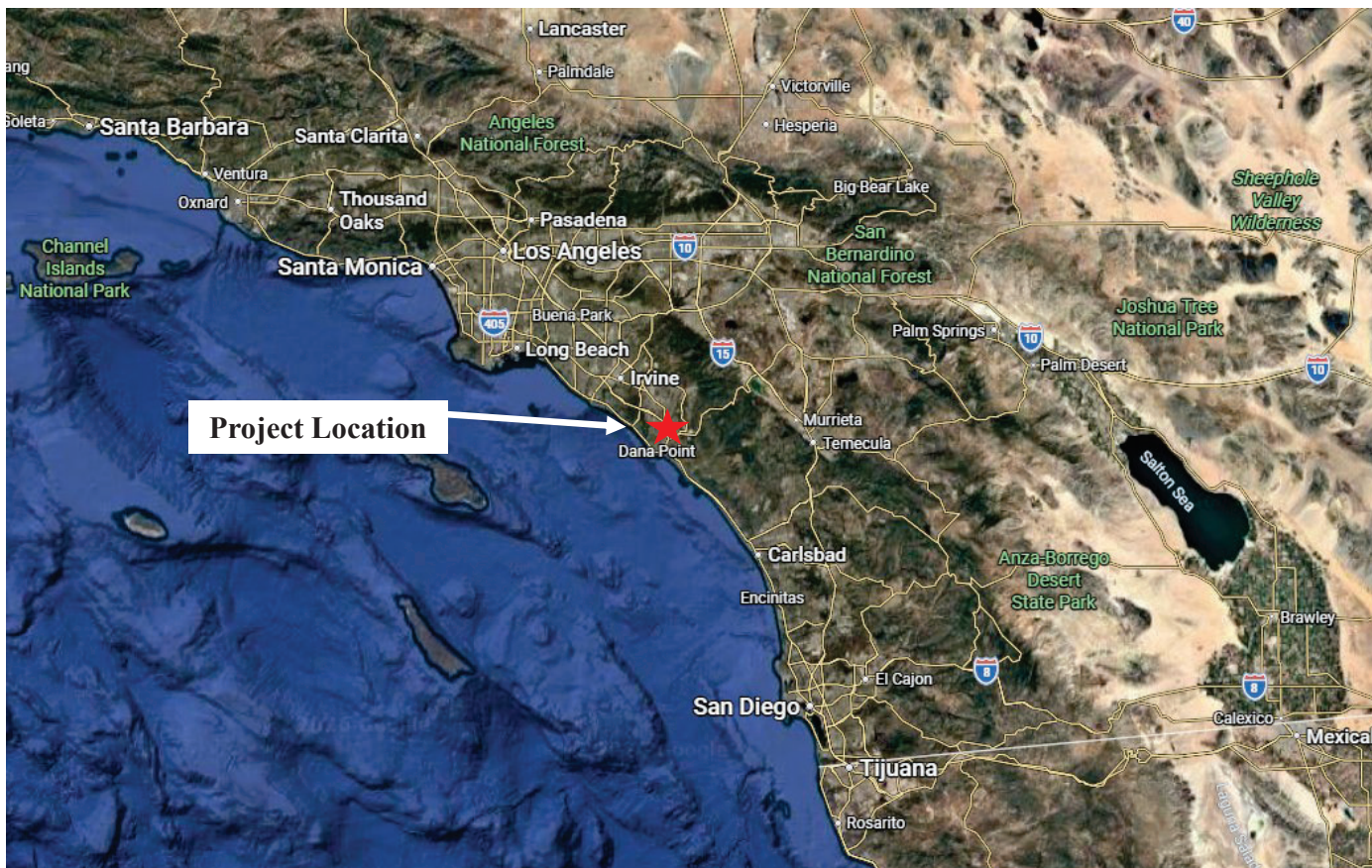


Regional Map with Project Location



Local Map with Project Site

(City of San Juan Capistrano, Orange County, CA)



Metrolink railroad crossing Trabuco Creek – barrier to endangered steelhead migration



View to east looking upstream towards Santa Ana Mountains (target area for steelhead spawning/rearing 12 mi

Metrolink railroad crossing Trabuco Creek – barrier to endangered steelhead migration



View to east - -looking upstream

Metrolink railroad crossing Trabuco Creek – erosion on north (right) channel



View to north

Metrolink railroad crossing Trabuco Creek – view downstream towards ocean

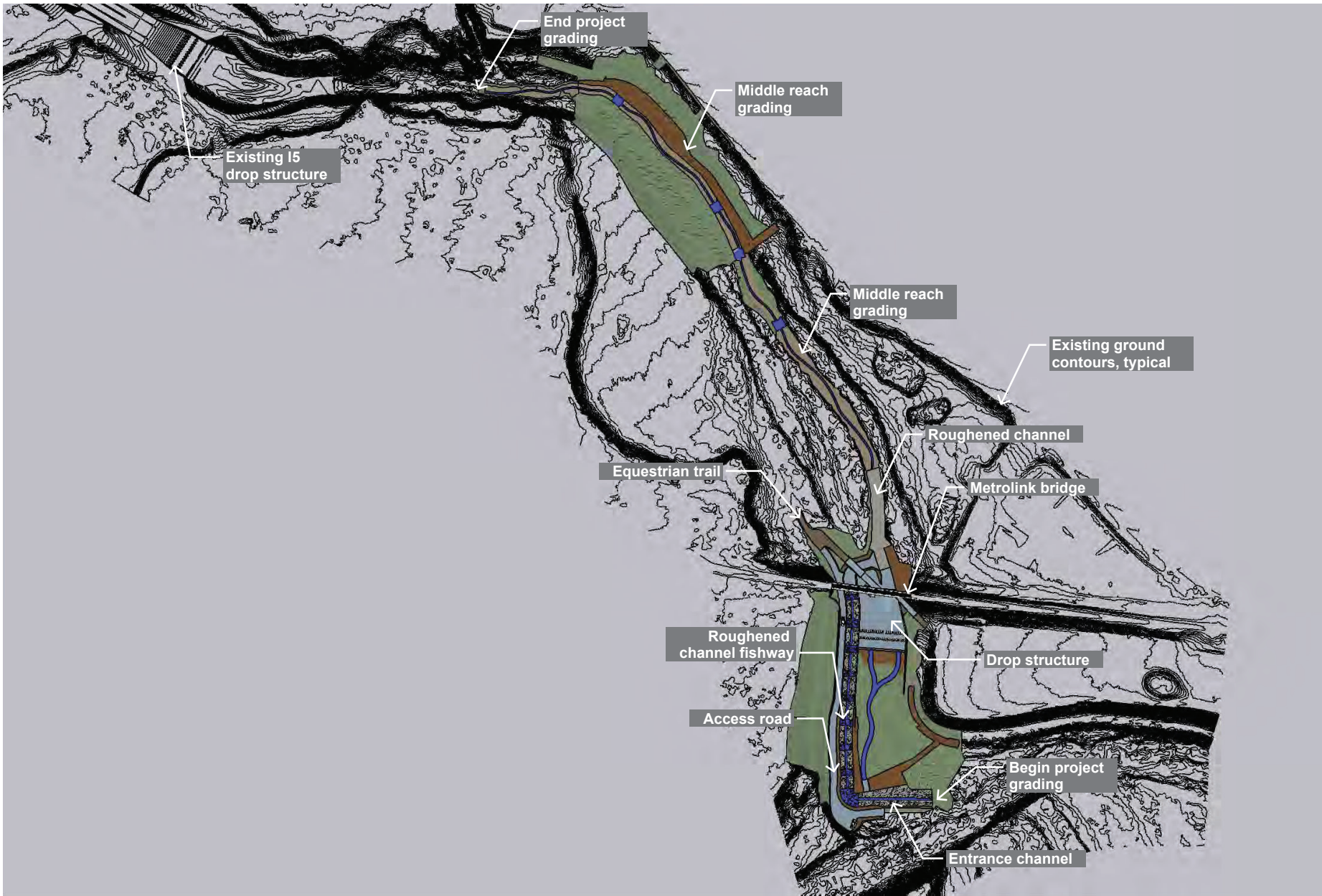


View to north-west

View of ocean (Dana Point) from Metrolink barrier on Trabuco Creek 5 mile downstream



View to west

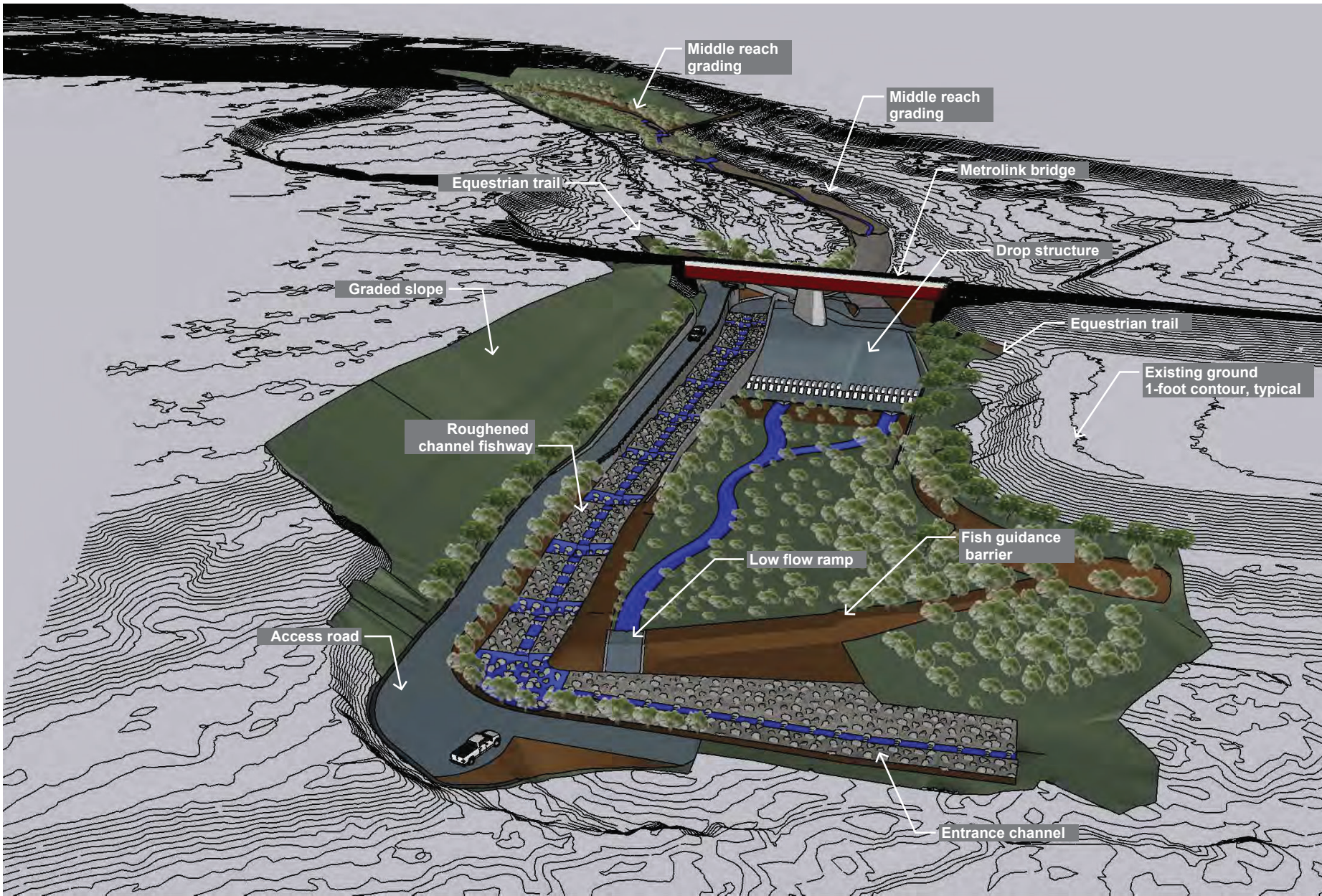


Plan view of 3D rendering showing proposed grading and existing contours

PROJECT:
Fish Passage Design for
the Metrolink Barrier in
Trabuco Creek

**Final Design
Conceptual
Sketch
1 of 8**

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pTJ
05/24/23



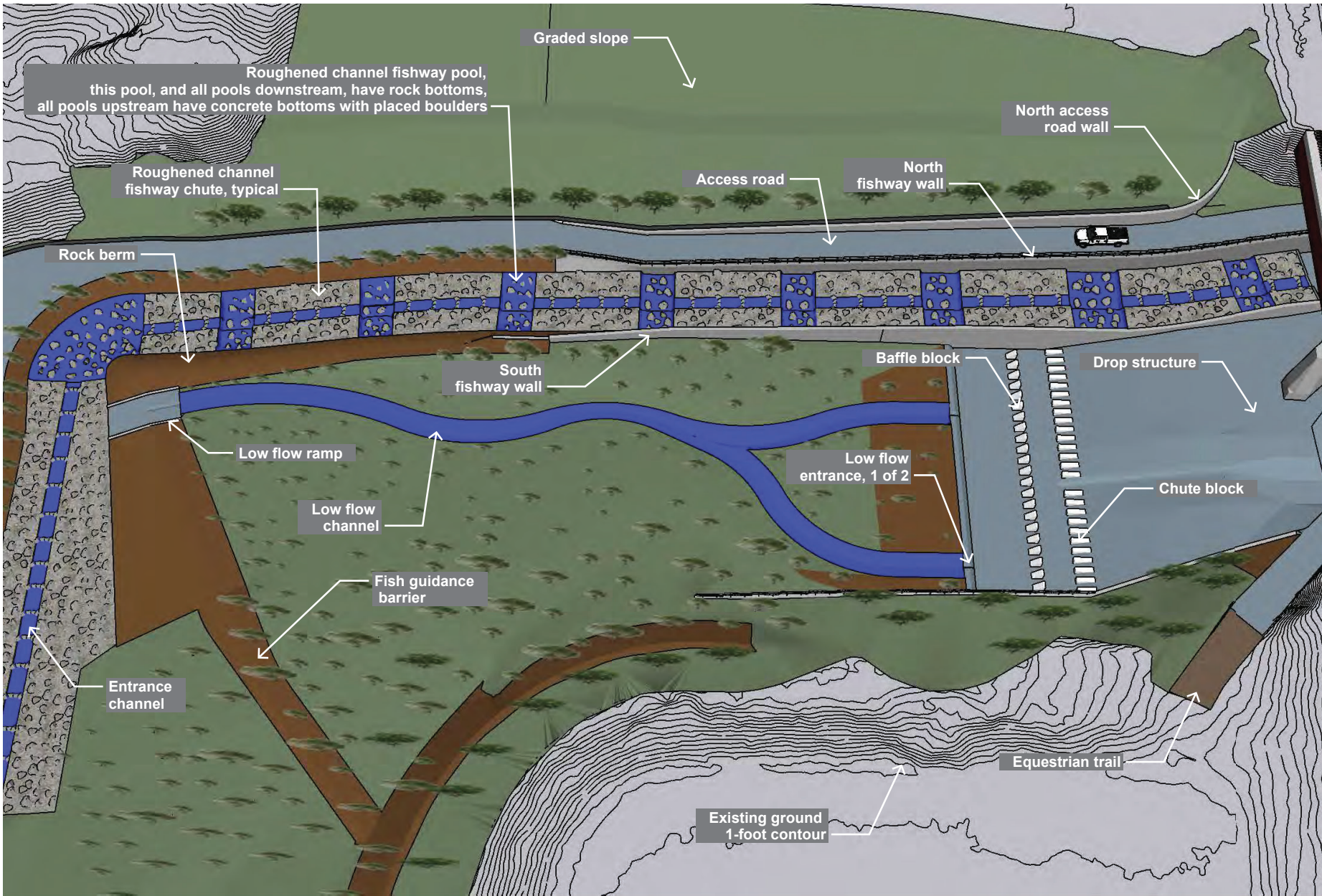
Perspective view of 3D rendering showing the proposed project and existing contours, looking upstream

PROJECT:
Fish Passage Design for
the Metrolink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
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Vegetated Grading	Roughened Channel
Rock/Rock Slope Protection	Other Channel
Concrete	Trail
Low Flow Channel/Pool	

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pjt
05/24/23



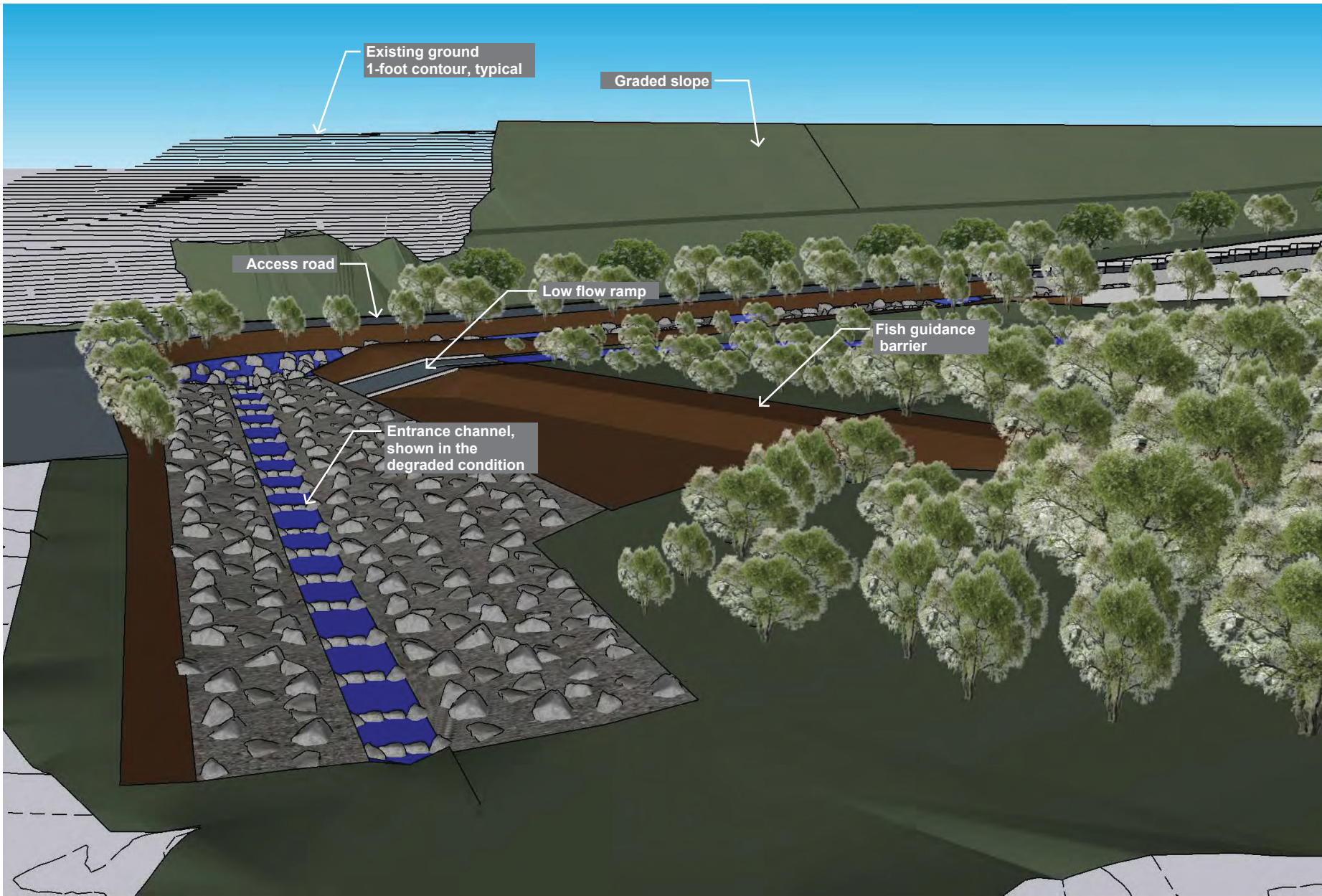
Plan view of 3D rendering showing the proposed project, water flows right to left

PROJECT:
Fish Passage Design for
the MetroLink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
3 of 8

	Roughened Channel
	Other Channel
	Trail
	Vegetated Grading
	Rock/Rock Slope Protection
	Concrete
	Low Flow Channel/Pool

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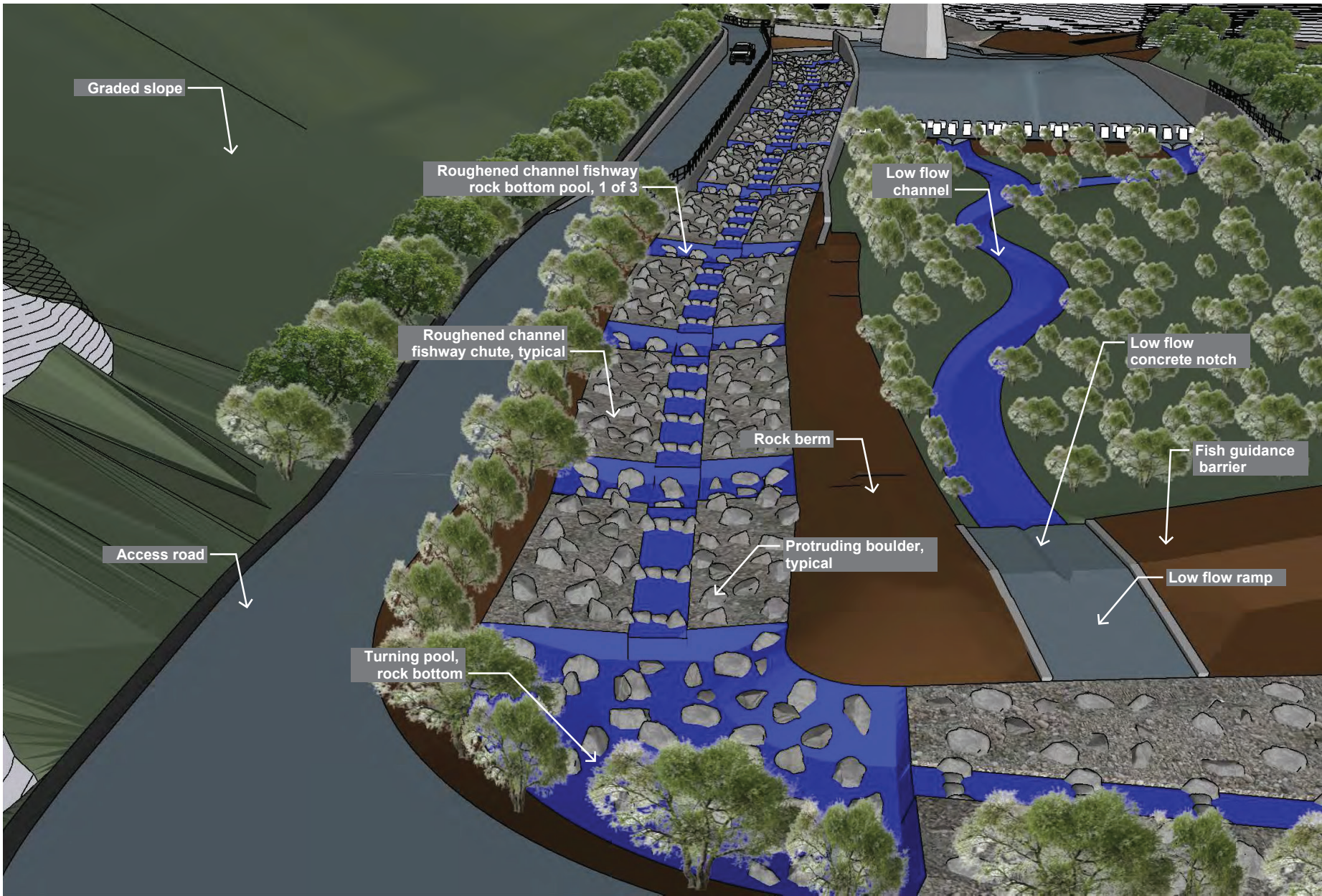
Perspective view of 3D rendering showing the proposed project, looking upstream from the end of the entrance channel

PROJECT:
Fish Passage Design for
the Metrolink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
4 of 8

<ul style="list-style-type: none"> Vegetated Grading Rock/Rock Slope Protection Concrete Low Flow Channel/Pool 	<ul style="list-style-type: none"> Roughened Channel Other Channel Trail
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Perspective view of 3D rendering showing the proposed project, looking upstream from the turning pool

PROJECT:
Fish Passage Design for
the Metroink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
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<ul style="list-style-type: none"> Vegetated Grading Rock/Rock Slope Protection Concrete Low Flow Channel/Pool 	<ul style="list-style-type: none"> Roughened Channel Other Channel Trail
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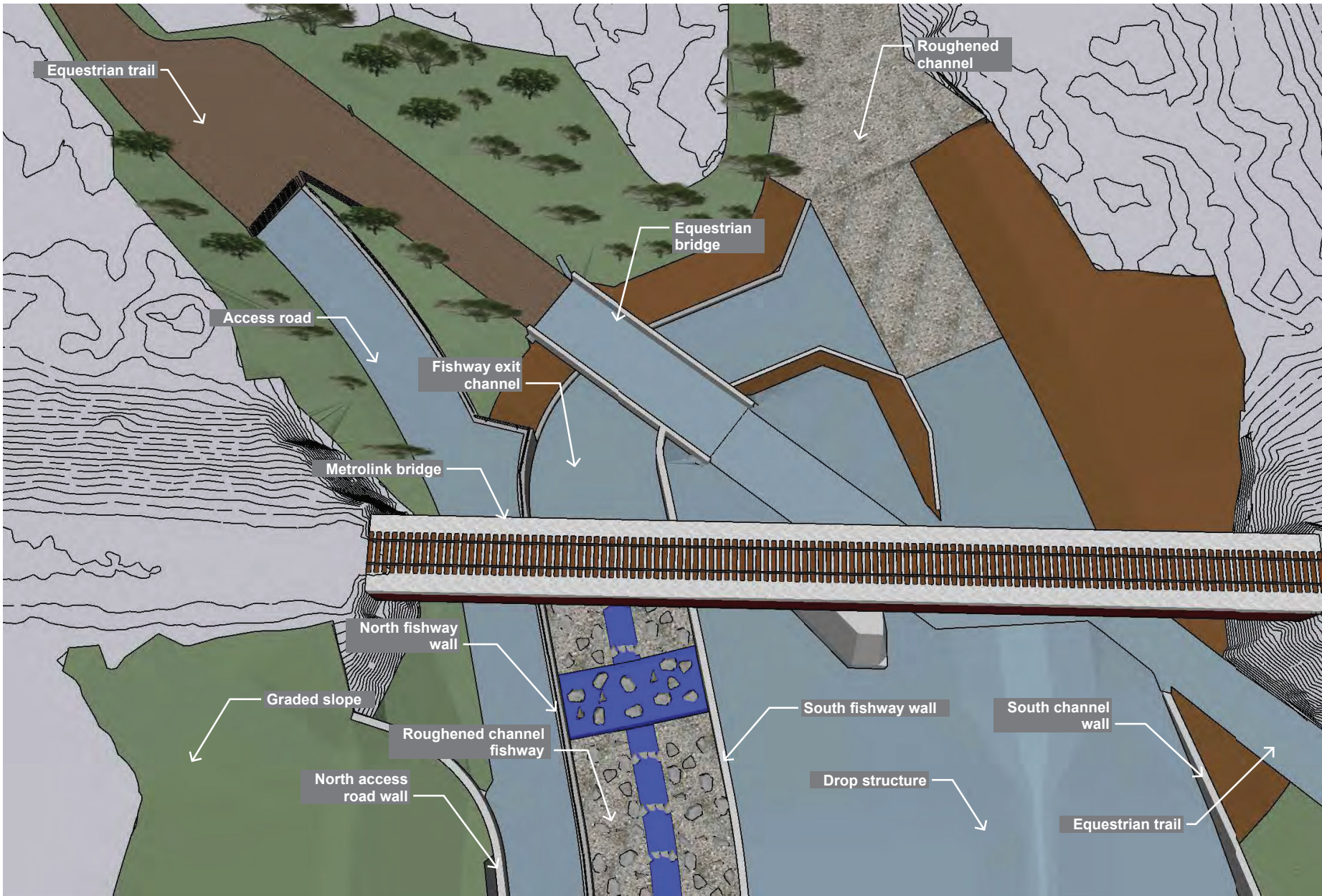
Perspective view of 3D rendering showing the proposed project, looking upstream from midway down the fishway

PROJECT:
Fish Passage Design for
the Metrolink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
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 Roughened Channel	 Vegetated Grading
 Other Channel	 Rock/Rock Slope Protection
 Trail	 Concrete
	 Low Flow Channel/Pool

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Plan view of 3D rendering showing Metrolink Bridge vicinity, water flows from top to bottom

PROJECT:
Fish Passage Design for
the Metrolink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
7 of 8

<ul style="list-style-type: none"> Vegetated Grading Rock/Rock Slope Protection Concrete Low Flow Channel/Pool 	<ul style="list-style-type: none"> Roughened Channel Other Channel Trail
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Perspective view of 3D rendering fishway exit channel and drop structure split, looking downstream

PROJECT:
Fish Passage Design for
the Metrolink Barrier in
Trabuco Creek

Final Desin
Conceptual
Sketch
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Legend:

- Roughened Channel
- Other Channel
- Trail
- Vegetated Grading
- Rock/Rock Slope Protection
- Concrete
- Low Flow Channel/Pool

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