

1591 - Rosewood Nature Study Area Phase II

Application Details

Funding Opportunity: 1001- Motorized & Diverse Projects - Recreational Trails Program 2022 Grants
Funding Opportunity Due Date: Nov 2, 2021 12:00 AM
Program Area: Recreational Trails Program
Status: Under Review
Stage: Final Application

Initial Submit Date: Nov 1, 2021 10:18 AM
Initially Submitted By: Heidi Anderson
Last Submit Date:
Last Submitted By:

Contact Information

Primary Contact Information

Active User*: Yes
Type: External User
Name: Salutation Heidi Middle Name Anderson
First Name Last Name
Title: Executive Director
Email*: heidi@tmparksfoundation.org
Address*: 50 Cowan Dr.

Reno Nevada 89509
City State/Province Postal Code/Zip
Phone*: (775) 453-0278 Ext.
Phone
##-####

Fax: ### ##-####

Comments:

Organization Information

Status*: Approved
Name*: Truckee Meadows Parks Foundation`
Organization Type*: Non-Profit Organization
Tax Id: 45-4837735
Organization Website:
Address*: 50 Cowan Dr.

Phone*: Reno Nevada 89509-
City State/Province Postal Code/Zip
775-453-0278 Ext.
##-####
Fax: ### ##-####

Benefactor:

Vendor ID:

Comments:

RTP Pre-Application - MOTORIZED & DIVERSE

Project Description

Classification*: Organization
Please choose one.

Organization Classification: Non-Profit
Please choose one.

**Grant Manager/
Primary Point-of-Contact
(if grant is awarded)*:** Heidi Anderson
First Name Last Name

Title*: Executive Director
Email Address*: heidi@tmparksfoundation.org
Telephone*: 775-410-1702
Address*: 50 Cowan Drive
Address Line 1
N/A
Address Line 2
Reno Nevada 89509-
City State Zip Code

Land Owner*: City of Reno
Classification of Land Control*: Public Land
Select all that apply.

Project Costs
Please do not submit match not directly related to the project.

Grant Request*: \$150,000.00
Match Amount*: \$37,500.00
(20% of total amount for diverse& education projects; 5% for moto)
Total Project Amount: \$187,500.00
Match Sources*: Federal,Private

Please Describe Source(s)*:

Truckee Meadows Parks Foundation has a secure ongoing multi-year partnership with the Corporation for National and Community Service. This partnership funds AmeriCorps Technicians responsible for implementing trail improvement and construction.

Project Category(s)*: Non-motorized for single use
Select all that apply.

Trail Use*: Interpretation/maps/brochures, Pedestrian (urban/path)
Select all that apply.

If Other, Please List:

Project Type*: Construction of new trails, Maintenance or restoration of existing trails, Purchase or lease of trail construction equipment
Select all that apply.

If Other, Please List:

Scope of Work
Describe exactly what work will be completed, include miles of trail or other measurable goals. Please be specific to the actual project being built.

Scope of Work*:

The goal of the Rosewood Nature Study Area project is to repurpose the former Rosewood Lakes Golf Course into a high-quality wetland habitat and nature study area. Over the course of the grant period, Truckee Meadows Parks Foundation will improve and/or construct a minimum of 2 miles of publicly accessible trail at the nature study area. This will include rehabilitating existing trails, resurfacing existing trails with an aggregate surface, marking new trails and installing interpretive signage.

Project Location

Congressional District(s)*:

District 2
Select all that apply.

County*:

Washoe

Municipality/Town/City*:

Reno

Environmental Compliance

See page 10 of the RTP Handbook for more information.

Does not apply to Planning or Education projects with no ground disturbing activities.

Is a Federal agency involved in this project as an applicant, partner, or landowner?

Federal Agency*:

No

If yes, environmental clearances have likely been completed for your project area.

Please indicate which NEPA document was produced.

Please attach the document to this application.

NEPA Document Produced:

NEPA Document:

Historic Resource Compliance

Please provide the following information:

Describe the extent of ground disturbance for this project. Specifically, describe the length, width, and depth of the most significant instances of excavation/digging.

Ground Disturbance:

Ground disturbance for this project will be minimal. The majority of trail improvement will be conducted on former golf cart trails and bridges that already exist throughout the wetland property. These trails will not require additional ground disturbance. Ground disturbance will take place in areas where former trails have eroded away. Excavation will be approximately 72 in. wide and 5 in. in depth. Signage and trail markers will be installed with augurs penetrating approximately two feet.

Describe both current and past uses of the project area.

Project Area Use:

In the past, the project area was used as a City of Reno public golf course, opened in 1991 and was decommissioned in 2015 for the construction of Veterans Parkway. The project site was vacant from 2015 to 2018, left with no suitable environmental plan, which led to the proliferation of invasive weeds and the deterioration of infrastructure and wildlife habitat. The Parks Foundation gained permission from the City of Reno in 2018 to restore the property and reopened to the public in June 2021.

Describe any known cultural resources in the project area.

This may include historic buildings, archaeology sites, and any other objects estimated to be over 50 years old.

Cultural Resources:

[Redacted text]

Maps

Named Attachment	Required	Description	File Name	Type	Size	Upload Date
General location map (showing project area within the state and/or county)		Rosewood Location Map	Rosewood Location Map.pdf	pdf	2 MB	10/22/2021 10:16 AM
Topographic map with project boundary and map name (7.5 minute series quadrangle, 1:24,000 scale)		Topographic Map of Rosewood Nature Study Area	Topographic map.png	png	3 MB	10/22/2021 10:16 AM
Detail map indicating specific project elements (e.g., structures, trail alignment)		Phase 2 of Rosewood Nature Study Area	Rosewood Phase 2 .png	png	1 MB	10/22/2021 10:16 AM

Photos

Description	File Name	Type	Size	Upload Date
Rosewood Nature Study Area.	Rosewood Overview 1.png	png	3 MB	10/22/2021 10:16 AM
Rosewood Nature Study Area opening day - People on the trail.	RNSA Opening Day-23.jpg	jpg	1 MB	10/22/2021 10:16 AM

Shape Files

Description	File Name	Type	Size	Upload Date
Rosewood Shape Files	6800Pembroke 1.zip	zip	5 KB	10/22/2021 10:16 AM

Authorization

Authorized Individual*: Heidi Anderson 08/20/2021
First Name Last Name Date

Title*: Executive Director

Agency/Organization*: Truckee Meadows Parks Foundation

RTP Application - MOTORIZED & DIVERSE PROJECTS/PLANNING PROJECTS

Project Description

Standards/Guidelines Applied to Project*: USFS Standard Specifications for Construction & Maintenance of Trails

If Other, Please List:

List all permits required to complete project.

Permits:

Does the project include a paved bicycle path?

Bicycle Path*: No

Plan Title:

Has the applicant received funding from the Recreational Trails Program in the past?

Past Funding*: Yes

Number of Projects Funded: 1

Amount of Funding Received: \$100,000.00

Number of Projects Completed: 0

Project Narrative

Project Need

Describe how this project fits with current community development plans.

Current Plans*:

The Rosewood Nature Study Area is in line with the City of Reno Master Plan for conservation, which states that "Wetlands and streams are a vital natural resource and their protection is a paramount component of the City's environmental policies" (pg. 8). The addition and rehabilitation of trails within the Nature Study Area will allow people to experience the unique habitats and vegetative communities found on the property. The safe, connected trail system will effectively increase access to public lands, and increase opportunities for recreation, accessibility, and education for community members in the Truckee Meadows as well as area visitors.

Describe the project's ability to enhance recreation options for an underserved area or population. "Underserved" is defined as an area or population with inadequate services, facilities, and/or a lack of access to recreation opportunities.

Underserved Area or Population*:

The Rosewood Nature Study Area is in the unique position of being located on the border of two cities, Reno and Sparks, thereby enhancing recreation options for the 470,000 community members in the area. A six-lane parkway with a paved, multi-use path runs directly through the property, making this area extremely accessible to the public. The project site is located in an area of Reno with a diverse demographic makeup. The two primary neighborhoods surrounding the nature study area are Rosewood Lakes to the west, and Hidden Valley to the east. The area is served by three elementary schools, which have significant Hispanic populations (36%, 46% and 50%) and each has more than 50% of students on a free/reduced price lunch program. Approximately 65% of the housing units in the area are renter-occupied. TMPF plans on allowing school programming and field trips free of charge to schools with more than 50% of students on free/reduced price lunch.

The trail system at the nature study area will allow community members to experience nature amidst an increasingly urbanized surrounding area. TMPF programs are geared towards the needs of our community with an emphasis on creating opportunities for underserved populations. The vast majority of programs offered to the public are free of charge. The trail system at the Nature Study Area will forward this mission through accessibility, abundant access, and no fee for admission.

Project Quality

Describe project schedule(s) and contingency plans.

Schedule and Plans*:

AmeriCorps wetland restoration technicians have begun trail work on the most accessible interpretive loop on the property. This includes the addition of wayfinding signs, trail markers, safety fencing, etc. These safety enhancements have allowed the community to enjoy the trail system prior to total completion of the project. In the summer of 2022, technicians will begin debris removal and safety enhancements of the larger wetland loop. Debris and sediment removal of the larger trail loop will be done prior to resurfacing to assess areas of highest need. Once debris and sediment has been cleared, technicians will begin adding aggregate and stabilizing sections of trail.

Truckee Meadows Parks Foundation will evaluate techniques for rehabilitating trails and maintenance. If these original methods for networking trails are not successful, techniques will be reevaluated and adjusted as necessary. TMPF does not foresee any disruptions in project scope, schedule, methods, or funding that would cause the project to cease. Any unforeseen issues will be brought to the advisory board for review and adjustments will be made as necessary.

TMPF has policies and procedures in place to mitigate exposure and to adjust scheduling as necessary in response to the COVID 19 pandemic. TMPF was able to safely and successfully continue work on the proposed nature study area throughout the year and will continue to operate with the same caution moving forward.

Describe the confirmed partnerships for this project.

Partnerships*:

Truckee Meadows Parks Foundation works diligently to develop partnerships with stakeholders, agencies, and other organizations as well as enhance community engagement. The Rosewood Nature Study Area project involves multiple stakeholders including REI, Pyramid Lake Paiute Tribe Wetland Restoration, The Nature Conservancy, Truckee River Flood Management Authority, University of Nevada, Reno,

Walker Basin Conservancy, Nevada Bugs and Butterflies, University of Nevada Cooperative Extension, and Nevada Fish and Wildlife. Specifically for the trail component of the project, The Parks Foundation has partnerships with the City of Reno, National Parks Service, The Washoe Tribe of Nevada and California, Audubon Society, and Wood Rogers.

Partners collaborate with The Parks Foundation on trail access and design, trail locations, possible user conflicts, and wildlife sensitivities that may arise from increased access due to trail networks.

Describe the nature and extent of public engagement with this project and what is being done to mitigate any concerns conveyed by the public.

Public Engagement*:

Truckee Meadows Parks Foundation (TMPF) has made public engagement regarding the restoration of the project site a top priority. In collaboration with the National Parks Service Rivers, Trails, and Conservation Assistance Program (NPS), The Parks Foundation held two public forums, a design workshop, and developed a survey during project planning phases. Public comment cards have been available at Parks Foundation events, in the Visitor Center, and on the project website.

The first public forum, which had 89 people in attendance, allowed community members to visit the project site and give feedback on how they saw themselves using the space and what type of recreation they would likely participate in. Responses from the first forum were then consolidated and a design workshop was held where subject matter experts were invited to explore the feasibility of the community's requests. A final public forum, with 49 people attending, was held to deliver options from the design workshop back to the public and allow another chance for community feedback. TMPF also sent the survey out at this time for those community members who weren't able to attend the forum in person. The survey received 294 responses.

TMPF and NPS took feedback from the forums and survey to build a plan for the proposed nature study area. Based on feedback from the community, trail use will be limited to pedestrians. Dogs will not be permitted within the trail network. Public comments also helped plan trail connectivity and access points throughout the property.

The Parks Foundation also hosts community and volunteer events at the nature study area to engage the public in the ongoing projects. Hosting these events allows members of the public to offer feedback about the property or project as well as be an active participant in the restoration of the habitat.

Describe the implementation of best practices in each phase of the project (e.g., planning, budgeting, construction, etc.).

Project Phases*:

Truckee Meadows Parks Foundation (TMPF) is utilizing expertise from their advisory board, a range of partners, and consultants to ensure best practices are being upheld during all phases of the project. TMPF plans to implement trail improvements and construction in stages that are most beneficial to both the organization and the community. Closer, more accessible trails will be prioritized so the community can utilize the paths earlier than at full project completion.

TMPF will utilize best practices in regards to trail construction and surface type during the construction and rehabilitation phases. The Wetland Restoration Program Director and Wetland Restoration Technicians have taken workshops in construction of accessible, aggregate trails through CHINOOK Associates.

Additionally, internal controls are implemented to maintain fiscal compliance within the organization. TMPF has developed a revenue funding strategy and proven its ability to secure and manage federal, state, and community grant funds for multiple years. TMPF also works diligently to develop partnerships with stakeholders, agencies, and other organizations as well as enhance community support.

How does the project promote sustainability goals and principles (e.g., social, environmental, economic) in the design criteria?

Sustainability*:

It is a top priority for Truckee Meadows Parks Foundation (TMPF) to have the trails within the nature study area work with the natural environment, not against it. The Parks Foundation is aware the area is prone to floods and will design and construct trails with those natural processes in mind. Trails will navigate visitors through a variety of habitats with interpretive and educational signs in the hopes of providing information to the public about the importance of environmental conservation, especially of rare wetland habitats.

The trails within the nature study area will be free for the community and visitors. The project site is in a highly accessible area on the border of Reno and Sparks and along a major road with vehicle, pedestrian, and bicycle access. Outdoor recreation has always been a hugely important part of communities, but has recently become even more vital due to the impacts of the COVID-19 pandemic. This space will be an important addition to the area's trails and open spaces.

TMPF will continue to apply for local, state, and federal funding for future phases and long-term sustainability of the trail and nature study area. Future paid events at the proposed nature study area will likely also be used for sustained funding.

Alignment with Nevada's Recreation Goals

How will the project contribute to the maintenance and/or rehabilitation of existing outdoor infrastructure?

Existing Outdoor Infrastructure*:

The overarching goal of the nature study area is to repurpose the former Rosewood lakes Golf Course into a nature study area and public park with an educational trail system and diverse habitats. Truckee Meadows Parks Foundation plans to accomplish this using the infrastructure that already exists on the property. Former golf cart paths are being rehabilitated to be used as the base for the trail system throughout the property. Using existing paths limits the soil disturbance and cost of establishing an entirely new system. The former clubhouse is currently being used as office space and operates as a visitor's center for guests of the park.

The former putting green near the main building has been repurposed into a demonstration pollinator garden in partnership with Nevada Bugs and Butterflies, University of Nevada Cooperative Extension, and Nevada Fish and Wildlife. This pollinator garden will be used as a staging area for school groups as well as an educational tool to discuss the importance of pollinators with the public.

Truckee Meadows Parks Foundation will continue to operate on the property, allowing for quick and consistent maintenance of trails and trail amenities. Having a consistent presence on the site will also deter vandalism of bridges and other infrastructure.

How will safety be implemented in the design, maintenance, and management of the project?

Safety*:

Truckee Meadows Parks Foundation (TMPF) will engage consultants to provide safety protocol and best practices during trail rehabilitation that will also ensure there is minimal habitat degradation from the project. Landscape architects and trail and recreation experts will be consulted throughout the planning and development stages. Truckee Meadows Parks Foundation staff and AmeriCorps wetland restoration technicians will provide a constant presence on-site to assure the proper management and maintenance of facilities continues into the future.

Restoration technicians have attended trainings focusing on both safety and on best management practices on trail development and construction. Safety briefings are conducted before any projects taking place on the property to bring awareness to possible hazards and how to mitigate those risks.

How does the project increase connectivity between trails, facilities, or other locations?

Connectivity*:

The Rosewood Nature Study Area is adjacent to Veterans Parkway, a large road that boasts an adjacent multi-use path running from Greg Street to Damonte Ranch. The Nature Study Area creates trail connectivity to this path and allows users to stop in and utilize the trail system or amenities within the project area.

Additionally, this property sits between Mira Loma Park and Hidden Valley Regional Park. Both parks are accessible from the nature study area via Pembroke Drive and Mira Loma Drive. Future phases of the project may include a trail that connects Mira Loma Park to the proposed nature study area along Boynton Slough. This trail would allow visitors to pass between Mira Loma and the nature study area without having to be on a road.

How does the project engage youth?

Youth Engagement*:

The nature study area will be free and open to the public and create new outdoor educational and recreational opportunities for community youth. Truckee Meadows Parks Foundation (TMPF) will provide innovative park and trail based programs, install interpretive signage along pathways, and offer wildlife viewing opportunities that will increase awareness of the region's biodiversity and the importance of wetlands for families, community members, and school groups. Service learning projects will also be available at the Nature Study Area. This project not only restores a unique wetland in Truckee Meadows, but

also serve to improve the quality of science education and stewardship opportunities in the community. In addition to TMPF, other organizations, agencies, and schools will be able to access the property for their programs.

Special emphasis will be placed on economically underserved youth by providing engaging and meaningful outdoor experiences. TMPF has demonstrated its ability to work with this target audience through the Students Stewards Program (SSP), which engages children in hands-on community science projects. In 2018, SSP served over 3,400 students, 2,606 of those students attended schools with majority free or reduced-price lunch. During the restoration process, volunteer events on-site will target local youth organizations. Active engagement in a project of this size and importance not only gets local youth outdoors, but also provides the opportunity to learn about wetlands, Truckee Meadows biodiversity, and increases a sense of stewardship. Truckee Meadows Parks Foundation also utilizes trails on the property to lead interpretive walks and encourages family participation. The Nature Study Area is an ideal spot for outdoor learning at some of the last remaining wetlands in the Truckee Meadows.

How will the project contribute (or otherwise complement) the development, maintenance, and/or management of new outdoor recreation facilities?

New Outdoor Recreation Facilities*:

Currently, no high-quality nature study area exists in the Truckee Meadows capable of serving the 470,000 residents in the greater Reno-Sparks metropolitan community. Truckee Meadows Parks Foundation will continue to partner with local organizations and agencies to ensure the property will meet the needs of the entire community as well as improve essential habitat for native wildlife.

The nature study area project as a whole will be a new and unique outdoor space within the Truckee Meadows with ample education and recreation trails and facilities. Approximately 2.3 miles of trail have been opened to the public so far and Truckee Meadows Parks Foundation hopes to open the remaining cart path trails by the end of 2022. The property opened to the public in June, 2021 and its development has created trails that don't require out of town travel to utilize. There is also ample parking, including handicap spots, on site which will allow for easy visitation. Truckee Meadows Parks Foundation also plans to install bike racks for visitors who wish to commute to the area via bicycle.

How does the project contribute to the economic vitality of its community?

Economic Vitality*:

The former Rosewood Lakes Golf Course has become overrun with invasive plant species in the 5 years since the property was decommissioned. The homeowners adjacent to the property have seen an increase in fire insurance costs due to the amount of invasive plants bordering their homes. Through this trail and habitat restoration project, Truckee Meadows Parks Foundation will remove invasive plant species and revegetate with native species, which will reduce fire risk through site management and maintaining a defensible space. Homes adjacent to open spaces generally see an increase in property values by approximately 8-20%.

Additionally, the entire Reno-Sparks community will benefit from the addition of a 219-acre nature study area through an increase in free and unique recreation and education opportunities. Truckee Meadows Parks Foundation will host educational programs and stewardship events along the trails to engage and educate the community on-site. Truckee Meadows Parks Foundation aims to inspire all community members to protect and improve trails and open spaces as a result of taking a proactive volunteer role.

Open spaces such as the nature study area have become even more vital to communities since COVID 19. The value of these areas has been demonstrated during these times and it is incredibly important to community vitality to conserve these spaces for the people.

How will the project contribute to the conservation and/or rehabilitation of water and habitat?

Water and Habitat*:

The trail system within the Nature Study Area is part of a larger project to rehabilitate a unique wetland capable of sustaining rich biodiversity. The property is located along the most important tributary of the Truckee River, Steamboat Creek. Additionally, there are approximately 50 acres of protected wetland habitat on the 219-acre property. Restoration and preservation of this wetland will have a direct, positive impact on the local watershed. The nature study area also has the capacity to store huge amounts of water during flooding events that can help recharge groundwater and mitigate some flooding further downstream.

Interpretive signage placed along the trails and inside the nature center will also inform the community and visitors of the importance of these rare habitat types. Trail users will be able to experience multiple habitat types within the property that serve as homes or forage for native Nevada wildlife. Guided walks along the paths will connect habitat and water quality to the diversity of wildlife present within the property. It is the goal of Truckee Meadows Parks Foundation to build connections between the community and their open spaces to increase conservation and stewardship.

Applicant History

Summarize your organization's grant management record. If your organization is new to grants, please summarize the organization's project management record.

Grant Management Record*:

The Truckee Meadows Parks Foundation (TMPF) team has authored, implemented, and administered significant grant funding from private, corporate, state, and federal sources since its inception in 2013. TMPF receives and successfully manages over \$850,000 a year in federal grant funding alone. Heidi Anderson, Executive Director, has 9 years of experience authoring, implementing, and administering grant funds. Elena Larsen, Wetland Restoration Program Director, has overseen the implementation and management of the Wetland Restoration Program since its inception in 2018. Ms. Larsen has overseen multiple federal, state, and local grants totaling more than \$500,000.

Describe your organization's capacity to maintain facilities for the next 25 years.

Maintain Program*:

Truckee Meadows Parks Foundation (TMPF) plans to maintain the facilities of the project in perpetuity. This will be accomplished through sustaining partnerships with the City of Reno, local agencies and nonprofits, along with groups with similar missions. The Parks Foundation has secured a 30 year lease with two ten year extensions for the nature study area property. The Parks Foundation has also developed a revenue funding strategy and proven its ability to secure and manage federal, local, and community grant funds for multiple years.

TMPF has a repertoire of diverse funding and experience, along with a passionate commitment to the successful long-term stewardship of the trails and habitat at the nature study area. Current and future fundraising will include a reserve for unexpected trail maintenance and upkeep. TMPF has a secure partnership with AmeriCorps and receives grant funding for approximately 16 wetland technicians each year. Wetland Restoration technicians encompass the vast majority of on the ground efforts ranging from trail construction and maintenance to trash removal and everything in between.

Authorization

Authorized Individual*:

Heidi Anderson 11/01/2021
First Name Last Name Date

Agency/Organization*:

Truckee Meadows Parks Foundation

Title*:

Executive Director

Supporting Documentation

Supporting Documentation

Named Attachment	Required	Description	File Name	Type	Size	Upload Date
General location map (showing project area within the state or county)		Outline of project area within the Reno - Sparks area.	Rosewood location map.pdf	pdf	1 MB	11/01/2021 09:28 AM
Topographic map with project boundary and map name (7.5 minute series quadrangle, 1:24,000 scale)		Outline of project site with topographic features.	RTP_TopoMap.pdf	pdf	2 MB	11/01/2021 09:30 AM
Detail map indicating specific project elements (e.g., structures, trail alignment)		Site plan which includes trail layouts, infrastructure, and other project features.	Illustrative site plan_photo.jpg	jpg	476 KB	11/01/2021 09:31 AM
At least two (2) overviews of the project area from different angles and distances		Two photos of the project site. One photo is taken on the East side of the property and the other on the West.	RTP_Photos.pdf	pdf	10 MB	11/01/2021 09:52 AM
Photos of known cultural resources, if present						
Letter or statement certifying that the appropriate official has reviewed this project and approved of the property						
Documentation certifying that the appropriate official has reviewed this project and meets their approval						
USACE 404 and/or other applicable permits						
Erosion and sedimentation control plan for stream crossings or general construction activities						
Copy of any building permits that may be required by the local township or statement permit not needed						
Sewage disposal permit						
Transmittal letter		Transmittal letter for Recreation and Trails Program application.	2022_RTP_Transmittal Letter.pdf	pdf	637 KB	11/01/2021 09:34 AM
Letter of Support		Letter of support from City of Reno [REDACTED] [REDACTED]	[REDACTED].pdf	pdf	7 MB	11/01/2021 09:59 AM

Additional Documentation

Description	File Name	Type	Size	Upload Date
No files attached.				

Budget

Percentages

Grant Request

Federal Grant Percentage: 80.0%

Match

Federal Match Percentage: 14.93%

Non-Federal Match Percentage: 5.07%

TOTAL MATCH PERCENTAGE: 20.0%

Design and Engineering Costs

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Trail Plan Consultant	1.00	Plan	\$10,000.00	\$10,000.00	\$10,000.00	75.65	\$0.00	0.00	\$3,219.00	24.35	
				\$10,000.00	\$10,000.00		\$0.00		\$3,219.00		

Planning Costs for Match

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
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No Data for Table

Direct Labor (Salaries or Actual)

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Restoration Technicians	13.00	Person	\$3,288.00	\$42,744.00	\$42,744.00	60.42	\$28,000.00	39.58	\$0.00	0.00	AmeriCorps
Restoration Program Director	1.00	Person	\$17,996.00	\$17,996.00	\$17,996.00	100.00	\$0.00	0.00	\$0.00	0.00	
				\$60,740.00	\$60,740.00		\$28,000.00		\$0.00		

Labor (Volunteer or Donated)

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Volunteer Trail Building Events	150.00	Hours	\$28.54	\$4,281.00	\$0.00	0.00	\$0.00	0.00	\$4,281.00	100.00	Volunteer Labor
			\$28.54	\$4,281.00	\$0.00		\$0.00		\$4,281.00		

Equipment Purchase/Rent/Lease

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Tractor Rental	2.00	Weeks	\$1,500.00	\$3,000.00	\$3,000.00	100.00	\$0.00	0.00	\$0.00	0.00	
			\$1,500.00	\$3,000.00	\$3,000.00		\$0.00		\$0.00		

Contracts

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
No Data for Table											

Materials

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Trail Grids	300.00	Grid	\$100.00	\$30,000.00	\$30,000.00	100.00	\$0.00	0.00	\$0.00	0.00	
Decomposed Granite	800.00	Yards	\$40.00	\$32,000.00	\$32,000.00	100.00	\$0.00	0.00	\$0.00	0.00	
Trails Plants	200.00	Plant	\$10.00	\$2,000.00	\$0.00	0.00	\$0.00	0.00	\$2,000.00	100.00	
			\$150.00	\$64,000.00	\$62,000.00		\$0.00		\$2,000.00		

Fuel, Vehicle Maintenance & Travel

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Fuel	1000.00	Miles	\$0.56	\$560.00	\$560.00	100.00	\$0.00	0.00	\$0.00	0.00	
Equipment Maintenance	2.00	Services	\$600.00	\$1,200.00	\$1,200.00	100.00	\$0.00	0.00	\$0.00	0.00	
			\$600.56	\$1,760.00	\$1,760.00		\$0.00		\$0.00		

Other Expenses

Description	# of Units	Unit Type	Unit Cost	Total Unit Cost	Federal Grant	Federal Grant Percentage	Federal Match	Federal Match Percentage	Non-Federal Match	Non-Federal Match Percentage	Match Source
Administrative Overhead	1.00		\$12,500.00	\$12,500.00	\$12,500.00	100.00	\$0.00	0.00	\$0.00	0.00	
			\$12,500.00	\$12,500.00	\$12,500.00		\$0.00		\$0.00		

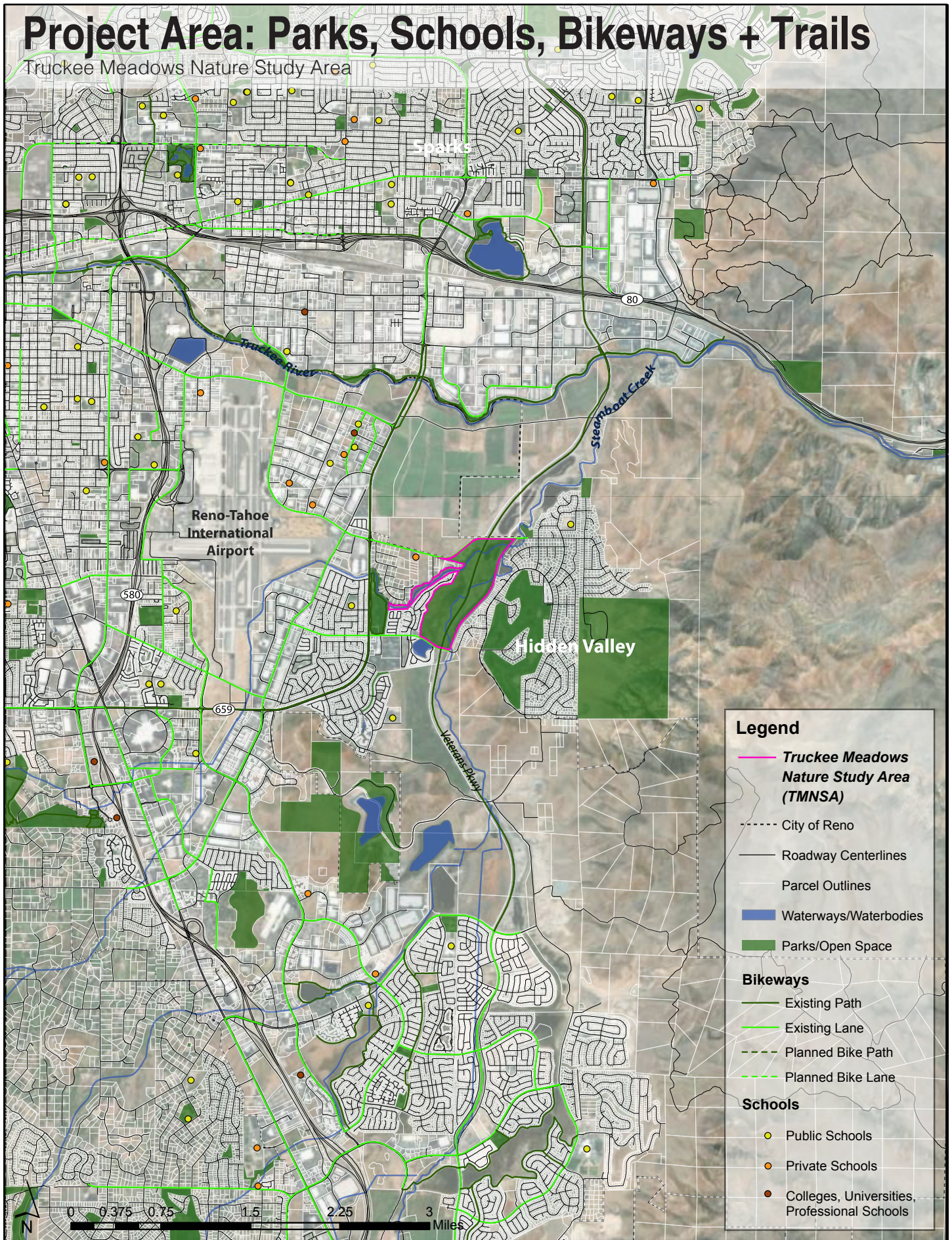
Totals

Total Federal Grant Amount: \$150,000.00

Total Federal Match Amount:	\$28,000.00
Total Non-Federal Amount:	\$9,500.00
Total Amount:	\$187,500.00

Project Area: Parks, Schools, Bikeways + Trails

Truckee Meadows Nature Study Area



Legend

- Truckee Meadows Nature Study Area (TMNSA)
- City of Reno
- Roadway Centerlines
- Parcel Outlines
- Waterways/Waterbodies
- Parks/Open Space

Bikeways

- Existing Path
- Existing Lane
- Planned Bike Path
- Planned Bike Lane

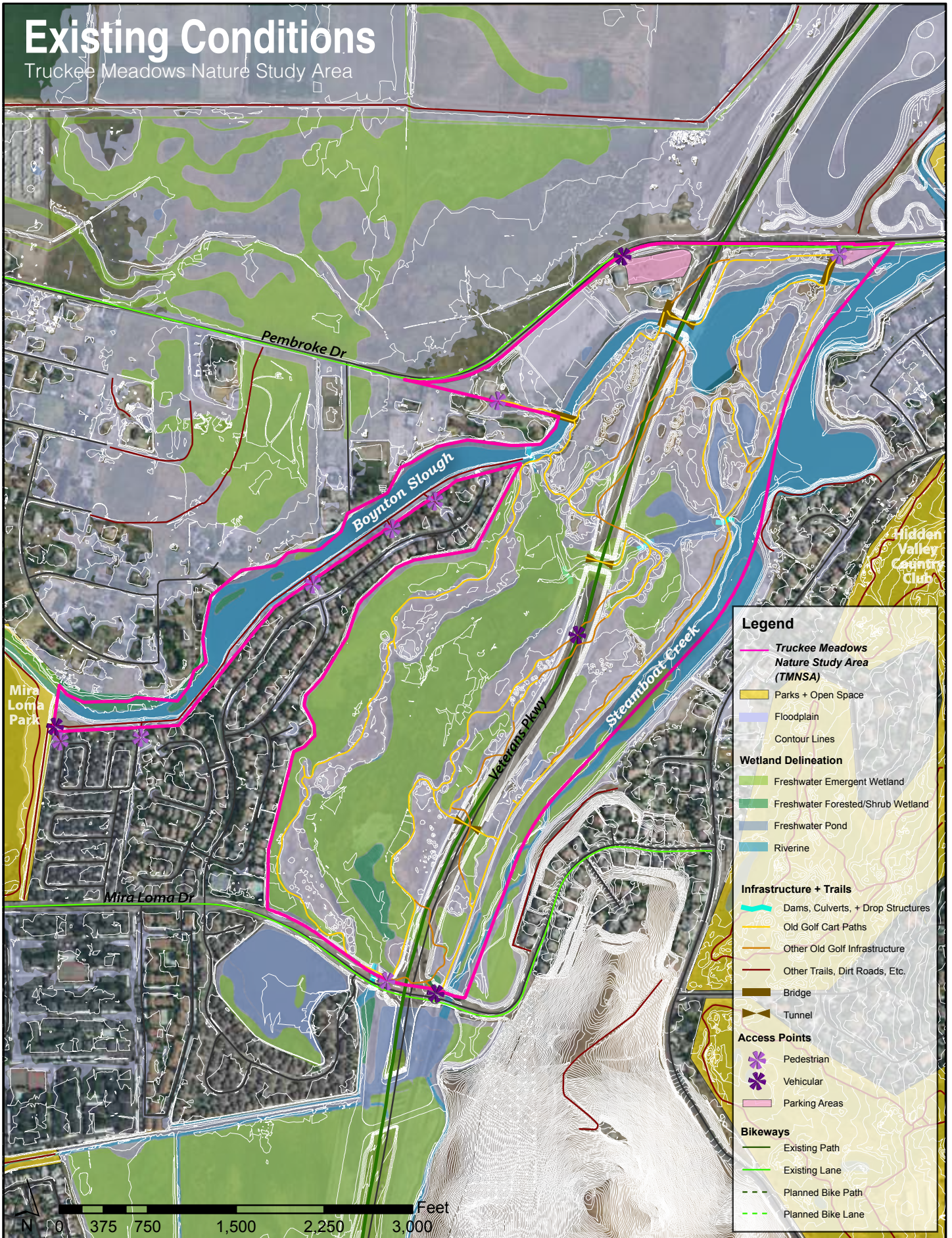
Schools

- Public Schools
- Private Schools
- Colleges, Universities, Professional Schools



Existing Conditions

Truckee Meadows Nature Study Area



Legend

- Truckee Meadows Nature Study Area (TMNSA)
- Parks + Open Space
- Floodplain
- Contour Lines

Wetland Delineation

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

Infrastructure + Trails

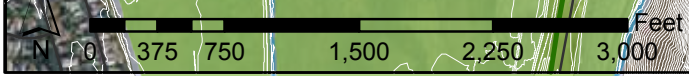
- Dams, Culverts, + Drop Structures
- Old Golf Cart Paths
- Other Old Golf Infrastructure
- Other Trails, Dirt Roads, Etc.
- Bridge
- Tunnel

Access Points

- Pedestrian
- Vehicular
- Parking Areas

Bikeways

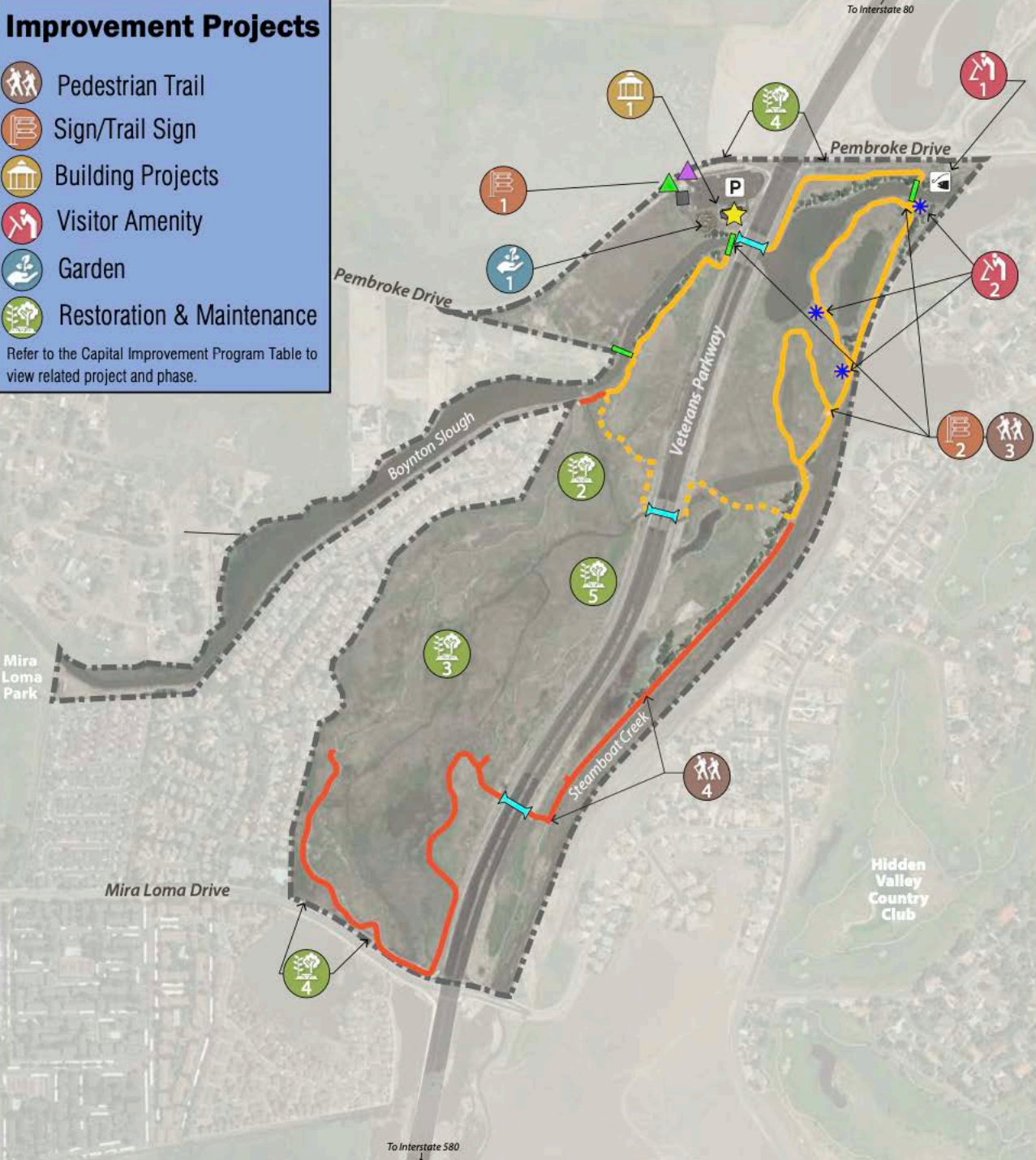
- Existing Path
- Existing Lane
- Planned Bike Path
- Planned Bike Lane



Improvement Projects

- Pedestrian Trail
- Sign/Trail Sign
- Building Projects
- Visitor Amenity
- Garden
- Restoration & Maintenance

Refer to the Capital Improvement Program Table to view related project and phase.

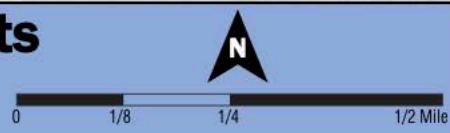


Short-Term Improvement Projects

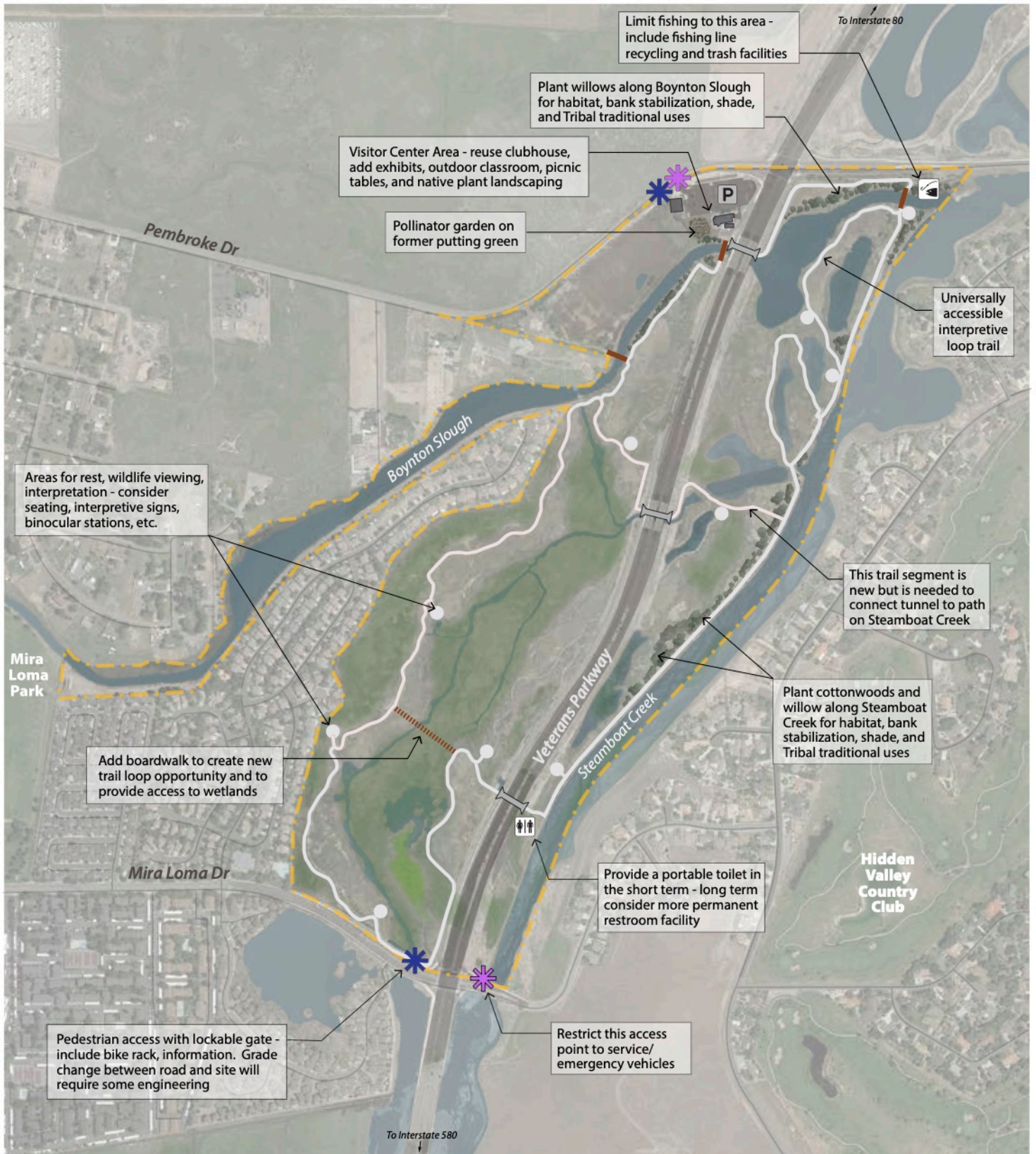
Truckee Meadows Nature Study Area

Legend

- Truckee Meadows Nature Study Area
- Existing Cart Path Rehab. to Pavement
- Existing Trail DG
- Existing Cart Path Rehab. to Aggregate
- Pedestrian Bridge
- Pedestrian Tunnel
- Wildlife Viewing Points/Interpretive Signs
- Pedestrian Site Access
- Vehicular Site Access
- Riparian Revegetation
- Fishing Area
- Parking Area
- Visitors Center



WOOD RODGERS
 BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
 1361 Corporate Boulevard Reno, NV 89502
 Tel: 775.823.4006 Fax: 775.823.4006



Prepared for Truckee Meadows Parks Foundation 4.13.2020

Legend

- Truckee Meadows Nature Study Area
- Roadway Centerlines

Infrastructure

- Proposed Trail (Pedestrian)
- Proposed boardwalk
- Bridge
- Tunnel

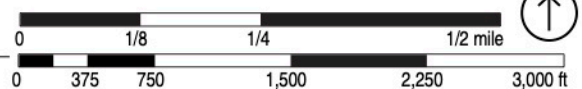
- Rest stops with interpretive signs
- ♿ Restroom
- 🎣 Fishing area

Access Points

- ✳ Pedestrian Access
- ✳ Vehicular Access
- P Parking Areas

Concept Plan

Truckee Meadows Nature Study Area





North
↑











TRUCKEE MEADOWS PARKS FOUNDATION

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Truckee Meadows Parks Foundation

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Reno, NV 89509
www.tmparksfoundation.org
(775) 410-1702
EIN #: 45-4837735

State of Nevada Recreational Trails Program
901 S. Stewart St., Suite 5005
Carson City, Nevada 89701

November 1st, 2021

To whom it may concern,

On behalf of the Board of Directors of Truckee Meadows Parks Foundation, thank you for considering this \$150,000 grant proposal to support our Nature Study Area Phase II project. Truckee Meadows Parks Foundation believes this program's goals strongly align with the Recreational Trails Program's interests.

Truckee Meadows Parks Foundation will rehabilitate approximately two miles of former golf cart trail. New and rehabilitated trails will not facilitate motorized use. The Parks Foundation plans to maintain all trails and facilities in perpetuity as this project will lead to the development of a nature study area managed by The Parks Foundation that increases recreational and educational opportunities for the Reno-Spark metropolitan community. The Parks Foundation has secured a 30 year lease with two ten year extensions for the nature study area property.

The 219-acre former Rosewood Lakes Golf Course trails will be free and open to the public. Truckee Meadows Parks Foundation will host volunteer trail events on-site to encourage trail stewardship among the community.

If you have any questions, please contact me by phone at (775) 453-0278 or by email at heidi@tmparksfoundation.org.

Sincerely,

Heidi Anderson
Executive Director



October 31, 2021

To: State of Nevada Recreation and Trail Program

Re: Letter of Commitment for Truckee Meadows Parks Foundation (TMPF) Rosewood Wetland Restoration
– Phase II

Please accept this letter of support for the proposed Rosewood Lakes Nature Study Area Phase II project. The goal is to expand trails and increase access to trails in the Rosewood Nature Study Area, a 219-acre, decommissioned municipal golf course in Reno, Nevada. This project has guidance from an impressive advisory board that is composed of professionals from a wide breadth of disciplines who will help ensure all technical and ecological considerations are taken into account. TMPF has created an engaged community of stakeholders who are willing to donate time and resources to help this project come to fruition.

The many trails within the Rosewood Nature Study Area have the capacity to become an invaluable community asset to the greater Reno-Sparks metropolitan area. Even in its early stages, the trails within the nature study area have been used to host educational programs designed to inform the public about native plants and animals as well as the history of the area. The high level of accessibility makes this property an ideal spot for a trail network. We look forward to continuing to work with the Parks Foundation to make this nature study area a unique and functional green space with a variety of trails that are accessible to many generations to come.

I am in full support of TMPF's funding proposal from the State of Nevada Recreation and Trails Program. The City is providing TMPF with office space in the form of a 4,900 square foot clubhouse and 5,200 square foot maintenance shed. The assessor has a taxable improvement value of \$606,708, of which a cap rate of 8% to 10% (standard market rate) would be applied to create an annual rent amount.

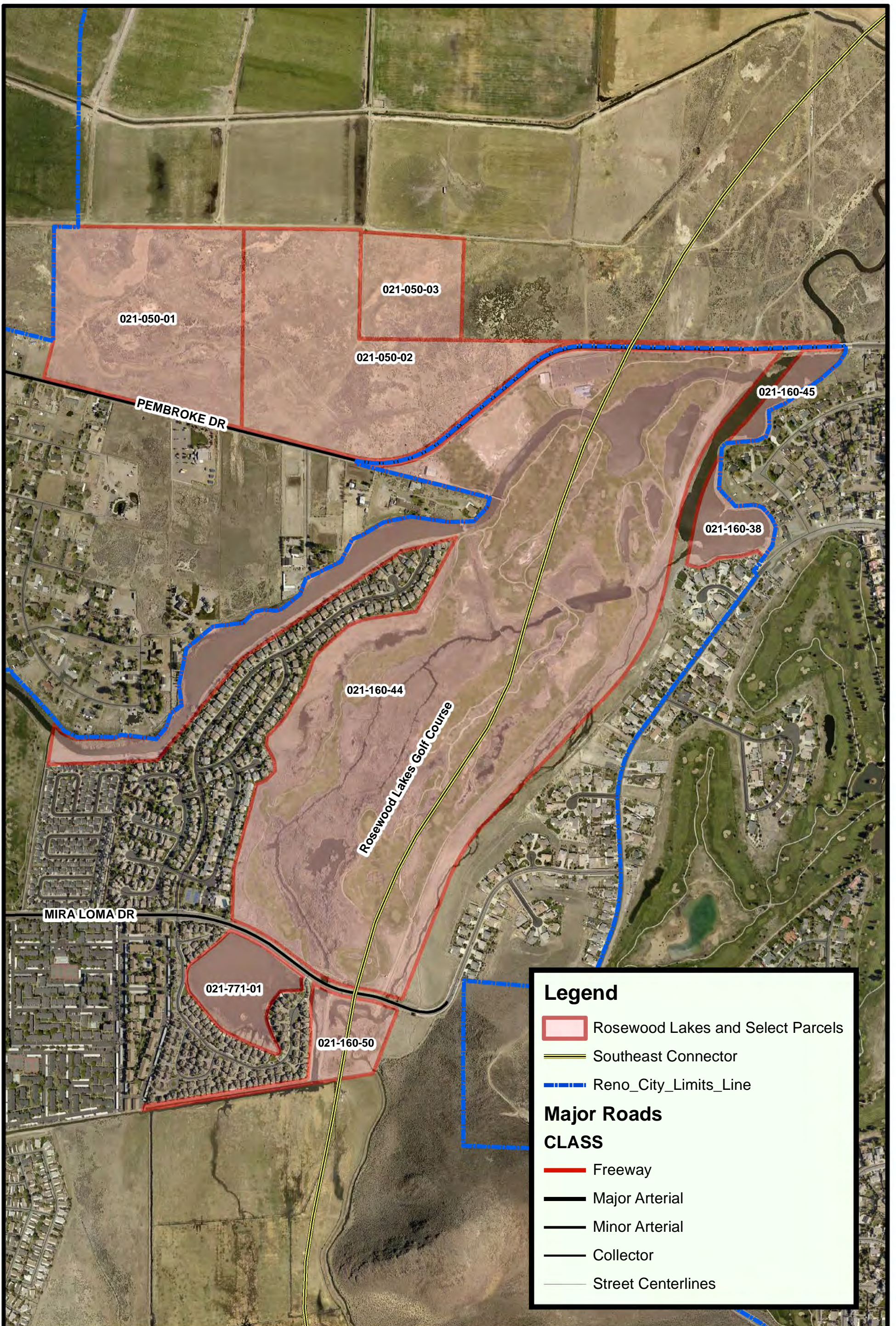
Sincerely,

A handwritten signature in black ink, appearing to read "Jaime Schroeder", with a long horizontal flourish extending to the right.

Jaime Schroeder, MBA, CPRP, AFO

Director

(775) 657-4653



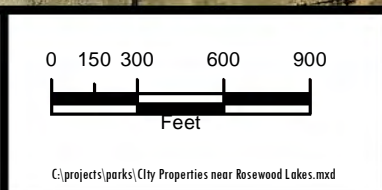
Legend

- Rosewood Lakes and Select Parcels
- Southeast Connector
- Reno_City_Limits_Line

Major Roads

CLASS

- Freeway
- Major Arterial
- Minor Arterial
- Collector
- Street Centerlines



ROSEWOOD LAKES GOLF COURSE AND SELECT PARCELS

Department of Information and Technology Division of Geographic Information Systems

Map date: Dec 1, 2016
CONTACT INFORMATION:
 Address: 1 E. 1st St (5th Floor)
 City Hall, Reno, NV 89501
 Email: gisadmin@reno.gov
 Website: <http://maps.cityofreno.net>

TRUCKEE MEADOWS NATURE STUDY AREA

Truckee Meadows Parks Foundation | December 10, 2020

Concept Plan



Acknowledgments

This planning document is the result of strong public and private partnerships working together on a common vision for the proposed Truckee Meadows Nature Study Area.

Grantors:

National Park Service - Rivers, Trails, and Conservation Assistance Program
Truckee River Fund at the Community Foundation of Western Nevada
National Audubon Society - George Whittell Nevada Environmental Fund
AmeriCorps State and National - Corporation for National and Community Service
REI

Partners:

City of Reno
Lahontan Audubon Society
Michael Baker International
Nevada Bugs and Butterflies
Nevada Department of Wildlife
REI
American Society of Landscape Architects
University of Nevada Cooperative Extension
University of Nevada, Reno
Walker Basin Conservancy
Washoe Storey Cooperative Weed Management Area

Thank you to all of the stakeholders, volunteers, and members of the public who participated in the public forums and workshops for this effort.





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Project Overview	5
Vision + Goals	7
Planning Process	8
Site Conditions, Opportunities + Challenges	11
Site Plan + Recommendations	21
Project Phasing	24





Project Overview + Background

The proposed 219-acre Truckee Meadows Nature Study Area (TMNSA), located on the east side of Reno between the Reno-Tahoe International Airport and the Virginia Range, is proposed for the site of the former Rosewood Lakes Golf Course, owned by the City of Reno. Following construction of the Southeast Connector road (now Veterans Parkway), which transects the site, the City determined that operation of the site as a golf course was no longer feasible. Today, the unique property is one of the last vestiges of wetland habitat that used to define the Truckee Meadows before European-American settlement in the 19th century.

The Truckee Meadows Parks Foundation (TMFP) has been working with the City, stakeholders, and the community to explore the future of this site. Through a participatory process, recommendations were generated that focused on public access for passive recreation, interpretation, and educational programs, largely using the existing infrastructure from the former golf course. The purpose of this document is to provide a brief overview of the site and project history, summarize public input on the concept of a Truckee Meadows Nature Study area for this site, and propose a conceptual-level site plan and general recommendations.

Project Site Description

PROJECT AREA CONTEXT

The broader Truckee Meadows area encompasses the bowl-shaped Truckee River valley bound to the west by the Sierra Nevada Range, and to the east by the Virginia Range and Pine Nut Mountains. The Truckee River originates in the Sierras, with tributaries, including Steamboat Creek which borders the TMNSA site, flowing northward to the main river corridor. Wetlands and meadows historically characterized the landscape of the Truckee River valley. The Truckee River terminates in Pyramid Lake, one of the largest natural lakes in Nevada. Pyramid Lake is a remnant of Lake Lahonton, a large ancient inland sea which covered most of the state. Today, wetlands cover less than one-percent of Nevada.

With the surge of white settlers beginning in the 1840s, and subsequent development of agriculture, mining, and settlements, the landscape was altered to meet the growing



The project is located around the confluence of Dry Creek/Boynton Slough and Steamboat Creek, a major tributary of the Truckee River (right). The area has been marked by alteration of the landscape and hydrological features, as shown in the historic aerial photo (left - Reno Sparks, Nov. 21, 1956 - University of Nevada, Reno - Nevada Bureau of Mines and Geology Collection).

demands for water. Over a century and half, diversions, dams, canals, and ditches were developed to support these uses, altering the watershed and the natural ecological dynamics of the Truckee Meadows. Today, the relatively small Truckee River basin contains every form of water use and every type of water user that exist in the western United States. As a closed hydrological basin, each drop of water in the Truckee River Basin, from its headwaters at Lake Tahoe to its terminus at Pyramid Lake is claimed and serves important human uses and ecological functions. As a result, even small changes in future conditions (e.g., increases in demand or changes in climate) are perceptible and potentially contentious (US Bureau of Reclamation 2016).

Currently, the area around the project site includes a range of land uses. The property is surrounded by residential neighborhoods to the west, east, and south that include multifamily and single-family housing, as well as some nearby rural properties. The two primary neighborhoods are Rosewood Lakes to the west, and Hidden Valley to the east. The area is served by three elementary schools, which have significant Hispanic populations (36%, 46% and 50%) and each has more than 50% of students on free/reduced price lunch program. Approximately 65% of the housing units in the area are renter-occupied. To the north of the site are parcels along Pembroke Dr. owned by the City of Reno that are being considered for a future privately-developed sports park. Directly east of this site, University of Nevada, Reno is selling a parcel that will be zoned for commercial/industrial use.

Planning Process

In 2018, TMPF established a Truckee Meadows Nature Study Area Advisory Board, which includes a variety of stakeholders and subject matter experts, to help guide planning for the future of the site. In late 2018, the National Park Service’s Rivers, Trails, and Conservation Assistance Program granted technical assistance to TMPF to provide additional planning and design support. TMPF also secured grant funding through the Americorps program to support natural resource stewardship activities on the site.



The proposed project was formally introduced to the public in September 2019 through a community forum at the site, which drew approximately 100 participants, largely residents of the adjacent Hidden Valley and Rosewood Lakes communities. During that forum, participants were asked to provide input on their vision for the site, concerns about the project and site’s future, and input on recommendations for access, site uses, amenities, and facilities (see word clouds below). In general, the concept of a nature study area for the site was well supported, and many suggestions were made regarding the types of amenities and passive recreation uses that would be consistent with the nature-oriented concept for the site. Concerns largely focused on broader floodplain



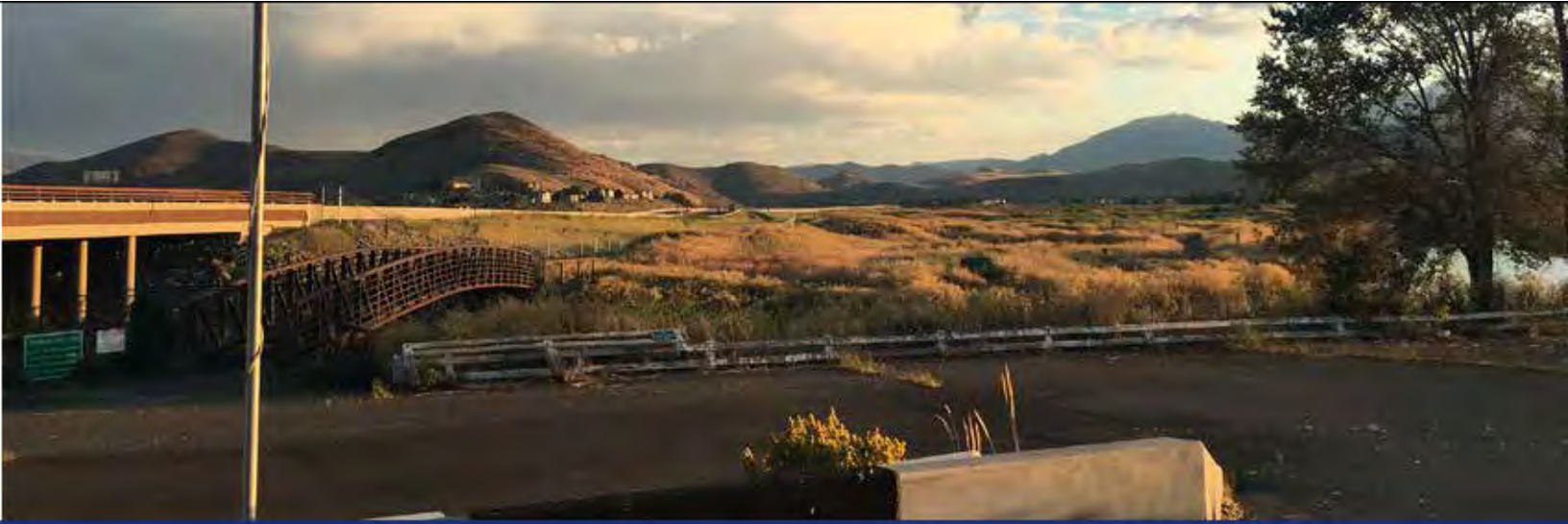
What concerns do you have about this site or project?



Access: How would you access the site, and where would you like to be able to access the site?

Workshop participants were asked a series of questions that were summarized using a word cloud tool, which graphically depicts the words that were most frequently mentioned. This information, as well as feedback on the project vision and goals, were used as the foundation for the more in-depth planning and design workshop.



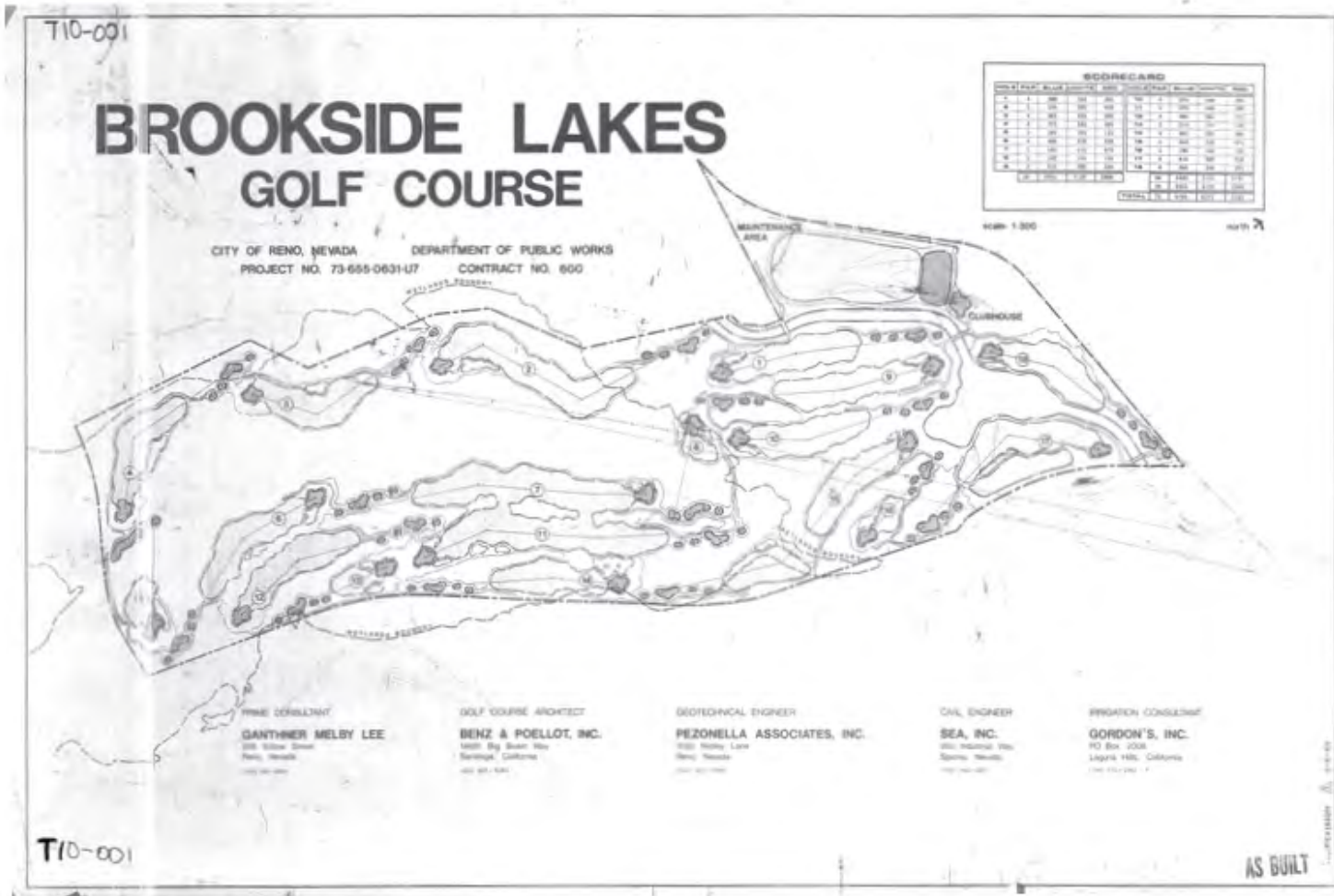


Site Conditions, Opportunities + Challenges

EXISTING SITE CONDITIONS

The project's 219-acre linear site is bordered to the south by Mira Loma Drive, Pembroke Drive to the north, and to the east by Steamboat Creek, the largest tributary to the Truckee River. Veteran's Parkway bisects the site from north to south and includes a parallel Class 1 bike path separated from the TMNSA site by fencing. Boynton Slough, which is known as Dry Creek farther upstream, flows into the site from the west, eventually draining into Steamboat Creek at the northeastern corner of the site. A utility road along Boynton Slough runs behind adjacent residences, connecting the project site to Mira Loma Park to the west of Rosewood Lakes neighborhood. The primary vehicular access to the site is via Pembroke Drive, where an existing parking lot and former golf course clubhouse remain. The site is relatively flat and provides expansive views of the surrounding mountains.

As part of the broader Truckee River watershed system, the site contains approximately 60 acres of wetland in addition to Steamboat Creek and Boynton Slough. Golf course infrastructure was originally built to avoid the most sensitive wetland areas, as guided by environmental regulatory processes. Since closure of the golf course and construction of Veterans Parkway, invasive weed species have proliferated, including within the former turf grass areas. The spread of weeds has deteriorated native wildlife habitat and impacted site access for public use. Other golf course infrastructure remains on the site, some of which can be used as-is or repurposed for this project. Targeting visitor use of the site within the footprint of former golf course improvements will both take advantage of existing infrastructure while minimizing new impacts to natural resources.



The “as-built” drawings for the Rosewood Lakes Golf Course, which shows site development conditions prior to construction of Veteran’s Parkway, provides information about the location of upland areas and elevated patches that were former tee-boxes that could potentially be transformed into wildlife viewing locations (City of Reno).

Existing Site Infrastructure

Golf Cart Paths: A 4.5-mile network of paved golf cart paths traverses the site. Segments of this network were removed when Veterans Parkway was constructed, but three underpasses were constructed under the new road to facilitate connectivity for water, wildlife, and trail/vehicular access. This network of paths includes three bridges, that are in repairable condition, over wetland areas. Some stretches of the existing path network are periodically inundated with water.

Clubhouse: The existing clubhouse can be adaptively reused for offices (as currently used by TMPF), education programs, public gatherings, and other group uses. Amenities include restrooms, a drinking fountain, a kitchen, as well as a parking lot with approximately 185 spaces. A large, covered, outdoor patio that opens onto the site provides an additional space that can be used for group activities.

Tee Boxes + Amenities: Several of the tee boxes from the golf course are elevated, and some include remaining golf course map signs, and water dispenser stands.

Clubhouse Area



The existing covered patio area attached to the clubhouse provides views across the site, and flexible space for events, outdoor classroom uses, interpretation, and programs.

Boynton Slough



The existing golf cart path leading southwest from the clubhouse area parallels Boynton Slough. The former driving range is located on the other side of the slough.



A utility road runs between Boynton Slough and the Rosewood Lakes neighborhood (left). There is a drop structure along Boynton Slough (right).

Adjacent Residences



The existing golf cart path that could become part of the trail network, passes near adjacent residences in the Rosewood Lakes neighborhood.

Tee Box Areas



The former tee box areas of the site provide elevated areas that could be used as small gathering or viewing areas.

Golf Cart Paths



The golf cart paths are surfaced with asphalt; in some locations, there is periodic inundation with water resulting in sedimentation (left). Veteran's Parkway construction removed some paths, leaving "deadends" that could be removed and revegetated (right).

Mira Loma Drive Area



Mira Loma Drive, which borders the southern edge of the site, is elevated above the project area. Any access point from Mira Loma will likely require grading, particularly to comply with the Americans with Disabilities Act (ADA). During public forums, there was significant interest in having access here.

Steamboat Creek



Residences on the east side of Steamboat Creek are visible from the existing path that parallels the creek (view looking northeast).



There are ponds west of Steamboat Creek in the northern area of the site (including seasonal) that can become focal points for educational and interpretive walks and programs (left). This area is a short distance from the clubhouse area. The surface of the main path along the creek is asphalt.

Bridges + Tunnels



The existing golf cart bridges could be used as part of a trail network with minimal repair. Some repair work has already been implemented.



This area near the clubhouse's outdoor patio provides a bridge traversing Boynton Slough and a tunnel under Veteran's Parkway.



The tunnel below Veteran's Parkway as seen looking west (left). A series of tunnels at the southern end of the site convey water, with one tunnel providing access via a paved pathway (right).



Natural + Cultural Resources Key Observations and Insights

During the planning and design workshop, a team of people focused on natural and cultural resources, focusing on goals, areas with sensitive resources that should be avoided, opportunities for the public to come into contact with important resources, and research and stewardship opportunities. Some key ideas included the following.

CULTURAL RESOURCES

- The Truckee Meadows area has thousands of years of indigenous cultural presence, including people of the Washoe, Paiute, and Shoshone Tribes, so there is potential for cultural items to be on-site, and also opportunities for cultural uses on the site

WATER + HYDROLOGY

- Understanding of water rights issues, as well as hydrological data and models will help inform design and management decisions
- Water flows and flooding could be used as tool for invasive plant management
- Determine buffer area around wetlands if herbicides are used for invasive plant management
- Consider the hydrology of the site as part of vegetation and invasive species planning and management
- Bank stabilization of Boynton Slough is needed as erosion has been an issue
- Land use changes upstream could potentially affect water quality, sedimentation, and other characteristics of the site

VEGETATION + INVASIVE PLANT SPECIES

- Marshes and wetlands are healthy but overrun with invasive plant species
- Additional literature review and identification of reference sites may be needed to determine the historic vegetation of the site
- Colonization of cottonwoods should be encouraged
- Boot/ footwear washing may help reduce spread of invasive plants
- Monitoring of native vegetation, invasive species, and wildlife is recommended

WILDLIFE

- Given the broader urban context, this site could be important to sensitive bird species
- The site is suitable for native amphibian habitat and breeding areas
- The site provides opportunities for research of birds and species diversity relative to wetlands restoration and invasive species management
- Nest boxes, platforms, and bird blinds could enhance habitat for birds
- Elevated wildlife viewing platforms will help minimize ground disturbance



Access + Recreation Key Observations and Insights

During the planning and design workshop, a team of people focused on access to the site and recreation opportunities, focusing on access points, potential site users, types of recreational uses, trail network issues (particularly where Veteran's Parkway bisected paths), and areas that could be used for group programs. Some key ideas included the following.

VISITORS + EXPERIENCES

- A goal is to provide opportunities for visitors to experience a part of Truckee Meadows that resembles its historic, natural character
- Primary users will likely include elementary-aged students, university students, community members from Reno area, neighbors, and birders

ACCESS

- Most visitors will likely arrive at the site via private vehicle, public transit, school bus, or by non-motorized methods such as walking and biking
- The primary access point will likely be the clubhouse area. Access point(s) at Mira Loma Drive are possible, but might require grading
- Site control and management relative to access points is an important consideration
- Formal access along Boynton Slough connecting Mira Loma Park is possible, but there are concerns about safety from some neighbors in the Rosewood Lakes neighborhood

TRAILS

- The existing golf cart paths can function as trail network that would provide a variety of loop trail opportunities with little modification
- To facilitate viewing of natural resources and wetlands, boardwalks, puncheons, or other elevated structures may be needed, but natural resource impacts and any regulatory issues associated with wetlands will need to be considered
- The ponds in the northeastern area of the site could provide shorter loop trail opportunities, as this is a good area for viewing wildlife
- Throughout the trail network, periodic shade and rest areas would be desirable

RECREATIONAL ACTIVITIES

- The issue of including bicycle use is challenging relative to the concept of a nature study area. There is an existing bike path along Veteran's Parkway
- People currently use the north end of the site near Steamboat Creek for fishing. This is a recreational activity some would like to continue there
- Dog walking on the site would likely be incompatible with a nature study area due to conflicts with wildlife such as birds
- Elevated areas will be needed for providing views across the site and into the wetlands, particularly as native vegetation will be taller in height than the invasive plants currently characteristic of the site
- Avoid group gathering areas near adjacent residences



Interpretation + Education Key Observations and Insights

During the planning and design workshop, a team of people focused on interpretation and education, focusing on key audiences and their characteristics, key natural and cultural resources, associated key stories and messages, and the best places on the site for connecting people to key resources. Some key ideas included the following.

AUDIENCES

- Key audiences include school groups, parents with their children, families, summer program groups, home-school groups, nature observation groups (native plants, birders, etc.), seniors. Consider different abilities, ages, language preferences, and other characteristics of diverse audiences.
- For each user category, there are specific implications for facilities, messaging, and types of interpretive and educational experiences and strategies (see appendices).

RESOURCES + STORIES

- Connect site, its resources and stories to the broader Truckee Meadows area
- Ensure that indigenous community members are engaged in writing about and sharing stories about traditional uses and history of the site and area
- Cultural resource stories include: the history of human settlement in the region and the relationship to the wetlands and water of the Truckee Meadows area; water supports life; how the resources of site are characteristic of resources that have supported human settlement for several thousand years; and how human settlement has altered the landscape, as evidenced on this site by altered hydrology and invasive plants
- Natural resource stories include: healthy wetlands and how this site represents part of the 1% of wetlands left in Nevada; the large range of bird species seen on the site and how this relates to the habitat of the site; migratory birds and the role of having a place to stop on their journey; the need for places to stop, rest, feed, and breed

SITE OPPORTUNITIES

- Transform the clubhouse into a visitor center with interpretive and educational amenities
- Cliff swallows nest at near the Veteran's Parkway bridges and tunnels
- Focus interpretation close to the clubhouse area to make these experiences more accessible
- Provide information about the experience beyond this area of concentration, focusing on the site beyond as being an opportunity for a quieter, more in-depth wildlife viewing experience. Include messages about how to maximize wildlife viewing opportunities in these areas. Provide shade and rest along the longer trail loops
- A larger, shaded area for medium and larger groups would be helpful, potentially at or near the clubhouse
- Site features such as interpretive carts and habitat enhancements such as pollinator gardens, bee boxes, bird houses, and bat houses can provide additional educational and wildlife viewing opportunities





Site Plan + Recommendations

As a nature study area, a key guiding principle for developing the site plan was to minimize new site disturbance and impacts to natural resources, while providing for public access and opportunities for education and interpretation. As such, the recommendations largely focus on utilizing existing infrastructure, and removing infrastructure that is redundant or no longer functional.

The anchor of the site's use is the former golf clubhouse, which will be transformed into a visitor center that provides for educational activities and interpretation, as well as office and administration space for management of the site. The existing parking lot has capacity for visitor use as well as school buses. The visitor center area could also be used for revenue generating activities such as private events, meetings, etc. The former putting green adjacent to the clubhouse would be transformed into a demonstration pollinator garden, and the outdoor patio would be used for outdoor classroom activities as well as other group activities and picnicking. The landscaping around the visitor center and parking area would feature native plant species. Long-term, the visitor center could be modified or replaced to enhance its sustainability.

The northern portion of the site is envisioned as a more intensively used area for group and educational programs, while the southern end of the site would be used less for group programs and more for people wanting a quieter, more solitary recreational experience. Long-term, an additional pedestrian access point on Mira Loma would facilitate access to the site from the south.

A key part of managing the site's natural resources will be invasive weed management and enhancement and restoration of native habitat. Based on the cultural history of the Truckee Meadows area, the Reno-Sparks Indian Colony will be consulted about enhancement of native vegetation, education/ interpretation opportunities, as well as potential traditional uses of the site.

The proposed plan includes a 3.65-mile trail network, including several options for loop trail experiences. Closest to the clubhouse would be a 1.3-mile interpretive trail loop that long-term, would be transformed into a universally-accessible trail providing a broad range of interpretive experiences. Within the 1.3-mile loop are two shorter ¼-mile loops

This proposed conceptual site plan, recommendations, and suggestions are a starting point for what will be a more robust planning, design, and implementation process. As such, some of these ideas may not move forward or may be modified, while new ideas are integrated based on additional information, analyses, and input. However, the general concept and vision represents input from a wide range of stakeholders and sets a general direction for the future of the site.

Trails + Flooding

For Trails that regularly flood, evaluate and consider the pros, cons, costs, and maintenance requirements for the following options:

- Close trail segments when wet and add material such as gravel
- Reroute trails to avoid those areas (while avoiding disturbance to sensitive natural and cultural resources)
- Elevate those trail segments with structures such as puncheons or boardwalks

around ponds that would provide shorter trail experiences. In the southern end of the site, a 150-yard stretch of trail that would include elevated puncheons and boardwalks would traverse part of the wetland to provide for visitor access to a cross-section of wetland types for nature observation and educational purposes. Throughout the trail network, elevated areas, such as those used for golf tee boxes, would serve as rest stops with seating, interpretive materials, and wildlife viewing structures.

Because the focus of the site's use is natural resource stewardship, compatible recreation, and education/interpretation, the trail system would be limited to pedestrian use only, and exclude dogs, to minimize impact to wildlife. Other proposed recreational use includes fishing at the northeast corner of the site where Boynton Slough drains into Steamboat Creek, where informal fishing currently occurs. Educational materials about native and non-native fish as well as environmentally-friendly fishing practices will be included at that location. Hours of operation are proposed to be from dawn to dusk, consistent with the City's current park policies and regulations.

PLANNING + DESIGN WORKSHOP ADDITIONAL SUGGESTIONS

In addition to the concepts included in the conceptual site plan, some additional suggestions were generated during the planning and design workshop by participants (see appendices for complete notes).

Groups

- In parking area, ensure there is adequate turn-around space for buses
- Consider where groups can eat lunch during visits
- Need staging and assembling areas for groups, preferable with some shade
- A place that can accommodate small groups and some storage for programs would be beneficial even if group activities are concentrated in the northern end of the site
- Locations for larger groups could have infrastructure such as footings for temporary tent or fabric shade structures

Natural Resources

- Continue mapping invasive species, areas that are treated for invasive species and restoration, native vegetation
- Develop a wildlife management plan, including information about how to handle wildlife encounters and record observations
- Develop citizen science opportunities for collecting data about the site
- Explore hydrologic restoration to increase water holding capacity of the site

Trails + Recreation

- Any boardwalk or elevated structures should be able to withstand periodic flooding and inundation
- For highly sensitive wetland and restoration areas, consider adding additional barriers to keep people on the trails. This could include dense, hardier vegetation
- Season closure of trail segments may be needed if nesting areas area established close to trails
- Consider how to integrate art into interpretive elements



Prepared for Truckee Meadows Parks Foundation 4.13.2020

Legend

- ▬ Truckee Meadows Nature Study Area
- ▬ Roadway Centerlines

Infrastructure

- ▬ Proposed Trail (Pedestrian)
- ▬ Proposed boardwalk
- ▬ Bridge
- ▬ Tunnel

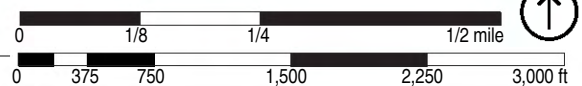
- Rest stops with interpretive signs
- ⚓ Restroom
- ⚓ Fishing area

Access Points

- ✳ Pedestrian Access
- ✳ Vehicular Access
- P Parking Areas

Concept Plan

Truckee Meadows Nature Study Area





Project Phasing

Phase 1

- Entrance/site identification signage
- Pollinator garden
- Basic informational signage at visitor center/ trail entrance
- Open the 1.3-mile loop trail and the two ¼-mile each pond loops
 - Construct 150 yds. of new trail to close gap from the tunnel to Steamboat Creek
 - Repair bridge in northeast corner of site
 - Provide directional trail signage
- Conduct additional siting and design of wildlife viewing and interpretive amenities for the trail system
- Identify trail segments throughout the site that are regularly inundated with water and identify measures to modify or avoid those segments.
- Treat and suppress invasive species throughout the wetland
- Plant competitive native grass species where invasive upland species have been removed
- Plant native species focusing on riparian and wet meadow habitats
- Explore nature center facilities options

Phase 2

- Open welcome center with minimal/basic information using existing facilities
- Develop an interpretive plan
- Plan and design visitor center facilities
- Open fishing area
- Conduct assessment of interpretive loop trail for accessibility; develop plan for enhancing loop trail for universal accessibility (include as part of interpretive planning)
- Develop rest/interpretive stops and related wildlife viewing amenities
- Continue invasive plant treatments and planting of competitive native species
- Planting more shrub and upland species where invasives have been removed
- Plant perimeter of property to prevent the introduction of new invasive weeds
- Install and monitor bird nest boxes



Phase 3

- Complete trail enhancements for the remainder of the proposed trails including any modification of areas that flood
- Enhance and open southern pedestrian entrance
- Develop remaining rest/interpretive stops and related wildlife viewing amenities
- Install portable toilet at southern end of site
- Continue management of natural resources
- Possible change to site topography to increase flood storage and create more wet meadow habitat
- Continue monitoring nest boxes and established native plant communities
- Focus on unplanted upland areas to increase shrub communities

Phase 4

- Construct boardwalk (potentially including with trail work in years three and four)
- Build outdoor classroom
- Event space, classroom, lab – visitor center area improvements

Phases 1 and 2 are anticipated to each take one year to complete; Phases 3 and 4 are anticipated to each take two years to complete.

**ATTACHMENT C
INSURANCE REQUIREMENTS**

§1.01 Requirement and Annual Review. The following insurance shall be maintained by Lessee at all times during the term of the Ground Lease (Rosewood Recreation Preserve) (the “Lease”). This insurance may be reviewed annually and coverage amounts may be adjusted by City.

§1.02 Commercial General Liability ("CGL") shall be issued on an occurrence basis meeting at least the following specifications: (City must agree in writing to any waiver or modification.)

Minimum Limits	<ul style="list-style-type: none"> • \$2,000,000.00 Per Occurrence . • \$2,000,000.00 Per Occurrence for bodily injury. • \$4,000,000.00 General Aggregate . • \$5,000,000.00 Excess Umbrella Liability
Form and Coverage	Unmodified ISO form CG 00 01 04/13. Coverage should include liability coverage arising from premises, unlicensed mobile equipment, operations, independent contractors, personal and advertising, injury, including injury to program participants, volunteers, spectators, contractual liability and broad form property damage which should not be limited by endorsement. The liability coverage should not exclude physical abuse or molestation although it may include a cap of \$1,000,000 for such coverage per occurrence. The CGL must also include an endorsement for bodily injury to participants for at least \$2,000,000.00 per occurrence.
Additional Insureds	Additional Insured Endorsement listing the City of Reno, including its elected officials, officers, employees agents and volunteers as additional insureds. No language excluding coverage for the acts or omissions of the additional insured shall be contained in the endorsement.
Primary Coverage	This insurance shall be endorsed to provide primary and non-contributory liability coverage. It is the specific intention of the parties and this requirement, and obligation of the Lessee, that all insurance held by the City of Reno, if any, shall be excess, secondary and noncontributory.
Waiver of Subrogation	This insurance is to include an endorsement waiving the insurer's rights of subrogation against the City of Reno.
Notice	This insurance is to contain a provision for 30 days prior notice to the City of Reno required for cancellation or material change.
Certificate of Insurance	A copy of the required Endorsements along with the Schedule of Forms and Endorsements page of the policy listing the required Endorsements as issued modifications to the policy, shall be attached to the certificate of insurance provided by Lessee to the City within 30 days from the commencement of this Lease.

§1.03 Automobile Liability: Automobile Liability insurance shall meet the following specifications.

Minimum Limits	\$1,000,000 Combined
Scope	This insurance shall cover bodily injury and property damages caused by an accident and resulting from the ownership, maintenance or use of an automobile, including owned, hired and non-owned.
Waiver of Subrogation	This insurance is to include an endorsement waiving the insurer's rights of subrogation against the City of Reno.
Notice	This insurance is to contain a provision for 30 days prior notice to the City of Reno required for cancellation or material change.
Certificate of Insurance	A copy of the required Endorsements along with the Schedule of Forms and Endorsements page of the policy listing the required Endorsements as issued modifications to the policy, shall be attached to the certificate of insurance provided by Lessee to the City within 30 days from the commencement of this Lease.

§1.04 Property Damage Insurance: Special form property loss insurance for the Improvements upon the property leased to Lessee or upon any easement granted to Lessee regarding APN 021-160-44 with a maximum coverage subject to approval by City, which approval shall not be unreasonably withheld.

§1.05 Workmans Comp: Lessee shall provide Workman's Comp (including Industrial and Occupational Health) insurance for its employees and any volunteers that are eligible for such coverage meeting at least the following specifications:

Minimum Limits	No less than the limits required by Nevada Law, with Employer's Liability of at least: \$1,000,000.00 for each employee per accident and per disease.
Waiver of Subrogation	This insurance is to include an endorsement waiving the insurer's rights of subrogation against the City of Reno which is at least as broad as ISO form WC 00 03 13.
Notice	This insurance is to contain a provision for 30 days prior notice to the City of Reno required for cancellation or material change.

Certificate of Insurance	Prior to assuming construction or operations on the Premises leased to Lessee or held by Lessee pursuant to an easement, Lessee shall provide a certificate issued by an insurer in accordance with NRS 616B.627 and with certificates of an insurer showing coverage pursuant to NRS 617.210 for Lessee.
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§1.06 Other Insurance and Requirements: (The City must agree in writing to any waiver or modification.)

- a. Acceptable Insurance Carriers: All insurance must be placed with reputable carriers authorized to do business in Nevada with an A.M. Best and Company, Inc. rating of A- or better.
- b. Assignee or subcontractor insurance: If Lessee assigns, sublets, contracts or subcontracts any program responsibilities or responsibilities under the Lease, Lessee shall either require them to provide their own insurance in accordance with this attachment, or include them as insureds under Lessee's policy.

§1.07- Insurance not limitation of liability. Nothing herein contained shall be construed as limiting in any way the extent to which Lessee may be held responsible for payment of damages to persons or property resulting from its operations.

§1.08 Remedies for failure to provide insurance. In addition to any other remedies City may have if Lessee fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option:

1. Purchase such insurance to cover any risk for which City may be liable through the construction or operations of Lessee under this Lease and collect the premiums as additional rent pursuant to the Lease between City and Lessee.
2. Order Lessee to stop operations under this Lease until insurance is provided;
3. Terminate this Lease.

ATTACHMENT D

Energy Conservation Fixtures

All that certain real property situate within the Southwest One-Quarter (SW 1/4) of Section Twenty-Two (22), Township Nineteen (19) North, Range Twenty (20) East, Mount Diablo Meridian, City of Reno, Washoe County, State of Nevada,, being a portion of APN 021-160-44, The Rosewood Lakes Golf Course, and being more particularly described as follows:

SOLAR ARRAY# 1:

COMMENCING at the West One-Quarter comer of Section 22, Township Nineteen (19) North, Range Twenty (20) East, being a 3" Brass Cap on an Iron Pipe, **THENCE** South 80°19'01" East a distance of 776.29 feet to the Northwest comer of Solar Array# 1, said point being the outside comer of a solar panel, said point also being the **POINT OF BEGINNING**.

THENCE North 81°31'42" East a distance of 148.26 feet;

THENCE South 08°32'44" East a distance of 16.11 feet;

THENCE South 81°29'38" West a distance of 65.93 feet;

THENCE North 08°35'40" West a distance of 3.07 feet;

THENCE South 81°36'43" West a distance of 82.43 feet;

THENCE North 08°05'29" West a distance of 12.96 feet to the **POINT OF BEGINNING**;

Containing 2,136 square feet of land, more or less.

SOLAR ARRAY# 2:

COMMENCING at the West One-Quarter comer of Section 22, Township Nineteen (19) North, Range Twenty (20) East, being a 3" Brass Cap on an Iron Pipe, **THENCE** South 83°23'10" East a distance of 929.18 feet to the Northwest comer of Solar Array # 2, said point being the outside comer of a solar panel, said point also being the **POINT OF BEGINNING**.

THENCE North 81°33'11" East a distance of 122.33 feet;

THENCE South 09°06'03" East a distance of 13.06 feet;

THENCE South 81°22'47" West a distance of 75.08 feet;

THENCE South 05°36'22" East a distance of 2.95 feet;

THENCE South 81°38'48" West a distance of 46.99 feet;

THENCE North 09°22'04" West a distance of 16.15 feet to the **POINT OF BEGINNING**;

Containing 1,753 square feet of land, more or less.

CONTROL CABINET:

COMMENCING at the West One-Quarter comer of Section 22, Township Nineteen (19) North, Range Twenty (20) East, being a 3" Brass Cap on an Iron Pipe, **THENCE** South 79°33'26" East a distance of 771.48 feet to the Northwest corner of a control cabinet, said point also being the **POINT OF BEGINNING**.

THENCE North 82°56'37" East a distance of 3.93 feet;

THENCE South 08°15'46" East a distance of 1.96 feet;

THENCE South 84°03'46" West a distance of 3.97 feet;

THENCE North 07°04'06" West a distance of 1.88 feet to the **POINT OF BEGINNING**;

Containing 8 square feet of land, more or less.

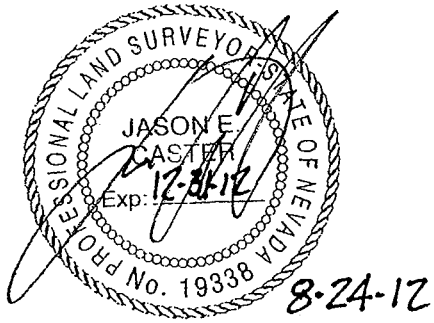
ATTACHMENT D

Energy Conservation Fixtures

BASIS OF BEARINGS:

Nevada State Plane Coordinate System, West Zone, North American Datum of 1983/1994, High Accuracy Reference Network (NAD 83/94-HARN), as determined using Real Time Kinematic (RTK) GPS observations with corrections transmitted by Washoe County Continuously Operating Reference Station (CORS) "NWRENO." the bearing between CORS "NWRENO" and CORS "SSPARKS" is taken as North 89°14'22" East. All dimensions shown are ground distances. Combined grid-to-ground factor= 1.000197939.

Prepared by:
Wood Rodgers, Inc.
5440 Reno Corporate Dr.
Reno, NV 89511



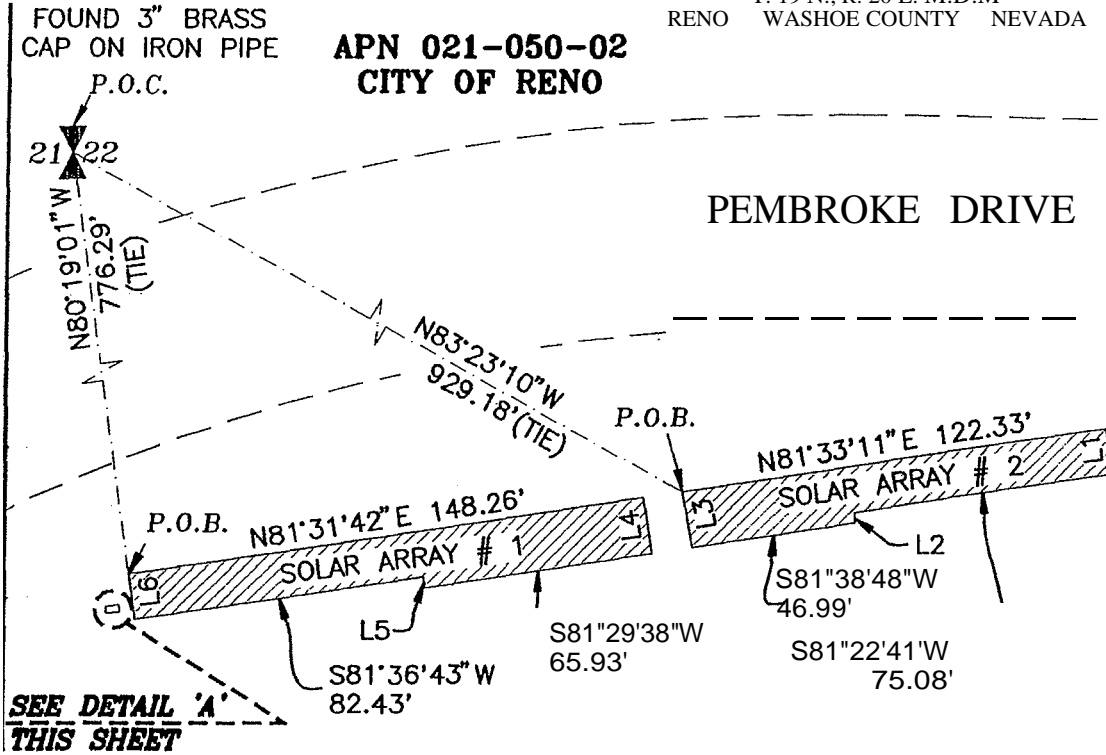
Jason E. Caster, P.L.S.
Nevada Certificate No. 19338

ATTACHMENT D

Energy Conservation Fixtures

EXHIBIT A-1
LEGAL DBSCRIPTION OF
SOLARSITE

PORTION OF THBSW 1/4 OF SECTION 22
 T. 19 N., R. 20 E. M.D.M
 RENO WASHOE COUNTY NEVADA



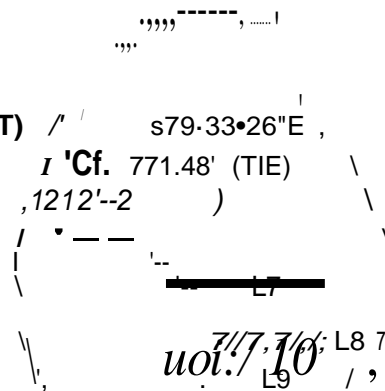
LINE TABLE		
NO.	BEARING	LENGTH
1	sog-os-03" E	13.06'
2	S05°36'22"E	2.95'
3	N09.22'04"W	16.15'
4	soa-32' 44"E	16.11'
5	NOB°35' 40"W	3.07'
6	N08'05'29"W	12.96'
7	N82'56'31"E	3.93'
8	SOa-1S-46"E	1.96'
9	S84°03'46"W	3.97'
10	N0704'06"W	1.88'

APN 021-160-44
ROSEWOOD LAKES GOLF
COURSE

1"=50'

DETAIL 'A'

(CONTROL CABINIT) N.T.S.



WCJCJD-RCJDGE:R::S
 DEVELOPER OF THE INNOVATIVE DESIGN SOLUTIONS