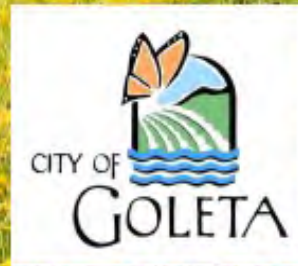


ELLWOOD MESA

Trails & Habitat Restoration Design Project

Public Outreach Meeting #2

Ellwood School • December 5, 2012



CITY OF GOLETA • SANTA BARBARA TRAILS COUNCIL

PURPOSE FOR MEETING TONIGHT

1. Review goals of the project.
2. Share what we learned from the 1st meeting, site visits and other input from the community?
3. Show how the community input has been incorporated into the project.
4. Get additional input from the community on the project.





Legend

- Coastal-De Anza Trail
- Coastal Trail
- De Anza Trail

Coastal - De Anza Trail Design

Project involves only these trails & beach accesspoints.

WHAT DID WE HEAR FROM THE COMMUNITY?

1. Trail design improvements should be as minimal and natural as possible. No borders, native soil, variable width.
2. No new facilities or development that could intensify use or create new problems.
3. Solutions should be the least expensive and most natural. Bridges and crossings only if absolutely needed. Look for alternative routes that go around the gullies.
4. Habitat restoration associated with the trail improvements is important. Fennel blocking ocean views should be removed.
5. Beach access should be as natural as possible. No asphalt, natural paths that use existing topography as much as possible.



DESIGN GUIDELINES / PRINCIPLES

Proposed guidelines for the Ellwood Coastal & De Anza Trail Design (trail & habitat restoration, beach access, gullies & crossings)

1. Minimal Change (no more modification than necessary)
2. Maintain Natural Setting (no borders, rural feeling, flowing, variable width, native soil)
3. Least impact/expense (minimal expense for the job)
4. Enhance not replace (no radical changes)
5. Solves problems, not create new ones
6. Long term sustainability (minimizes problems over many years)

KEY ISSUES & CONCERNS

Areas of concern identified by the City and Community.

1. Erosion Control - how to address w/o drastic change.
2. Gully & Creek Crossings - making them safe & accessible in the most minimal way possible.
3. Trail Restoration & Design – tread, width, borders, keeping natural, rural flow consistent with uses.
4. Native Plant Restoration – removal of invasive species and replanting along the trails.
5. Beach Access – erosion control, safe access, deteriorating asphalt, tread type, steps.

Legend

- Coastal Trail
- Coastal-De Anza Trail
- De Anza Trail
- Beach Access



Project Focus Areas Circled in Red
Areas outside of circles need minimal restoration.

Examples of areas where minimal changes are needed.

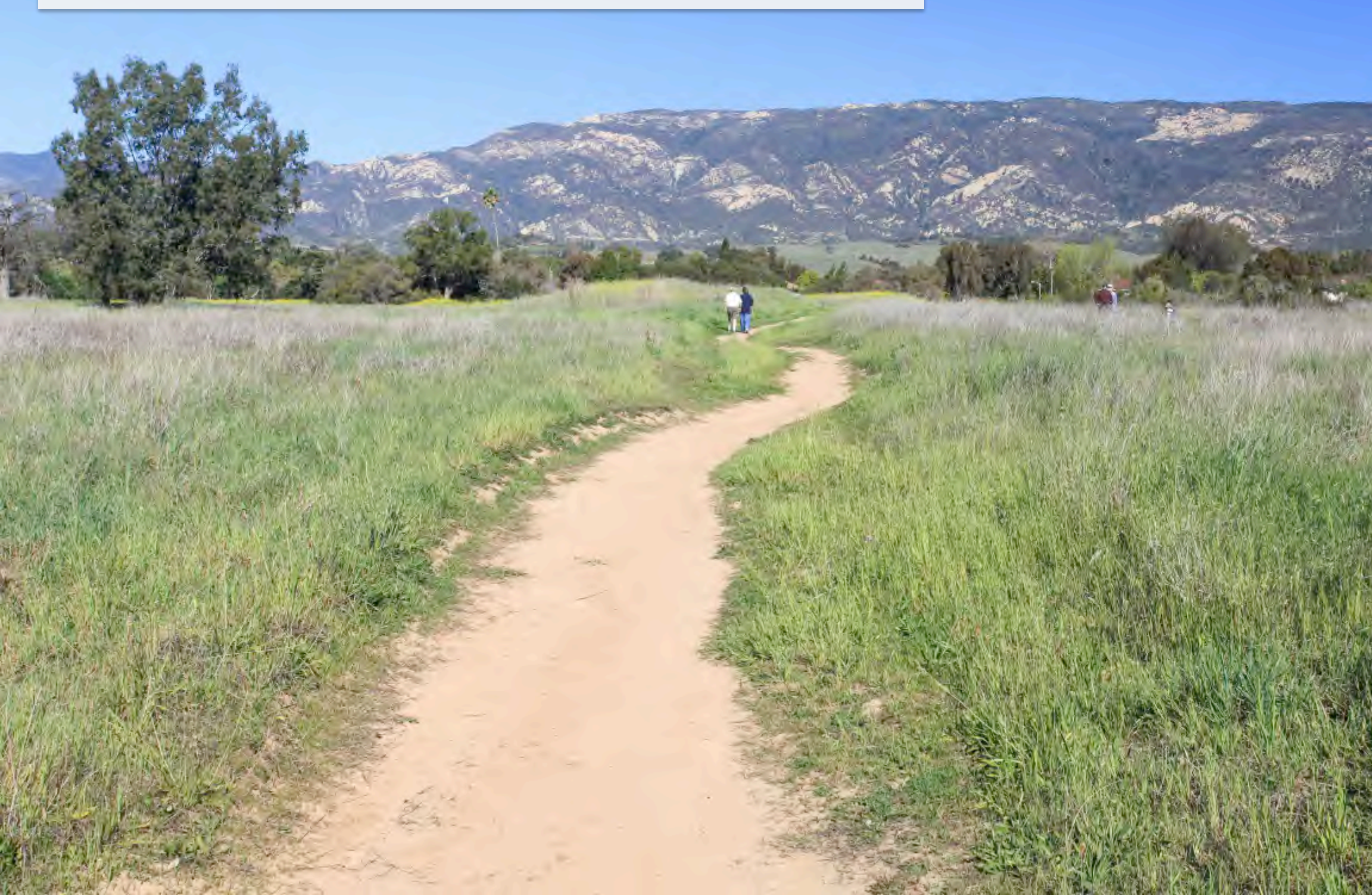


Example of minimal trail modifications at Lake Los Carneros



**Straight 10' wide road with multiple narrow paths and one entrenched path.
Trail flow created by digging up alternating sections on either side and curving the trail.**

Lake Los Carneros – springtime following work completed on this trail the previous fall.



DE ANZA TRAIL — Small modifications can create a more natural, flowing trail and provide for better erosion control w/o changing the rural quality.



Key Issue #1

Erosion Control

De Anza Trail. Simple changes can be completed w/o sacrificing the natural, rural look of Ellwood Mesa or trail experience.



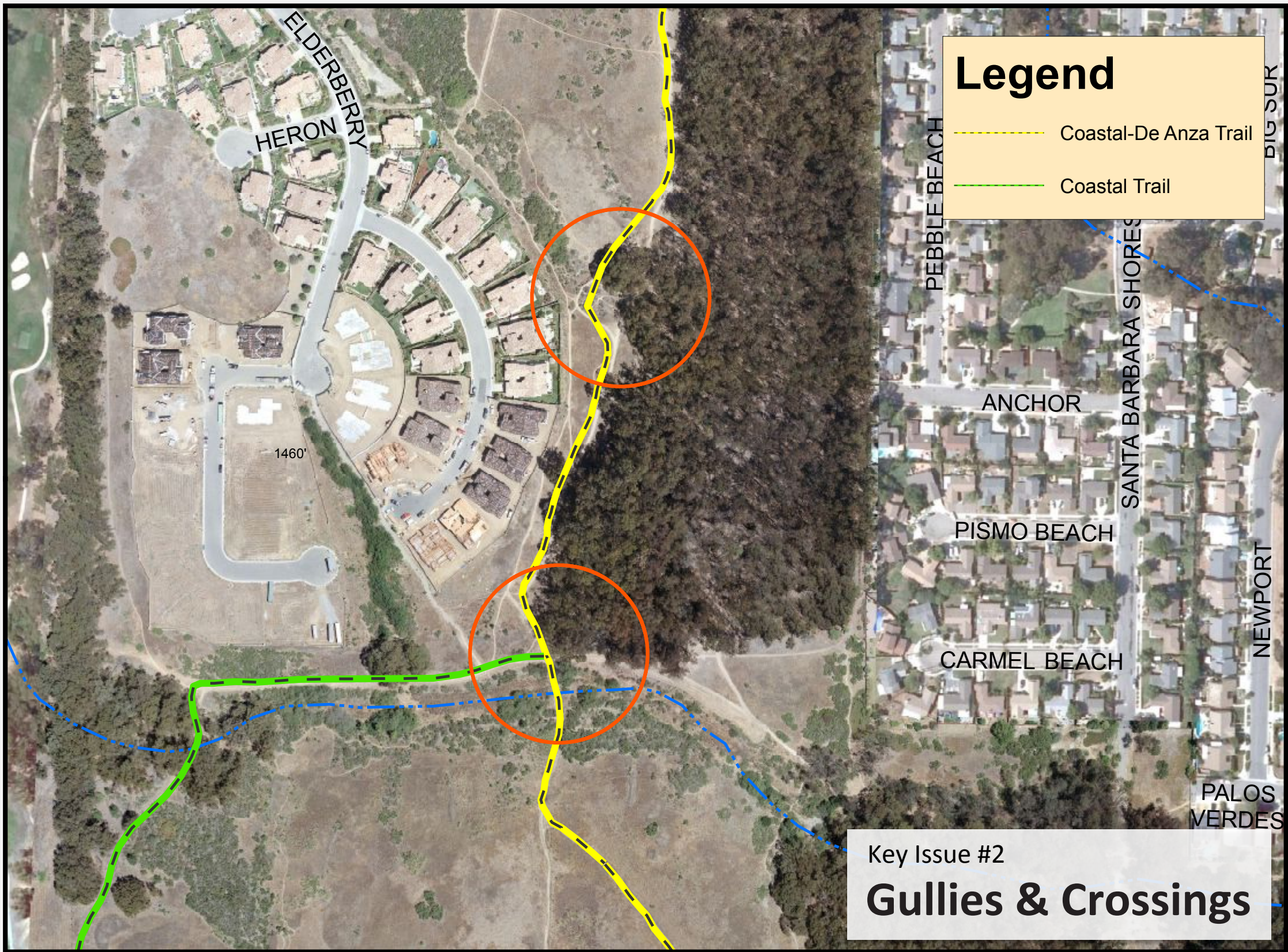
Trail is entrenched (below surrounding area) about 8-10" and water can only flow down it. Small adjustments like those shown in previous slide can minimize erosion and create a pleasing flow.





Key Issue #2

Gullies & Crossings



Legend

- Coastal-De Anza Trail
- Coastal Trail

Key Issue #2
Gullies & Crossings

Legend

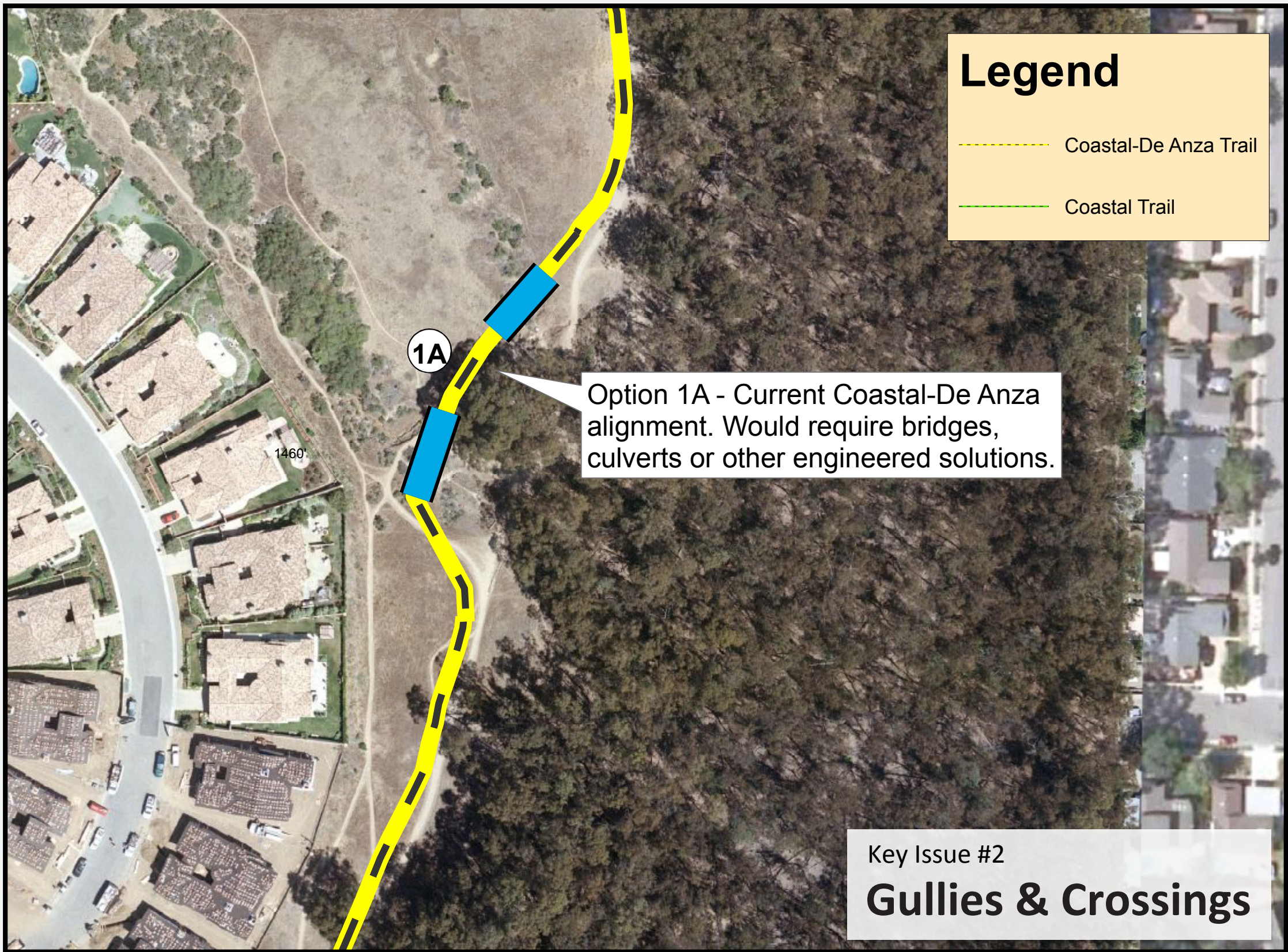
- Coastal-De Anza Trail
- Coastal Trail

1A

Option 1A - Current Coastal-De Anza alignment. Would require bridges, culverts or other engineered solutions.

1460'

Key Issue #2
Gullies & Crossings





Gullies – Option 1A



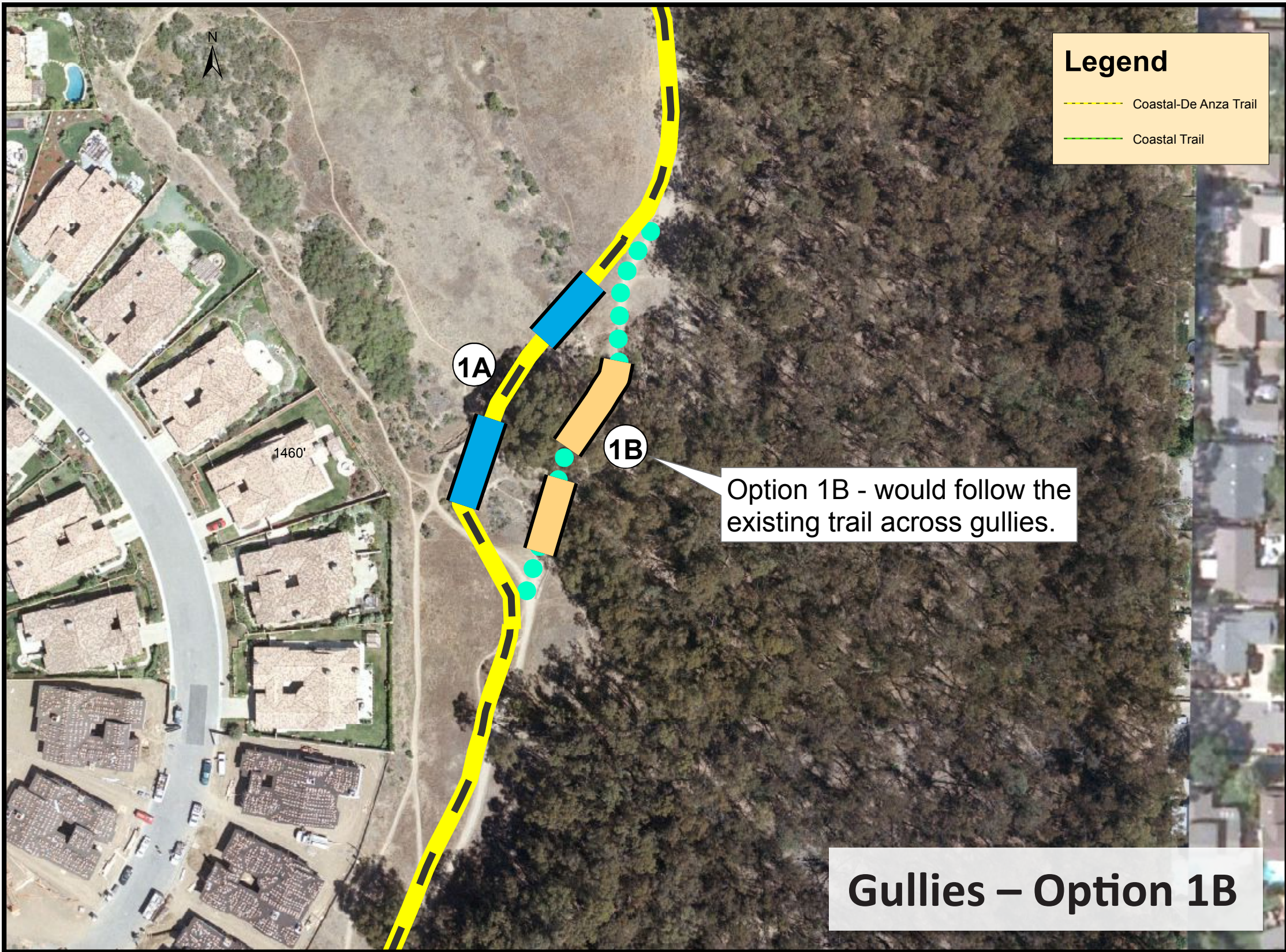
Gullies – Option 1A



Gullies – Option 1A



Gullies – Option 1A



Legend

- Coastal-De Anza Trail
- Coastal Trail

1A

1B

Option 1B - would follow the existing trail across gullies.

1460'

Gullies – Option 1B



Gullies – Option 1B

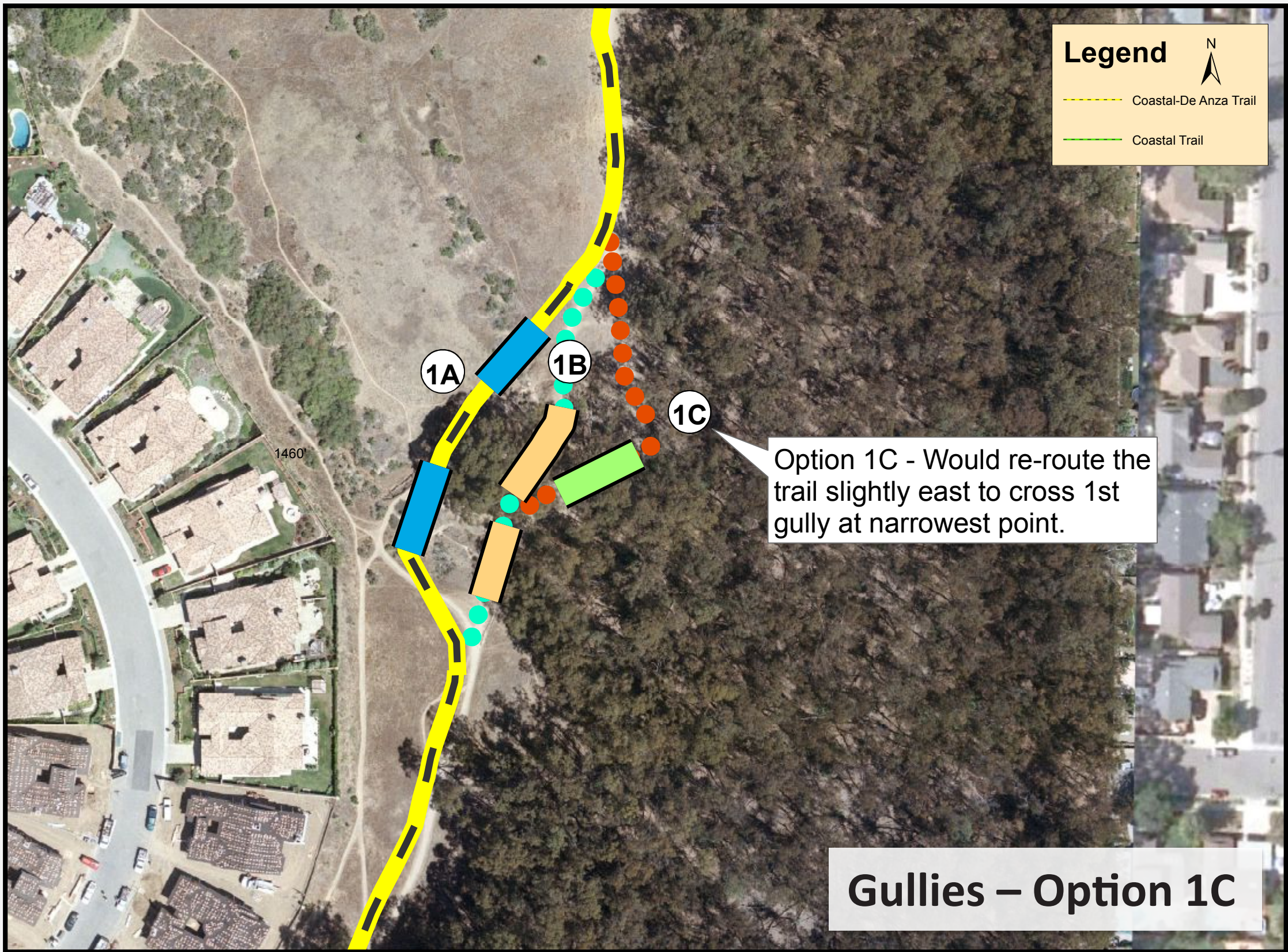



Gullies – Option 1B

Legend

--- Coastal-De Anza Trail

--- Coastal Trail



1A

1B

1C

Option 1C - Would re-route the trail slightly east to cross 1st gully at narrowest point.

Gullies – Option 1C

1460'



Gullies – Option 1C



Gully #2 – Option 1 B/C



Gully #2 – Option 1 B/C



Gully #2 – Option 1 B/C

HERON
ELDERBERRY

Legend

- Coastal-De Anza Trail
- Coastal Trail
- Pedestrian

1A
1B
1C

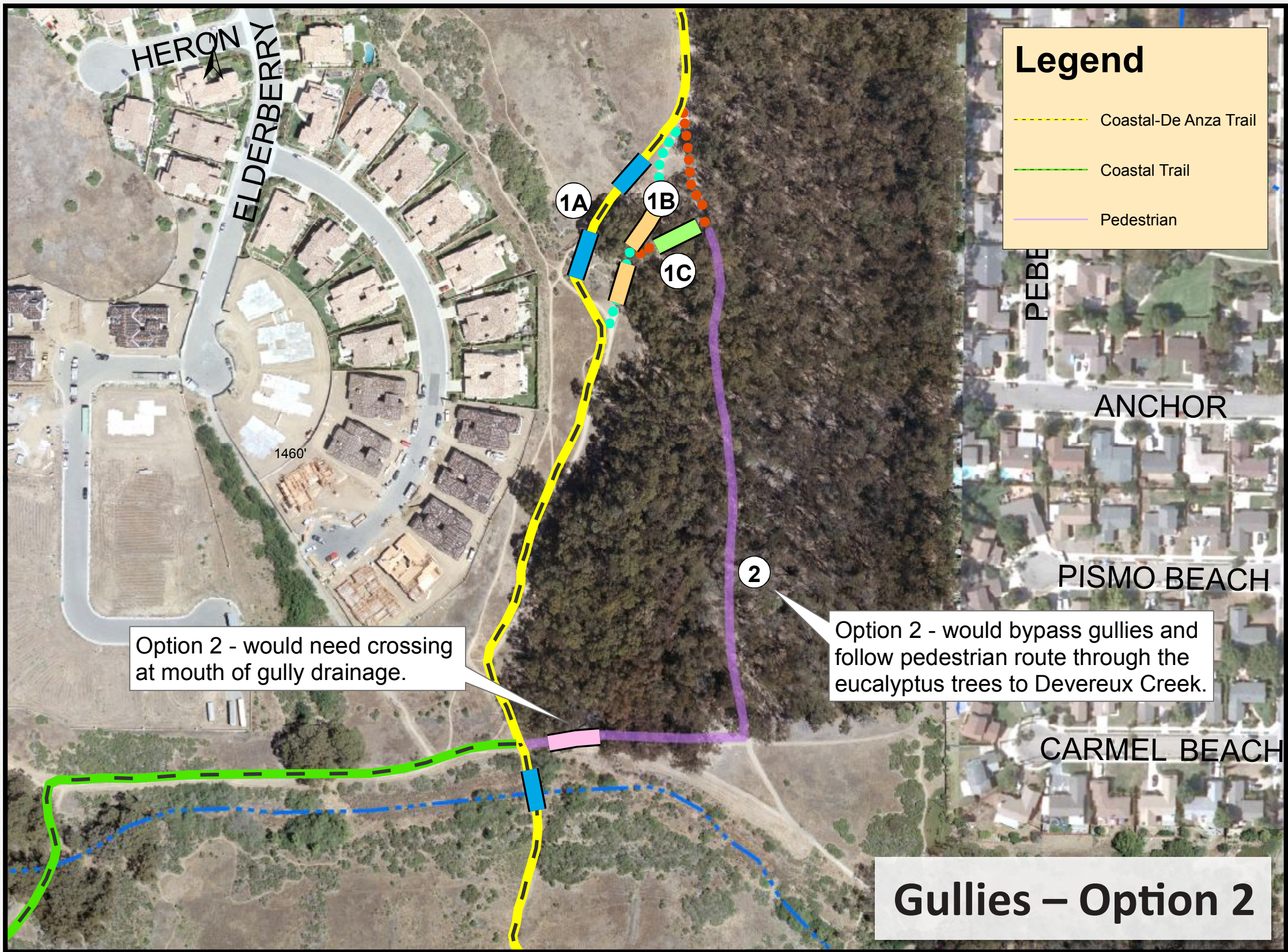
2

Option 2 - would need crossing at mouth of gully drainage.

Option 2 - would bypass gullies and follow pedestrian route through the eucalyptus trees to Devereux Creek.

PEPPER
ANCHOR
PISMO BEACH
CARMEL BEACH

Gullies – Option 2





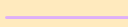


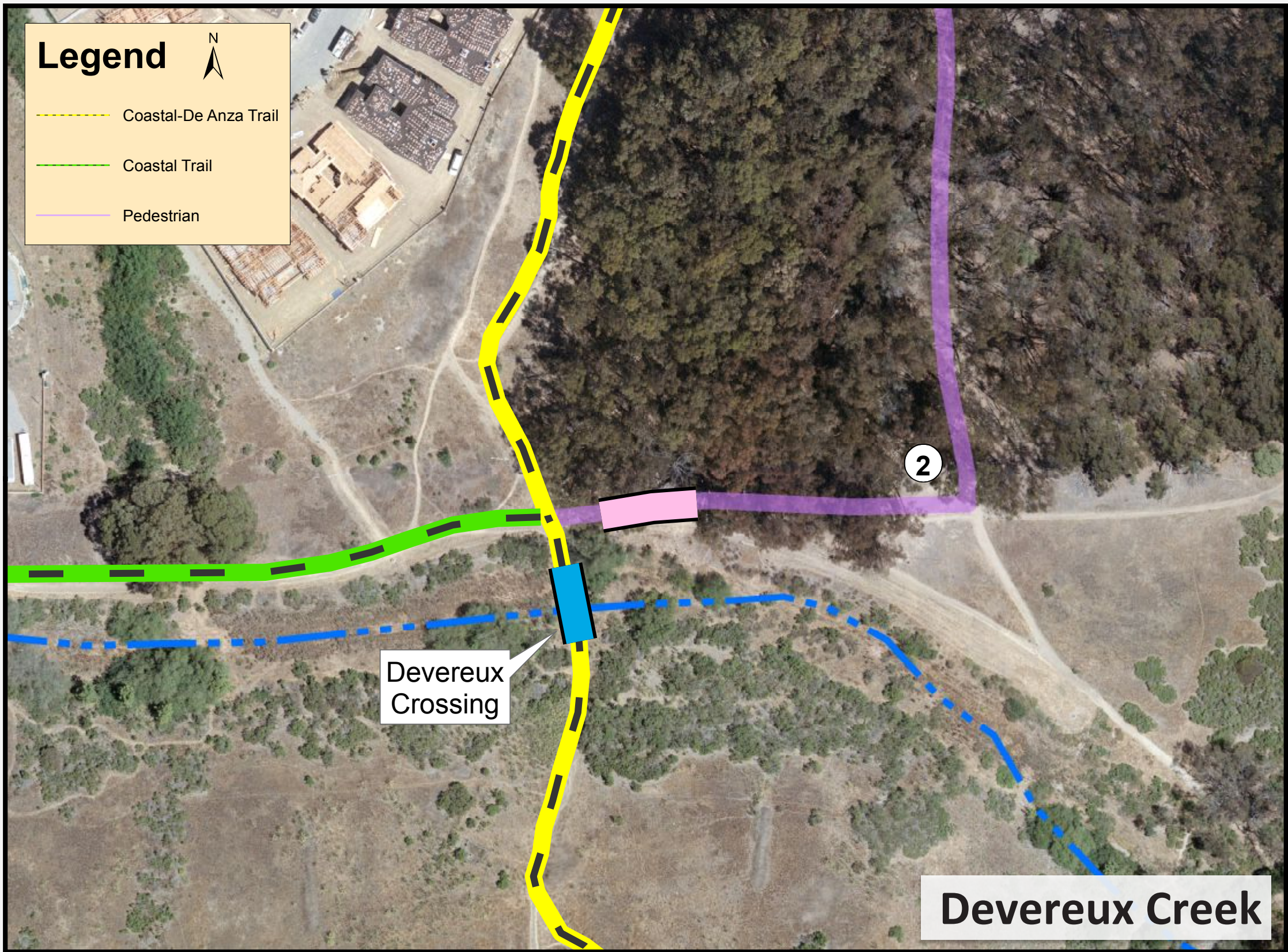
Gullies – Option 2 Bypass Them



Legend



-  Coastal-De Anza Trail
-  Coastal Trail
-  Pedestrian



Devereux Crossing

2

Devereux Creek

DEVEREUX CROSSING



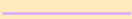
- Option 1 – Construct multi-use bridge that spans the creek.
- Option 2 – Use “screw piling” design to construct a boardwalk type crossing that meets accessibility and equestrian standards.



Devereux Creek

Legend

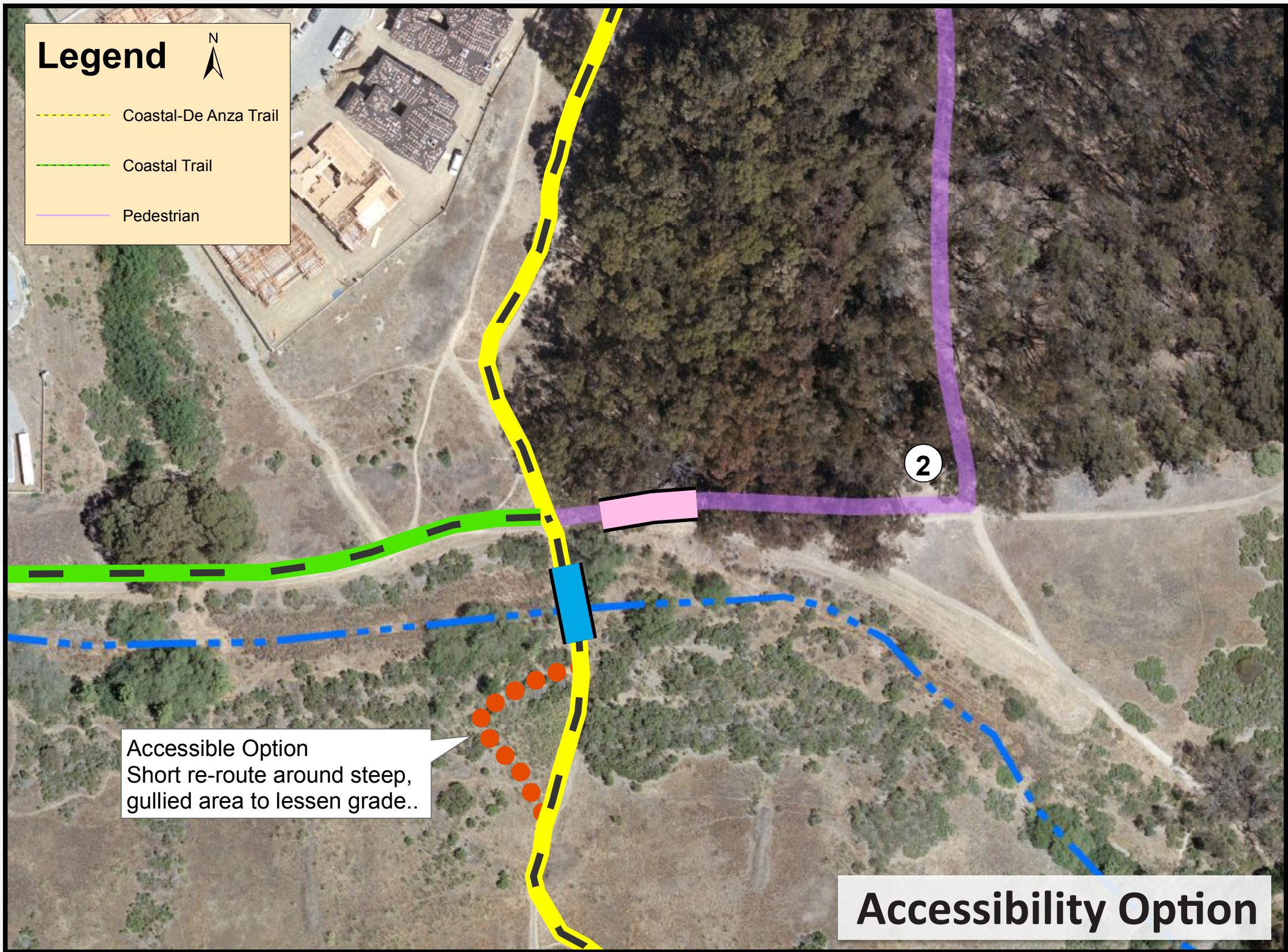


-  Coastal-De Anza Trail
-  Coastal Trail
-  Pedestrian

Accessible Option
Short re-route around steep,
gullied area to lessen grade..



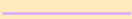
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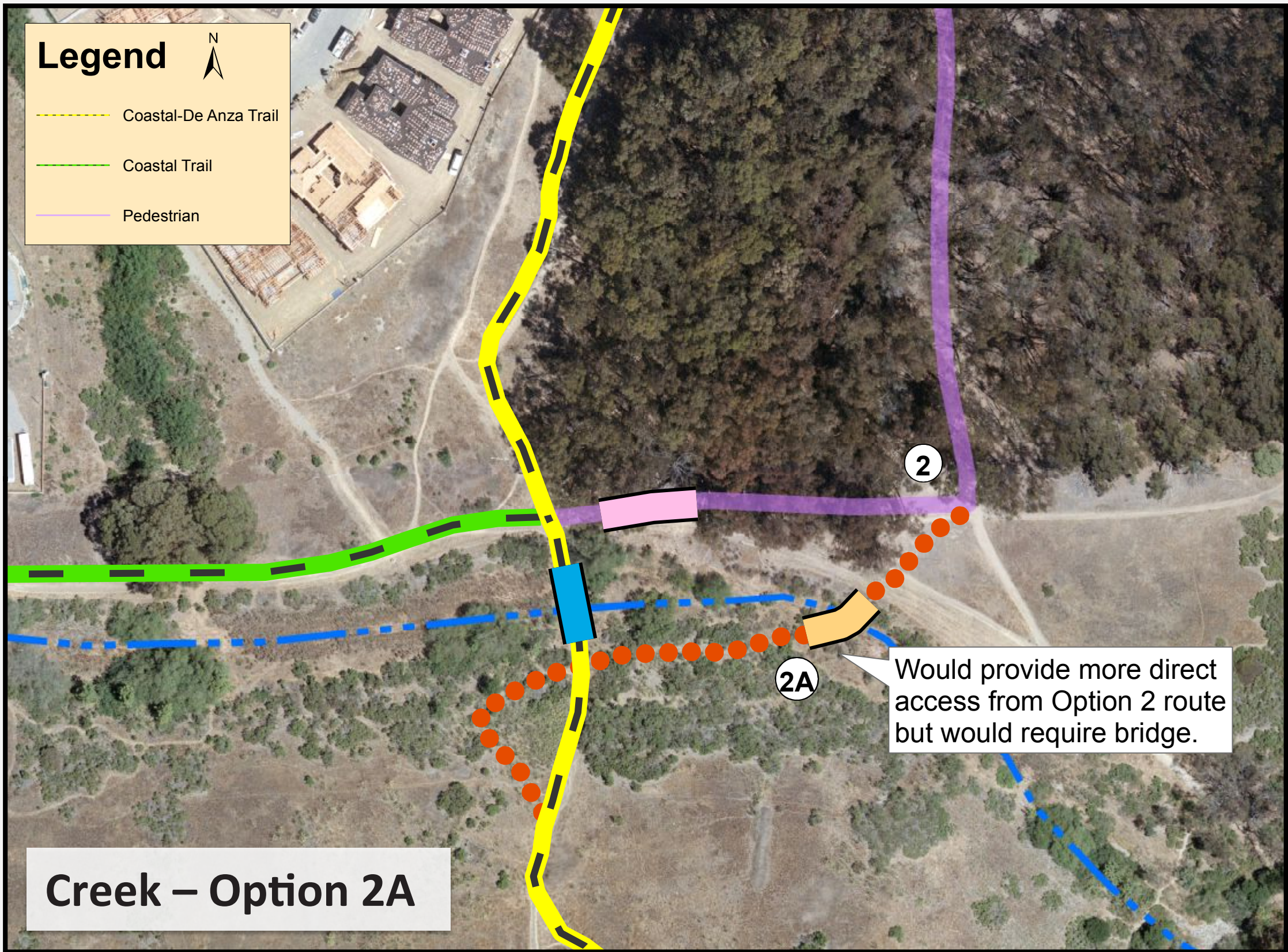
Accessibility Option



Legend



-  Coastal-De Anza Trail
-  Coastal Trail
-  Pedestrian



Would provide more direct access from Option 2 route but would require bridge.

Creek – Option 2A



Key Issue #3

Trail Restoration & Design

Legend

- Coastal Trail
- De Anza Trail
- Beach Access

Beach Access F

Beach Access E

City Boundary

Project Focus Areas Circled in Red



Key Issue #3

Trail Restoration & Design

Legend

- Coastal Trail
- De Anza Trail

Beach
Access F

Beach
Access E

Bluff top Trail Design — CA Coastal Trail

Coastal Trail Design Is Along Existing Route



Key Issue #3

Trail Restoration & Design

Legend

- Coastal Trail
- De Anza Trail
- Parallel Trail

Beach
Access F

Beach
Access E

Bluff top Trail Design — CA Coastal Trail

Parallel trails will not be disturbed





Enjoyment of the parallel bluff top trails will not be affected by the Ellwood Trail & Restoration Design Project.



**CA Coastal
Trail**

**Parallel
Trail**

Goal is to design improvements to repair Coastal Trail damage while maintaining trail's natural character.

Proposed Restoration Design

- **Natural borders.**
- **Native soil trail surface.**
- **Natural flowing trail that varies in width.**
- **Native plant restoration along the trail.**
- **No loss of parallel trails along the bluff.**

- **Use native soil from berms along the trail to fill in the gullied parts of the Coastal Trail.**
- **Vary tread width from 6-8'.**
- **Design width and flow to complement existing parallel trails along the bluffs.**





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**Restoration Where
Berm Removed**



**Berm Used
For Fill**



- Along trail corridor/berm & fill areas.
- Emphasis on the bluff side of trail.
- Design restoration for removal of fennel along bluffs where it blocks views.

Restoration Where
Berm Removed



Restoration Where
Fennel Blocks Views



Key Issue #4

Native Plant Restoration



Key Issue #5

Beach Access - F

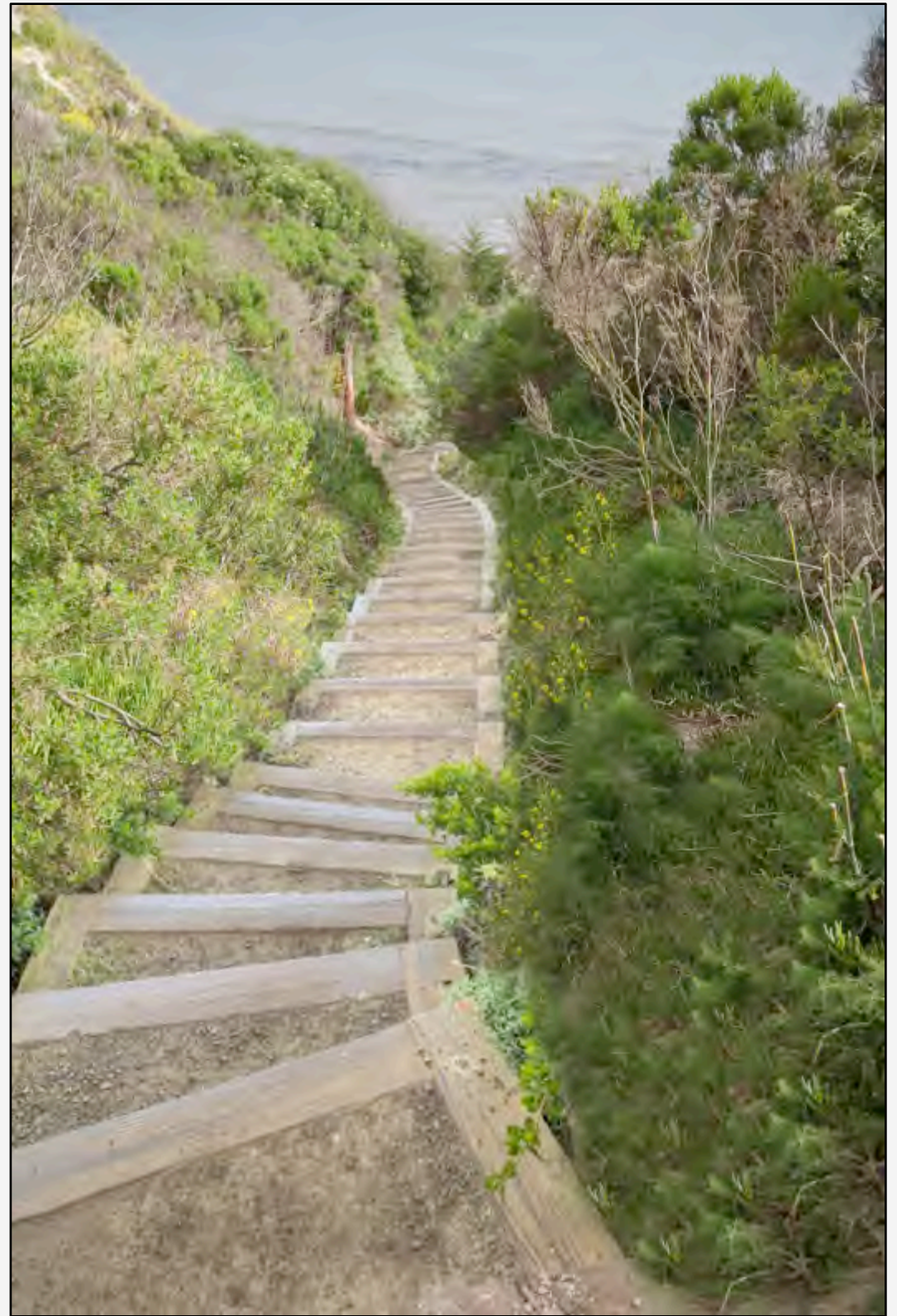


Route trail through firepit
with extensive restoration

Stairway to beach







Key Issue #5

Beach Access - E



Asphalt is deteriorating and has led to damage along the lower trail and unsafe beach access.



Damage from deteriorating asphalt is difficult to repair.





- Remove asphalt.
- Design natural, native soil tread with erosion control.
- Add stairway from trail down to the beach.

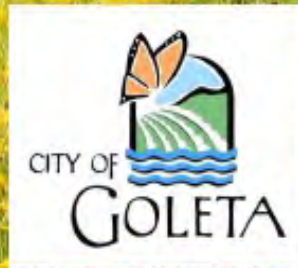
NEXT STEPS

- **Modify design based on public input.**
- **Present design to City Council**
- **Further internal review of the DRAFT Design by City Staff & Trails Council after Council meeting.**
- **Environmental review.**
- **More public input.**

ELLWOOD MESA

Coastal Trails & Habitat Restoration Project

THANKS FOR COMING!
Next: Questions & Answers.



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