



12 Wildcat Canyon Trail



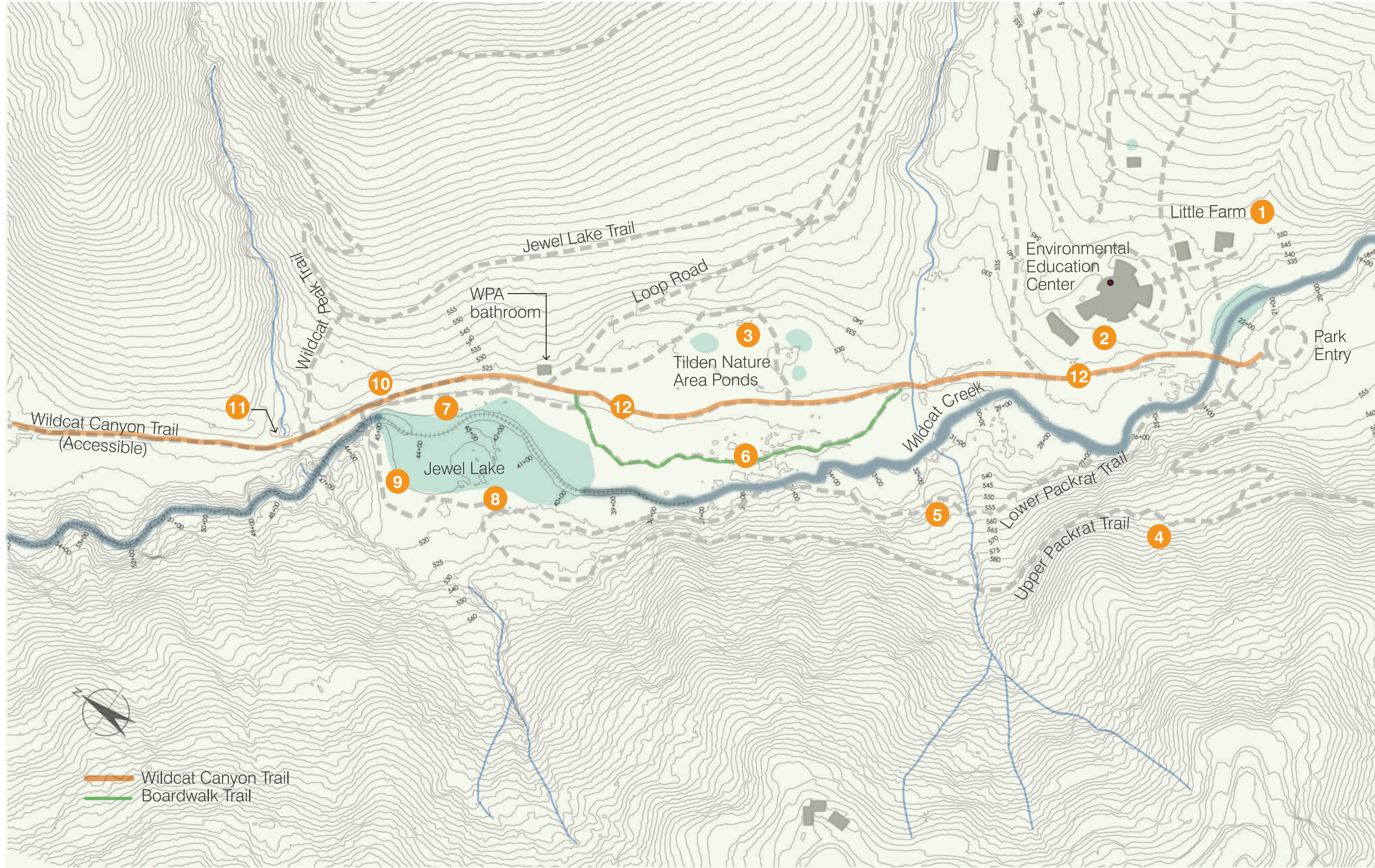
11 Jewel Creek WPA Headwall



10 Bridge & Dam



9 Dam Trail



1 Little Farm



2 Environmental Education Center



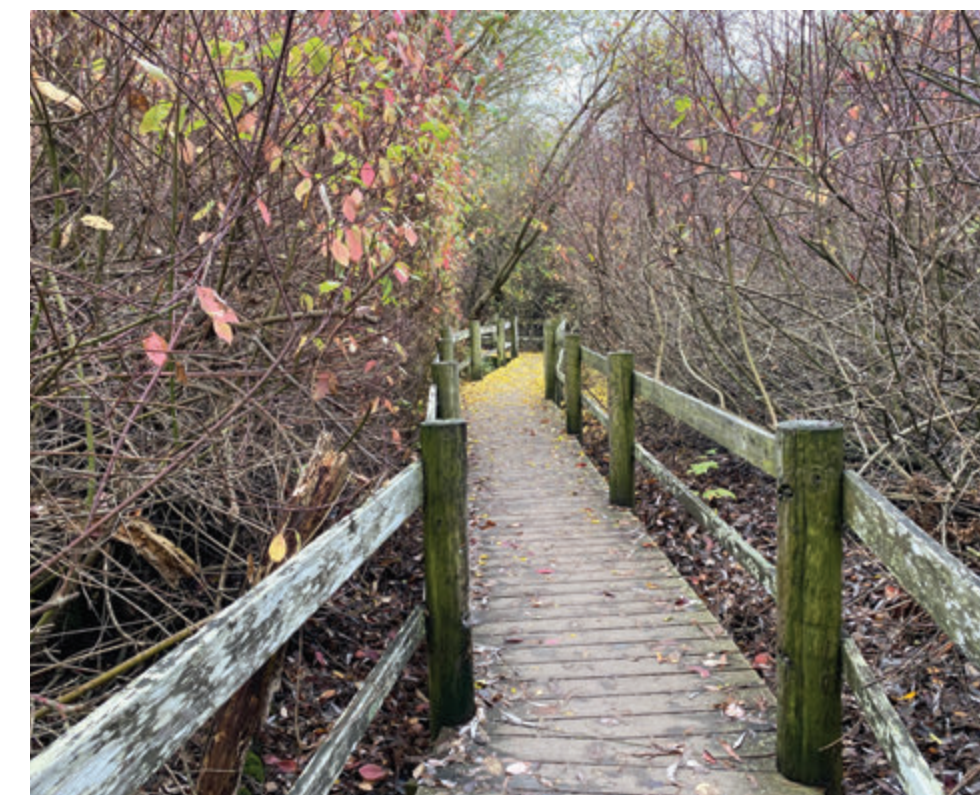
3 Tilden Nature Ponds



8 Jewel Lake (West side)



7 Jewel Lake Viewing Area (East side)



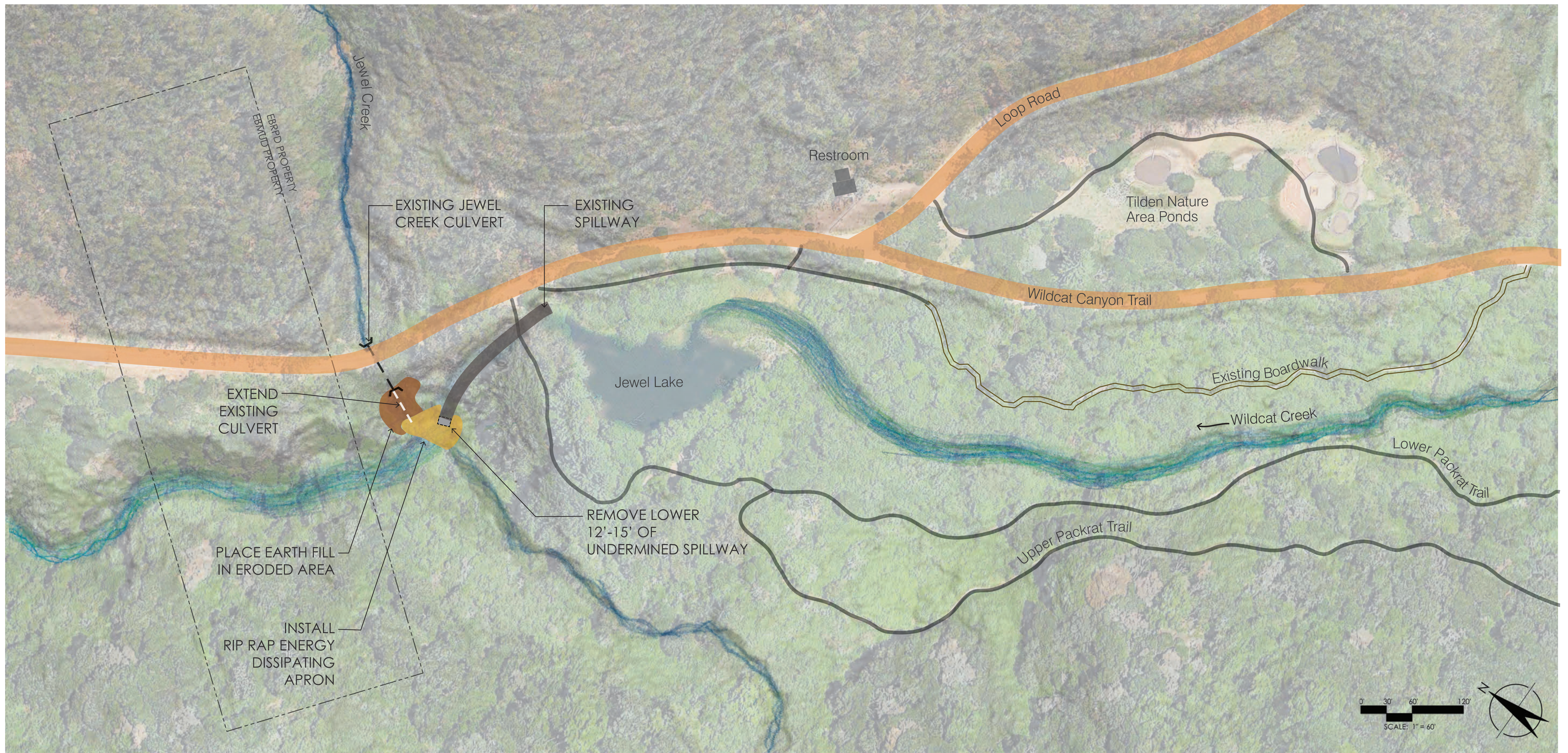
6 Boardwalk Trail



5 Lower Packrat Trail



4 Upper Packrat Trail



CONCEPT SUMMARY:

- The lake will continue to fill with sediment, transforming it to wet meadow, riparian, and other high value habitat types.
- No Changes to public access.

COST ESTIMATE:

\$ 1.3 - 2.0 m*

| | |
|---------------------------------|----------------|
| Design & Permitting | \$ 0.2 - 0.3 m |
| Construction & Administration | \$ 0.3 - 0.5 m |
| Operating & Maintenance (50-yr) | \$ 0.8 - 1.2 m |

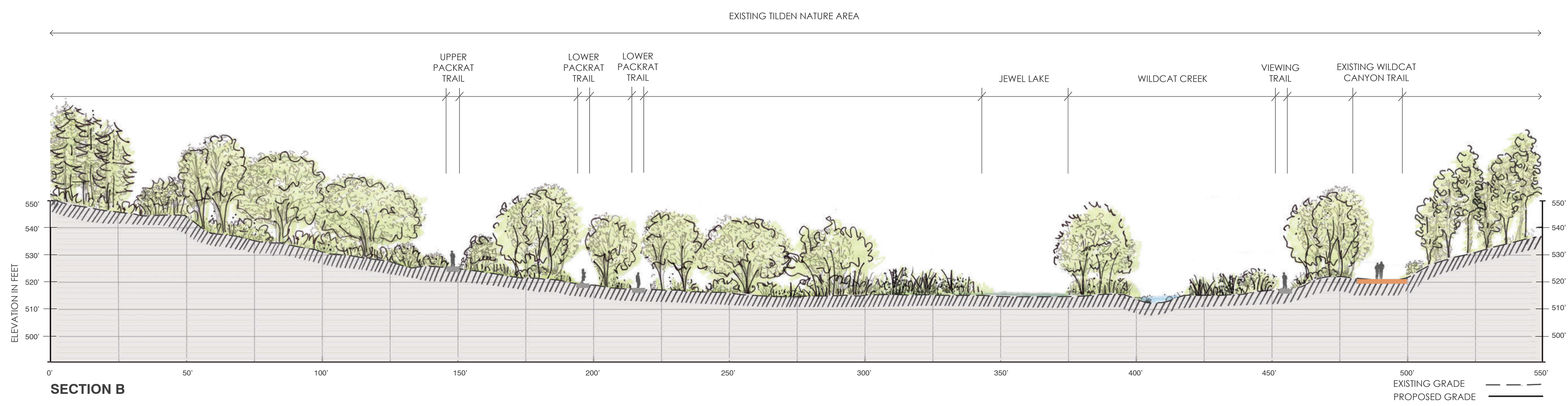
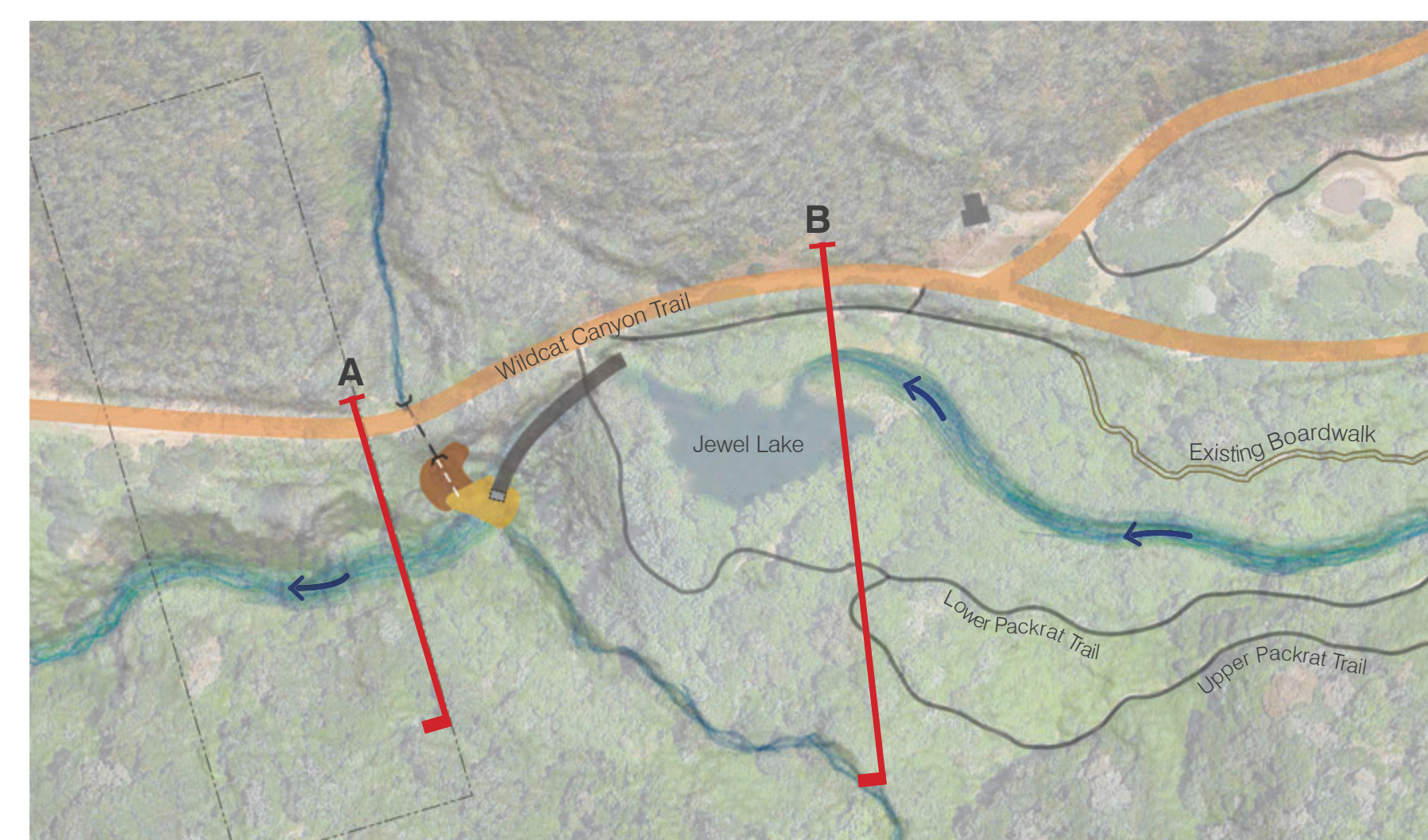
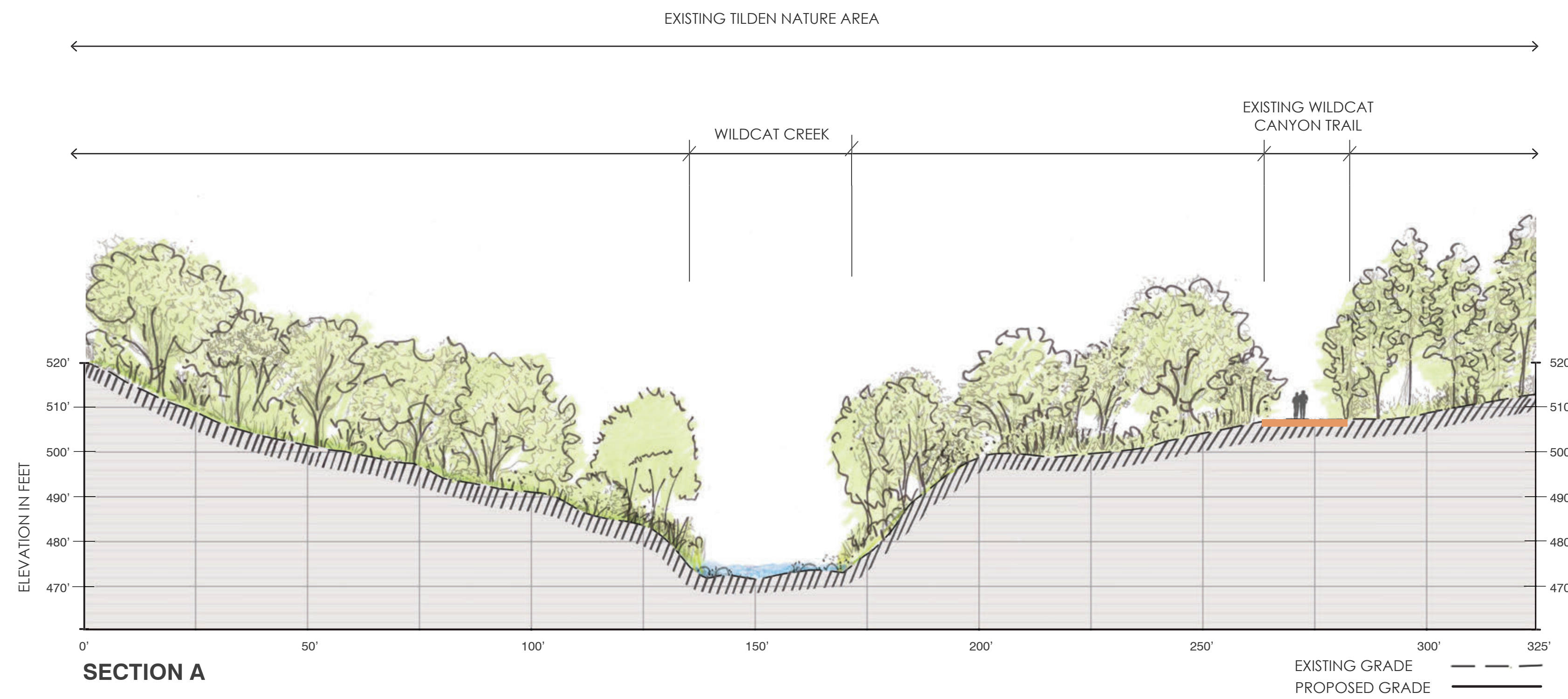
PROJECT GOALS:

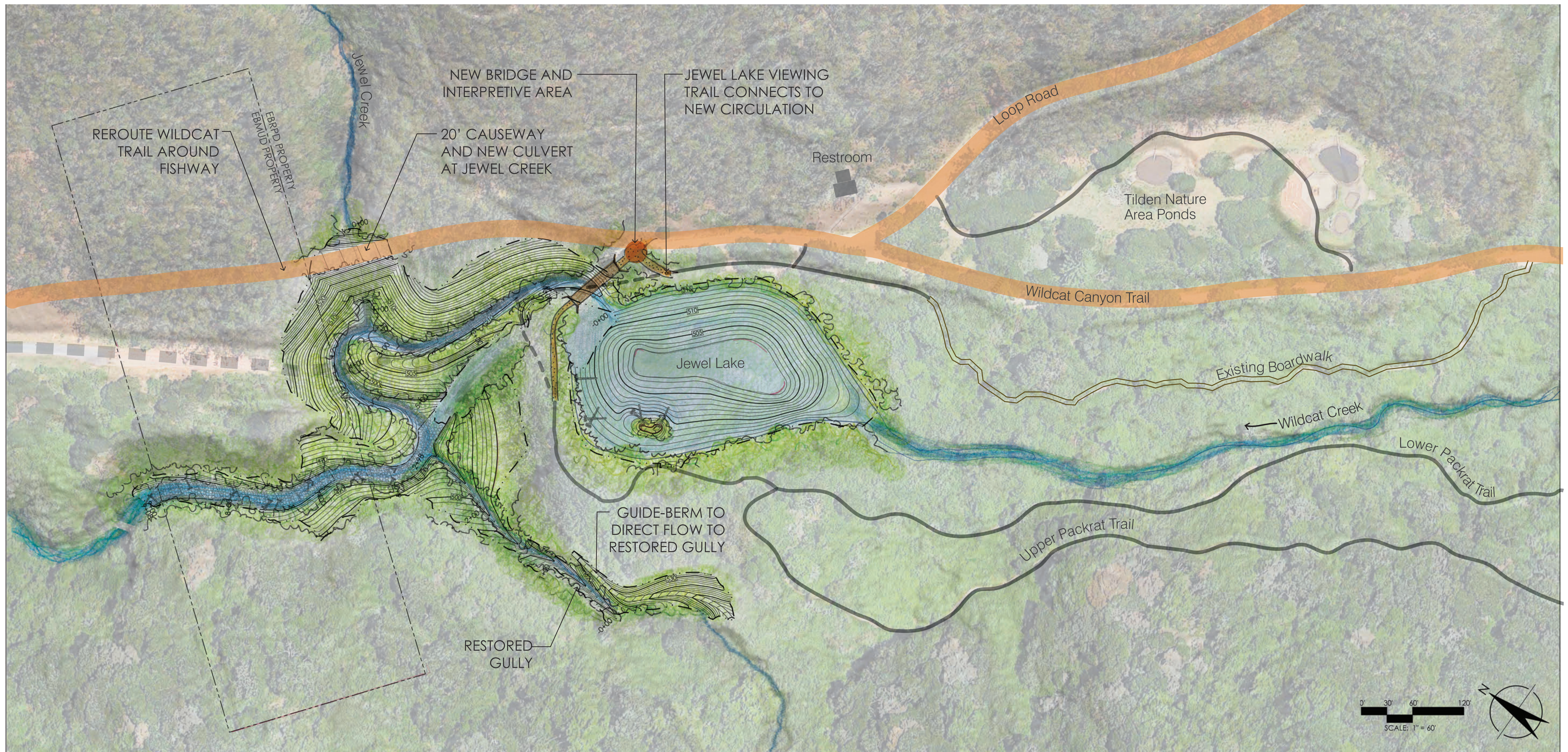
- Enhance native species habitat
- Provide salmonid passage
- Provide sediment continuity
- Maintain level of public access
- Maintain / provide a "destination" for the public
- Maintain lake as open water

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- +
- ++
- +
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- EXISTING FIRE ROAD
- EXISTING BOARDWALK
- EXISTING FOOT TRAIL

* Costs for Design and O&M are presented as present day (2021). Costs for construction are escalated to 2026 dollars. Total represents costs over the project's 50 year life cycle.





CONCEPT SUMMARY:

- Periodically dredge Jewel Lake to maintain open water.
- Construct a fishway to enable fish passage.
- Reroute Wildcat Creek Trail around fishway.
- Reconstruct bridge at dam.

COST ESTIMATE:

\$ 12.5 - 15.8 m*

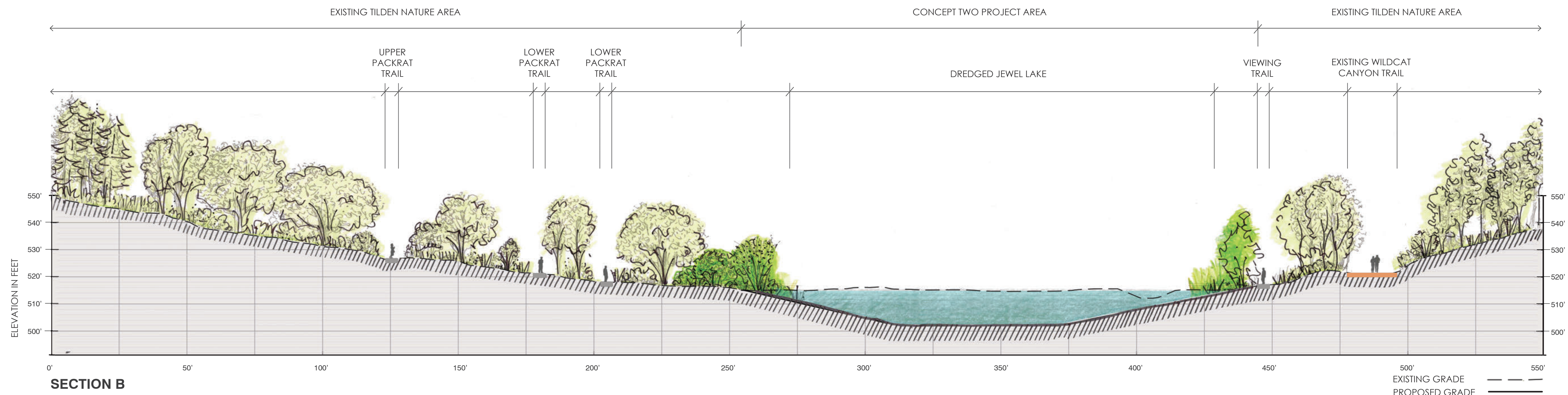
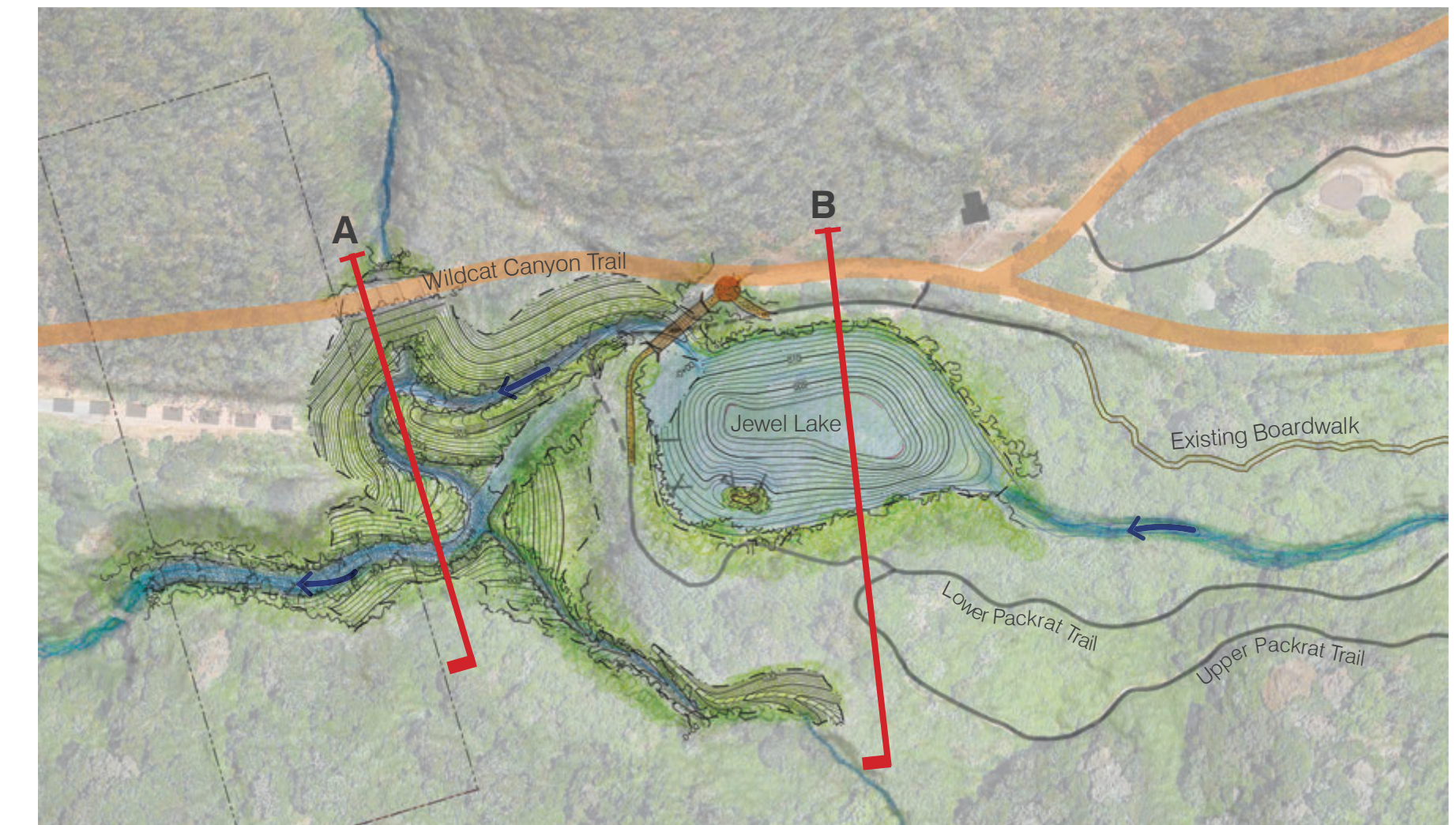
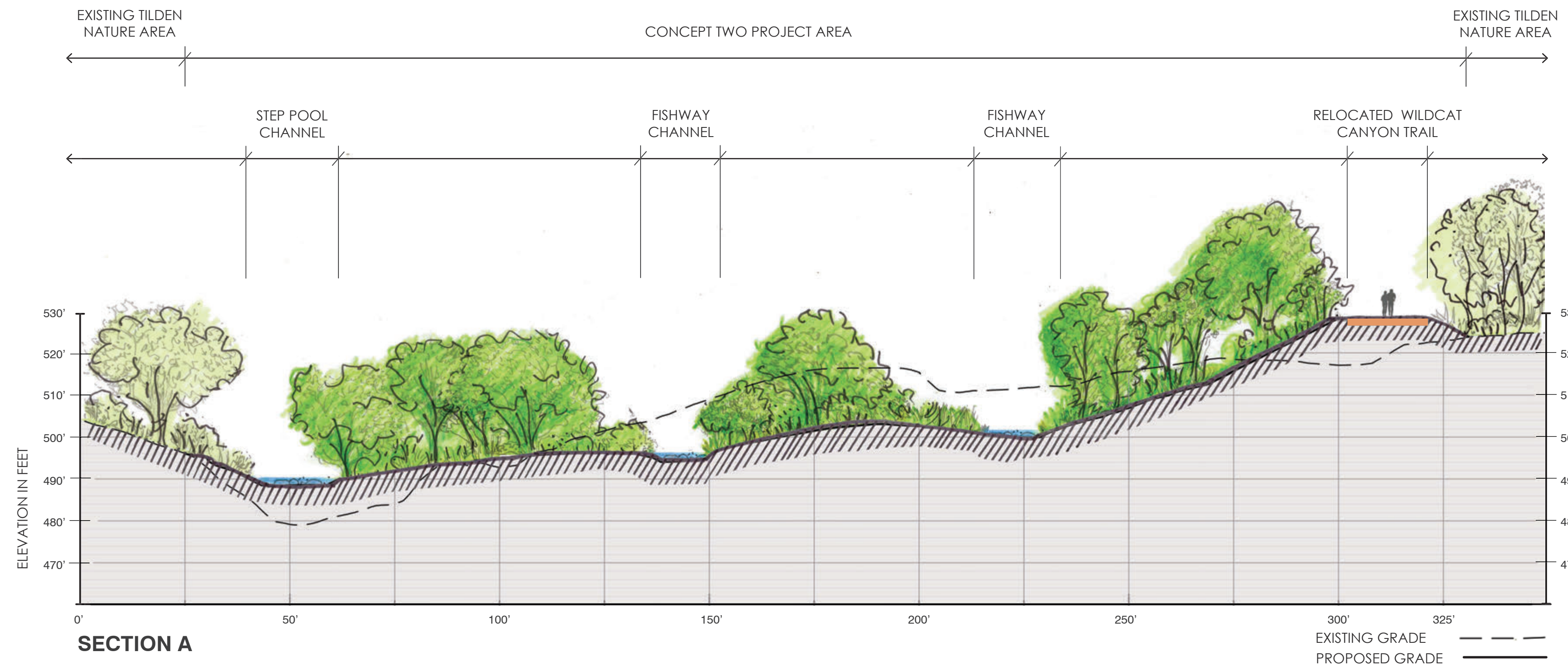
| | |
|---------------------------------|----------------|
| Design & Permitting | \$ 0.6 - 0.7 m |
| Construction & Administration | \$ 6.1 - 7.7 m |
| Operating & Maintenance (50-yr) | \$ 5.8 - 7.4 m |

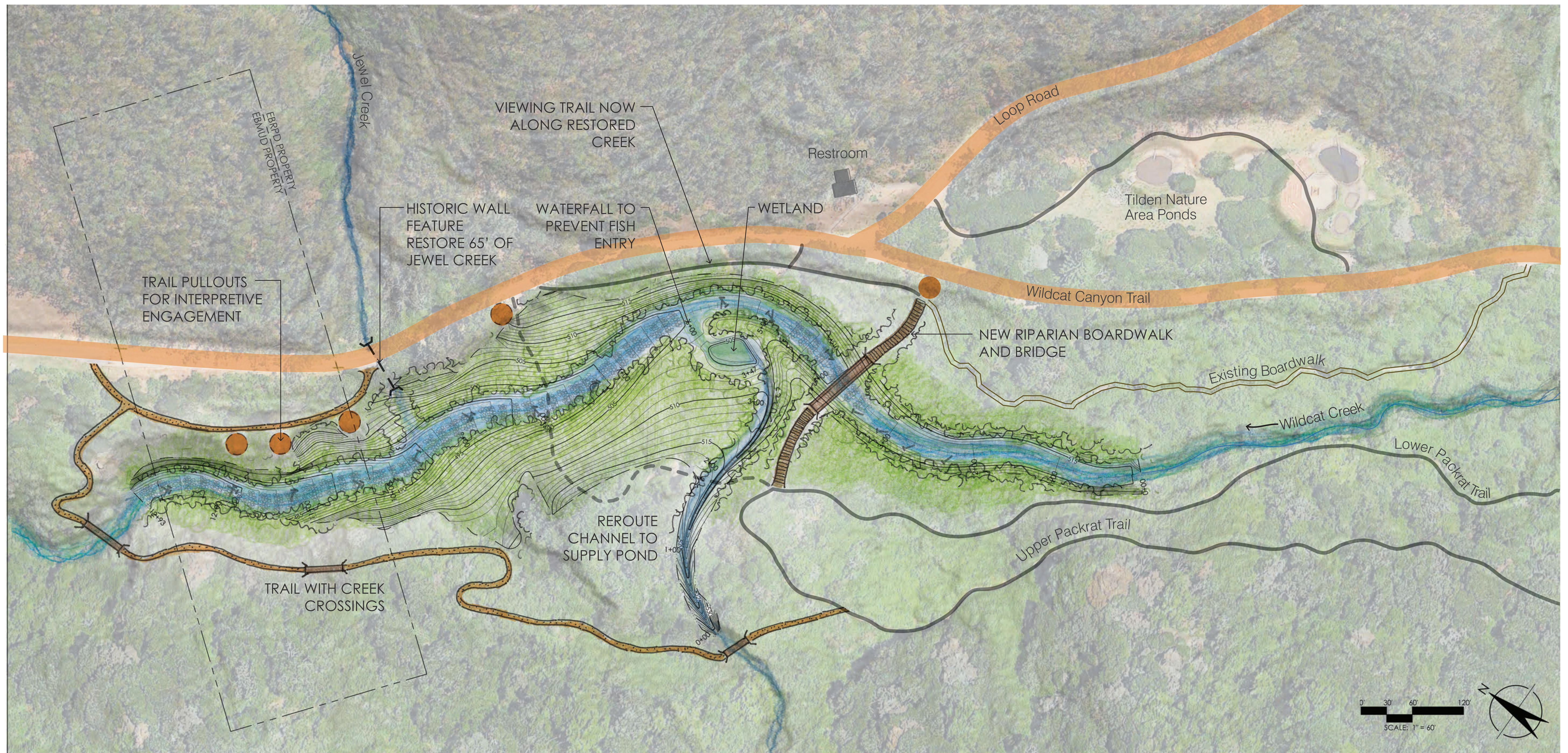
PROJECT GOALS:

- Enhance native species habitat ++
- Provide salmonid passage +
- Provide sediment continuity -
- Maintain level of public access ++
- Maintain / provide a "destination" for the public ++
- Maintain lake as open water ++

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| | |
|--|---------------------------|
| | PROPOSED BOARDWALK |
| | PROPOSED FOOT TRAILS |
| | PROPOSED BRIDGES |
| | PROPOSED TRAIL PULLOUTS |
| | GRADING LIMIT |
| | EXISTING FIRE ROAD |
| | EXISTING BOARDWALK |
| | EXISTING FOOT TRAIL |
| | DECOMMISSIONED FOOT TRAIL |
| | DECOMMISSIONED FIRE TRAIL |





CONCEPT SUMMARY:

- Restore fish passage in Wildcat Creek by removing Jewel Dam & restoring the riparian corridor.
- Remove small dam at upstream sedimentation basin.
- Remove portion of Lower Packrat Trail.
- Add a new boardwalk & Trail with creek crossings.

COST ESTIMATE:

\$ 9.5 - 12.1 m*

| | |
|---------------------------------|----------------|
| Design & Permitting | \$ 0.6 - 0.8 m |
| Construction & Administration | \$ 7.8 - 9.9 m |
| Operating & Maintenance (50-yr) | \$ 1.1 - 1.4 m |

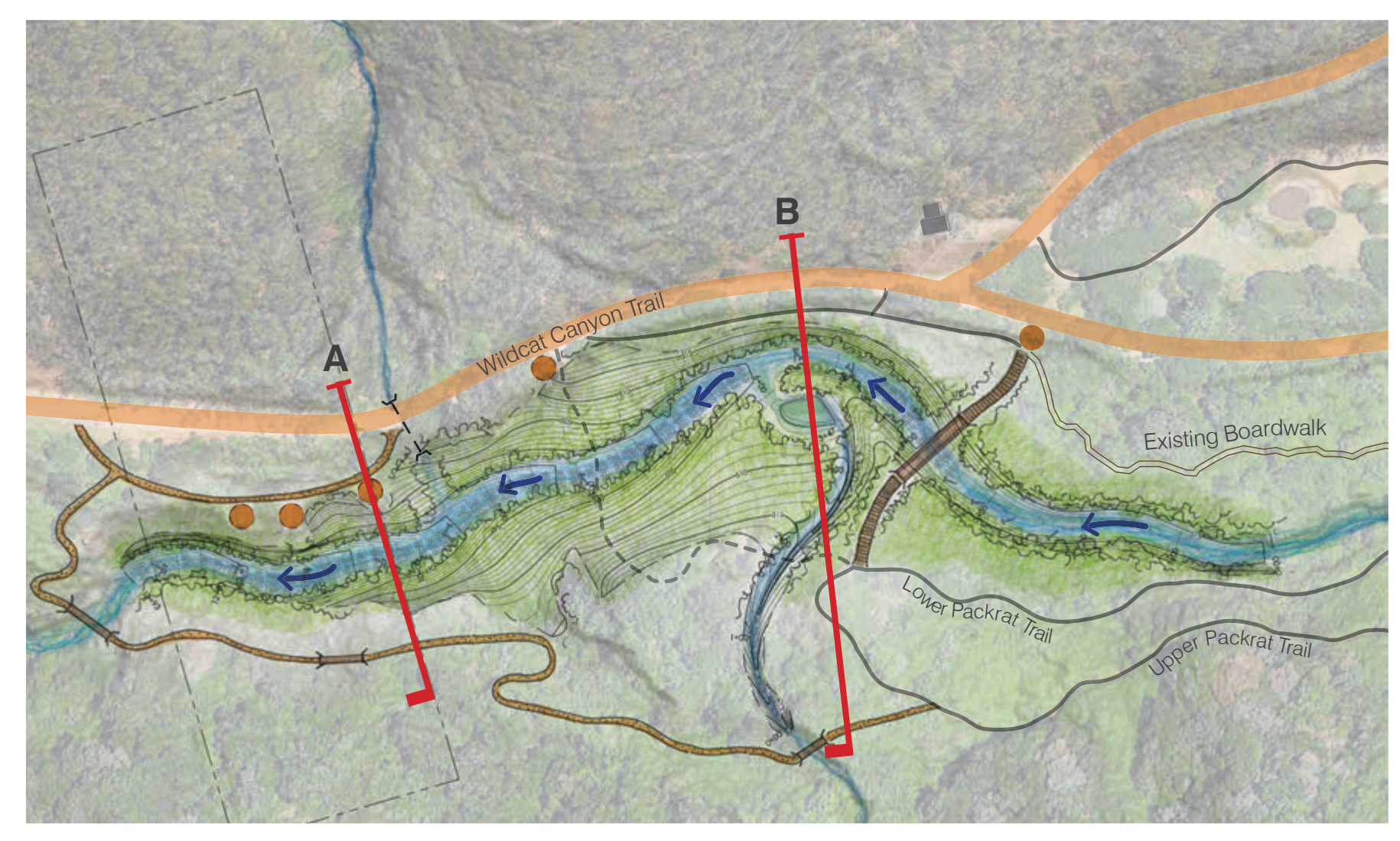
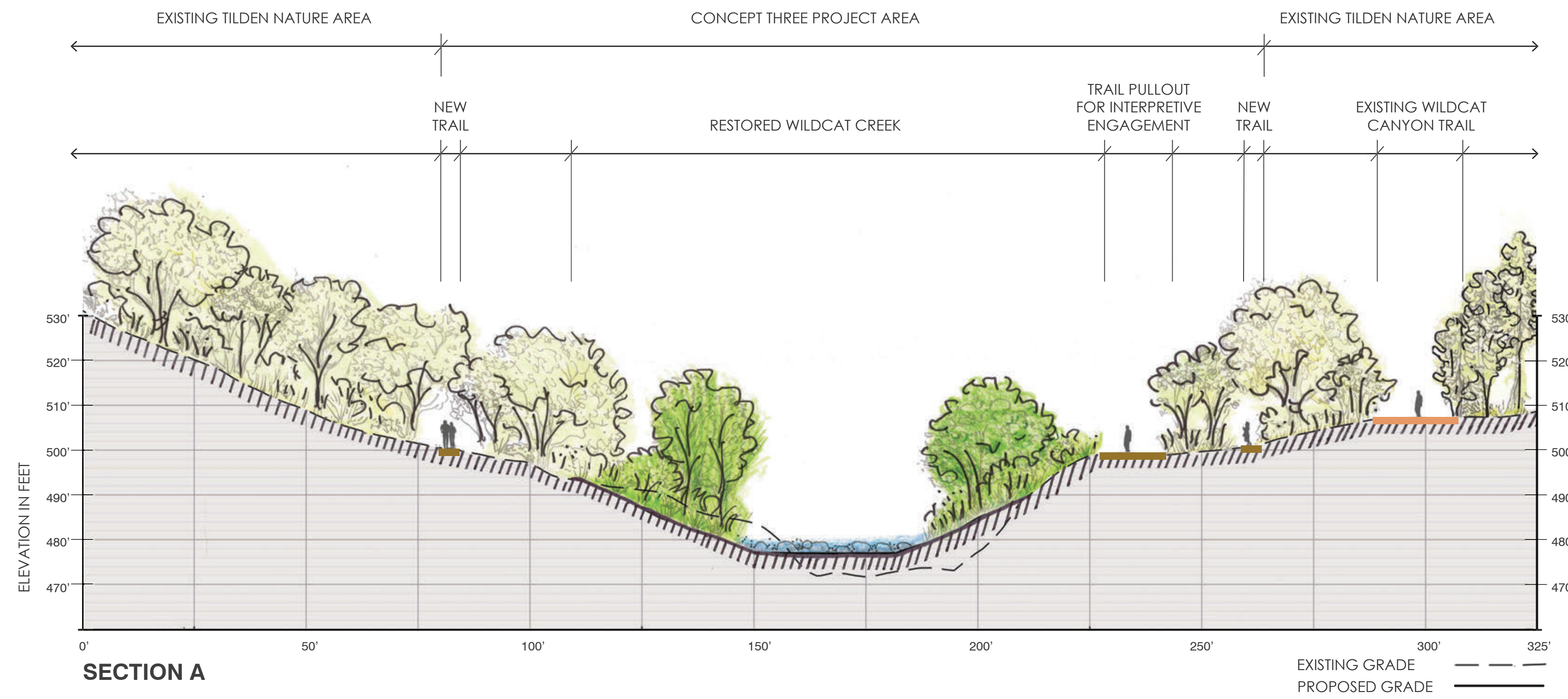
PROJECT GOALS:

- Enhance native species habitat
- Provide salmonid passage
- Provide sediment continuity
- Maintain level of public access
- Maintain / provide a "destination" for the public
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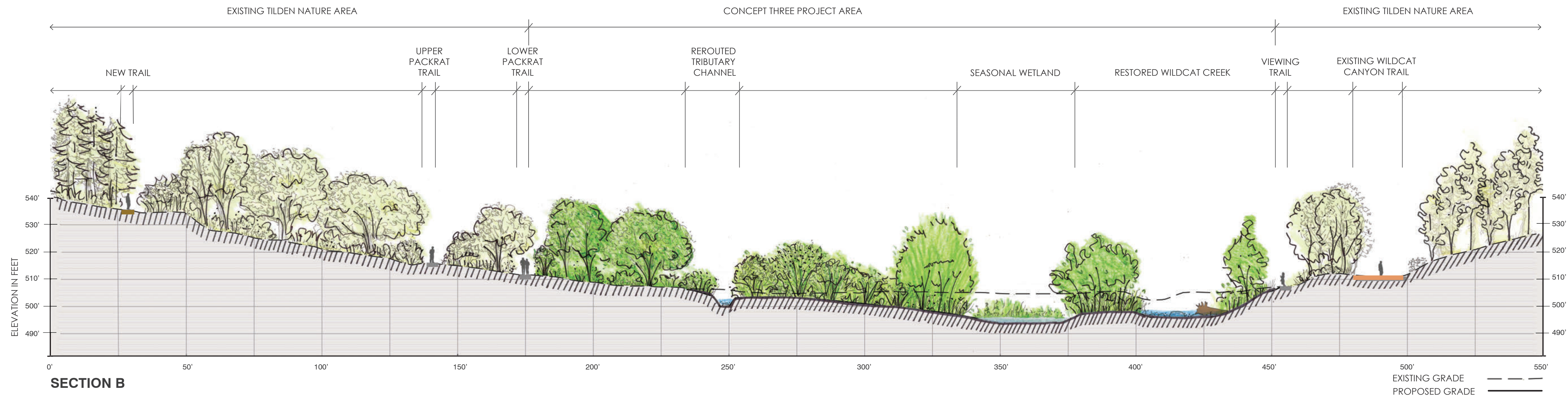
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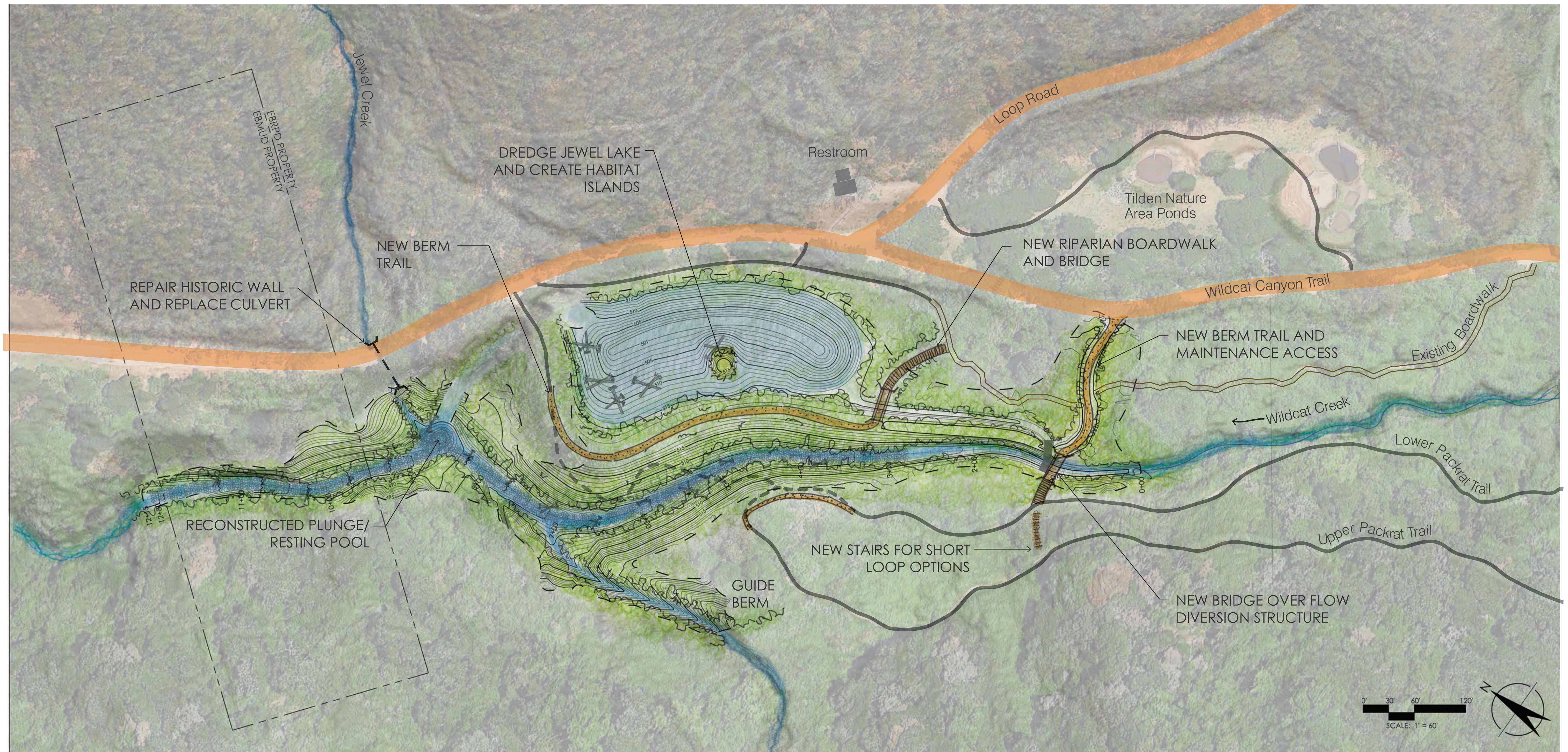
| | |
|--|---------------------------|
| | PROPOSED BOARDWALK |
| | PROPOSED FOOT TRAILS |
| | PROPOSED BRIDGES |
| | PROPOSED TRAIL PULLOUTS |
| | GRADING LIMIT |
| | EXISTING FIRE ROAD |
| | EXISTING BOARDWALK |
| | EXISTING FOOT TRAIL |
| | DECOMMISSIONED FOOT TRAIL |

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KEY PLAN | CONCEPT 3 SECTIONS





CONCEPT SUMMARY:

- Construct a naturalized bypass stream channel on the west side of Wildcat Canyon to restore sediment continuity & fish passage.
- Dredge & enhance Jewel Lake, modify dam to maintain open water.
- Remove small dam at upstream sedimentation basin.
- Adjust Lower Packrat Trail & add new berm trails.

COST ESTIMATE:

\$ 13.1 - 16.5 m*

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|---------------------------------|-----------------|
| Design & Permitting | \$ 0.7 - 0.8 m |
| Construction & Administration | \$ 9.1 - 11.5 m |
| Operating & Maintenance (50-yr) | \$ 3.3 - 4.2m |

PROJECT GOALS:

- Enhance native species habitat
- Provide salmonid passage
- Provide sediment continuity
- Maintain level of public access
- Maintain / provide a "destination" for the public
- Maintain lake as open water

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PROPOSED BOARDWALK

PROPOSED FOOT TRAILS

PROPOSED BRIDGES

GRADING LIMIT

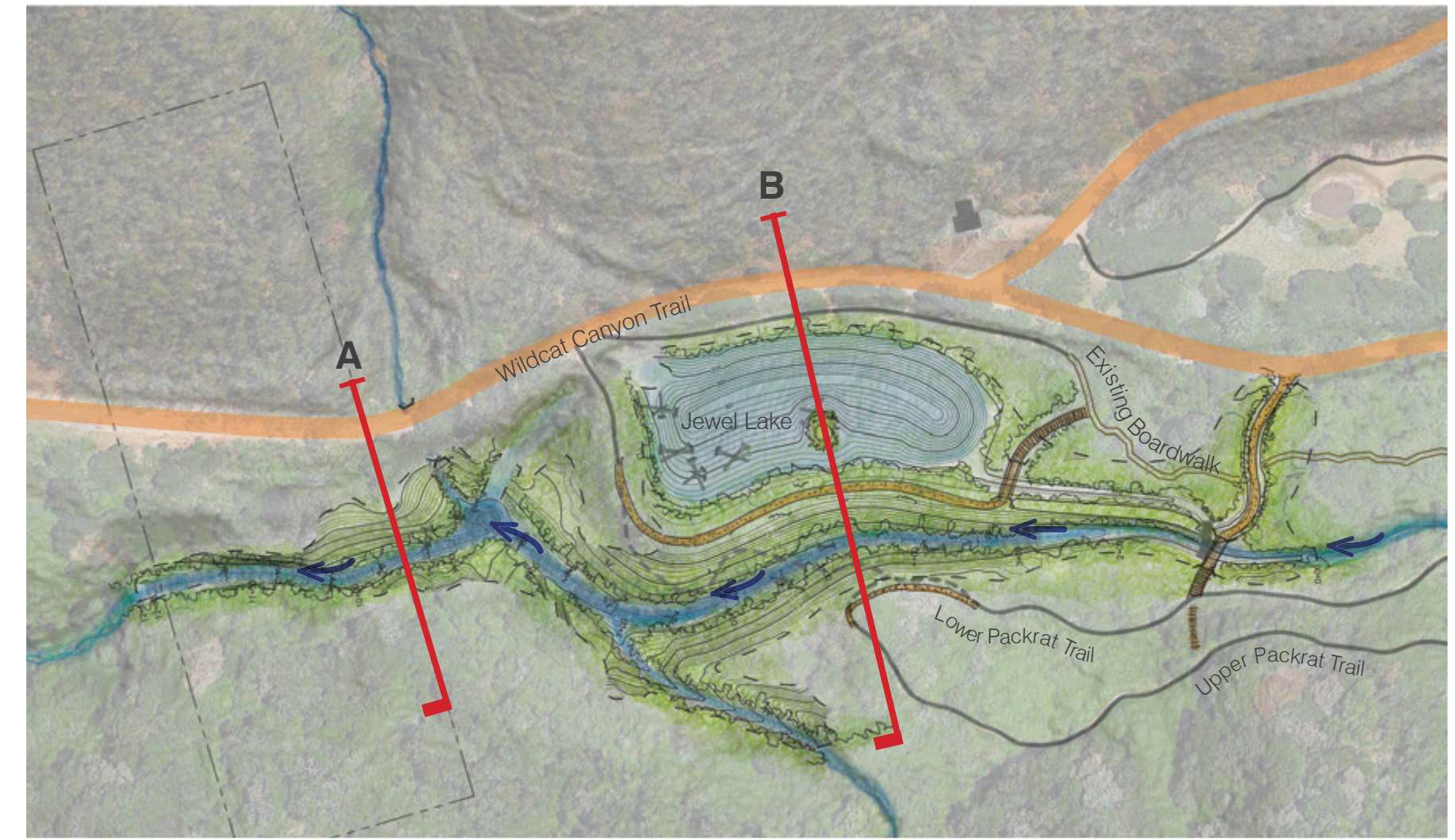
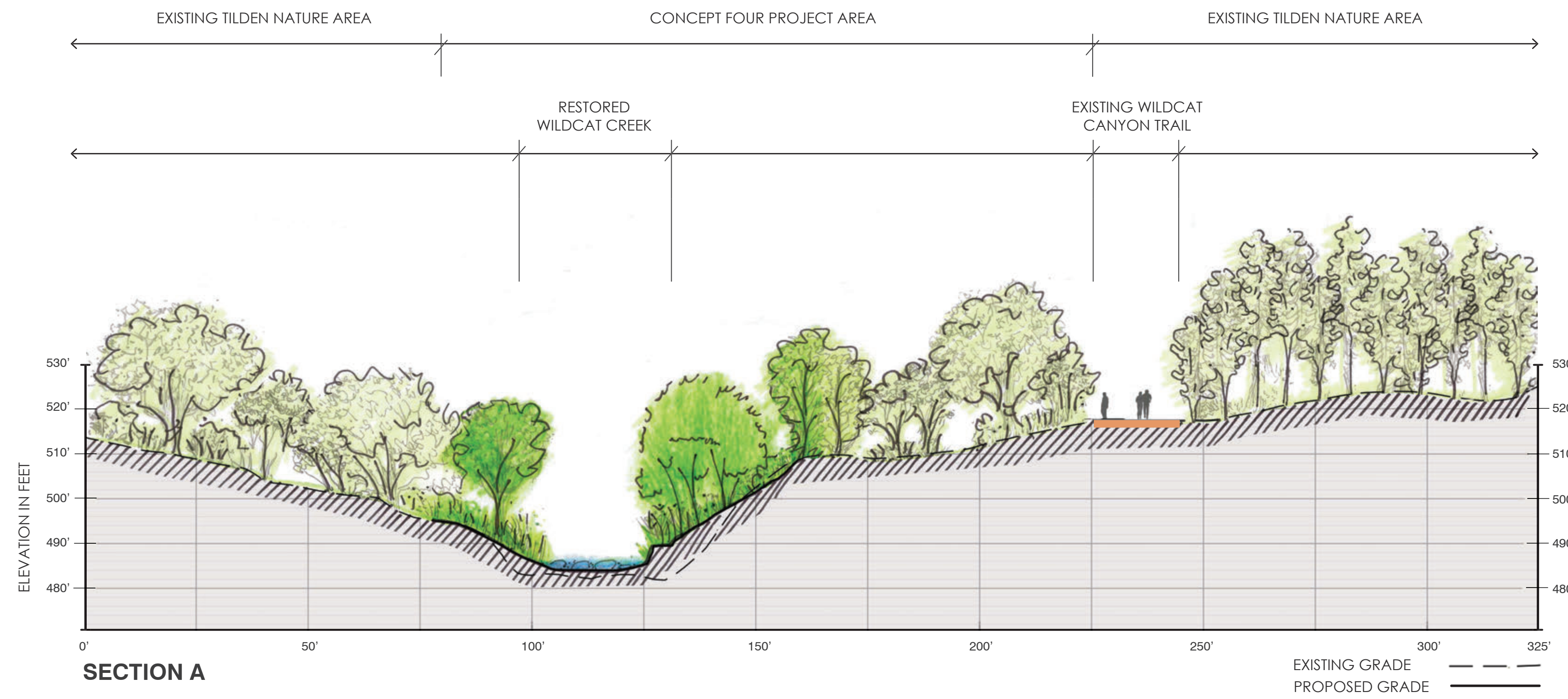
EXISTING FIRE ROAD

EXISTING BOARDWALK

EXISTING FOOT TRAIL

DECOMMISSIONED FOOT TRAIL

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KEY PLAN | CONCEPT 4 SECTIONS

