



Tahoe Donner Nature Loop Trail Improvement Project

BOARD OF DIRECTORS
MEETING

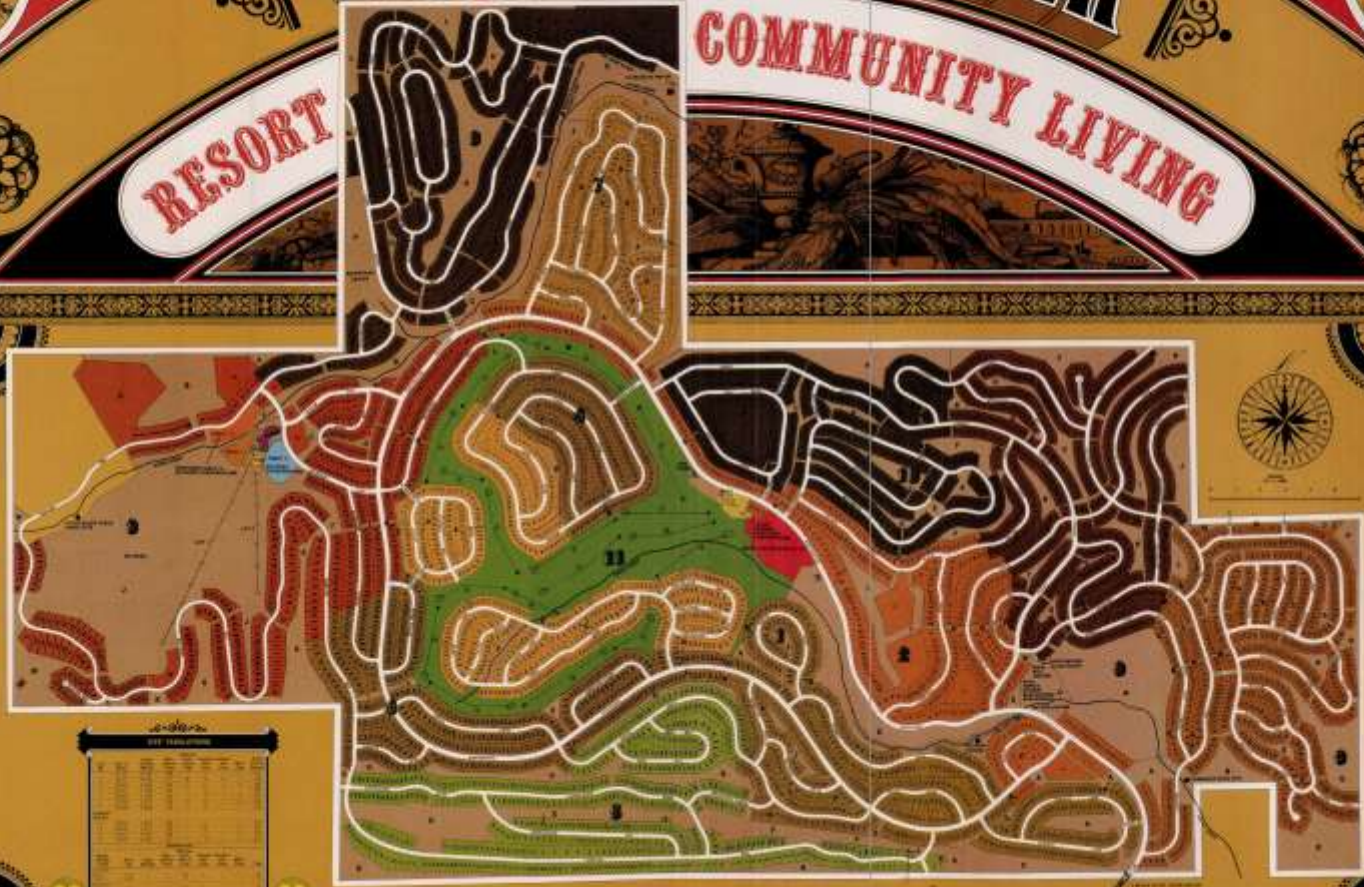
APRIL 27, 2019

TAHOE DONNER



RESORT

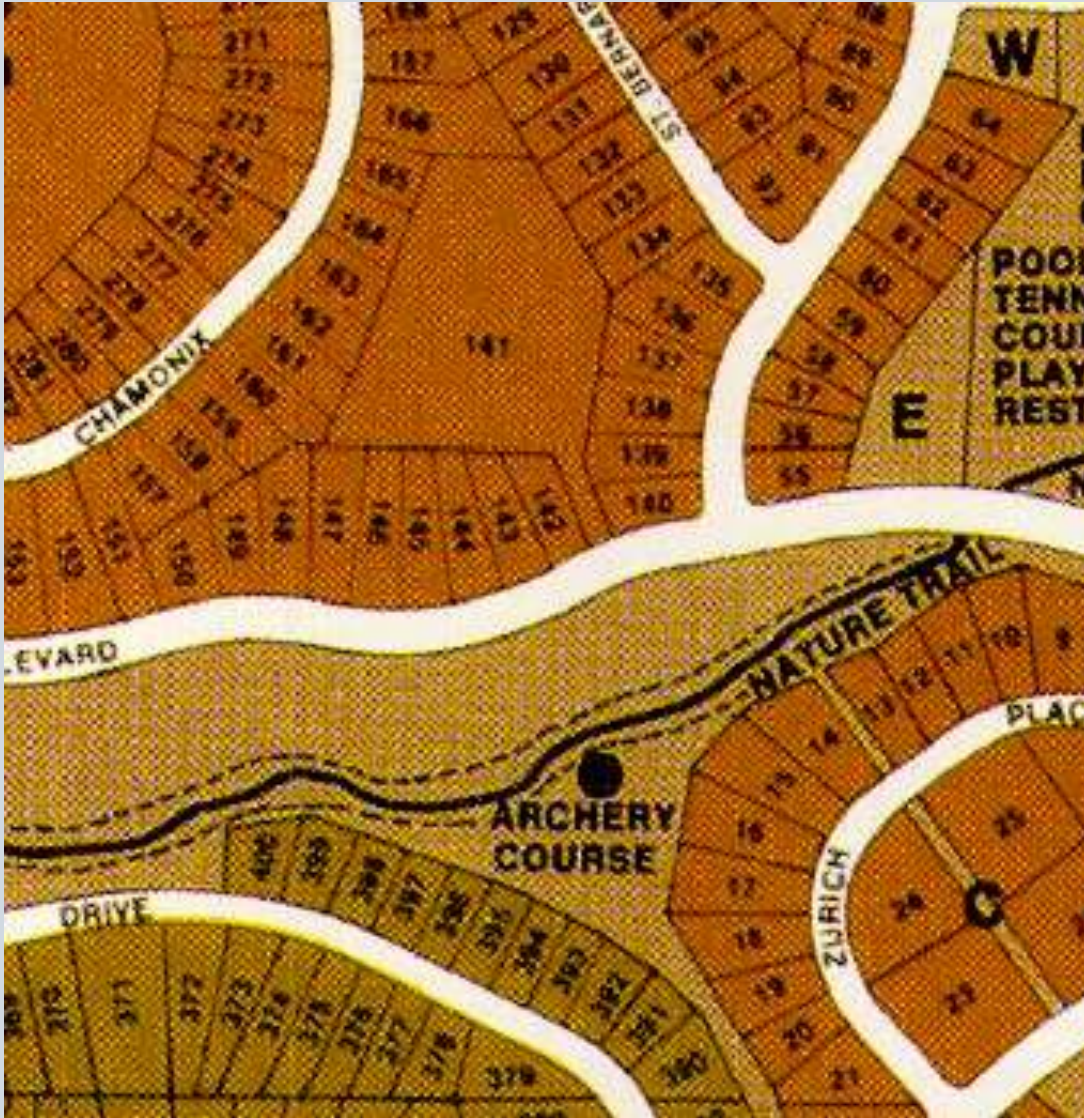
COMMUNITY LIVING



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1981 ADDITIONAL LEGAL WITH THE P.O. BOX 1200, TAHOE VAL, CA 95715

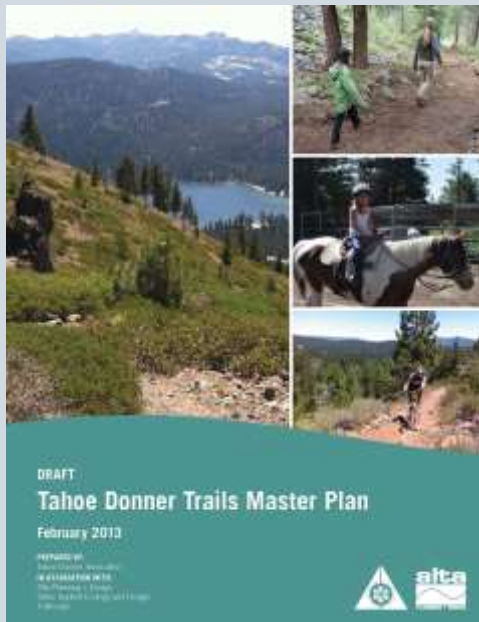


Signature Asset

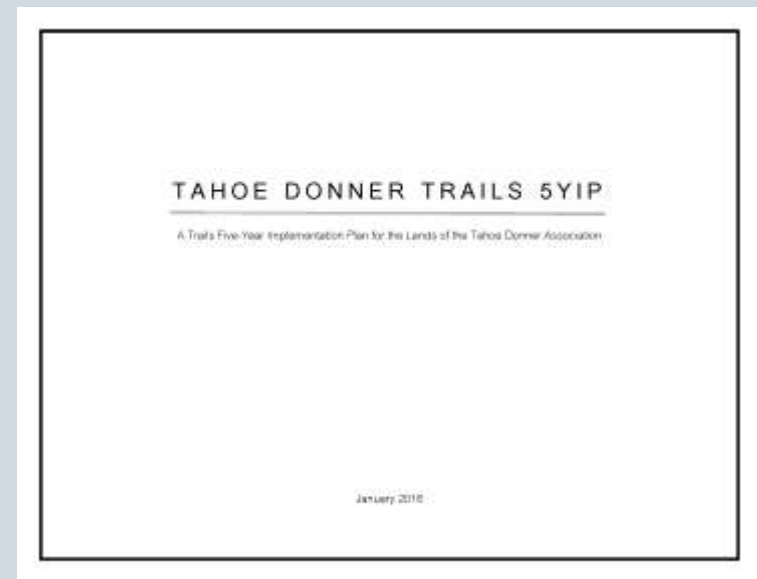
- Original trail built by Dart Industries almost 50 years ago
- 3 mile recreational loop in the heart of TDA
- Community connection
- Unique character and access to world of natural fascination, especially for children
- Unmatched experience in this area
- Access road and bridge is the only motorized vehicle access into the parcel for TDA forest management activities

Trails Guiding and Planning Documents

TRAILS MASTER PLAN



5-YEAR IMPLEMENTATION PLAN



Trails Master Plan Projects

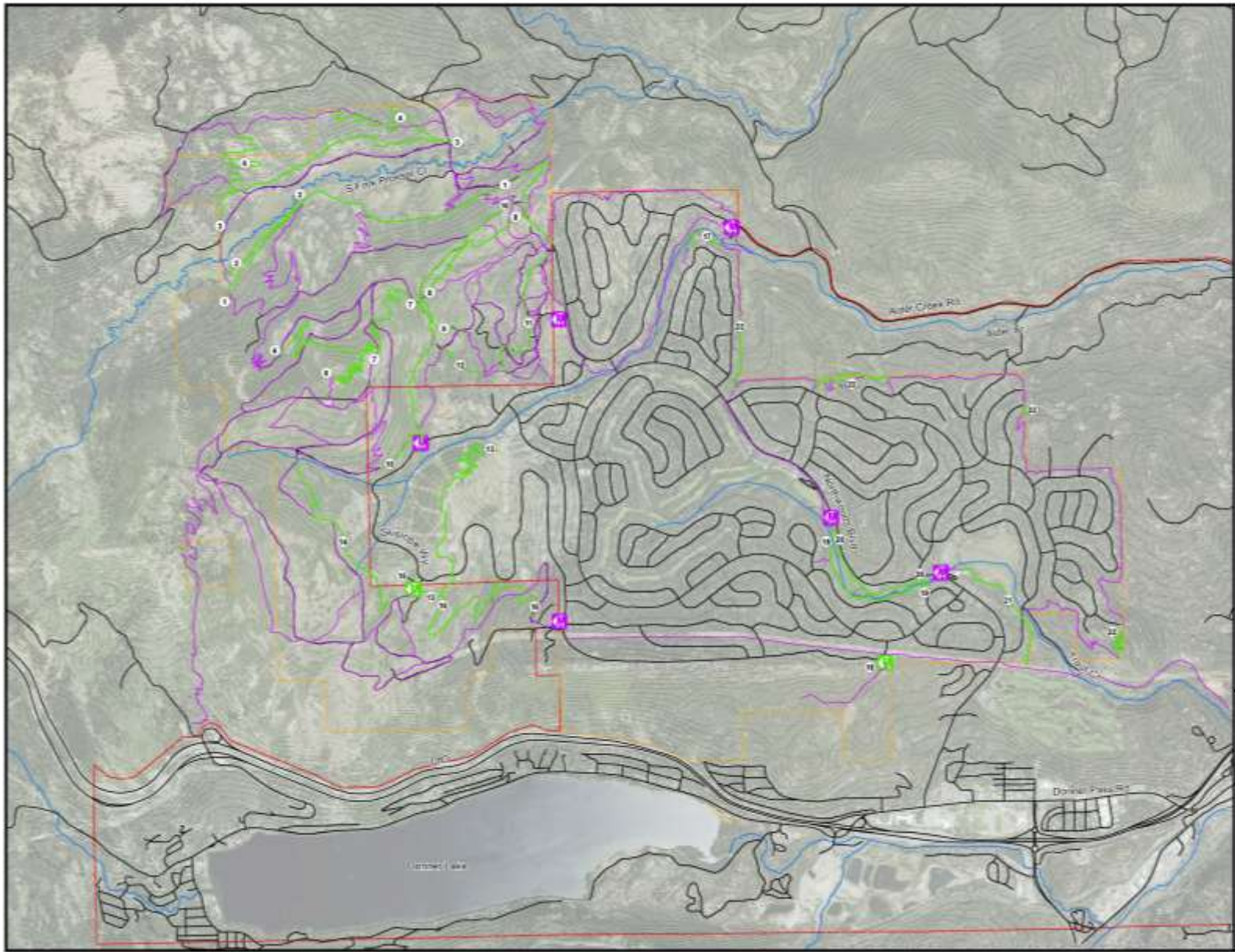
The Trails Master Plan identifies trail improvements and recommended new trails projects

This projects list was prioritized through collaborative efforts by management and General Plan Committee Trails Subgroup

The project list was broken down into 5 year increments resulting in first 5-Year Implementation Plan

2-year development of environmental permit application, and multi-jurisdictional environmental review and approval

- Nevada County approval September 2016
- Town of Truckee approval February 2017
- 5-Year Implementation Plan Application and supplemental documentation <http://www.mynevadacounty.com/nc/cda/planning/Pages/Tahoe-Donner-Trails-Plan.aspx>



- Proposed Projects
- Existing Trails
- Existing Trailhead
- Project Trailhead
- Paved Roads
- Unpaved Roads
- 50 ft Topographic Contour
- Tahoe Donner Boundary
- Town of Truckee
- ① Trail / Trailhead Project Number 1-22

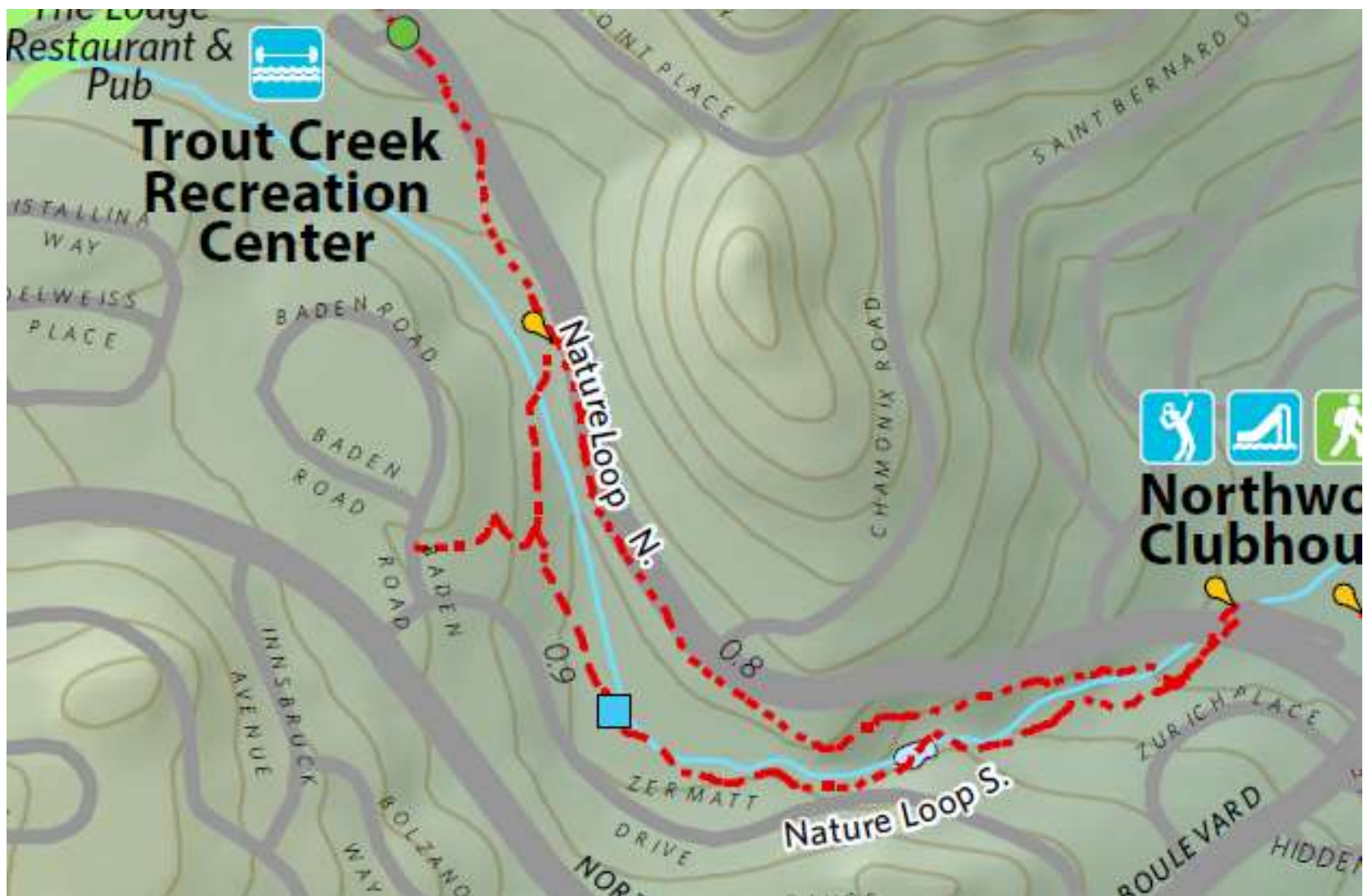


Existing and Proposed Projects Over TD Trails 5-Year Implementation Plan
Town of Truckee / Nevada County, California



Data Source: TDA
© 2015 Tahoe Donner





The Lodge
Restaurant &
Pub



**Trout Creek
Recreation
Center**

INSTALLINA
WAY
SELWEISS
PLACE

BADEN ROAD

BADEN
ROAD

INNSBRUCK
AVENUE

BOLZANO
WAY

Nature Loop N.

0.9

0.8

ZERMATT
DRIVE

Nature Loop S.

SAINT BERNARD D.

CHAMÖNIX ROAD

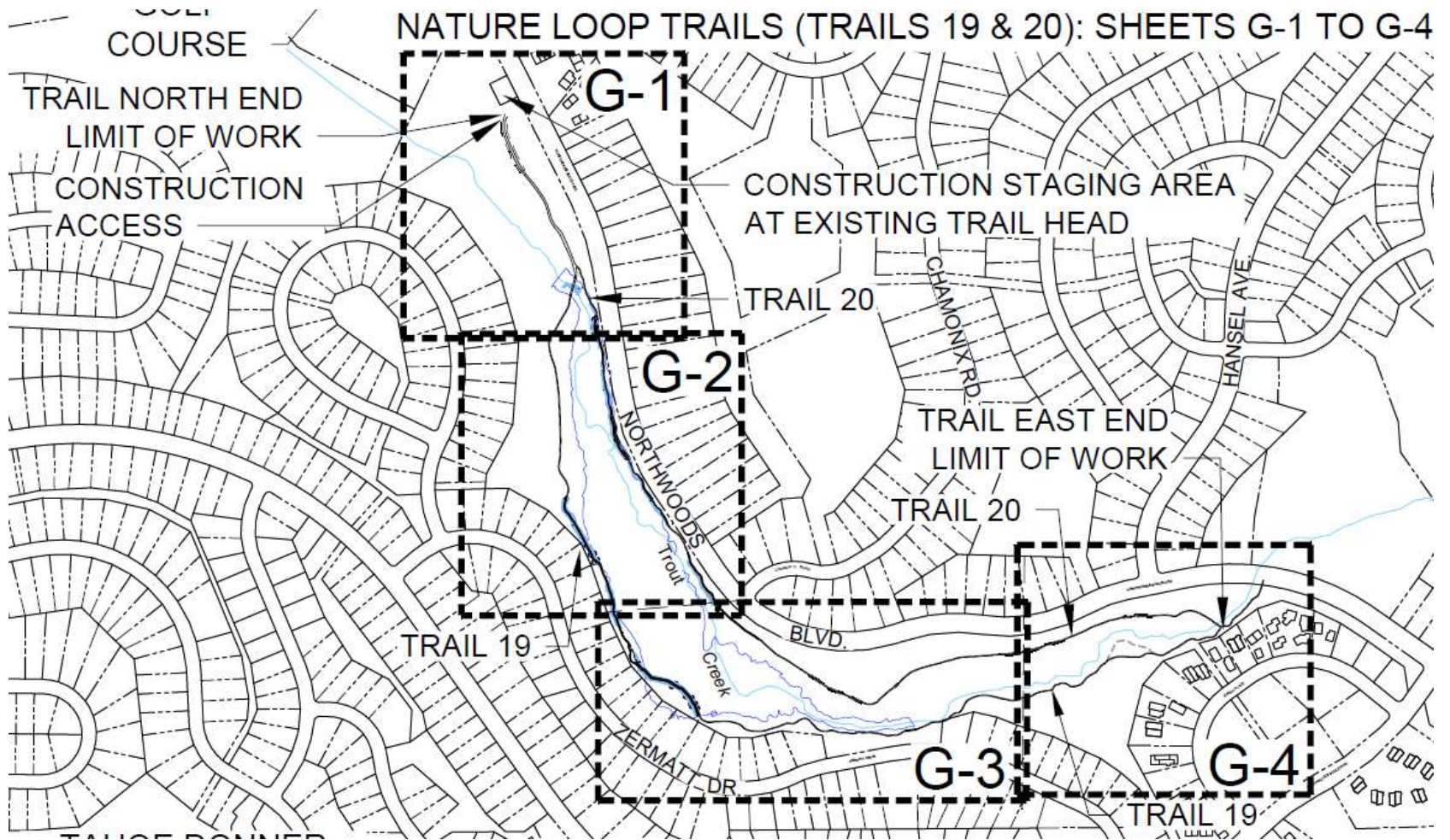


**Northwest
Clubhouse**

ZURICH PLACE

BOULEVARD

HIDDEN



Nature Loop Trail Projects 19 & 20

Constraints & Resources:

- The Nature Loop is 3 mile loop which circumnavigates a large riparian area associated with Trout Creek, including the cultural resources, wildlife, wetlands and floodplain associated with this waterway.
- Alternative alignments and available fixes limited to existing footprint due to adjacent slopes, private property and environmental resources.
- Area of high archeological sensitivity



Opportunities & Areas of Import

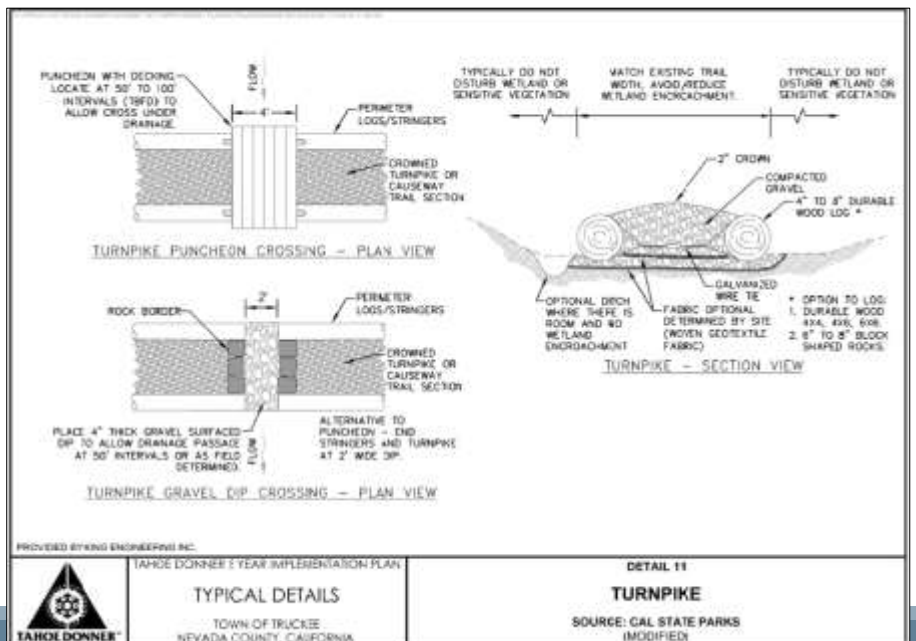
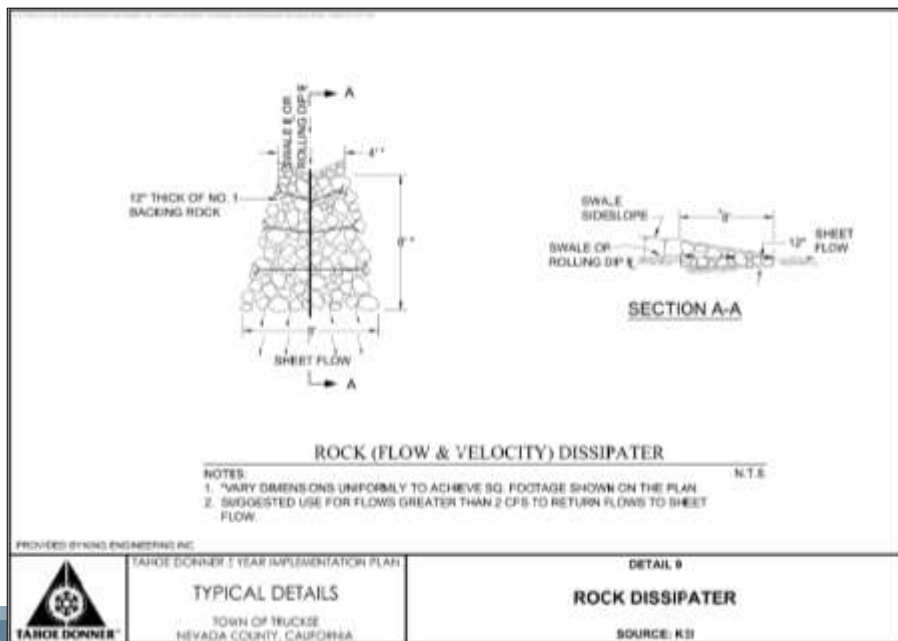
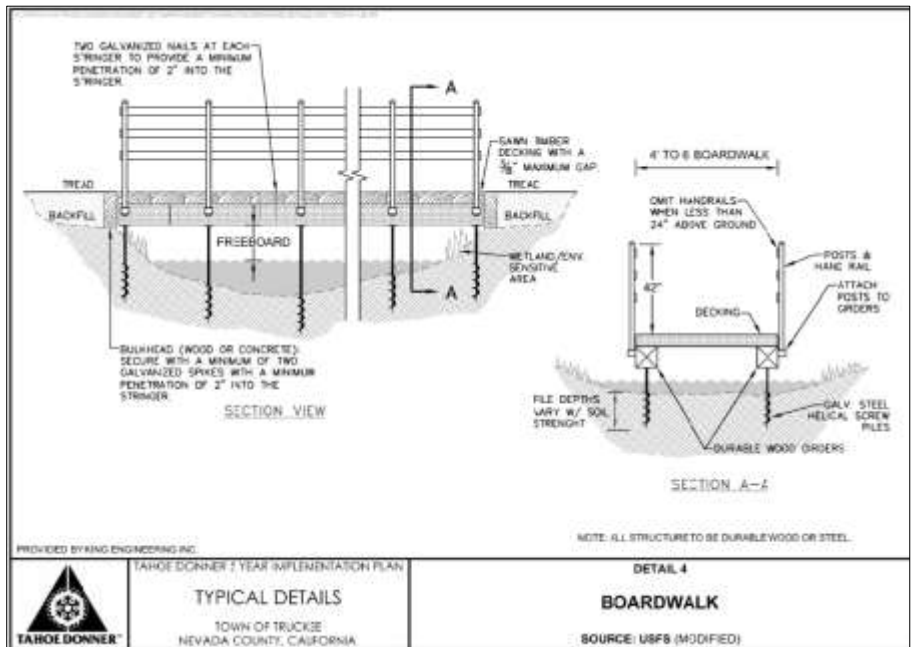
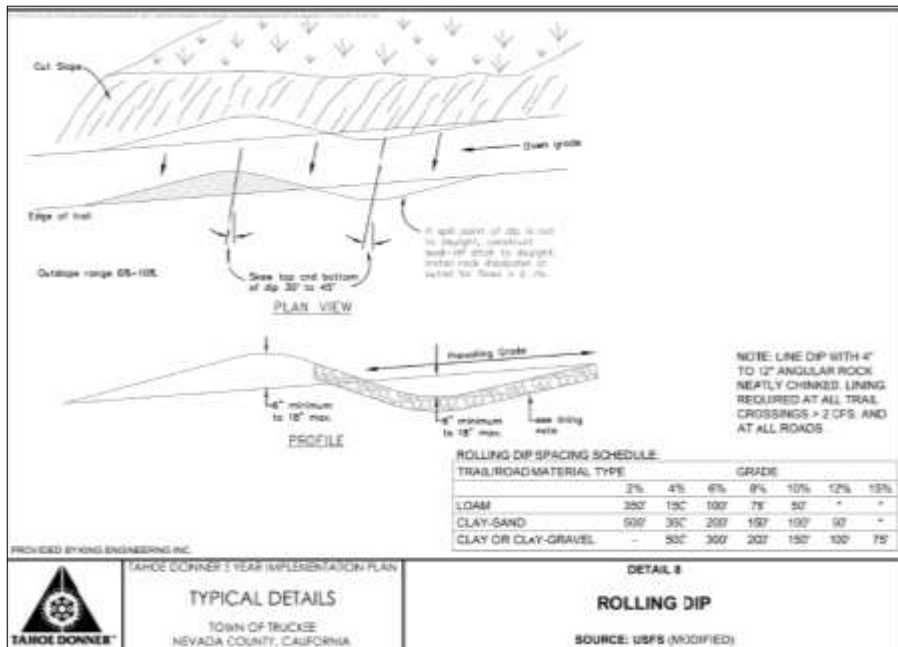
- Project intends to address and resolve existing areas of impact with a net result of environmental improvement as well as provide a better and safer user experience.
- Protection of water quality and quantity, wildlife and biological resources, and avoidance of historic resources are key factors.
- All planned trail work is proposed within the existing trail footprint, with only minor expansion associated with turnpike construction.



Project 19 & 20 Specifics

- 1 bridge replacement
- 1 boardwalk replacement
- 335 linear fee of new and rehabilitation of existing turnpike
- 1 rock wall retention and tread stabilization improvement
- 1 trail reroute and 225' of trail decommissioning
- 4 rolling dips (1 with rock dissipater)
- 1 armored swale, new and improved turnpike
- 1800 linear feet of rolling dips with rock dissipators on existing roadbed segment





Nature Loop Trail Project Construction

- Predominantly hand construction
- Exception - small equipment for bridge replacement (access via existing dirt trail from the north) and a mini excavator (3' wide wheelbase) with hydraulic auger for screw pile installation associated with the boardwalk replacement (also accessed from the north).
- Equipment and material staging area is located within existing adjacent trailhead area.



PROJECT MILESTONES

PLANNING + DESIGN

- Started project level scoping summer of 2017
 - Initial expenditure of Reserve Replacement Funds (RRF) for land survey and planning consultant assistance.
- February 24, 2018 Board of Directors Meeting
 - Approved additional RRF for completing soft costs related to resource surveys, studies and engineering.
- Summer thru early winter 2018
 - Completion of biological and geotechnical reports, floodplain mapping, cultural resources survey, and engineering plans.

PLANNING + DESIGN

DESIGN FRAMEWORK

- Trails Master Plan policies
- What was approved for negative declaration for CEQA
- What agencies would be willing to approve at construction level
- Fiscal responsibility
- Due diligence in alternatives (see right)
- Impacts of alternative(s) if available
 - Financial
 - Member experience
 - Environmental
 - Agencies

CONSIDERATIONS

Trail abandonment and restoration

- Consequences of this approach

Bridge

- Reduced vehicular load needs for bridge replacement; truck weight and width to ATV weight and width
- Replacement versus repair

Boardwalk

- Helical piers versus concrete abutments

Trail

- Current alignment versus reroute out of wet areas

PROJECT MILESTONES cont.

PERMITTING- next step (April – August+)

- TOS and GPC Committee review and recommendations to continue supporting project and funding through RRF.
- 2019 RRF Budget -Nature Loop Construction component \$75,000
 - Available for permitting soft costs
- Board review of recommendations to approve RRF soft costs relating to permitting of \$75,000:
 - Permit preparation - \$5,000
 - Permit fees - \$14,000
 - Plan changes + permit conditions - \$20,000
 - Wetland mitigation fees - \$20,000
 - Contingency - \$16,000
- Permitting applications to be prepared for submittal to:
 - Town of Truckee
 - Army Corp of Engineer
 - CA Division of Fish and Wildlife (CDFW)
 - Lahontan Regional Water Quality Control Board (Lahontan)

PROJECT MILESTONES cont.

CONSTRUCTION-

- Request for Proposal for Construction sent out January/February
 - Bids + small contingency = range up to \$610,000
- Best Case:
 - Late 2019 (September – October) permits will be approved by end of August, board approval dependent, construction could start in 2019 and roll into 2020 for completion.
 - 2019 RRF Budget funds available to initiate work under Nature Loop Construction and Nature Loop Bridge, Walkway components
 - Budget for 2020 RRF majority of construction %
- Most Likely Case: 2020 project
 - 2020 Budget RRF
- CA CDFW grant- made grant request of \$485,255; grant award results end of April
- CA CDFW grant #2 - will be making another grant request due, June 2019, for funds which can include permitting fees and construction.



Questions?