



SANTA FE COUNTY OPEN SPACE AND TRAILS PROGRAM ***LAMY OPEN SPACE + PARK MANAGEMENT PLAN***

APRIL 2017



surroundings

ACKNOWLEDGEMENTS

The plan was made possible through the support of the Santa Fe County Board of County Commissioners.

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The County Open Lands, Trails, and Parks Advisory Committee (COLTPAC) provided strategic guidance and review.

The knowledge and expertise of the County Open Space and Trails planning, project development, and maintenance staff was invaluable in developing this plan.

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Special appreciation is given to the approximately twenty community members who provided the time, local wisdom and sense of the community needed to achieve this management plan. Their participation in a series of three community work sessions, interviews and in providing information about the project site and its history, environment and the surrounding community are fundamental to this plan.

The County thanks Our Lady of Light Community Center's Board for providing the historic Lamy Church to host public meetings for this plan.

Specific data and resources that added immeasurably to the research efforts for this plan were provided by:

Robert Fine, NMDOT Lamy Historic Rail Photos
Cindy and Jack Clark, Clark Property Species List

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Lamy Open Space + Park (*Lamy OSP*) is comprised of two parcels. The Lamy Open Space parcel is a ninety-one (91) acre property. The Lamy Open Space contains the “Lamy Junction” archeological site and is listed in the Galisteo Basin Archeological Sites Protection Act. The Open Space was purchased in 2002 to protect those significant cultural resources. The Lamy Park site is a fifty (50) acre parcel immediately to the east of the Lamy Open Space. The park through Land and Water Conservation Funds has been developed as a passive recreation and picnic area.

The goal of this plan is to provide practical and effective management steps to maintain the cultural resources, the wildlife habitat and educational opportunities of Lamy OSP. This plan was developed based on input gathered in three community meetings and interviews with key stakeholders, site analysis and research. Community members are very supportive of cultural resource preservation, wildlife habitat monitoring, development of education and interpretation regarding the site, and a visitor center in the Lamy area.

This open space property includes significant cultural resources and important habitat. The open space site was added to the National Register of Historic Sites in June 2016. The Lamy site is identified by the New Mexico Game and Fish Crucial Habitat Assessment Tool as within a crucial wildlife corridor that runs through the Galisteo Basin. The property’s ecological and cultural resources are currently stable and have limited risks. Management needs include continued protection of cultural resources, preservation of wildlife values, habitat monitoring and interpretive educational programs. The Management Plan focuses on preserving the site’s cultural resources and wildlife habitat, and outlines a vision, maintenance activities, improvement priorities, and stakeholder involvement in land stewardship.

The Lamy OSP Management Plan identifies short-term, mid-term, and long-term management priorities for the property. The short-term phase focuses on maintenance activities and an ecological monitoring program. In the mid-to-long term, Santa Fe County may collaborate with various stakeholders to develop a visitor interpretive-education center in the Lamy area to help visitors explore and understand the unique history, geology and ecology of the site.

The Management Plan emphasizes the importance of collaboration with the community for land stewardship, and cultural resource and environmental monitoring. The plan identifies opportunities to create a stewardship group and community activities to support the Lamy OSP vision and goals.





View of Lamy Open Space + Park - from west looking to east

1. INTRODUCTION

This Management Plan for the Lamy Open Space + Park was developed with community members, neighbors, property owners and other stakeholders from throughout Santa Fe County.

The planning team worked with participants to formulate a vision for the Lamy Open Space + Park and to verify the final plan components and priorities.

1.1 Plan Purpose and Need

The Lamy Open Space + Park (*Lamy OSP*) Management Plan purpose is to:

- describe a vision, goals, and objectives for management of the Lamy OSP,
- help understand existing environmental conditions on the Lamy OSP,
- clarify priorities for the maintenance and protection of the Lamy OSP,
- identify projects for future investments at Lamy OSP,
- describe a coordinated management approach to planning, implementation and maintenance activities for the Lamy OSP,
- identify stewardship and community educational opportunities for the Lamy OSP.

This Plan was developed in response to clear and strong support for enhanced management planning for open space properties from the County Open Lands, Trails, and Parks Advisory Committee (*COLTPAC*) and from the Board of County Commissioners (*BCC*). The Plan arose from a growing need for:

- strategic management plans that include meaningful input from the community,
- a strong vision with clear objectives and strategies for resource conservation, preservation, passive recreation, and public access,
- an overview of existing conditions and site-specific inventories,
- maintenance plans with best-practice recommendations,
- identifying priorities and actions for developing key projects,
- identification of potential funding sources to implement the plan.

Management Plan Need

The Lamy OSP Management Plan is needed to continue the protection of the significant archeological resources on the Lamy OSP. Santa Fe County and the Lamy community have an interest in examining the role that this site might have relative to the community and Santa Fe County's regional open space program in the Galisteo Basin. The present timing for the development of this management plan for the Lamy Open Space Park is relevant and timely to that discussion.

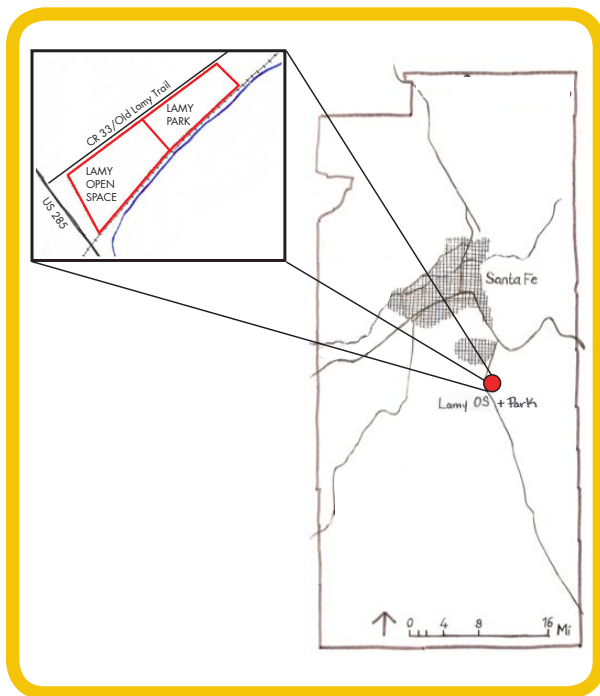


Figure 1. Location Map - Lamy Open Space

1.2 PROPERTY DESCRIPTION + EXISTING CONDITIONS ASSESSMENT

The Lamy Open Space + Park (*Lamy OSP*) is at the intersection of US Highway 285 and County Road 33. The site is comprised of two parcels-Lamy Open Space and Lamy Park. The Lamy Open Space is a ninety-one (91) acre parcel purchased to protect significant cultural resources on that site. The property contains the Lamy Junction archeological site which is listed in the Galisteo Basin Archeological Sites Protection Act. Abutting the east side of the Open Space is the fifty (50) acre Lamy Park. Picnic shelters and passive recreation opportunities were built on the park site as part of a Land, Water and Conservation Fund project.

The Lamy OSP property is near the entry to the historic Lamy community and sits at the eastern edge of the Galisteo Basin. The Lamy area has been an important locale in the long history of environmental change and human occupation in the Galisteo Basin. The site contains significant cultural resources associated with several periods of pre-historic Native American presence in the Galisteo Basin. In the late 1800s and early 20th century, Lamy was a vibrant railroad-based community and regional commercial hub, as evidenced by the rail line that runs along the southern boundary of the open space. The site is crisscrossed by four old trail alignments and other informal narrow dirt paths. Over the 19th century and until the recent past, sheep and cattle grazing and ranching were activities that affected the area. Across the site, artifacts from the railroad and ranching periods can be found.

The need to protect those significant cultural assets led to the purchase of Lamy Open Space and subsequent listing on the National Register of Historic Sites in June 2016. Also in 2016, an archaeological survey of the Lamy Park property identified additional cultural sites. The cultural assets at Lamy OSP are generally buried which helps to protect the resources. New Mexico SiteWatch assists in monitoring the cultural resources on the open space property.

The Lamy OSP is identified by the New Mexico Game and Fish Crucial Habitat Assessment Tool as within the major crucial wildlife corridor linking the Sangre de Cristos Mountains through the Galisteo Basin to the Ortiz Mountains area. Local residents have listings of over 90 wildlife species found on the property and on adjacent land. (*See Appendix D.*) The existing wildlife habitat is generally stable and with limited problems in a few specific locations. Fencing on site is not wildlife friendly and hinders movement of wildlife between and through the site.

The landscape is a stable Pinon-Juniper Savannah and Shrub Land. The dense shrub cover makes the site difficult to walk through which helps control the proliferation of informal paths

by visitors. There are no immediate threats to the landscape. Limiting new trails and improvements is important for both wildlife habitat health and cultural resources protection. The habitat needs only limited management. There are a few erosion headcuts and a small area of invasive weeds which should be addressed as localized issues. In the past few centuries the Lamy area included woodland areas. A small group of Box Elders on the open space parcel may be surviving representatives of those prior woodlands. Protecting these remnants would provide an opportunity for an educational story on habitat change.

South of the site is the Galisteo Creek. In the past, the creek meandered between the Cerro Colorado hills and the Lamy OSP. The old flood plain changed when the rail line was built in the 1880s. The raised rail bed cut off the Lamy OSP portion of the flood plain from the main Galisteo Creek floodway. The Lamy OSP portion of the flood plain now only connects to the Galisteo Creek at the west corner of the site. Three large culverts convey surface flows from the old flood plain under the rail line to the active creek bed to the south. A deep dirt trench was dug to convey surface flows from the old flood plain area to the culverts and requires ongoing clearing and management. The old flood plain on the Lamy OSP experiences low-level surface flooding from storm runoff that enters the site from the two road culverts under Country Road 33. Evidence of flooding in the form of debris wash indicates that the old flood plain area is not well suited to development of structures. Any future improvements in this area need to be designed to accommodate occasional flooding. The County Road 33 drainage culverts need maintenance to clear them on a regular basis. The County should work with NMDOT to notify them when the rail line culverts need to be maintained.

The site includes two water wells owned by the Eldorado Area Water & Sanitation District (*EAWS*D). Both are secondary seasonally used wells on the EAWS D system. One well is located on the park parcel near the eastern corner of the site. The second is on the open space parcel near the boundary between the open space and park parcels. Dirt maintenance roads run from gates on CR 33 to the well locations. There is also a 15 ft. wide EAWS D utility easement running along the north boundary of the site. Erosion problems related to the maintenance roads and the easement are evident and need to be repaired. EAWS D should be engaged to make those repairs. Both water wells discharge small amounts of water onto adjacent areas which creates opportunities for habitat enhancement.

In 1974, the Lamy Park parcel was deeded to the County for county uses. The County built a gate, three small shelters, picnic tables, trash receptacles and an unpaved parking area. Current maintenance is primarily trash removal and mowing of an area around the shelters. Best management practices for mowing need to be used to prevent the spread of invasive weeds and the surface erosion caused by the mowing. Accessibility improvements in the parking lot and around the shelters need to be addressed in the future. The County plans to connect the Lamy OSP to the Santa Fe Rail Trail. That connection will need to be integrated with other on-site improvements. Future site improvements on the Lamy OSP will require coordination with the State Historic Preservation Office.

The community's active support for protecting the archeological resources and wildlife habitat of the site was instrumental in the acquisition by Santa Fe County of the Lamy Open Space site. The community enjoys the quiet solitude of the site and uses it primarily for walking. Prior to County ownership, the community held an annual kite flying event on the site and used the informal site paths as bike and hike connections. In the community process for this Plan, participants strongly supported an Open Space visitor's center at or near the Lamy OSP. The center is seen as a place to increase awareness of Lamy as a unique historic community and to help educate about the archeological, environmental and cultural richness of Lamy and the Galisteo Basin.

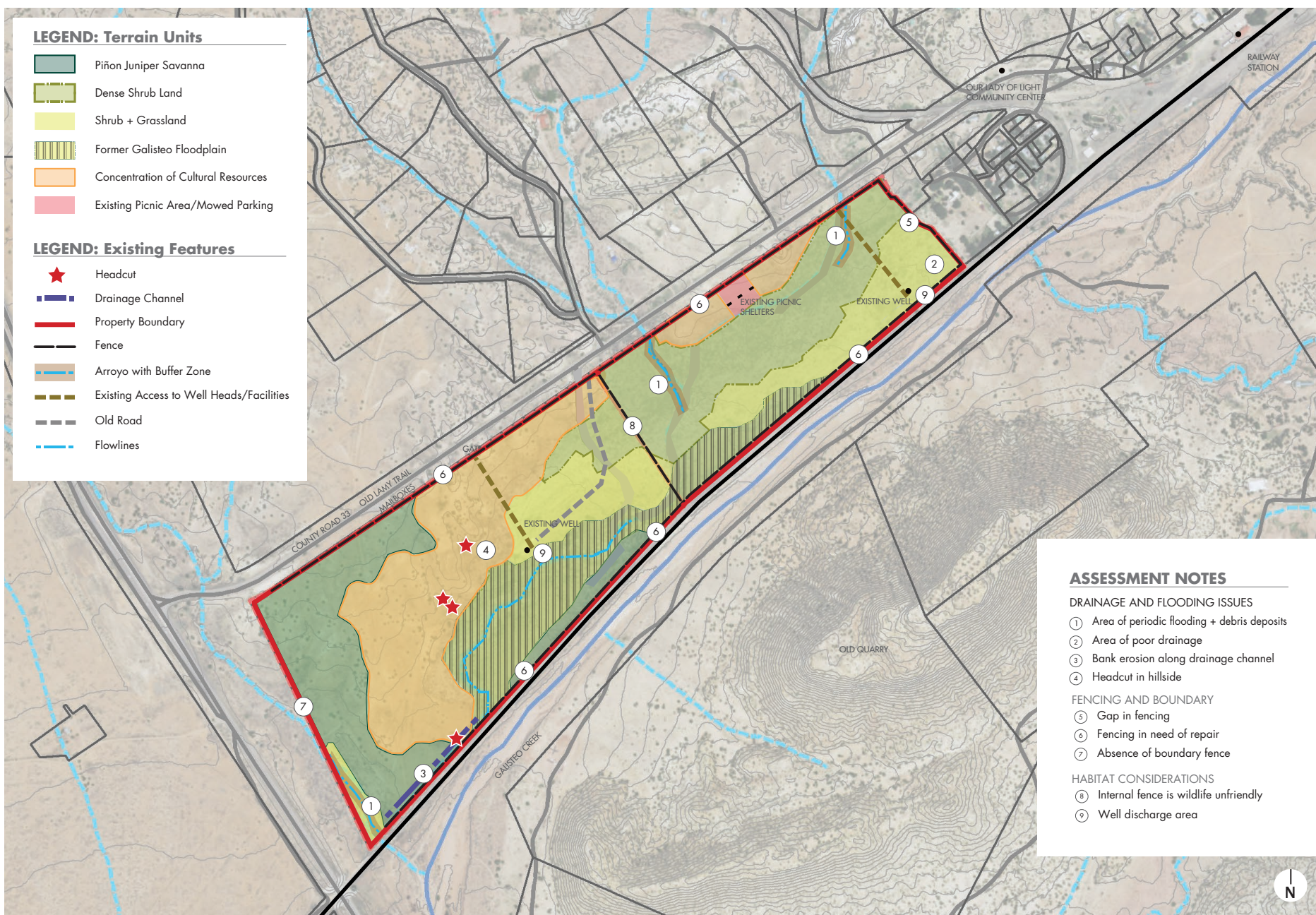


Figure 2. Lamy Open Space + Park / Site Issues Map

EXISTING CONDITIONS - NEEDS ASSESSMENT

Condition

Needs Assessment

- | | |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Archeological Resources | <ul style="list-style-type: none">• Need to improve and extend boundary protection for existing and recently identified cultural resource areas.• Need to continue arrangement for monitoring cultural resources with NM SiteWatch.• Need a long-term Lamy OSP interpretive education plan and access plan.• Need to coordinate boundary protection and other improvement plans with the New Mexico State Historic Preservation Office. |
| <ul style="list-style-type: none">• Plant-Wildlife Community | <ul style="list-style-type: none">• Need to develop a habitat monitoring program.• Need to change to wildlife-friendly fencing to encourage wildlife uses of site.• Need to manage affects of well discharge water and to consider opportunities for use in habitat enhancement. |
| <ul style="list-style-type: none">• Erosion and Drainage | <ul style="list-style-type: none">• Need regular maintenance of the culverts at CR33 and railroad culverts.• Need to manage small head cuts-erosion points on the Open Space site.• Need to continue maintenance of southwest drainage ditch at end of the old floodplain.• Need to manage erosion along the well roads and utility easements. |
| <ul style="list-style-type: none">• Infrastructure | <ul style="list-style-type: none">• Need to upgrade park entry sign, open space management signage, and accessibility.• Need on-going trash management near picnic shelters and across site.• Need to institute best management practices for mowing at picnic area. |
| <ul style="list-style-type: none">• Community | <ul style="list-style-type: none">• Need development of a stewardship group to support site management activities and to engage in the Lamy OSP monitoring program.• Need to consider community desires for walking trail on the park site. |



1.3 Management Plan Process

The Lamy Open Space + Park (*Lamy OSP*) Management Plan was informed by the County's initial goals for acquisition of the Lamy OSP and a set of planning principles. The planning principles were formulated based on goals for the Santa Fe County Open Space and Trails Program.

Initial Goals For Acquisition Of Lamy Open Space + Park

- Preserve the significant cultural and historic sites.
- Provide access to open space and trails for visitors to enjoy the views of Cerro Colorado and the surrounding area.

Planning Principles

- Adhere to the goals and purpose of Open Space program.
- Ensure public safety and access based on the reasons for acquiring the property.
- Keep maintenance needs to a minimum (commensurate to County capacity and community-based stewardship capacity).
- Invest in strategic, cost effective, long-term improvements.
- Minimize the disturbance of cultural and ecological resources.
- Involve youth and create educational opportunities.

Management Plan Process

The Lamy Open Space + Park Management Plan process involved three phases of activities.

Scoping and Reconnaissance Phase

- a. Interviews with key stakeholders, community members, and County staff on the current community interest in the site and how to engage the community in the management plan process.
- b. Review of relevant Santa Fe County plans and policies.
- c. Site visits to identify specific research needed for this management plan.
- d. The first public input meeting to develop an initial community vision for the site.

Research Phase

- a. Follow-up interviews with key stakeholders and community members to refine the approach for the second public input meeting.
- b. Research on topics identified in the scoping and reconnaissance phase.
- c. Additional site visits to confirm terrain units and collect data for a land suitability assessment and the development of management recommendations.
- d. Mapping of findings of the Scoping/Reconnaissance and Research phases.
- e. Conduct second public input meeting to present first draft of vision statement, management concept, research and land suitability findings, and generate management ideas.

Planning Phase

- a. Develop initial management plan recommendations for Lamy OSP planning, implementation, maintenance.
- b. Conduct third public meeting to confirm the vision statement and management goal, review the components of the management plan, and identify stewardship opportunities.
- c. Write the first draft of the management plan.
- d. Review with County staff to confirm plan implementation and funding opportunities.
- e. Submit the draft management plan for public review comments via the County website.
- f. Revise based on public comments and submit final draft plan for official approval.

Plan Updating

The time scope of this Management Plan is approximately 15-20 years. Plan information is more specific for the short-term (*years 1-5*), descriptive for the mid-term (*years 6-10*), and preliminary for the long-term (*beyond 10 years*).

Changing community needs, environmental conditions, and County management capacity will lead to the need for adjustments to the plan. After the mid-term span of 10 years, this plan will need updating.





2. LAMY OPEN SPACE + PARK MANAGEMENT PLAN

2.1 Vision + Goals for Lamy Open Space + Park

Vision Statement Process

The Lamy Open Space + Park (*Lamy OSP*) vision statement is based on responses from community participants to these questions, “What would “good” look like?”, “What do you want for the future of this place?”, “What might other people think would be good for this site, but you don’t?”, “What would worry you if it happened on the site?”. The draft and final vision statement was shared and verified with community members at the second and third community meetings.

Lamy Open Space + Park Vision Statement

In 2025, the Lamy Open Space and Park is a valued historical resource and a source for education about Lamy and the Galisteo Basin. The archaeological resources are protected in a way that honors and preserves them for future generations. The area is a wildlife corridor with abundant native plant and animal species. The property includes a simple trail loop that provides education, protects the site’s resources, and allows visitors to appreciate the views of the landscape.

The site may include a small visitors’ center with interpretive information about the ecology, wildlife and the history of the Lamy community and the Galisteo Basin. Facilities with water and restrooms could bring families, history aficionados, cyclists, and others to the area and create a tie to the Lamy community. These facilities are designed in a way to protect the land and its history, teach the lessons of the land, and minimize the intrusion on the land.

Preservation of the cultural resources is a high priority for the site, and is reflected in the way people access the site. The community is active in the stewardship of the place, and this stewardship helps facilitate environmental protection and contribute to greater understanding of the value of the area.

Lamy Open Space + Park Management Goal

Based on the vision statement, the central management goal for Lamy OSP is:

Santa Fe County and the community work collaboratively to protect and preserve the Lamy Open Space + Park and its existing natural and cultural resources, and maintain its walking and passive recreation opportunities. The Lamy Open Space + Park management goal is to monitor the site landscape to guide future management decisions, to manage in a limited sustainable manner, and to develop improvements that enhance the site habitat and protect its cultural resources.



Lamy Open Space + Park Specific Management Goals

Specific management goals in support of the Lamy Open Space + Park (*Lamy OSP*) Vision are:

- A. **Holistic & Inclusive.** The Lamy OSP is managed in an inclusive and collaborative manner through on-going consistent discussion with the community, agencies and partners about planning, implementation and maintenance activities for the site.
- B. **Cultural Resources.** The cultural resources on the Lamy OSP are protected and preserved through education and interpretation, appropriate boundary improvements, regular monitoring of the resources, and continued collaboration with the State Historic Preservation Office.
- C. **Ecological Health.** The ecological health and resilience of the Lamy OSP is maintained through minimizing new impacts, careful enhancement of the wildlife habitat, and nuanced management based on data collected from the site.
- D. **Natural appearance.** The Lamy OSP's natural appearance and sweeping scenic views are complimented by using natural design principles and natural materials, and by allowing natural processes to accomplish management goals when possible.
- E. **Education.** The Lamy OSP will provide interpretive education opportunities, and encourage education and research about the site, its cultural and wildlife resources, and its relationship to the Galisteo Basin.
- F. **Access.** The Lamy OSP will manage site access that balances safety with community desires for passive recreation on the site and the need to protect significant cultural resources and wildlife habitat quality.
- G. **Infrastructure.** Infrastructure on the Lamy OSP will be designed, managed and maintained to mitigate impacts from the development, installation or operation of the infrastructure which includes, roads, utilities, structures, fences, and signage.

Monitoring Objective

Monitoring at the Lamy Open Space + Park (*Lamy OSP*) is to document, understand and educate about the wildlife and species on the site. The monitoring objective is to develop a database about the habitat of the Lamy Open Space + Park upon which future management decisions and education activities can be based.

The Lamy OSP is a stable Pinon-Juniper Savannah and Shrub Land habitat. Monitoring the site's habitat will provide the County information that can be used to assess and manage other County properties with similar landscapes.

Santa Fe County does not have the staff nor resources to do the monitoring activities with only its own staff. Santa Fe County will contract with a consultant or a non-profit with experience to develop the basic protocols on where, how and when to monitor the site in a consistent science-based manner. The consultant or non-profit would help the County to organize and hold an annual on-site monitoring activity. Community support is needed to actively help with on-site monitoring activities, data compilation and management. Monitoring is likely to be an annual event done with a wide variety of participants.

The Lamy OSP habitat monitoring plan specifies how the indicators will be measured or documented, when and where this will be done, who will do the monitoring task, and what equipment or supplies are needed. The first monitoring event will establish the baseline conditions by which the habitat will be monitored for changes, and to develop future management actions as needed.



Well discharge pipes at well tank.



View of riparian plants in well discharge area.



View of mowed area at picnic shelters.



2.2 Conceptual Plan

The Conceptual Plan for Lamy Open Space + Park (*Lamy OSP*) describes proposed management strategies, projects and associated investments to support the Lamy OSP Vision and Management Goal. The Conceptual Plan describes recommended planning, implementation, maintenance activities, specific projects, their purposes, priorities, and suggests a timeline for implementation.

Approach

The Lamy OSP Conceptual Plan aims to protect and preserve the site's significant cultural resources, to conserve the wildlife habitat quality, and the site's scenic beauty. The conceptual plan envisions interpretive education and local recreation improvements in the future.

The most significant assets at Lamy OSP are the historical and cultural resources, along with the property being located within the critical habitat zone of the Galisteo Basin Wildlife Corridor. These assets are best protected by limiting and carefully controlling future development and activities on the Lamy OSP. The recommended management approach is to allow the natural processes of the site to continue as they are now, and to build a database of information to guide future decisions for Lamy OSP. As part of the Galisteo Basin wildlife corridor, the health, quality and richness of the habitat should be monitored annually through a scientific assessment and inventory of the habitat and species. Over time, the data can assist the County in determining best management practices at Lamy OSP as the record indicates local effects of environmental change, and other County open space properties with similar characteristics and features.

This approach of limiting development and activities also protects and preserves the significant cultural resources by limiting the impacts. Currently, New Mexico SiteWatch assists the County in monitoring cultural resources on the Lamy Open Space parcel. They help monitor risks from erosion, management actions, vandalism, looting and other activities. The County should continue to foster its relationship with New Mexico SiteWatch, and expand it to include the Lamy Park site. This partnership exemplifies the increased capacity that communities and the County can gain when skilled and knowledgeable community groups are brought to the table. This is an approach that can and should be applied to other County Open Space properties.

The Conceptual Plan includes: limited site infrastructure improvements for park entry signage, management signage, an information board and accessibility; protective fencing for cultural resource areas; replacement of existing fencing with wildlife friendly fencing; mitigation of small headcuts; and management of well discharge waters. County maintenance will use best management practices (*as outlined in Appendix B*) for the mowed area near the picnic shelters and coordinate with the Eldorado Area Water & Sanitation District to manage erosion on well access drives and utility easements. Future on-site development would be limited to a few educational interpretive improvements and narrow, natural surface paths. Protection for the habitat and the cultural resources includes strictly controlling site access by vehicles and off-trail uses. The Lamy OSP may include a visitor center for interpretive education about the area and the larger Galisteo Basin. The Lamy OSP resource protection needs may preclude a visitor center from being developed on the site. The community supports locating the center in Lamy village.



Development / Projects + Programs

The Conceptual Plan includes interpretive education, research and improvement projects for the Lamy OSP identified during the community planning process. These projects need further detailed planning and review to establish their feasibility. Within the context of this Plan, projects include program development, as well as facility development.

Planning and preparation is required for all projects and programs proposed. Coordination with the State Historic Preservation Office for plan reviews may also be necessary. Implementation will need to be balanced with funding, staff availability, and project schedules.

Community involvement is essential for the planning, implementation and maintenance of future Lamy OSP projects. Public involvement may include feedback on proposed project details during future planning and design sessions; active engagement in the planning and implementation of projects; monitoring efforts; and on-going maintenance of the site.

The following are projects prioritized by their importance to the Lamy OSP Vision, the level of effort to achieve them, and the effective period to accomplish them.

Short Term Phase

1. Monitoring Program

A monitoring program is an important project for the Lamy Open Space Park. It is central to the strategy of information from habitat monitoring to guide the long-term management of the property. Development of a program to help monitor and inventory the site habitat should include:

- assessment of what to monitor, where, and when,
- establish data collection protocols,
- identify how to document and store data (*consider public web-based applications*),
- recommend how to organize citizen volunteers and sustain their long-term engagement with the program,
- recommend budgets and resources for the program.

2. Site Signage + Accessibility Improvements

Upgrade the site entry, install site management signs and a bulletin board, and accessibility improvements to the current County Open Space standards.

3. Fencing Improvements

Improve site fencing to protect site assets, improve safety and reduce maintenance. The project should address adjustments of boundary fencing, no trespass signage, and improving all site fencing for durability, maintainability and wildlife-friendly design. The County will coordinate with SHPO to determine appropriate protections for cultural resources. The County, NMDOT and Rio Metro will discuss the south fence line between Lamy OSP and the rail line.

4. Environmental - Habitat Enhancement

Develop small improvements that enhance or protect the existing habitat. The project will include opportunities to utilize discharge waters from the existing wells for habitat enhancement, and erosion control of small headcuts to avoid impacts to cultural resources.

5. Park Trail Loop

Develop a trail loop on the park site. The project will include:

- design for environmental-sensitive, low-impact, accessible, pedestrian recreational use,
- avoidance or mitigation of impacts to cultural resource areas on the park parcel.

Mid-to-Long Term Phase

6. Cultural Resource Interpretation + Educational Access

Develop a cultural resources interpretive education plan. The project will include:

- policy recommendations on protection of scattered historic artifacts on Lamy OSP,
- recommendations on policies and protocols for access to the cultural resource areas,
- development of cultural resource stewardship, and resource ethics education,
- determination of level of interpretation to occur at the Lamy OSP with agency and stakeholder consultation,
- design and implementation of on-site interpretive signage,
- design and implementation of any educational trail to cultural resource areas.

7. Visitor Center + Education Center

Development of a Visitor Center + Education Center will be a mid-to-long term effort and done in three major steps.

Feasibility Study. Confirm if there is need and support for a visitors/education center; consider location alternates, describe optimum building program, operational options, identify probable County and local fiscal impacts, and budgets for design, construction and operations.

Operations Plan. If the Feasibility Study determines that a visitors-educational center is feasible, develop a specific operations strategy (consider county, partner agencies, 501-c3 groups, concessionaire) with staffing requirements and operational budgets.

Design + Construction. If the Feasibility Study determines that a visitors-educational center is feasible, fund, design and construct the visitors-education center.

Development - Projects Sequence

Every proposed project requires planning, research, and concept development to be well conceived, funded and implemented. The *Possible Projects Sequence* indicates a possible sequence for the Lamy OSP projects identified in this Plan and the general process that each project will go through. (See the graph next page.)

The Possible Projects Sequence




























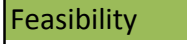

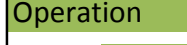




The Possible Projects Sequence indicates a general estimate about the relative timing and complexity of proposed projects. The sequence also conveys the likely overall scale of effort needed to accomplish the proposed project.

The simpler and smaller the project, the shorter the likely time to fund and implement will be. The more complex and costly the project, the longer the budgeting and implementation time takes. Some projects such as major drainage improvements may require several years to secure funding. Community advocacy and support can affect project timing and implementation.

The actual project sequence and timing will vary from what is diagrammed on the chart. Projects may start earlier or later than estimated. The sequence indicates the relative time and effort it may take to prepare a project, plan and design it.

| | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Identification | A. Identify the project. B. Determine project schedule and needed level of planning /research / concept plan. C. Identify and secure funding source for planning /research / concept plan. D. Obtain County approvals to proceed with planning /research / concept plan. |
| Planning + Concept Plan | E. Engage and notify the community about the project and its process. F. Engage and/or notify reviewer agencies and agencies with interests in project. G. Conduct project planning, research, and concept plan process. H. Obtain approval of project concept to proceed to implementation/design/construction. |
| Funding for Implementation | I. Identify and secure funding for implementation of plan, design and/or construction. |
| Implementation | J. Proceed with County process to implement plan, design and/or construction. |

POSSIBLE PROJECTS SEQUENCE

| Project | Yr 1 | Yr 2 | Yr 3 | Yr 4 | Yr 5 | Mid-Term | Long -Term |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. Monitoring Program |   |   | | | | | |
| 2. Site Signage Improvements |   |   | | | | | |
| 3. Fencing Improvements |   |   | | | | | |
| 4. Environmental -Habitat Enhancement |   |   | | | | | |
| 5. Park Trail Loop | | |   |   |  | | |
| 6. Cultural Resources Interpretation | | |   |   |  |  | |
| 7. Visitor-Education Center | | | | | | | |
| Feasibility Study | | | | |  |  | |
| Operation Plan | | | | | |  |  |
| Design - Construction | | | | | |   |  |

The Conceptual Plan sequence for project activities follow a prioritization criteria outlined in the Planners' Guide developed for the County Trails and Open Space program. General phasing for Lamy OSP is shown in *Figure 3*. The time lines are general.

Short term = 1 to 5 years

Mid-term = 6 to 10 years

Long-term = over 10 years

After 10 years, the Conceptual Plan will need to be reviewed and updated for changes that have occurred over time.

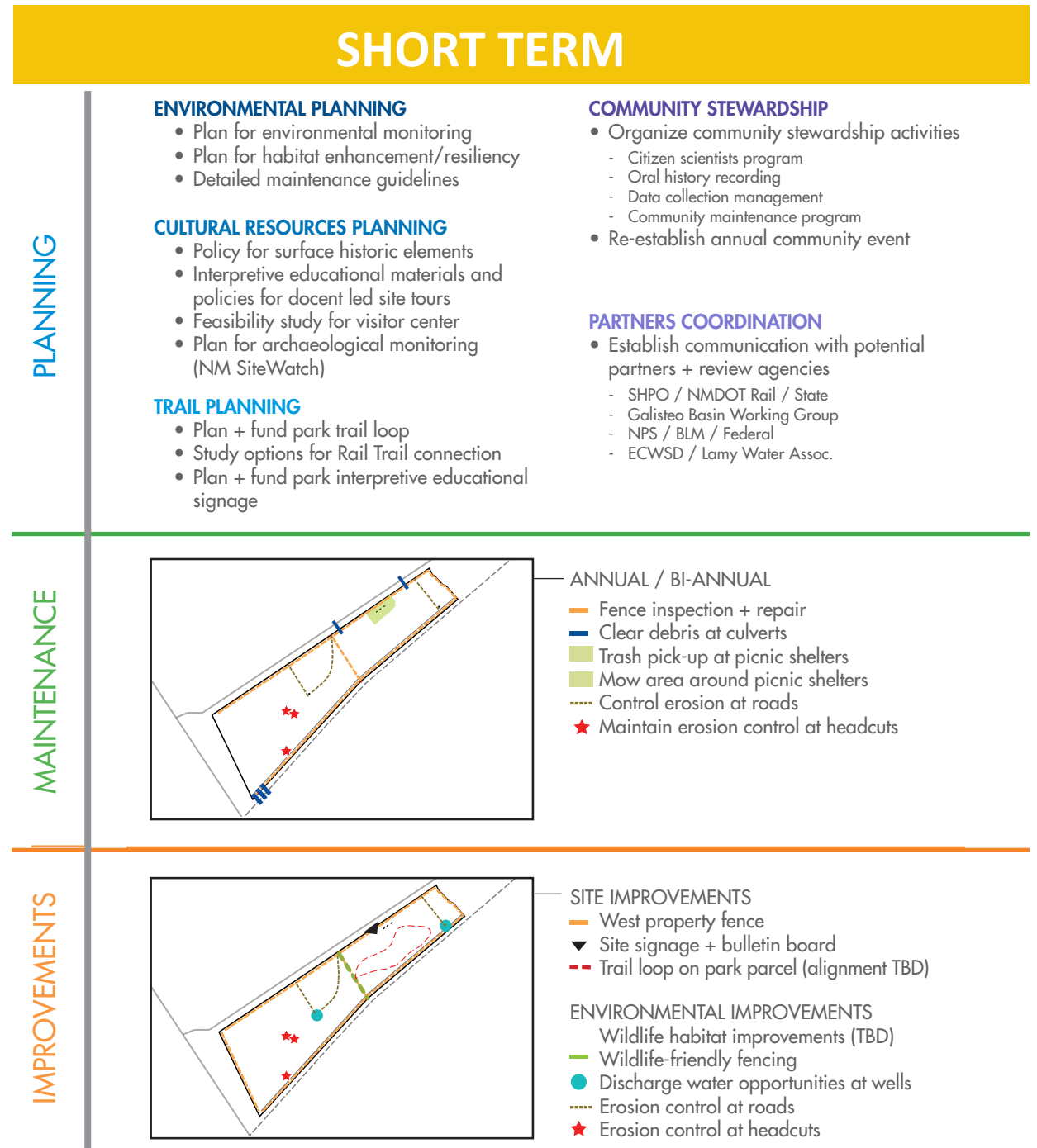
Short-Term

- Develop the monitoring program and build a stewardship group to engage in the program.
- Design and installation of entry sign, site signage and bulletin board.
- Maintenance of existing site improvements, including gates, fencing, drainage culverts, and head cuts.
- Design and installation of trail loop on Lamy Park parcel.

Mid-Long Term

- Continue monitoring program.
- Continue maintenance of site improvements.
- Develop and implement interpretive educational plan.
- Plan, design and implement trail loop for cultural resource areas.
- Research feasibility of a visitors center.

Figure 3. Planning/Maintenance/Improvements Diagram



MID TERM - LONG TERM

PLANNING

ENVIRONMENTAL PLANNING

- Implement habitat enhancement + erosion control

CULTURAL RESOURCES PLANNING

- Master plan for visitor center
- Interpretive educational materials + policies for visitor center
- Fund visitor center design + construction

TRAIL + RECREATIONAL PLANNING

- Study options for open space trail + interpretive improvements

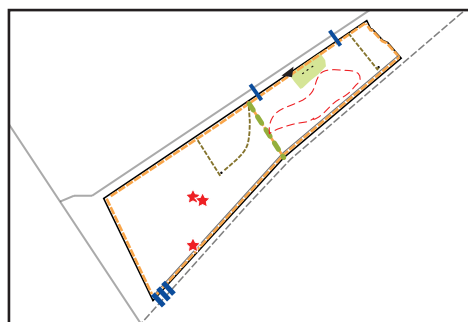
COMMUNITY STEWARDSHIP

- Strengthen community stewardship group
- Continue community events
- Develop educational + research opportunities

PARTNERS COORDINATION

- Maintain communication with potential partners + review agencies

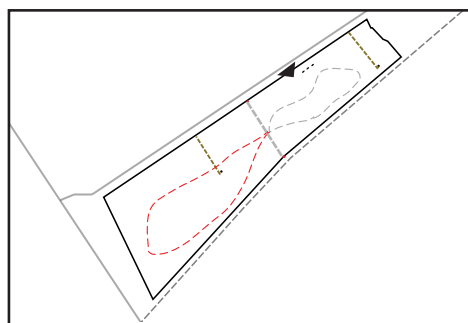
MAINTENANCE



ANNUAL / BI-ANNUAL

- Fence inspection + repair
- Clear drainage culverts
- Trash pick-up at picnic shelters
- Mow area around picnic shelters
- ▼ Signage and trail maintenance
- Control erosion at roads
- ★ Maintain erosion control at headcuts

IMPROVEMENTS



IMPROVEMENT OPPORTUNITIES

- Visitor and interpretive center (location TBD)
- Trail loop to open space parcel / National Registered site (alignment TBD)
- ▼ Interpretive educational signage

- Plan and design the visitors center.
- Develop visitors center operations plan.
- Implement the visitors center design and operations.

Community involvement is essential for many of the proposed Conceptual Plan activities and projects. Public involvement may include feedback on the organization and development of the citizen science program, planning and design of future projects, and maintenance activities. Several maintenance activities will be suitable for community or volunteer participation. Community involvement is needed to encourage stewardship, care and maintenance of the Lamy OSP. Outreach to tribal groups on the long-term stewardship of the Lamy OSP will be an important activity.

A comprehensive overview of planning activities along with maintenance activities, Conceptual Master Plan projects, and community stewardship activities is included in *Appendix A*. The activities are listed by functional group (*planning, maintenance, projects, community services*) relative to Santa Fe County's organization of departments.

2.3 Monitoring + Information Management + Maintenance Approach

Monitoring

Monitoring will play an important role in the long-term management of the Lamy Open Space + Park (*Lamy OSP*). There are three types of monitoring that will be done at Lamy OSP.

A. *Ecological Monitoring*

Monitoring for ecological health will follow the detailed monitoring plan. The aim of ecological monitoring will be to compile a comprehensive species inventory and to conduct a controlled monitoring program to build a longitudinal record of the habitat quality of the site. The information will be used to support the site's role as part of the critical wildlife corridor that spans the Galisteo Basin. It will also be the basis for understanding environmental change and to develop responses to support long-term habitat resilience as the Lamy site evolves in the future.

B. *Cultural Resource Monitoring*

New Mexico SiteWatch currently assists the County to monitor cultural resources at the Lamy OSP. They help monitor risks from erosion, management actions, vandalism, looting and other activities. Santa Fe County will continue its relationship with New Mexico SiteWatch to help protect and preserve the cultural resources at the Lamy OSP. A potential expansion is for the County to work with SiteWatch to help educate and train docents in the future for interpretive education at the Lamy OSP.

C. *Maintenance Monitoring*

Maintenance monitoring is focused on identifying localized drainage, erosion and infrastructure issues for repair or management before site damage occurs. Maintenance monitoring will be done by County staff with support from the community.

Information Management

Santa Fe County will gradually streamline and enhance the procedures that help staff and the community to acquire, store, and share knowledge that is essential for effective resource management of Lamy OSP.

Maintenance Approach

The County will lead in the organization of maintenance activities and maintain the existing on-site improvements, but may face challenges to meet all the maintenance needs that may arise in the future. Strategies to optimize maintenance effort, include:

1. collaboration with civic organizations, other agencies and community stewards to leverage the efficiency of working together;
2. invest in smaller, consistent well-planned maintenance activities;
3. conduct maintenance activities at the optimum time based on monitoring or a regular schedule.

| Where | What | Why | When |
|-------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------|
| Location | Monitoring Activity | Goal Relationship | Recommended Frequency |
| All Site / Monitoring Program | a. Monitor environmental health b. Adjust management based on data | Holistic & Inclusive / Ecological Health | a. Per Monitoring Program Plan b. As identified by monitoring |
| Cultural Resource Area | a. Monitor cultural resource sites | Cultural Resources | a. Variable |
| All Site | Inspect and repair: a. Fences, gates b. Signage, bulletin board c. Well access roads and easement | Infrastructure / Access | a. Annually b. Annually c. Annually (w/ EDWSD) |
| All Site | a. Head cuts b. Culverts, drainage ditches | Ecological Health / Infrastructure | a. Annually, in spring b. Twice a year, spring and fall |
| Picnic Shelter Area | a. Inspect-repair shelters, tables b. Managed mowing c. Trash management | Ecological Health / Infrastructure | a. Annually b. Twice a year in summer c. Weekly / additional for events |

Table 1. Monitoring Matrix

Note:

The table indicates the minimum suggested monitoring frequency. In some circumstances frequencies may need to be increased if/when staff time and funds allow, or if maintenance activities can be conducted by community volunteers.



2.4. Community Relations

Santa Fe County intends to develop and maintain productive, collaborative and neighborly relations with the Lamy community and other stakeholders in the implementation of the Lamy Open Space + Park (*Lamy OSP*) Management Plan.

Information Exchange

Santa Fe County plans to expand and develop several methods for information distribution and exchange with community members and stakeholders.

Signage

Santa Fe County will install entry signage to identify the Lamy OSP property. Site signage will inform the public about safety aspects, leave-no-trace principles, suggestions for general care and stewardship behavior, and contact information for Santa Fe County. A bulletin board may be placed on the Lamy OS property near the existing picnic shelters for public notices, such as specific events, meetings, and stewardship or management activities.

Website

Santa Fe County maintains the website pages dedicated to the County Open Space & Trails program. The website may be expanded with a specific web page describing the Lamy OSP landscape and history, management plan information and activities, and planned events at the Lamy OSP.

Community Contact

Santa Fe County will work with the community to identify a communication structure and methodology with community members who are available to field comments and questions and contact County staff for follow-up actions. Communications may address site management, cultural resource management, site protection, public safety measures, and maintenance activities.

Education and Collaboration

Santa Fe County and community members understand that it is important to cultivate educational and research activities to raise awareness about the significant cultural resources, ecology and history of the Lamy OSP, as well as to mobilize support for future stewardship. Santa Fe County and community members want to encourage youth engagement and to include school groups in educational activities, site monitoring, and land stewardship.

Part of the educational effort is to develop an information database about the land, history and people of Lamy and the Galisteo Basin as the basis for a citizen science program. A well-organized information database will also be a valuable resource for a possible future visitors center. There are programs and groups that can provide guidance on setting up programs and ready-to-use tools in how to create and manage the database, possible resources include:

- **Monitoring Programs** Habitat monitoring and potential environmental education docents to be fostered by the County and the local community. [Naturalist.org](https://www.naturalist.org) is a website with information on citizen science programs across the nation. *Appendix F lists other resources.*
- **New Mexico SiteWatch** Cultural resource monitoring, potential cultural docents
- **New Mexico StoryCorp** Oral history recording
- **InteractiveArchivist** Community photo sharing information site

A significant portion of the community relations will revolve around citizen science activities, site maintenance, and increasing stewardship of Lamy OSP. Because this site is a stable landscape and because it is recommended that the site be passively managed, the initial focus will be on monitoring to understand what is there now and to observe how environmental change affects the landscape over time.

Collaboration on these activities will be effective if it starts with organizing community partners around specific, tangible projects to foster communication and trust, and to generate additional objectives, priorities, and creative new ideas for problem solving. The following topics are of interest in the community and may serve as pilot projects.

- Field monitoring training and events.
- Development and management of the Lamy OSP database.
- Public and youth education on cultural resources and their preservation.

Santa Fe County intends to engage a diverse group of community stakeholders in stewardship at Lamy Open Space Park:

- Immediate neighbors and adjacent Lamy area neighborhood associations
- Local youth and students (e.g., Eldorado Elementary)
- Native American communities with interests in the site
- SiteWatch - New Mexico Historic Preservation Division
- New Mexico Department of Transportation - Rail Division
- GBASPA Working Group
- Eldorado Area Water & Sanitation District (EAWSD)
- Lamy Mutual Domestic Water Association
- Lamy business owners
- Our Lady of Light Community Center
- Hwy 285 South business groups
- Equestrian groups in the area
- Local bike touring businesses
- Regional conservation, hiking, biking and outdoor organizations interested in Lamy OS.

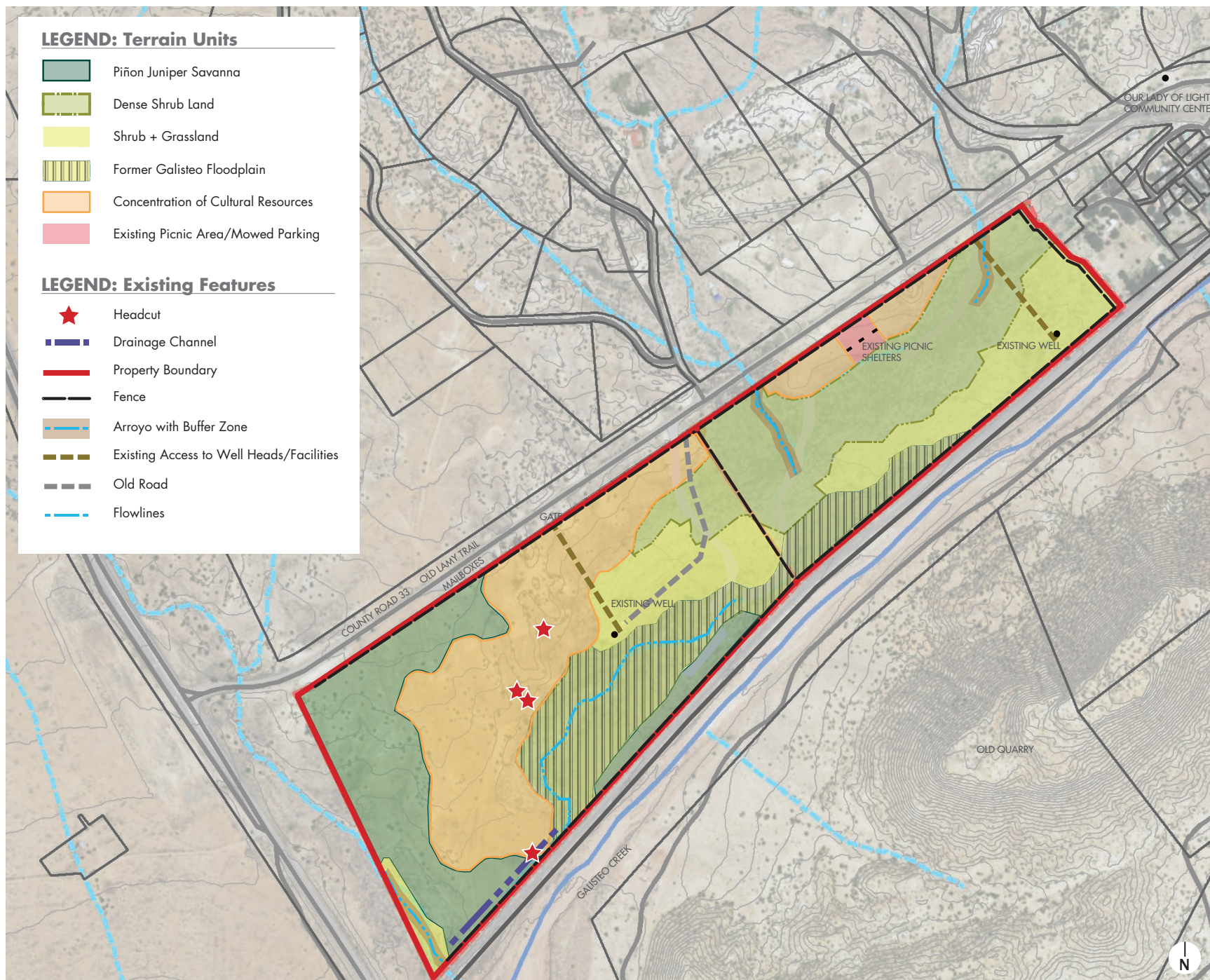


Figure 3. Terrain Units (TU)

2.5. Terrain Units

Terrain Units

Terrain Units delineated for Lamy Open Space + Park are areas that share characteristics of drainage, vegetation, soils that are observable or have unique assets or uses. These TMUs will facilitate the monitoring plan and future maintenance actions.

Appendix C. Santa Fe County Open Space Management, Terrain Units Descriptions, Lamy Open Space + Park; Lamy, NM provides detailed descriptions of the Terrain Units.

Pinon-Juniper Savannah

The Pinon-Juniper Savannah areas of the site are mostly in the higher elevations of the site and on sandy, gravelly side slopes around the Cultural Resources areas. The cover is scattered Pinons and One-Seed Juniper with a 50% cover of native grasses, limited forbs, and individual or small stands of shrubs, which include cholla, snakeweed and chamisa.

Dense Shrub Land

Dense Shrub Land is characterized by dense shrub vegetation interspersed with a few patches of grasses and many exposed patches of soil. This unit is a gently sloping zone associated with sheet flows of two drainages entering the site from County Road 33 to the north of the site. Water funnels to the site through culverts and flows to the confluence and into the Former Galisteo Floodplain.

One culvert is near the northeast corner of the site and the second is between the picnic shelter location and the east boundary fence of the open space parcel. There are small dirt channels associated with each culvert location, but little sign of extensive erosion. A pattern of surface flooding deposited piles of small twigs and organic matter can be seen at the ground level under the shrubs. The shrub mix is very dense and difficult to traverse. Four-Wing Saltbush and Apache Plume are the majority of the shrubs with some short forbs and grasses.

Shrub + Grass Land

The Shrub and Grassland Unit is a gently sloping to flat area with loamy soils with some gravel, located between the Dense Shrub Land Unit and the abandoned Galisteo Creek flood zone. The vegetative mix is more open with both shrubs and grasses. The species of shrubs and grasses is not notably different from on the remainder of the site. The soils in this zone are more gravelly and may be remnants of gravel bars from when the lower portion of the site was part of the Galisteo Flood Plain.

Former Galisteo Flood Plain

The area noted as Former Galisteo Flood Plain is the lowest areas of the site. Evidence of a more active floodway in the past is seen in short eroded scour

embankments near the west end of the zone. All drainage from the park parcel and most of the open space parcel flow to this area. The channels are active drainages that collect and carry much of the entire property's runoff to a single outflow point in the far southwestern corner of the property. Locally, there are some pools that temporarily hold standing water in the active channel. Soils are fine sandy and loamy, and covered with dense patches of grass.

Concentrations of Cultural Resources

The Cultural Resource is defined by loosely mapping an area to include all sites identified in archaeological surveys for the open space and park parcels. With the exception of two areas on the park site that were surveyed in the summer of 2016, the sites are all included in the Register of National Historic Sites listing for Lamy Open Space. These areas occupy most of the high ground of the site.

Existing Picnic Area / Mowed - Parking

The existing picnic shelter area is managed by mowing the existing shrub and grass cover on a seasonal basis. A recommendation is to institute best mowing management practices to avoid damage to adjacent natural areas. North of the shelters a thin layer of gravel has been spread to accommodate parking for the picnic shelters.

2.6. Plan Implementation + Financing Mechanisms

Plan implementation will start by identifying priorities and timelines among staff for activities regarding maintenance, planning and project preparation, community outreach, and community stewardship involvement. Prioritization will be based on balancing the tasks at hand, and the staff and funds available to accomplish the tasks.

First Year Implementation

Implementation of this plan will start upon approval of the Lamy Open Space + Park (*Lamy OSP*) Management Plan by the Santa Fe County Board of Commissioners.

Recommended implementation activities for the first year are outlined below.

1. *Community Relations*

- a. Meet with participants from the Management Plan process to identify or create a community liaison group to work with the County to distribute information and encourage involvement in planning and activities at Lamy OSP.
- b. Meet with the community liaison group to discuss the monitoring program and to recruit volunteers for the program.
- c. Participate in an annual meeting with the community to:
 - update regarding on-site activities,
 - review the status of Lamy OS prioritized projects,
 - review and assess the outcome of Year-1 activities and evaluate priorities for Year-2.

2. *Site Monitoring*

- a. Integrate recommendations for site maintenance monitoring into County staff schedules and budgets.
- b. Train County staff in monitoring protocols, as needed.
- c. Engage a consultant or partner group to:
 - work with the community to launch the program,
 - assist in management of activities,
 - grow participants with outreach to community and groups with interests in science education, such as school groups, academic institutions, environmental stewardship groups,
 - after the first year of the program, assess and evaluate adjustments as needed.

3. Planning Projects

- a. Plan, design, and install fencing and trespass signage improvements for cultural resource areas. Review of plan will be needed with SHPO.
- b. Evaluate, plan, design, install head cut controls. Most headcut locations are in cultural resource areas, review will be needed with SHPO.
- c. Plan, design, install wildlife-friendly fencing improvements to all site.
- d. Evaluate, design, and install entry sign, and a bulletin board.
- e. Begin County process to fund planning for:
 - park trail loop
 - interpretive educational plan
 - visitor center feasibility study.



Eroded access road to EAWSD well.

4. Maintenance Activities

- a. Continue maintenance of picnic shelter area. Train staff on best practices for mowing at shelter area. *(See Appendix C)*
- b. Repair existing site fencing and gates.
- c. Clear drainage culverts at CR33, west earthen drainage ditch, as needed.
- d. With Eldorado Area Water and Sanitation District (EAWSD) examine erosion and maintenance issues at well access roads and utility easements, collaboratively manage corrective actions.
- e. Notify the NM DOT when rail line culverts need clearing or maintenance.
- f. Review with NM DOT and Rio Media the condition of the fence line along the rail line boundary. Discuss and coordinate County, NM DOT and Rio Media fence repair and replacement activities as possible.



Example of existing fencing needing replacement.



Example of a head cut needing stabilization.

Financing Mechanisms, Funding Sources + Partners

Santa Fe County owns and manages more than 6,600 acres of open space properties and park areas, but it has insufficient funding and staff resources to meet the acquisition and management goals for the properties. Santa Fe County will be able to implement this plan, if it successfully continues to develop new funding mechanisms, identifies new funding sources, and cultivates collaborative relationships with neighbors, local stakeholders, and other interest groups.

To implement this plan, Santa Fe County will include neighbors, stakeholders and other partners for monitoring, planning, and implementation of specific projects. This collaborative approach can reduce the need for outside funding for site management, help build neighborly relationships, and increase buy-in from and by the people with the greatest interest in the property.

Santa Fe County will pursue funding sources and explore creative funding mechanisms to ensure the financial viability of managing the Lamy OSP according to the recommendations of this management plan. *(See Table 2)*

Table 2. Potential Funding Sources / Mechanisms & Collaborations

| POTENTIAL FUNDING SOURCES | | PURPOSE | ACQUISITION TIME FRAME |
|--------------------------------|----------------------------------------------------------------|---------|---------------------------------------|
| General Fund (Santa Fe County) | Staff costs | | Annual budgeting process |
| Grants | Staff, contractors, or consultants for various tasks, such as: | | Dependent on funding source timelines |
| | Fencing | | |
| | Signs, bulletin board | | |
| | Monitoring program - environment | | |
| | Monitoring program - cultural resources | | |
| | Interpretive education research and implementation | | |
| | Trail and recreation master planning | | |
| CIP funds | For the same as Grants | | Annual budgeting process |
| FFS (Fee for Service) | Concession operation of Visitor Center | | On a contract basis |

| POTENTIAL FUNDING MECHANISMS & COLLABORATIONS | | PURPOSE | DEVELOPMENT TIME FRAME |
|---------------------------------------------------------------------------|----------------------------------------------------------------------|---------|------------------------|
| Hiring a grant writer for OS funding | Pursue more grant funding | | Short-term |
| Cultivating community stewards | Delegating monitoring to local community stakeholders | | Short-mid term |
| Organizing social/cultural (fund raising) events with non-profit partners | Generating discretionary income and public outreach | | Mid-long term |
| Establishing a "Friends of Lamy OS" | Generating discretionary income and public outreach | | Mid-long term |
| Collaboration with non-profit entities for co-management activities | Sharing the burden with organized stakeholders | | Mid-long term |
| Voter-approved Revenue Initiatives | Providing a dedicated annual revenue stream for OS, Parks and Trails | | Mid-long-term |
| Establishing an NGO for overarching support to OS property management | Sharing the burden with organized stakeholders | | Long-term |



LAMY OPEN SPACE + PARK APPENDICES (*Separate Document*)

- APPENDIX A: Overview of Management Activities Matrix for Lamy Open Space + Park
- APPENDIX B: Mowing Best Management Practice for Lamy Park
- APPENDIX C: Santa Fe County Open Space Management, Terrain Units Descriptions for Lamy Open Space + Park; Lamy, NM
- APPENDIX D: Community Stewardship Opportunities.
- APPENDIX E: Clark Property Species List, by Cindy and Jack Clark
- APPENDIX F: Abstract Of An Archaeological Survey Of Lamy Open Space + Park, Santa Fe County, New Mexico

