

NMCRIS INVESTIGATION ABSTRACT FORM

1. NMCRIS Activity No. 104286	2. Agency NMSHPO	3. Agency Report No.
4. Title of Report: Results of a Cultural Resources Review for the City of Farmington MS4 Application. Author(s): Steven Dye and Meredith Matthews		5. Type of Report: <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive

6. Investigation Type:

Research Design
 Survey/Inventory
 Test Excavation
 Excavation
 Collections/Non-Field Study
 Overview/Lit Review
 Monitoring
 Other:

7. Description of Undertaking: The City of Farmington is applying for a MS4 permit and requested a review of documented cultural properties within storm water discharge outfalls. Project consisted of a records review, no field work	8. Dates of Investigation 2/1/07- 3/22/07
9. Report Date: 3/23/07	

10. Performing Agency/Consultant: San Juan College CRMP Principal Investigator: Meredith Matthews Field Supervisor: Steven Dye Field Personnel Names:	11. Client/Customer Project No.:
12. Performing Agency/Consultant Report No.: 2007-SJC-007	

13. Client/Customer Name: City of Farmington, Department of Community Development Contact: Nicca Westerling Address: 800 Municipal Drive, Farmington, NM 87401 Phone (505) 327-7701	14. Applicable Cultural Resource Permit No (s). NM-07-015-S
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15. Land Status:	Owner Status	Acres Surveyed	Acres in APE
Owner Name	(State, Federal, Tribal, Private)		
TOTALS			N/A

16. Records Search(es):

Date(s) of ARMS File Review: 2/2/07 **Name of Reviewer(s):** Steven Dye
Date(s) of Other Agency File Review: : 3/1/07 **Agency name:** BLM **Name of Reviewer(s):** Steven Dye
Date(s) of NWSR check: 3/21/07 **Name of Reviewer(s):** Meredith Matthews
 See report and oversized map.

17. Survey Data

a. Source Graphics: NAD 27 NAD 83
 USGS 7.5' (1:24,000) topo map Other Topo map, Scale:
 GPS Unit Accuracy: <1.0m <1-10m <10-100m >100m

b. USGS 7.5' Map Name	USGS Quad Code
Farmington North, NM 1979	36108-G2
Farmington South, NM 1979	36108-F2

c. County (ies): San Juan

17. Survey Data (cont.)

d. Nearest City or Town: Farmington

e (1). Legal Description: N/A

e (2). Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):

18. Survey Field Methods Narrative:

19. Intensity: 100% coverage <100% coverage

Configuration: block survey units linear survey units (l x w):

other survey units (specify):

Scope: X non-selective (all sites recorded) selective/thematic (selected sites recorded)

Coverage Method: systematic pedestrian coverage other method (describe).

Survey Interval (m): Crew Size: Fieldwork Dates

Survey Person Hour: Recording Person Hours: Total Hours: N/A

19. Environmental Setting (NRCS soil designation; vegetative community: elevation; etc.): N/A

a. Condition of Survey area (grazed, bladed, undisturbed, etc.):

b. Percent Ground Visibility:

21. CULTURAL RESOURCE FINDINGS: Yes, See Page Three No, Discuss Why: NA

22. Required Attachments:

- USGS 7.5 (1:24,000) topo map with sites, I.O.'s, and survey area clearly drawn
- Copy of Mapserver Map Check
- LA Site Record Forms
- Historic Cultural Property Inventory Forms
- List and Description of IO's, if applicable
- List and Description of Collections, if applicable

23. Other Attachments:

- Photographs and Log
- Other Attachments Report, over sized map

23. I certify the information provided above is correct and accurate and meets all applicable agency standards.

Principal Investigator/Responsible Archaeologist: Meredith Matthews

Title (if not PI):

Signature: Meredith Matthews

Date: March 23, 2007

24. Reviewing Agency:

Reviewer's Initials/Date

Accepted () Rejected ()

Tribal Consultation (if applicable): Yes No

25. SHPO Reviewer's Initials/Date

HPO Log # _____

Date sent to ARMS: _____

Cultural Resources Management Program

San Juan College

**RESULTS OF A CULTURAL RESOURCES REVIEW FOR THE
CITY OF FARMINGTON MS4 APPLICATION**

**BY
STEVEN DYE AND MEREDITH MATTHEWS**



**REPORT 2007-SJC-007
MARCH 23, 2007**

**Results of a Cultural Resources Review for the
City of Farmington MS4 Application**

**Prepared by:
Steven Dye and Meredith Matthews**

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Co-Directors
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**Submitted to:
New Mexico State Historic Preservation Office
Department of Cultural Affairs
Bataan Memorial Building
407 Galisteo Street, Suite 236
Santa Fe, New Mexico 87501**

**Prepared for:
City of Farmington
Department of Community Development
800 Municipal Drive
Farmington, New Mexico 87401**

**Report 2007-SJC-007
NMCRIS Activity No. 104286
State of New Mexico General Permit #NM-07-015-S
March 23,2007**

INTRODUCTION

A cultural resources records review was conducted between February 1 and March 22, 2007 by San Juan College Cultural Resources Management Program (SJC-CRMP) for the City of Farmington (COF) to determine if cultural properties that are presently on the State and/or National Register of Historic Properties or cultural properties that are eligible for listing on the National Register are within the COF storm drain and discharge system, and consequently susceptible to impacts from storm water discharge/outfall. Identification of such cultural properties will allow the COF to devise measures to mitigate the potential adverse impact to the properties from storm water discharge

A master map of all sites recorded to date within the City of Farmington municipal boundaries was developed by Steven Dye, SJC-CRMP Supervisory Archaeologist, using boundary information provided by the COF and overlaying site location information provided by the State of New Mexico Archaeological Resource Management System (ARMS). This oversized map is a companion document to this summary. Locations of the outfalls of COF storm water discharge were identified by Nicca Westerling, Engineer for the COF Department of Community Development, and Elizabeth McNally of Animas Environmental Services. Based on this information, four sites were identified within or adjacent to discharge outfalls that could be potentially impacted. These sites are briefly described below.

SITES NEAR STORM WATER DISCHARGE OUTFALLS

Site LA 68213/Farmers Mutual Ditch

Recorded segments of the Farmers Mutual Ditch are in Sections 16, 17 and 18 (T29N, R13W) and in the southwest section of Farmington. The original documentation for the ditch noted a construction date of 1920 (Rayl 1988), but during later documentation of a different segment, a local resident stated that construction was initiated in 1875 (Matthews 2005). Regardless, the ditch is more than 50 years old. The Farmers Mutual Ditch is still a functioning irrigation ditch that is predominately dirt lined, but with numerous modifications of concrete supports, metal pipe culverts, updated head gates and so forth. The historic records of the ditch are actually more valuable than the ditch as a physical entity because of the impacts/modifications to the ditch over time. There is no determination of eligibility on record for site LA 68213/Farmers Mutual Ditch by the State Historic Preservation Office (SHPO).

Site LA 99157

Site LA 99757 is in Section 16 (T29N, R13W), in the southern part of Farmington near Boyd Park. As documented (Pino 1992), the site consists of an abandoned gauging station. In addition, two sections of a nearby wood-post fence were also documented. The gauging station consisted of a fenced metal platform on the south side of the Animas River with a metal cable extending north across the river. The site was built sometime after 1952 and used to gage the depth of the river, but at the time of documentation was no longer used. The site was determined to be an ineligible cultural property by the SHPO in 1993.

Site LA 115032/Echo Ditch

The Echo Ditch is also known as the Farmington Echo Ditch and Farmington-Allen Ditch. Three portions of the ditch have been documented in Section 19 (T29N, R12W) and Section 24 (T29N, R13W), in the south central area of Farmington, adjacent to the Animas River. The initial construction date for the irrigation ditch is sometime in the late 1890s. The Echo Ditch is a functioning ditch that has been heavily modified. The first segment of the Echo Ditch documented was determined to be an ineligible cultural property by the SHPO in 2004. However, there is no determination of eligibility by SHPO on record for the subsequent documentation of the other two segments of this ditch. As with the Farmers Mutual Ditch, the historic records would provide more information and are of more historic value than the actual ditch.

Site LA 137433/Denver & Rio Grande Western Railroad Grade

A short segment of the Denver & Rio Grande Western Railroad grade has been documented in Section 31 (T30N, R12W), in the east-southeast area of Farmington. The railroad grade was built in 1905 and abandoned by the railroad company in 1968 (Moore 2002). The portion documented had been heavily impacted by construction activities and did not retain structural integrity. The portion recorded was recommended ineligible for nomination to the National Register, but there is no record of determination by the SHPO.

Site LA 137434/Star Ditch

The portion of the Star Ditch that has been documented is just north of the above mentioned railroad grade and is in Section 31 (T30N, R12W), in the east-southeast area of Farmington. The initial construction date for the ditch system is 1877 and the original ditch was about 5 mi long (Moore 2002). The ditch was potentially taken out of use for irrigation about 1959, abandoned by the ditch company in 1960, and was officially abandoned by the COF in late 1980s or early 1990s. The segment of the ditch documented had been modified and partially converted to an underground storm drain system. The portion recorded was recommended ineligible for nomination to the National Register, but there is no record of determination by the SHPO.

SUMMARY AND MANAGEMENT RECOMMENDATIONS

Based on the review of the available cultural resources records, there are no cultural properties on the State or National Registers, nor any cultural properties eligible for listing on the National Register that are within identified COF storm water discharge outfalls. Nonetheless, four sites that have either been determined ineligible for listing on the registers or have no SHPO determination on record have been identified that are within or adjacent to COF storm water discharge outfalls. Site LA 99157 has been determined ineligible for nomination to the National Register of Historic Places (NRHP) and therefore should require no further work or protection. The remaining three sites include a railroad grade (LA 137433) that has been almost completely destroyed by development and three historic ditches. Two of these ditches, the Farmers Mutual Ditch (LA 68213) and Echo Ditch (LA 115032) are still functioning irrigation ditches. The Star Ditch (LA 737434) has been abandoned. The documentation of the ditches represents only segments of each ditch, not the entire system. In all cases, however, the segments documented do not appear to have significant value as physical entities. Rather, their value is in the archival records of each system. For the most part, if the ditches are still in use they have been modified quite a bit with the addition of concrete sides, piping, modified head gates, etc., as a means of maintaining the ditches. Based on the information provided by ARMS, a determination of eligibility has not been made for either the Farmers Mutual Ditch or the Star Ditch and for two of three sections documented of the Echo Ditch. One section of the Echo Ditch, however, has been determined ineligible for listing on the National Register.

At present the COF does not pipe/drain storm water into any of the ditches described above, although sheet flow water does enter the Farmers Mutual Ditch naturally. Until a determination of eligibility can be provided by SHPO, it is recommended that the COF continue to avoid draining storm water into these ditches. Furthermore, to ensure that previously unidentified cultural properties are not impacted, it is recommended that the COF ensure that a cultural resources inventory be conducted at the proposed locations of any new drainage control structures.

REFERENCES CITED

Matthews, M.

2005 *A Cultural Resources Inventory of the City of Farmington Fire Station #6 and Future City Park Located Near the La Plata River, San Juan County, New Mexico.* San Juan College CRMP Rept. 2005-SJC-237. On file, New Mexico State Historic Preservation Office, Division of Cultural Affairs, Santa Fe.

Moore, R. A.

2002 *A Cultural Resources Survey of the Proposed Animas River Bridge and Pinon Hills Boulevard Extension, Farmington, San Juan County, New Mexico.* Moore Anthropological Research, TR 2002-10 On file, New Mexico State Historic Preservation Office, Division of Cultural Affairs, Santa Fe.

Pino, G.

1992 *An Archaeological Survey for a Bridge Replacement in Farmington, San Juan County, New Mexico* Navajo Nation Archaeology Department Rept. 92-477. On file, New Mexico State Historic Preservation Office, Division of Cultural Affairs, Santa Fe.

Rayl, S. L.

1988 *Cultural Resources Inventory Farmers Mutual Ditch heading, San Juan River, and Eledge (Mill) Ditch Heading, Animas River, Near Aztec and Farmington, San Juan County, New Mexico.* U.S Army Corps of Engineers, Report COE 88-01 Albuquerque District. On file, New Mexico State Historic Preservation Office, Division of Cultural Affairs, Santa Fe.