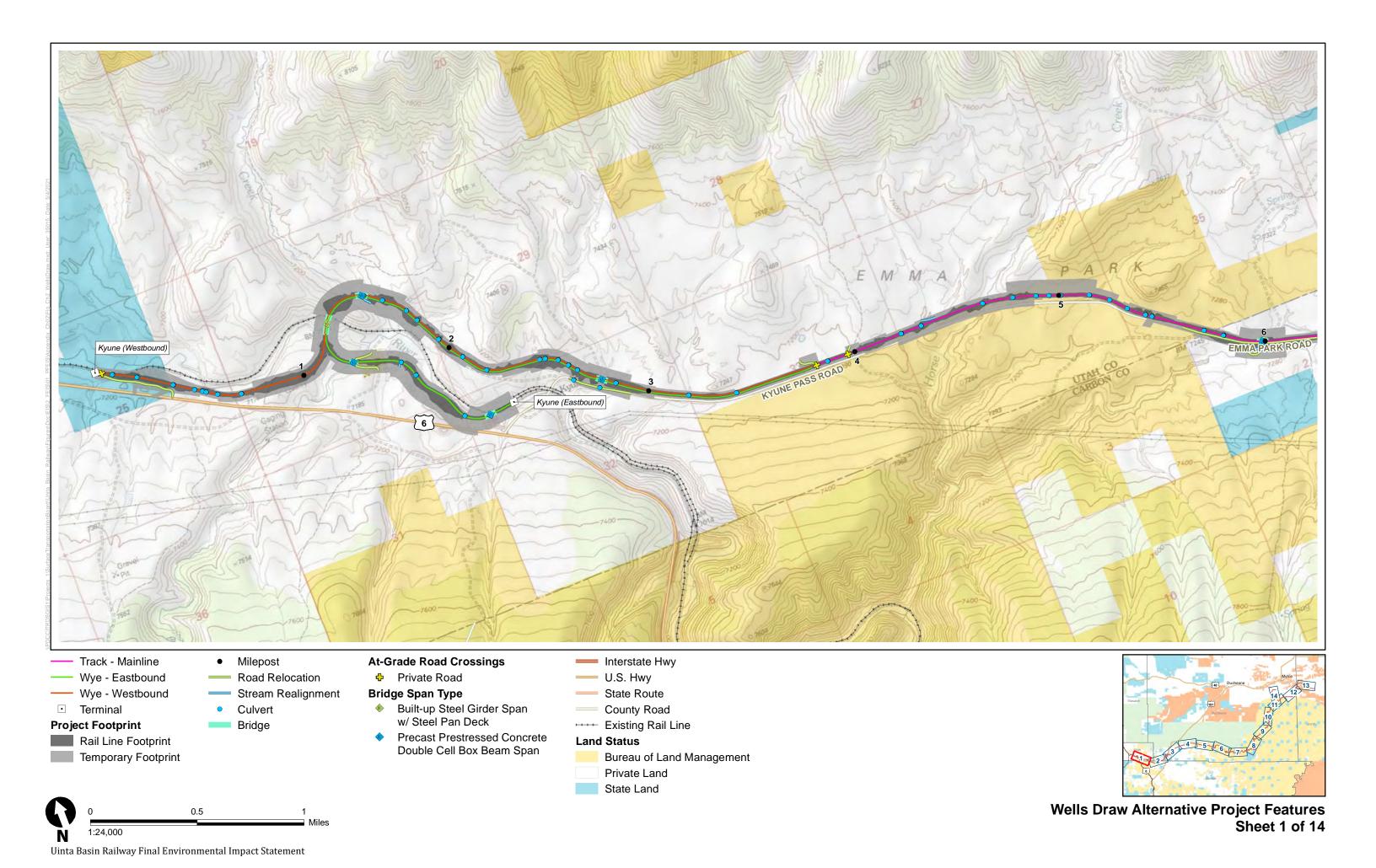


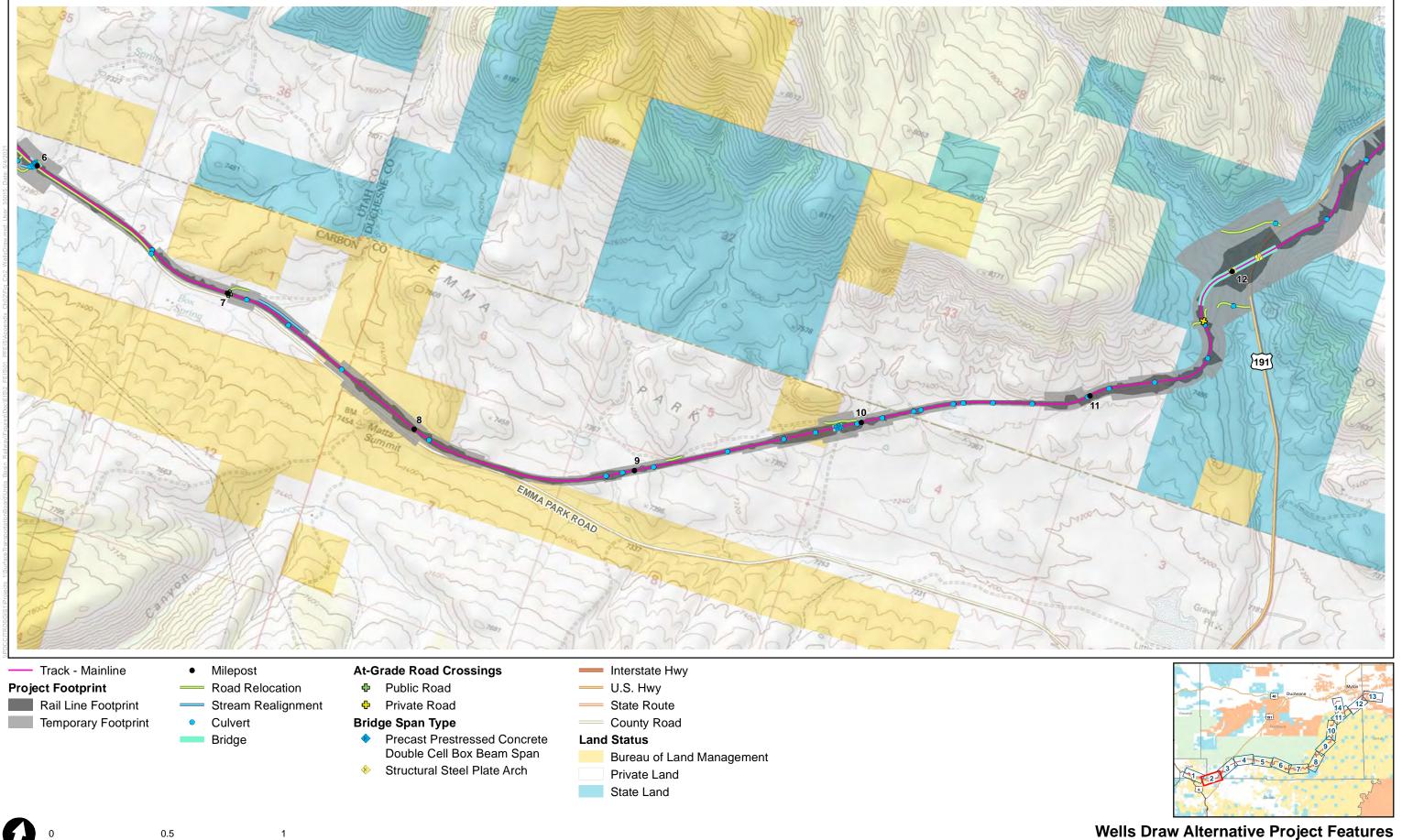
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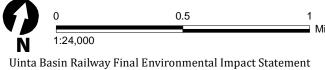


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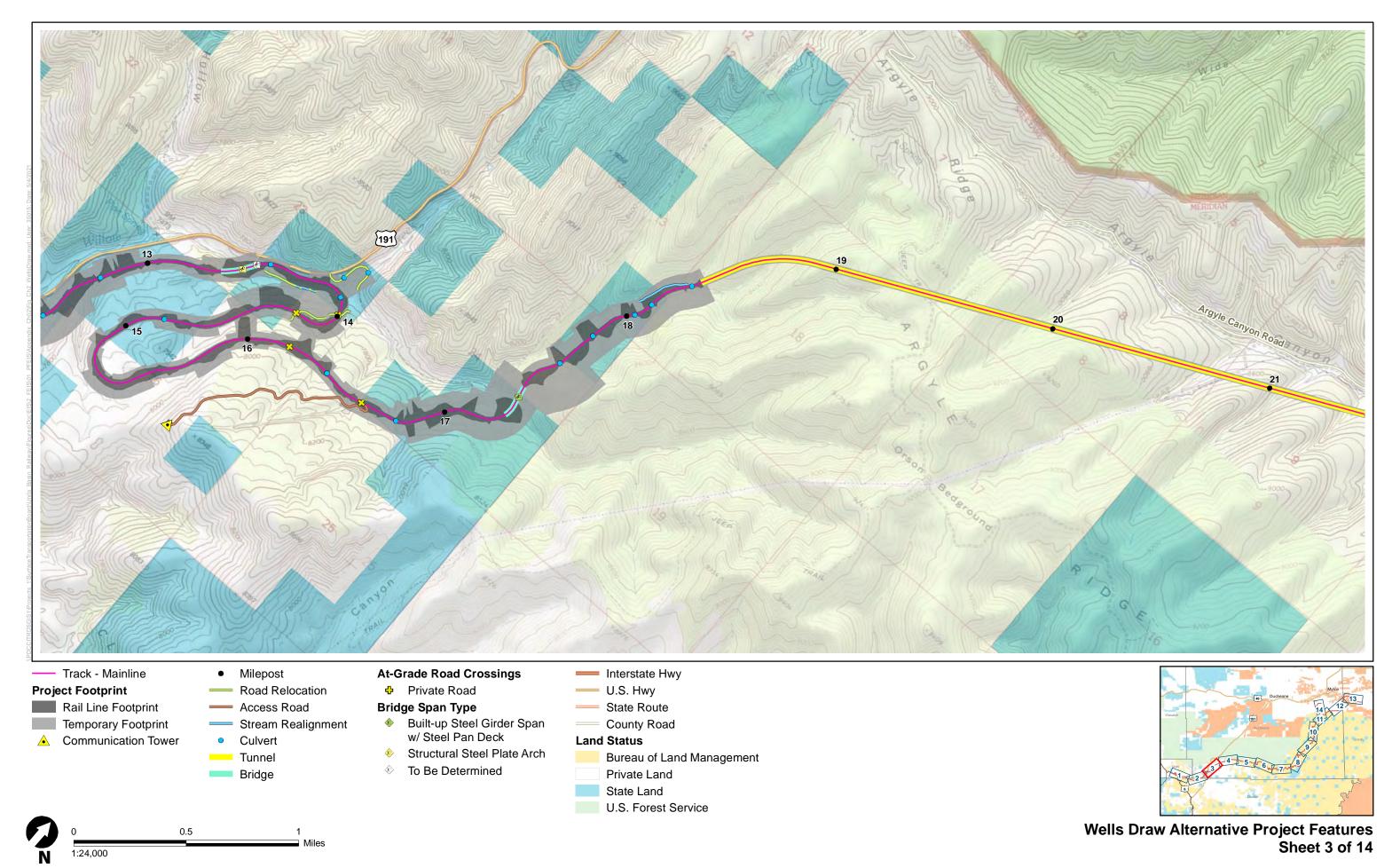


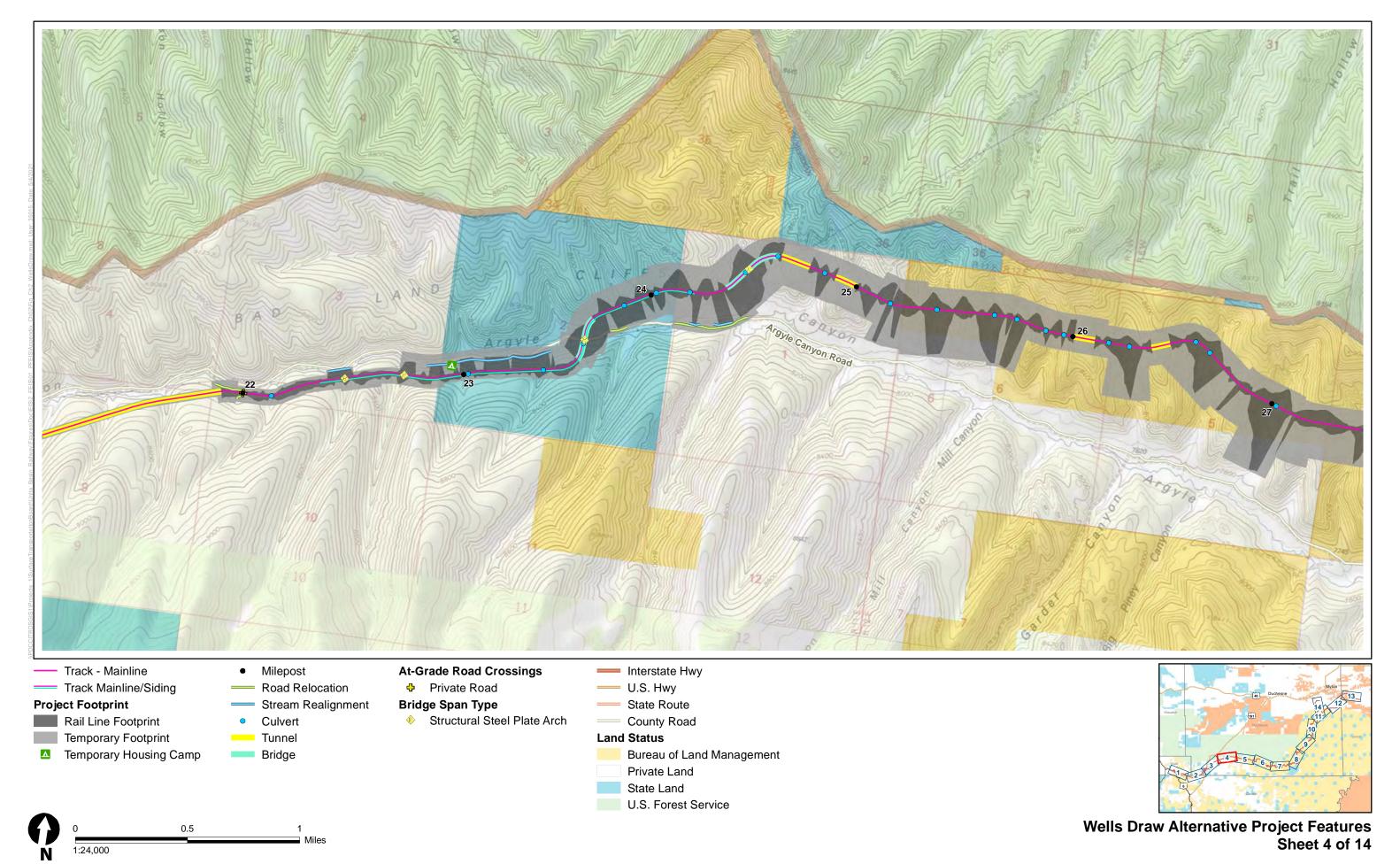


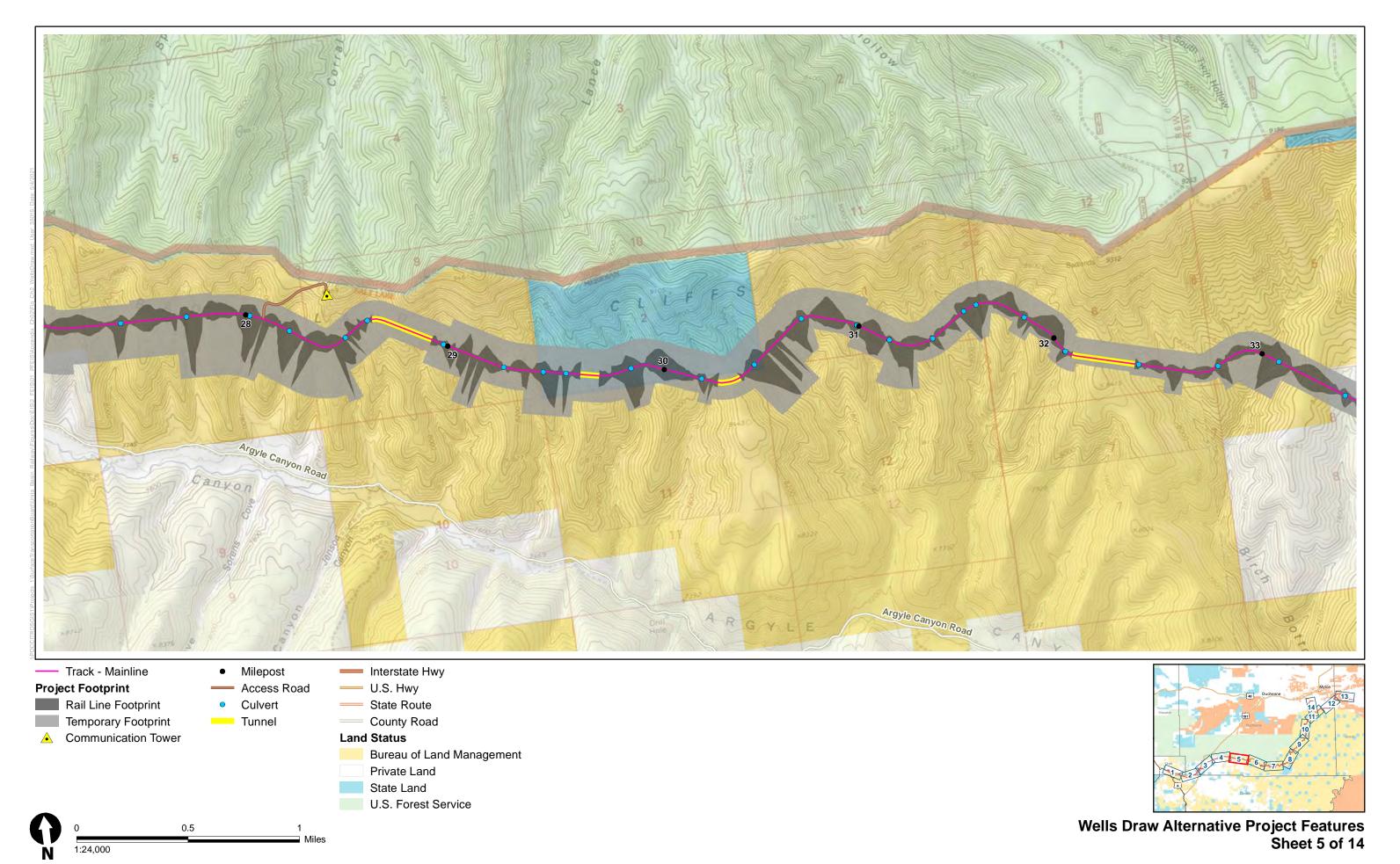


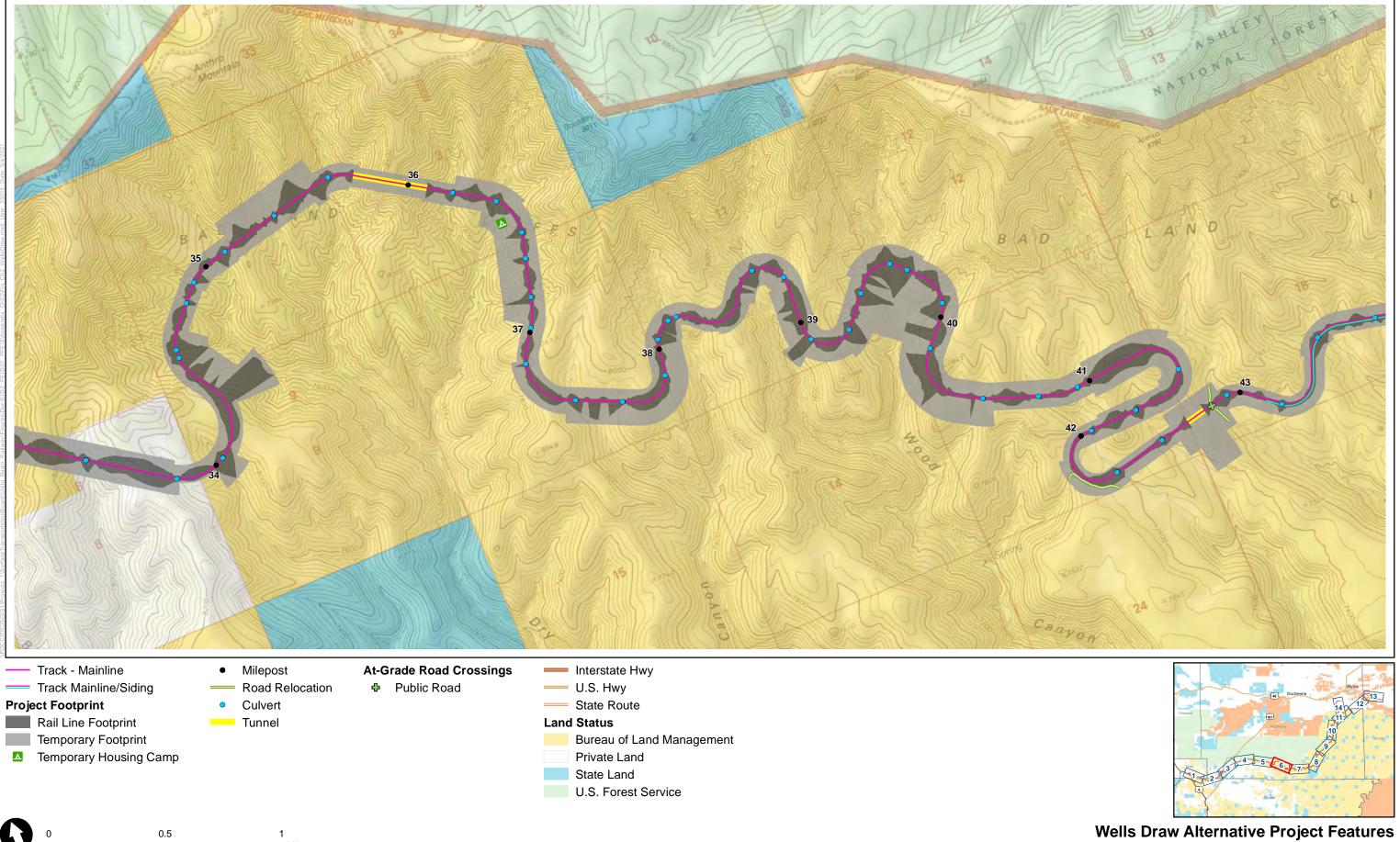


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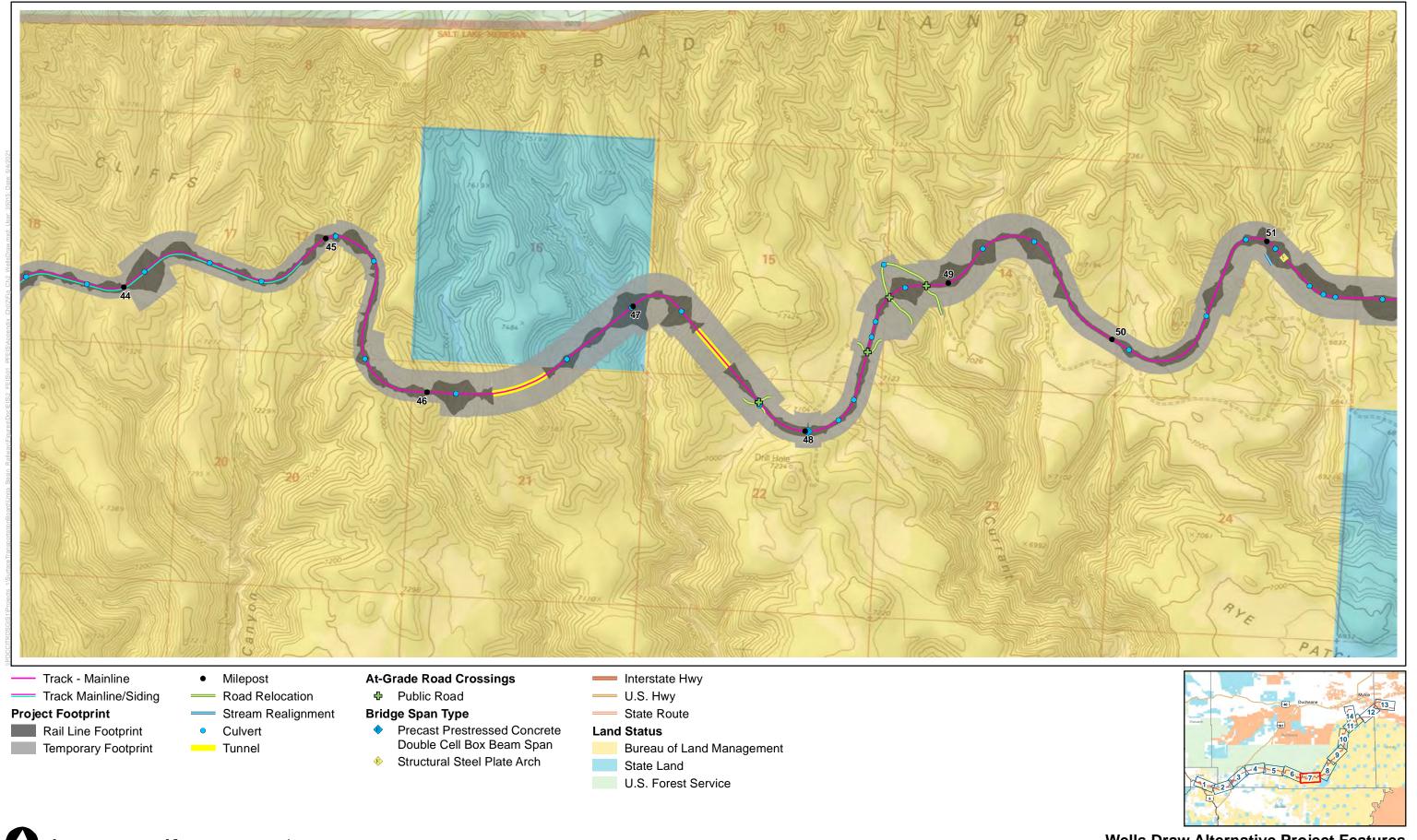






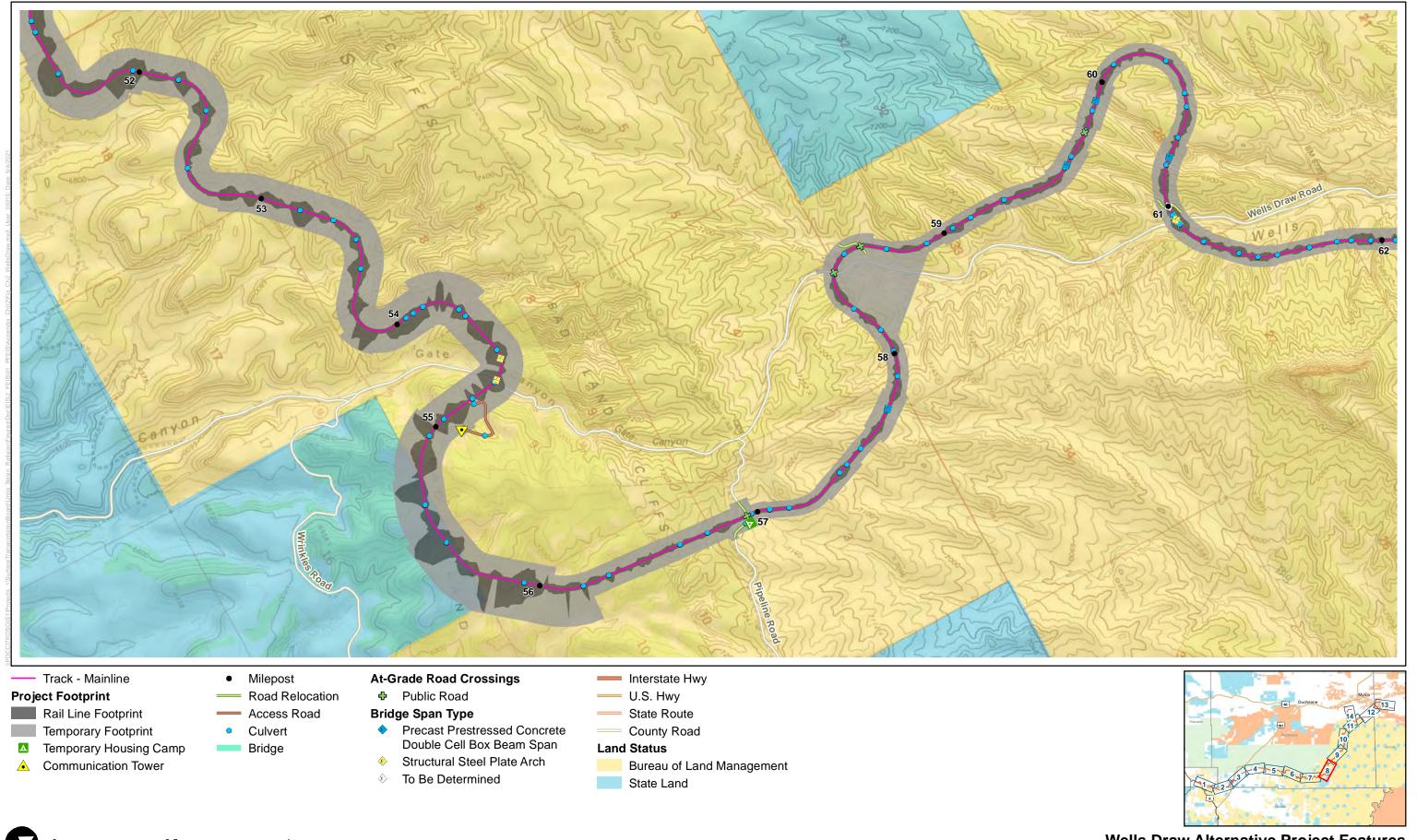
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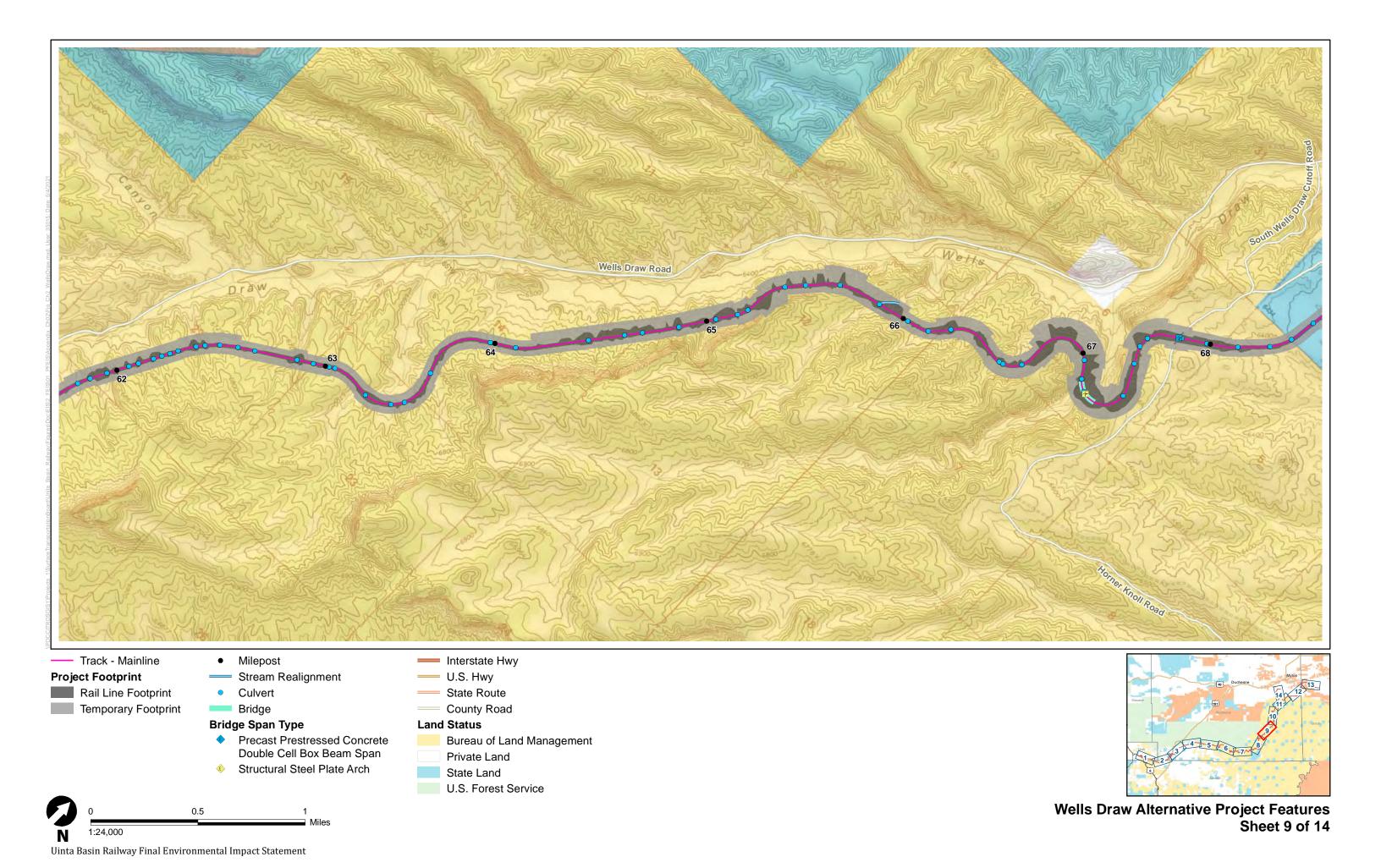
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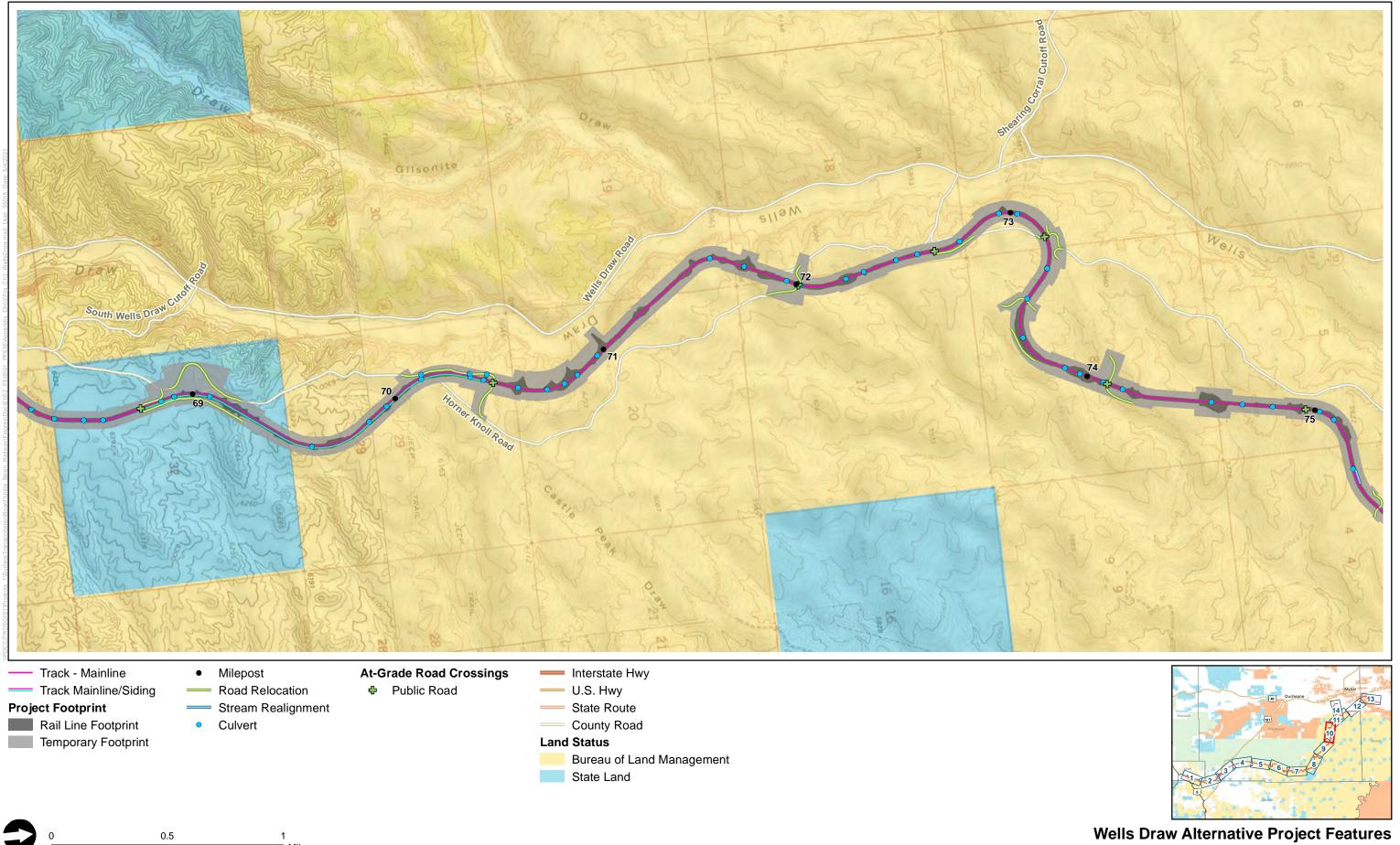
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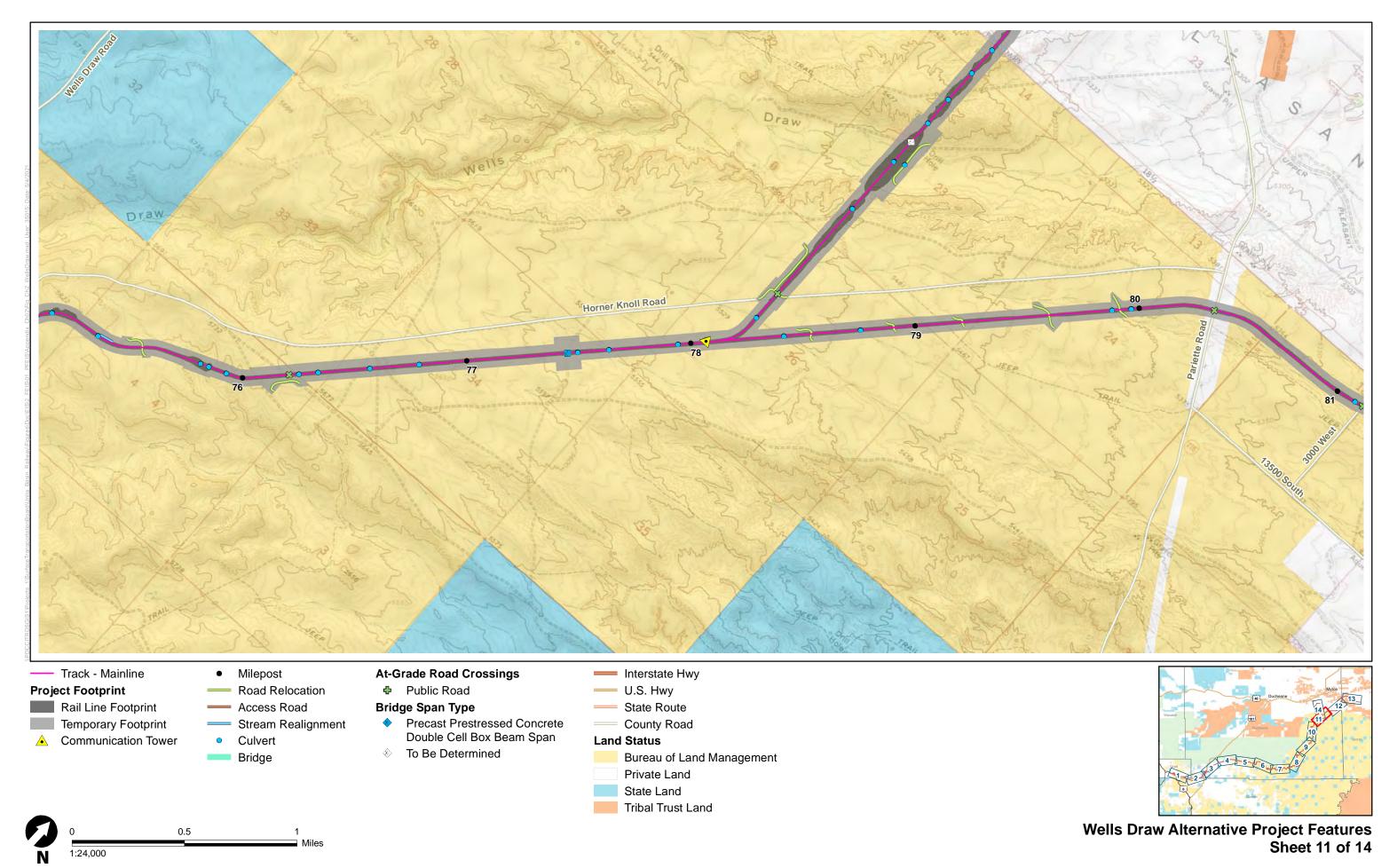
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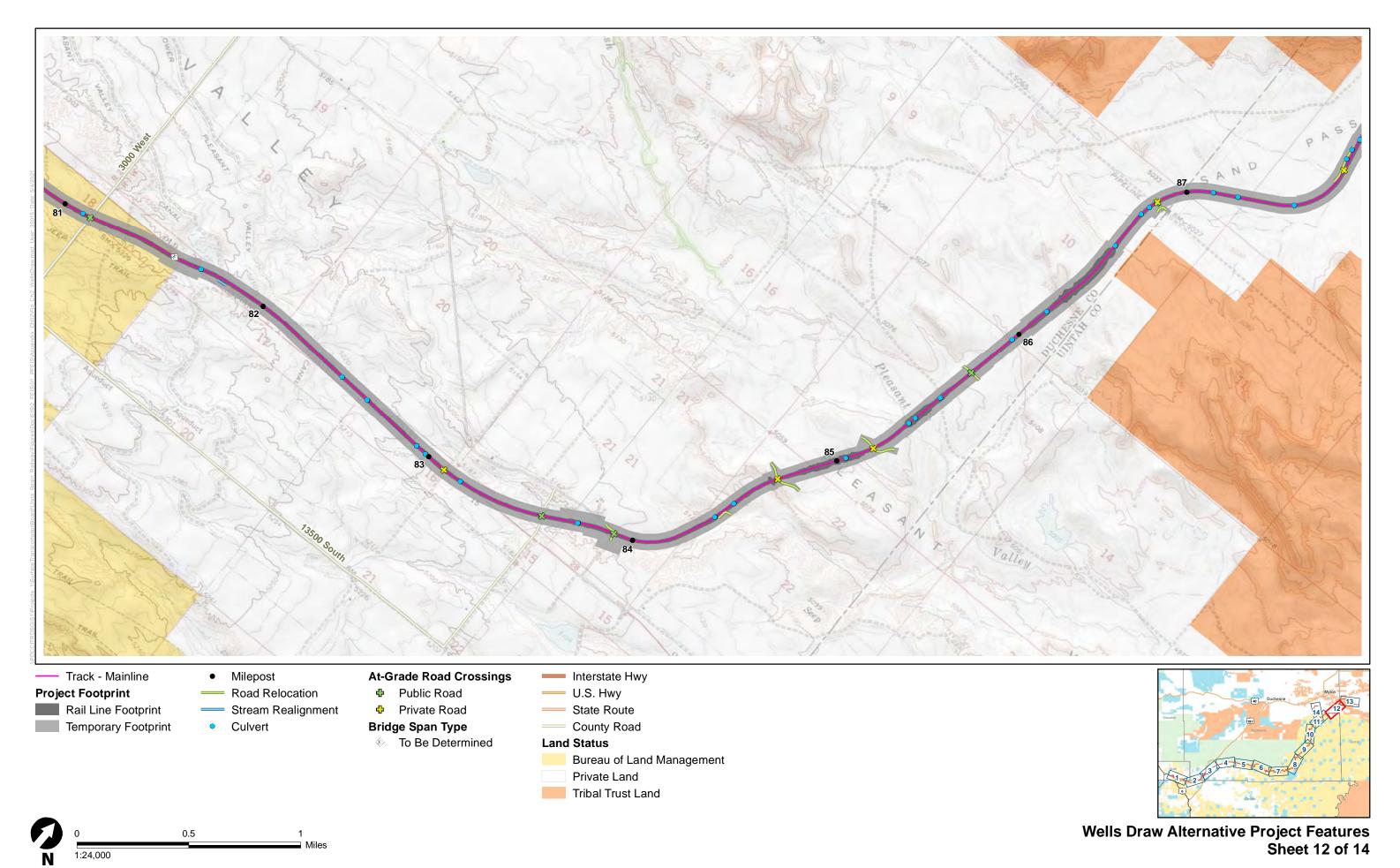


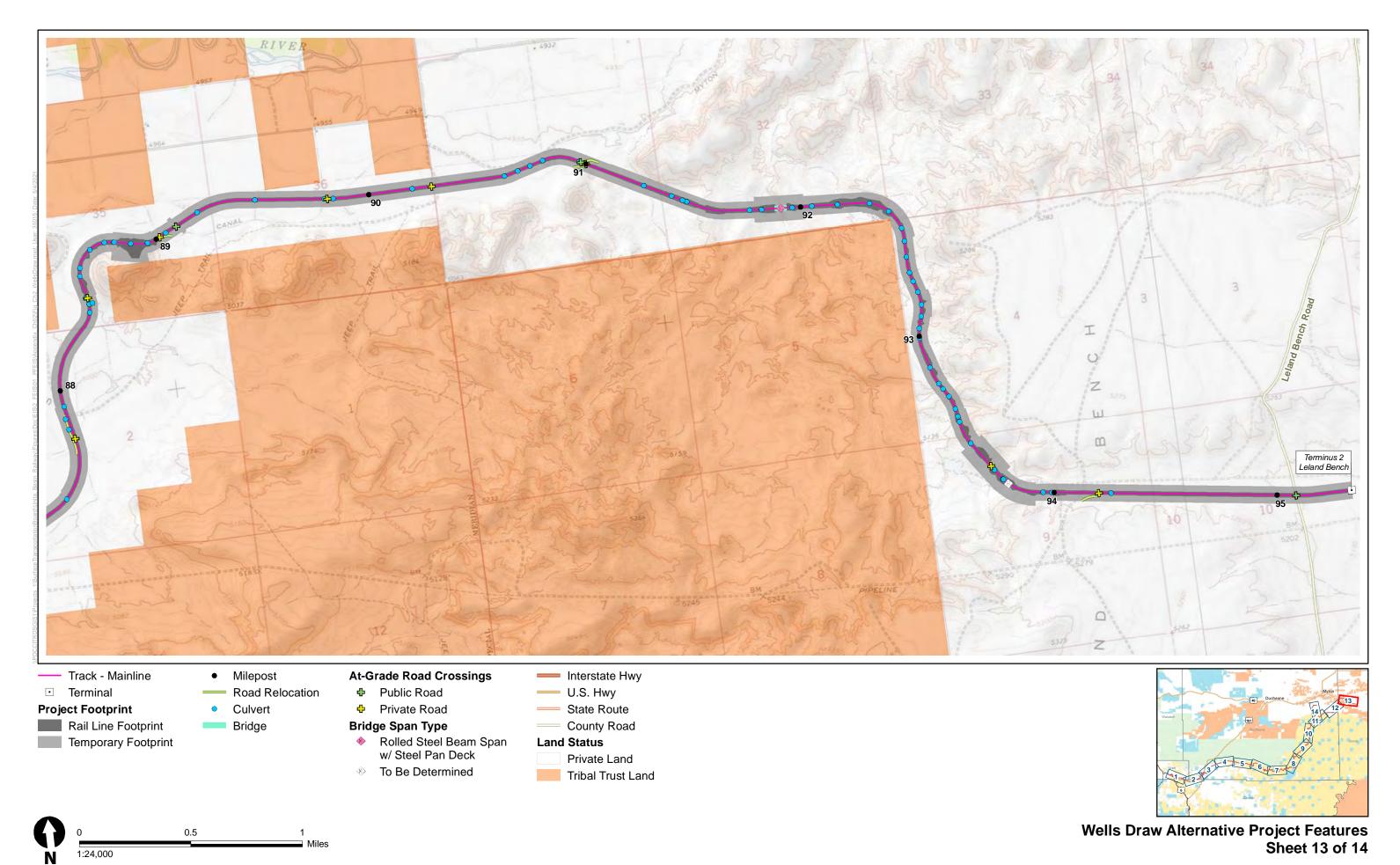


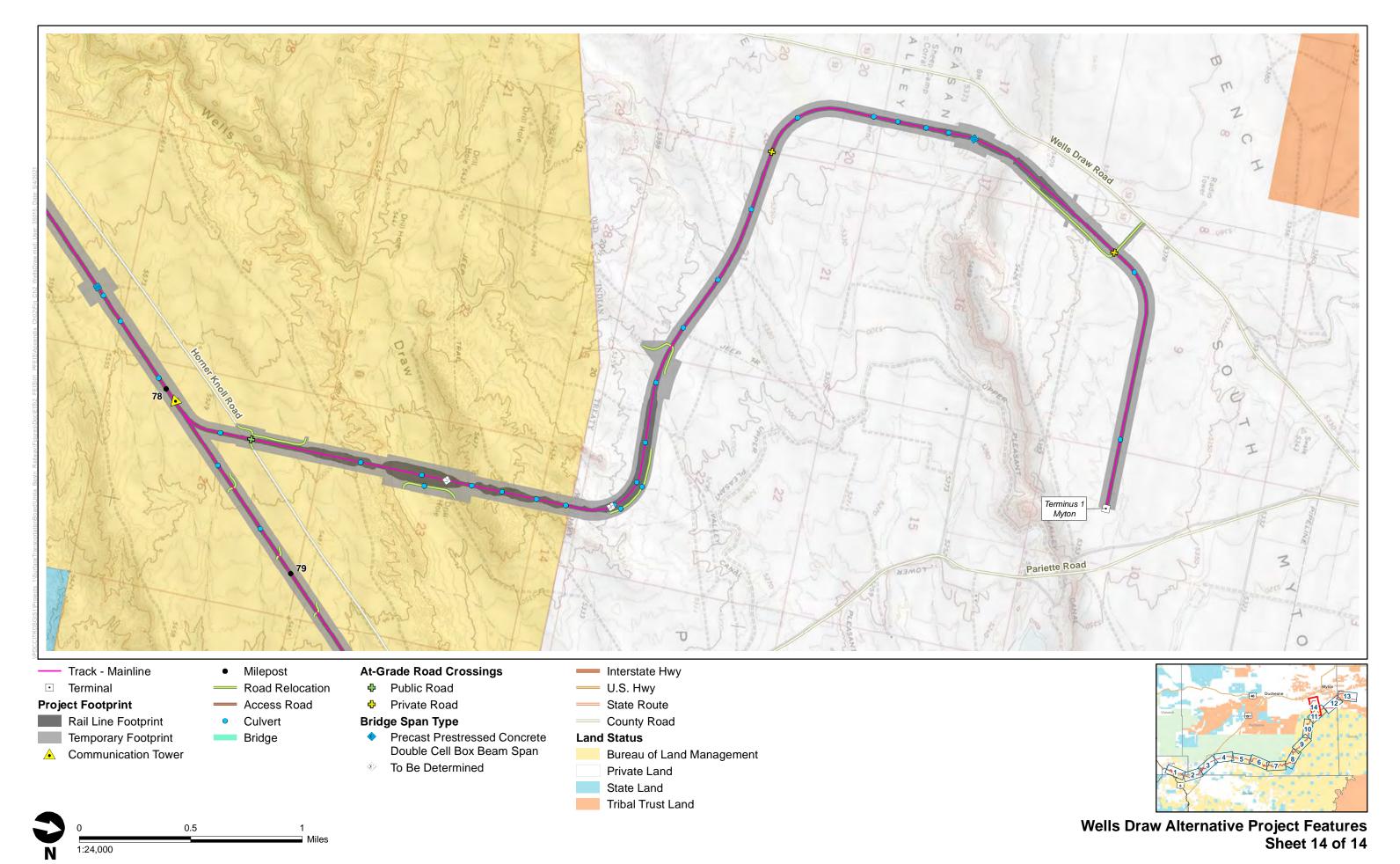
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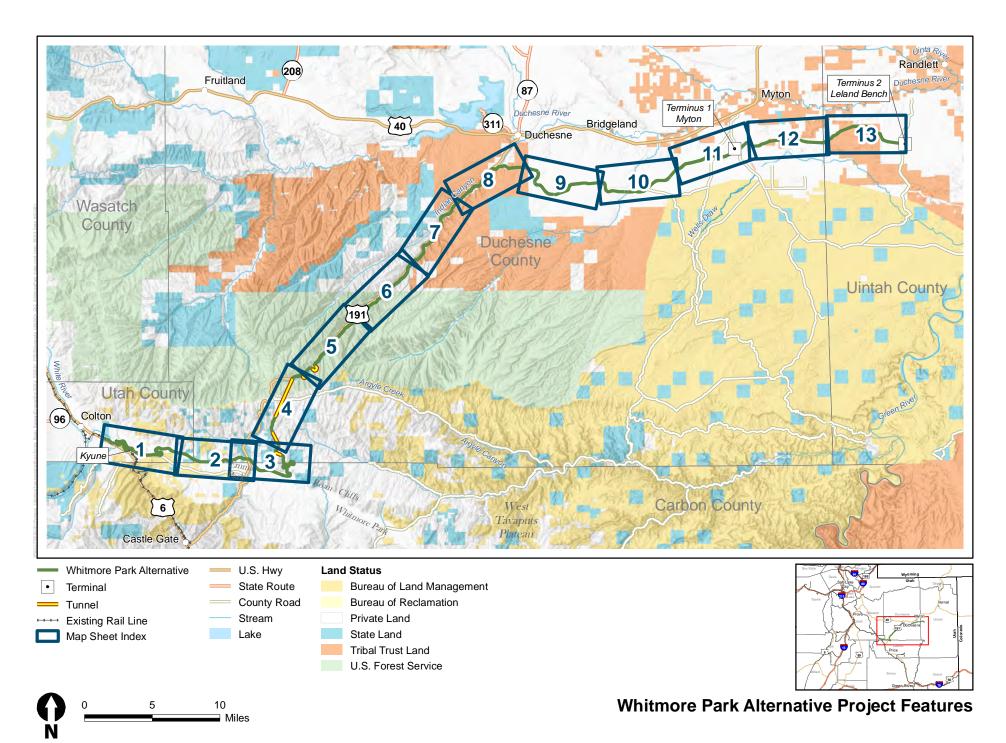
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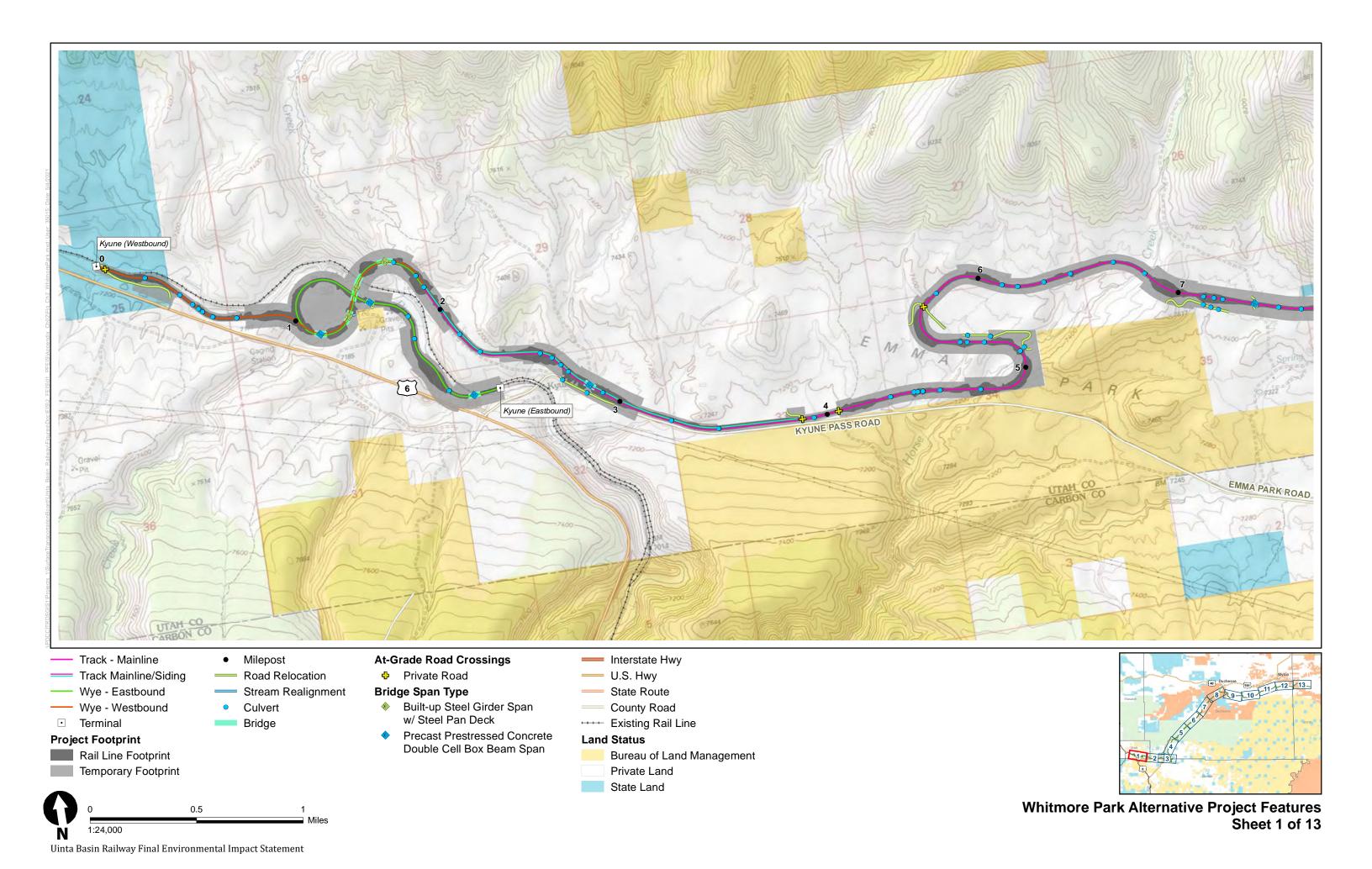


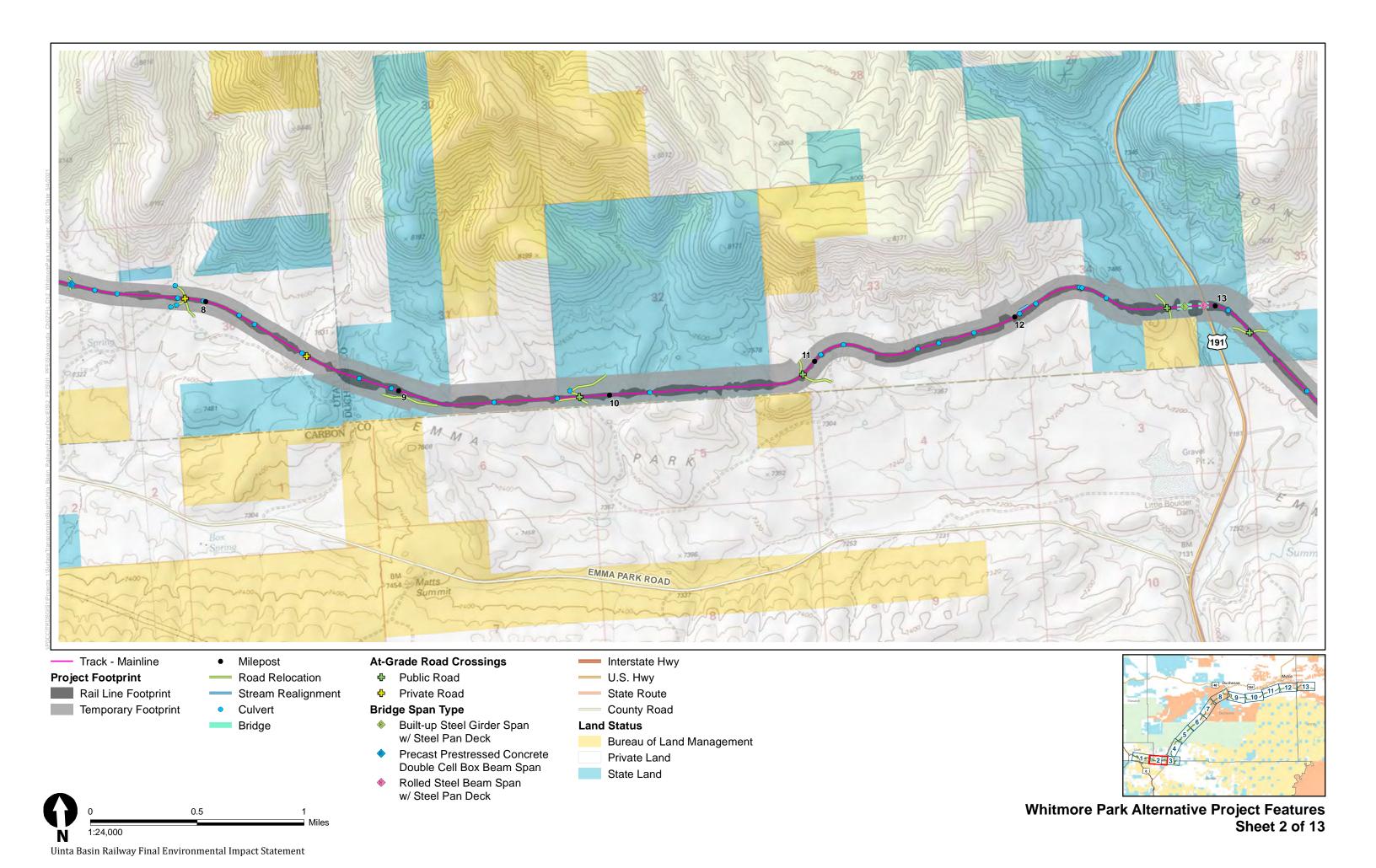


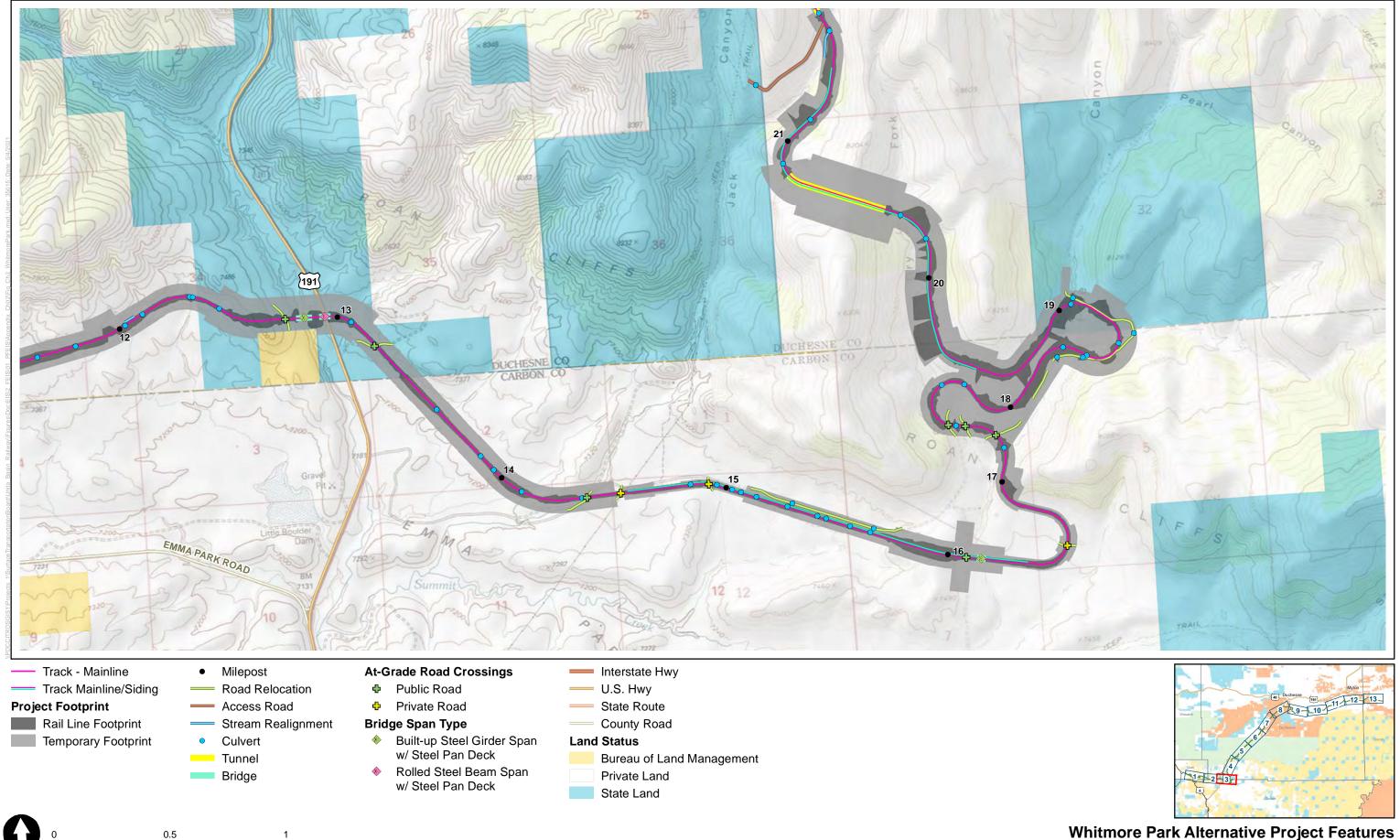






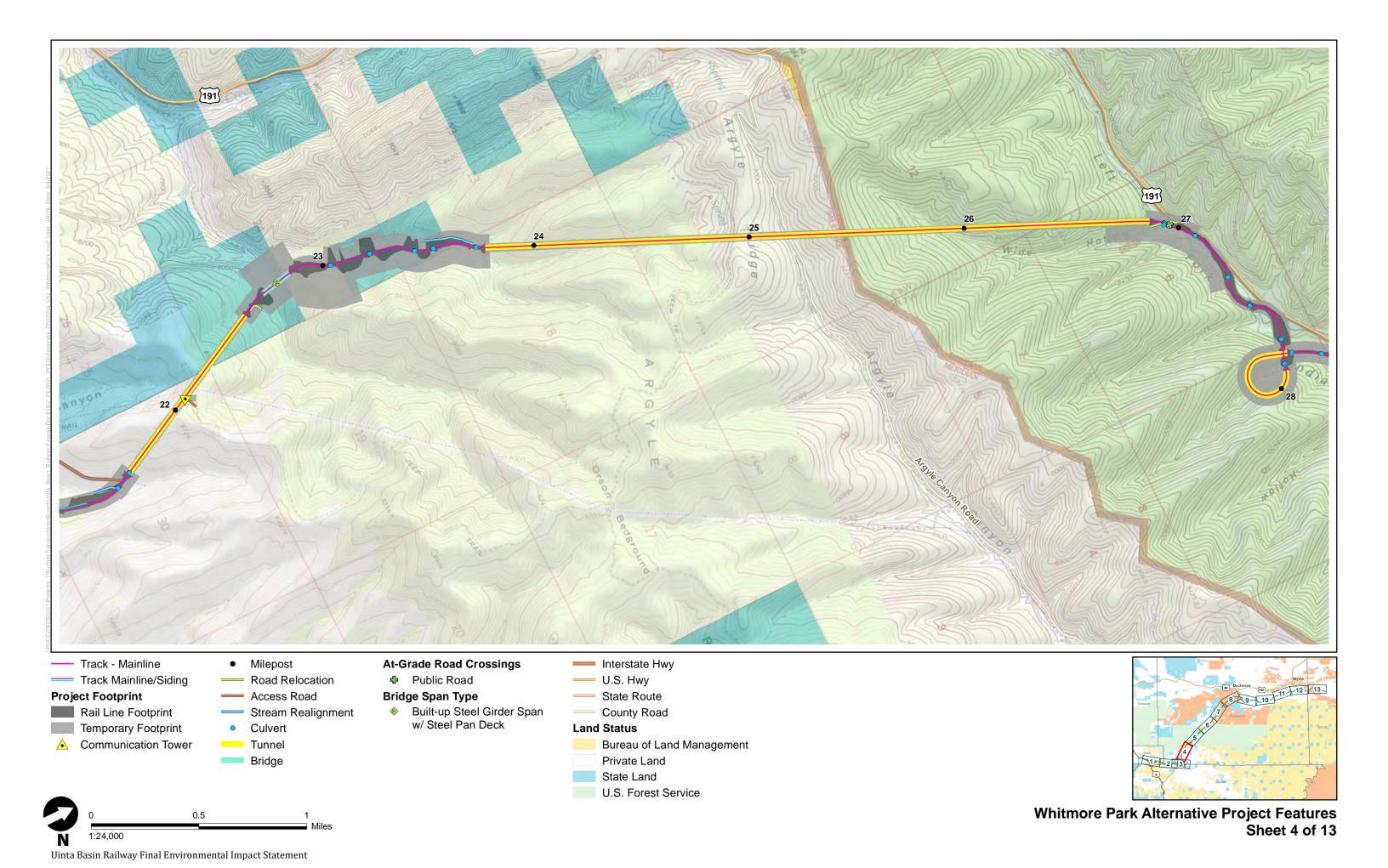


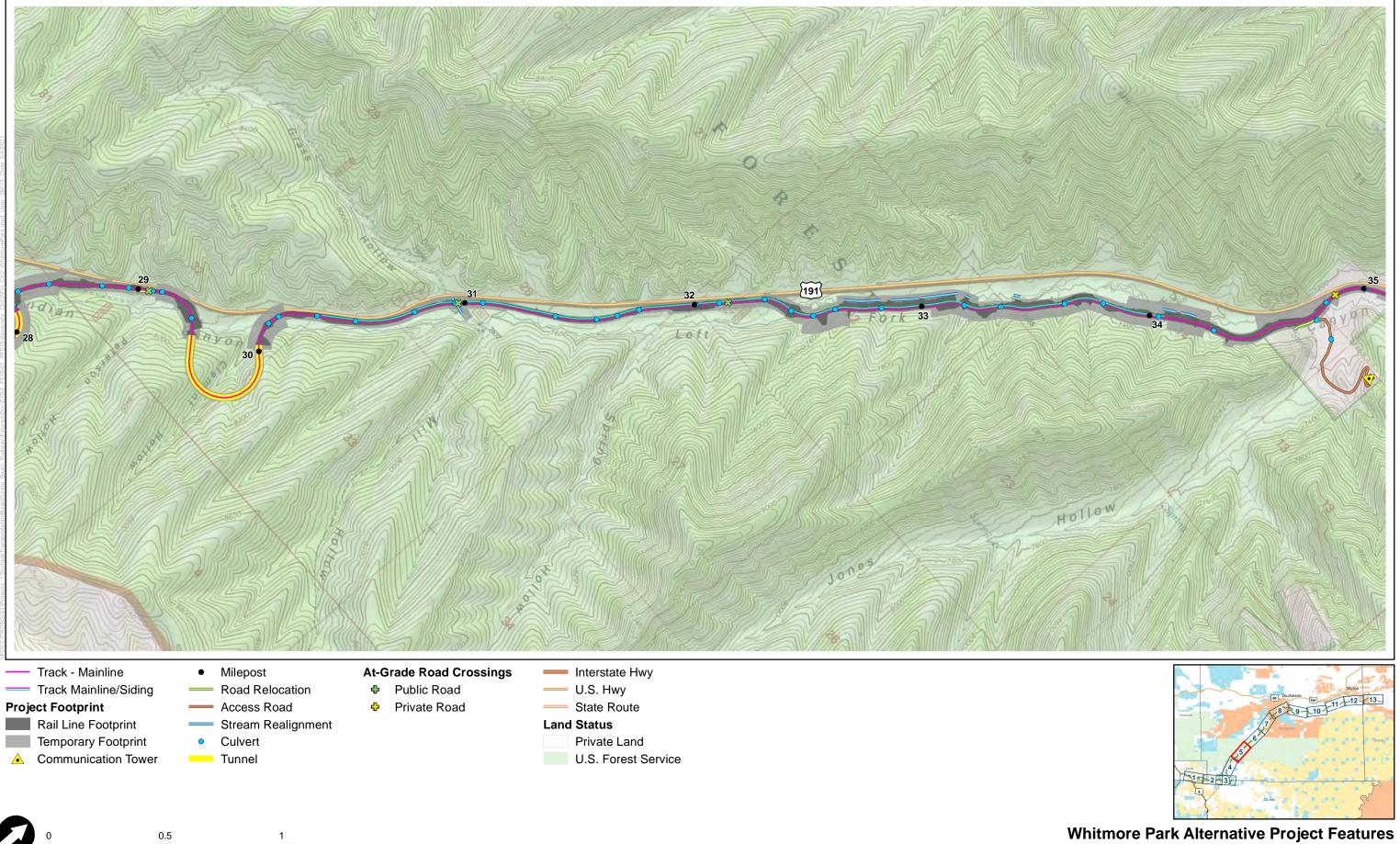


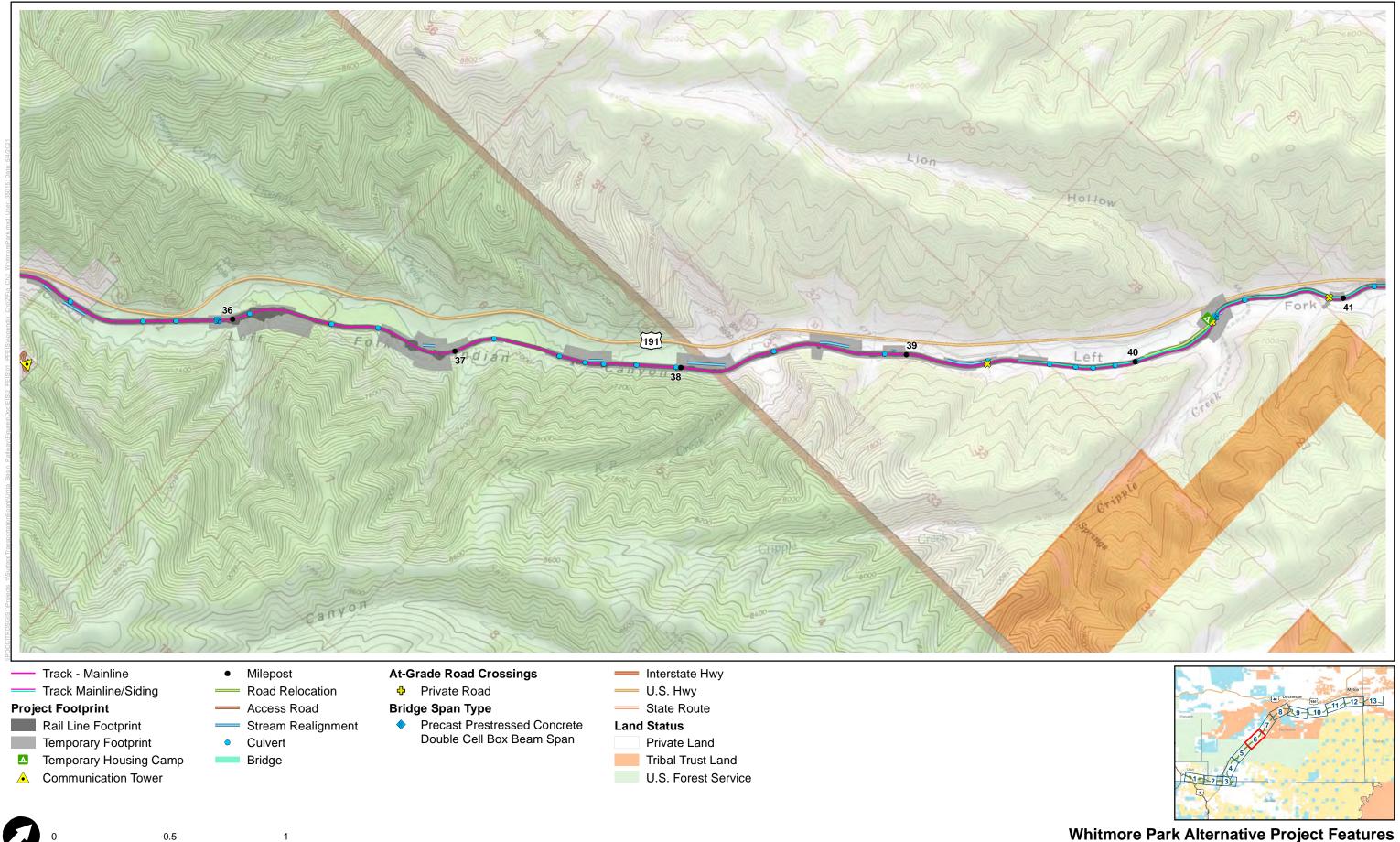


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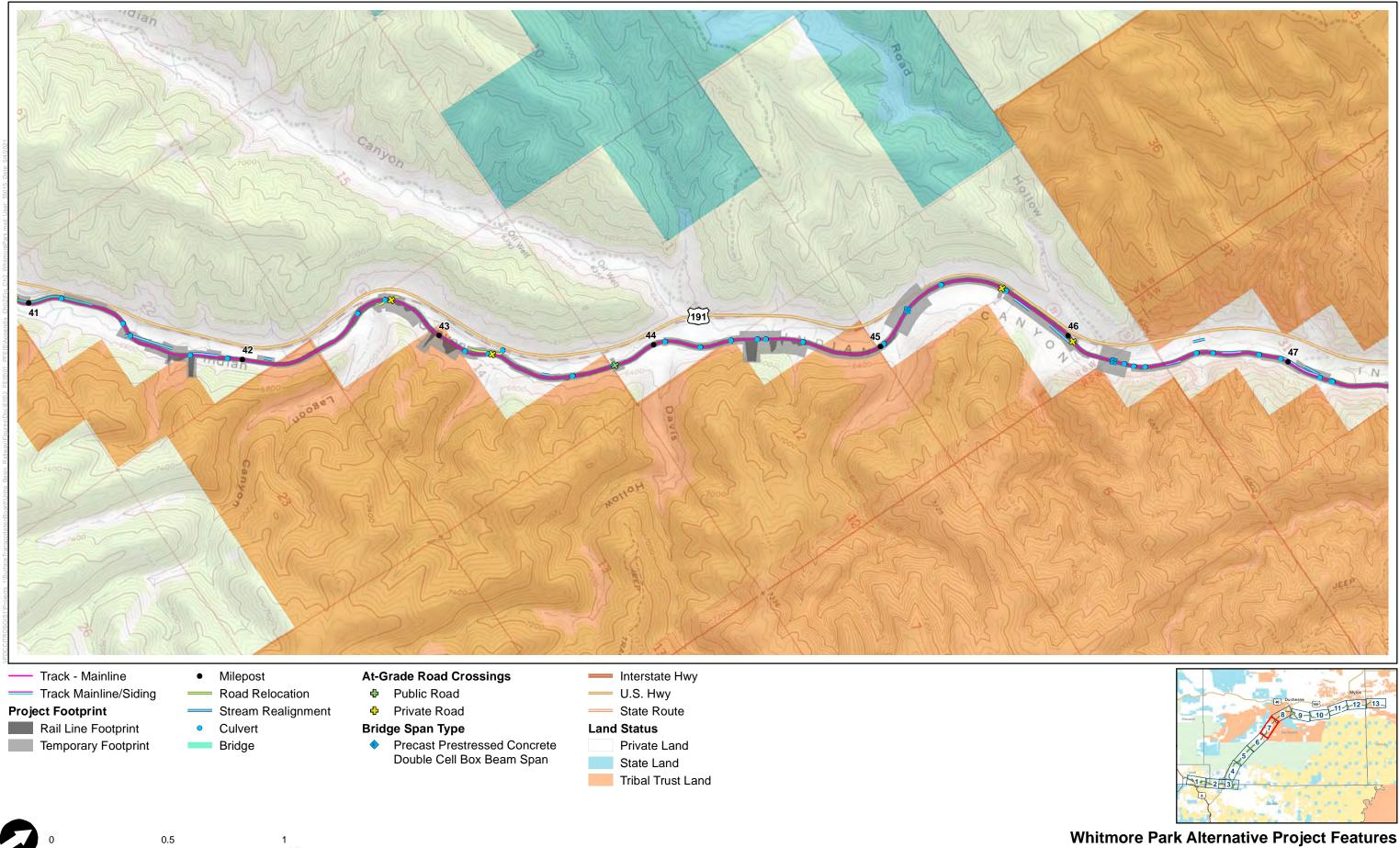
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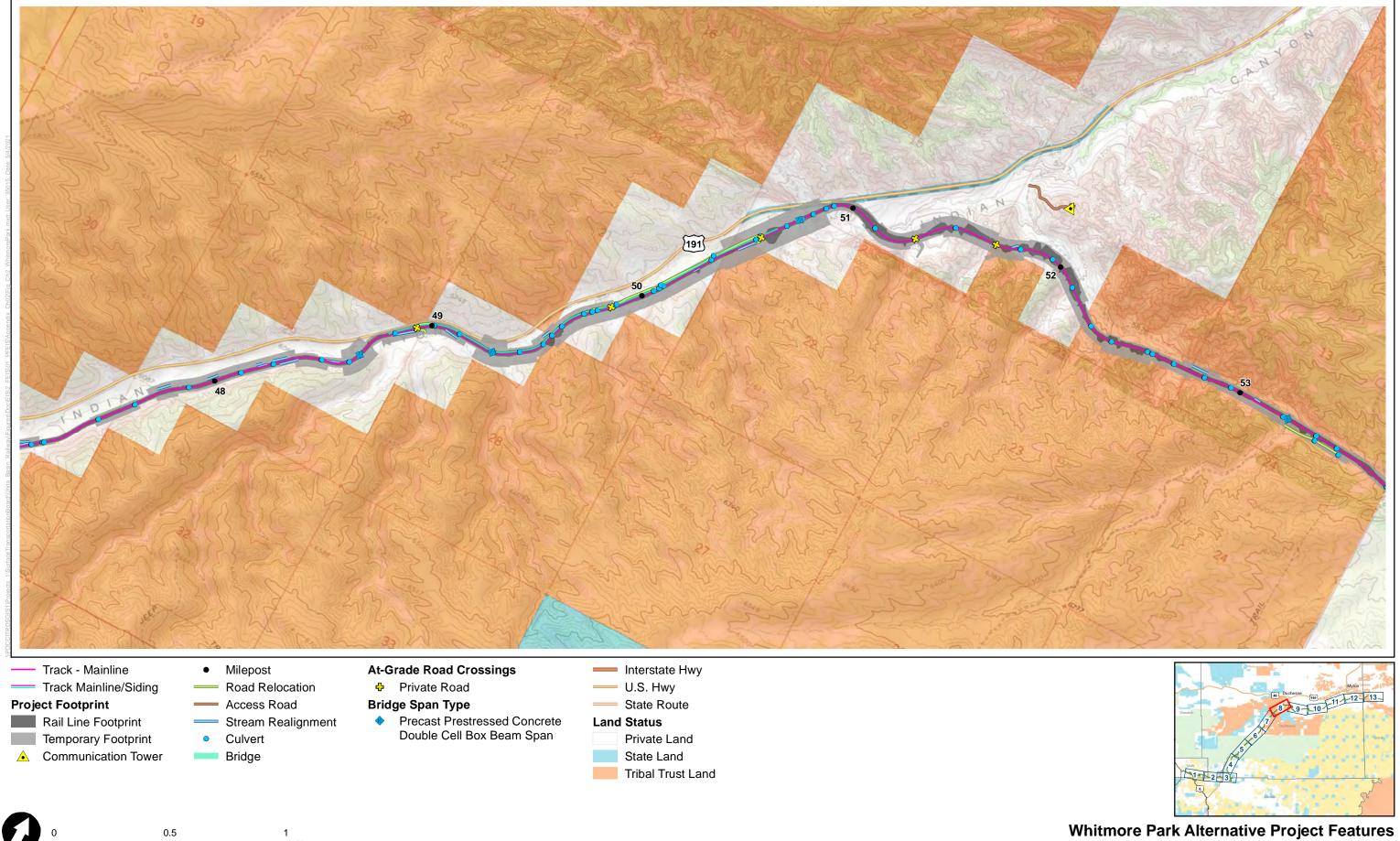


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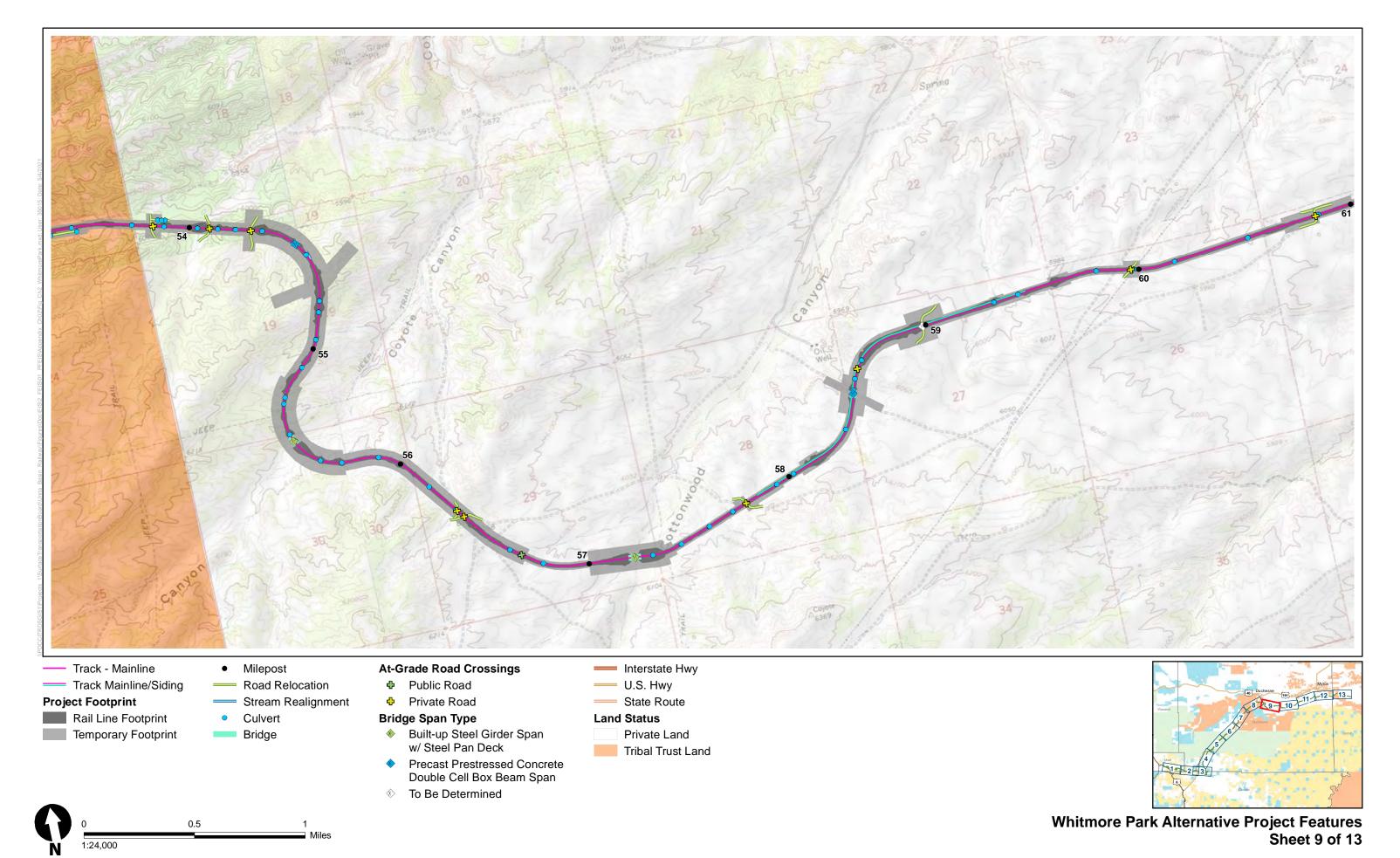


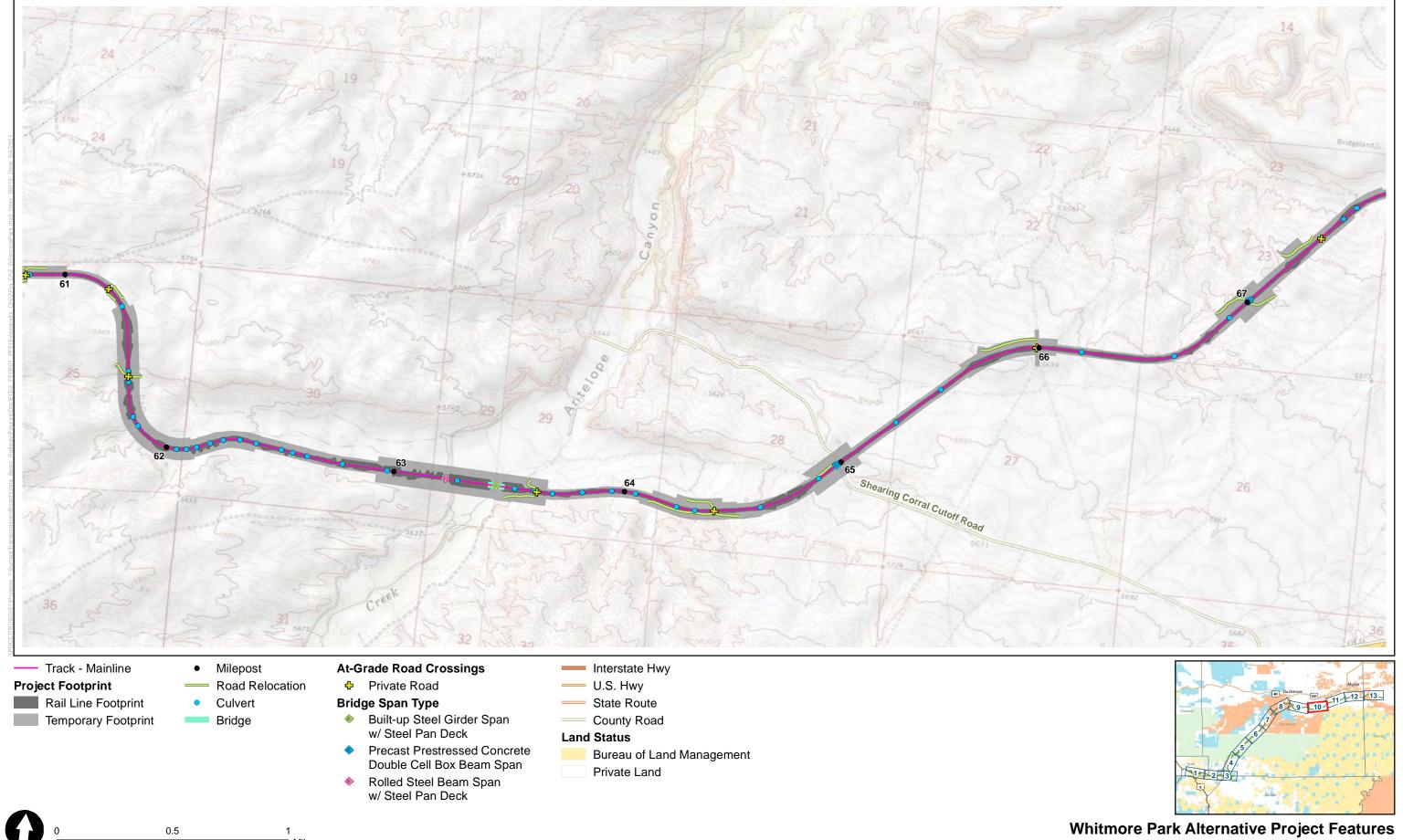
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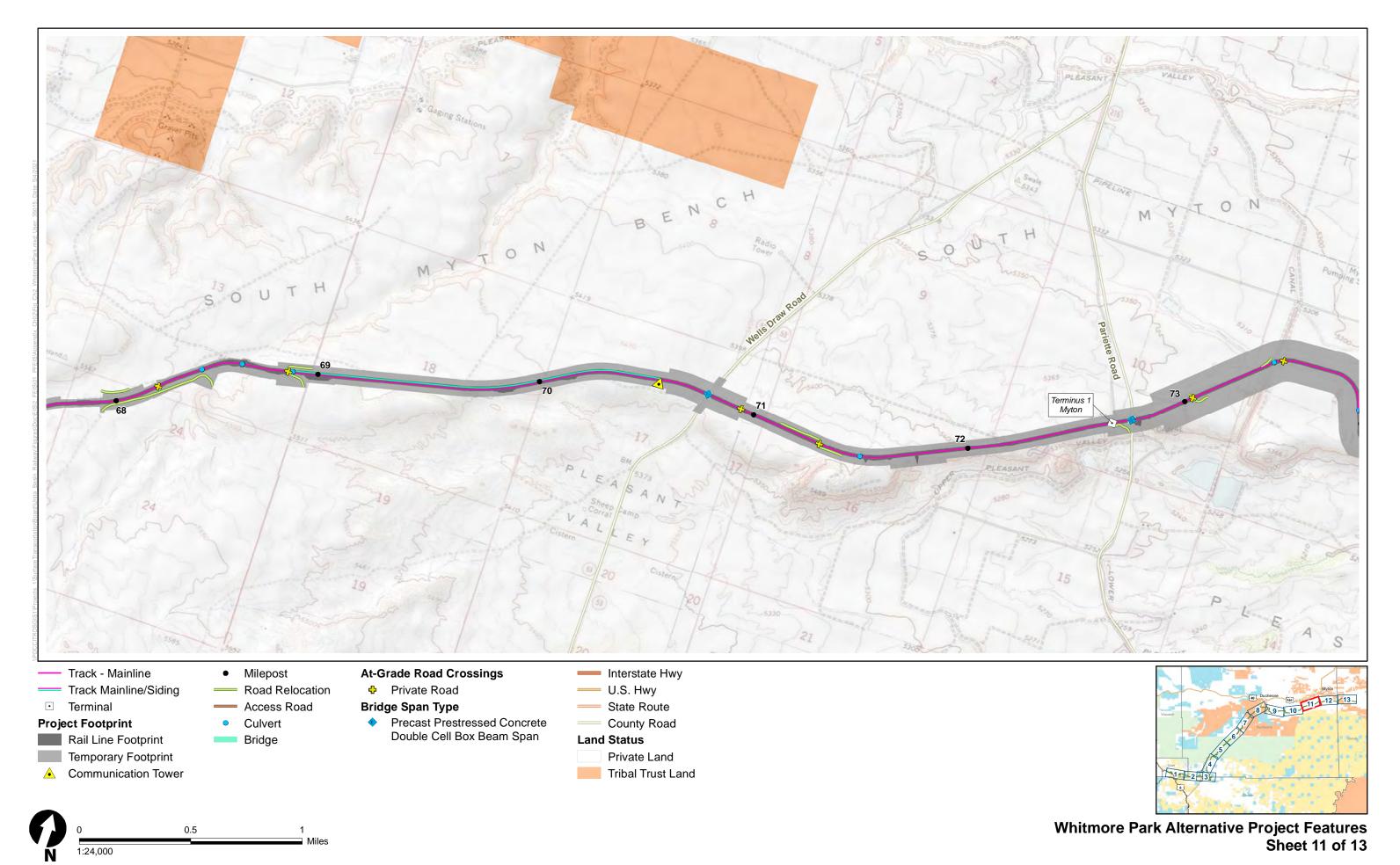


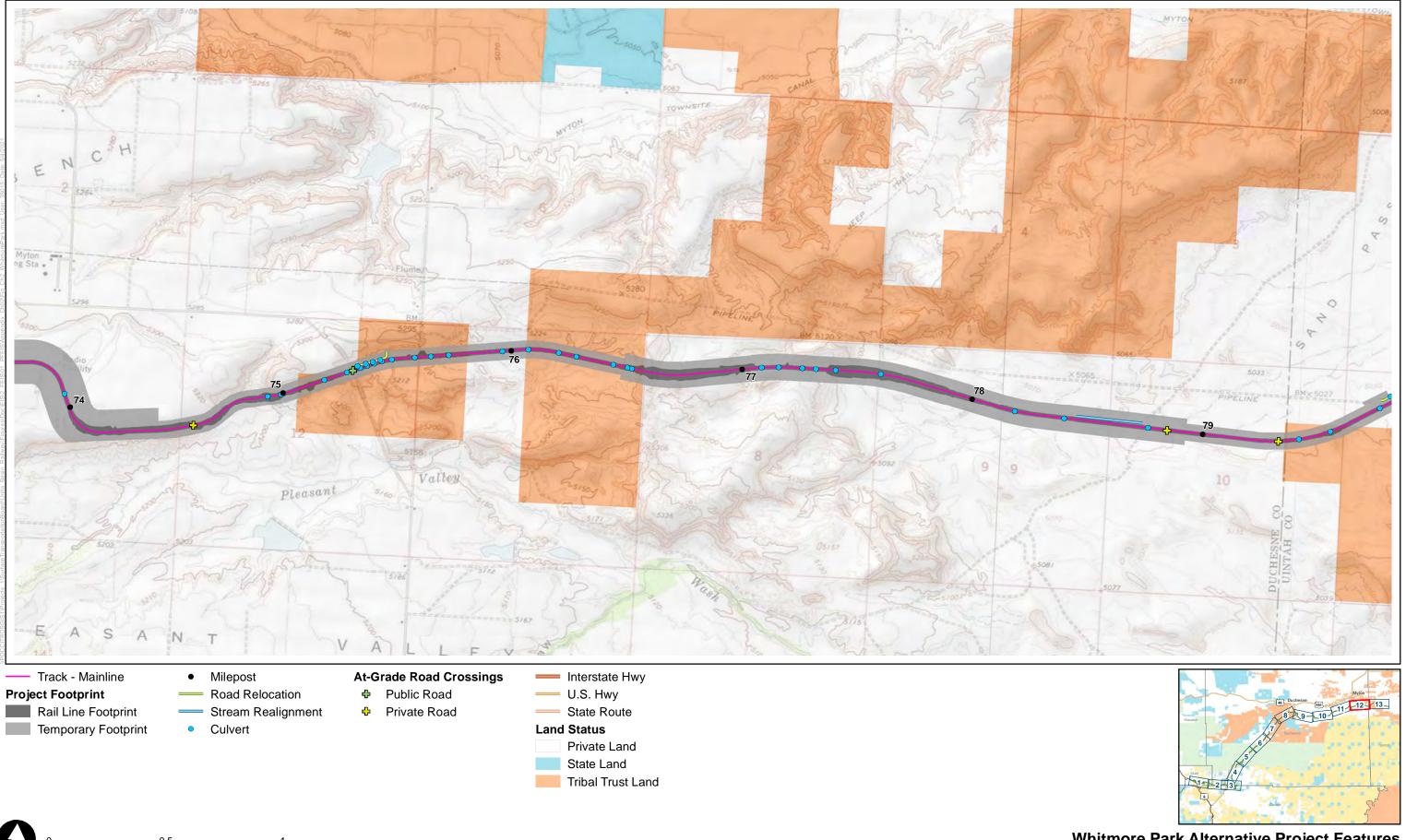
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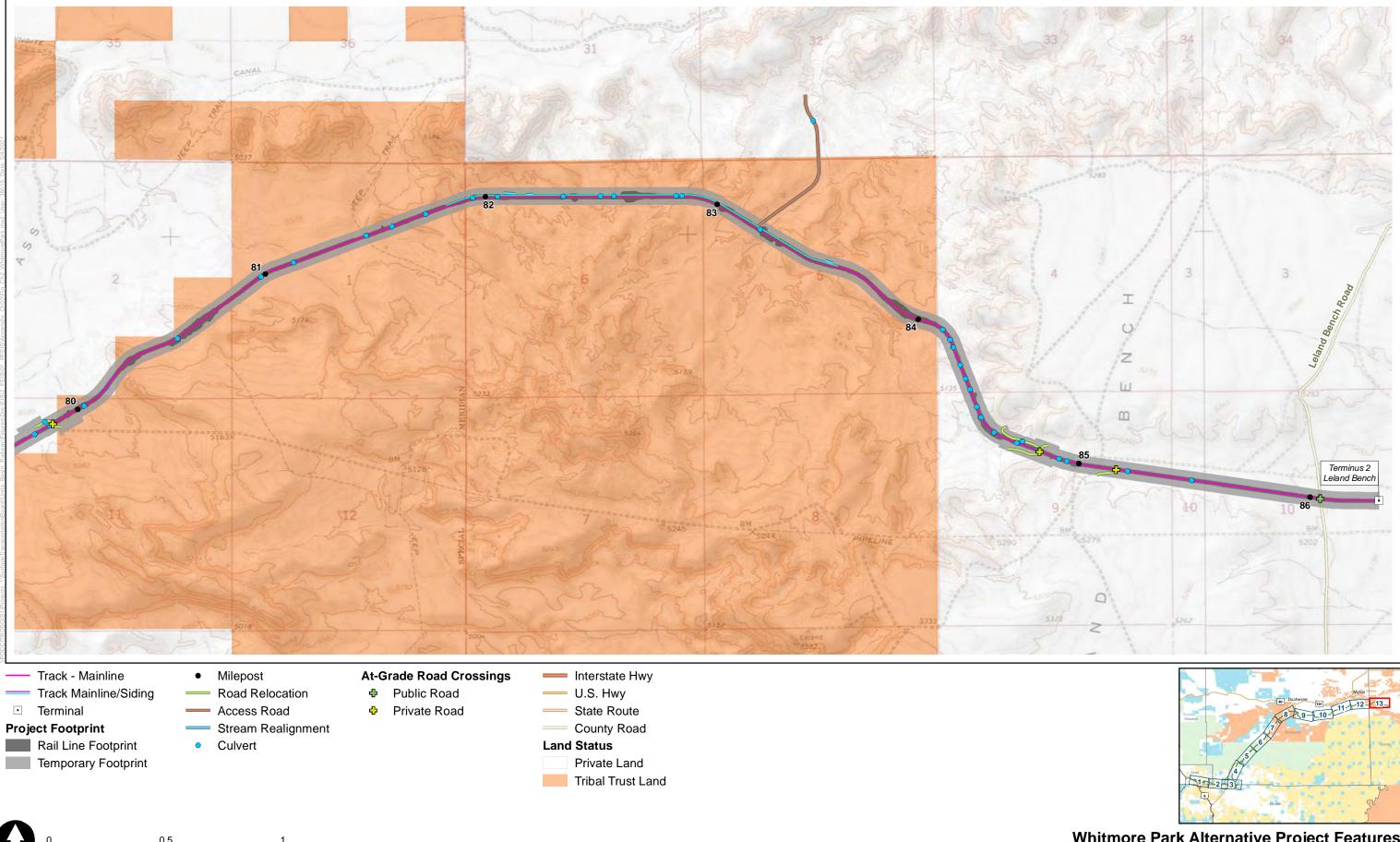


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