City of Santa Fe

Agenda

ARCHAEOLOGICAL REVIEW COMMITTEE HEARING
THURSDAY, May 13, 2015 at 4:30 PM
HISTORIC PRESERVATION CONFERENCE ROOM
CITY HALL - 200 LINCOLN AVENUE, SANTA FE, NM

A.   CALL TO ORDER

B.   ROLL CALL

C.   APPROVAL OF AGENDA

D.   APPROVAL OF MINUTES: April 2, 2015
                                          April 16, 2015

E.   MATTERS FROM THE FLOOR

F.   ACTION ITEMS
   1) Case #AR-11-15. Historic Downtown Archaeological Review District. Archaeological Monitoring Report of Phases I and II of the Downtown Systems Improvement Project. Office of Archaeological Studies for Public Service Company of New Mexico. (Lisa Roach)
   2) Case AR-12-15. Suburban Archaeological Review District. Archaeological Reconnaissance Report for 48.1 acres at 455 St. Michael's Drive. Stephen Post for Christus St. Vincent Regional Medical Center. (Lisa Roach)
   3) Case AR-13-15. River and Trails Archaeological Review District. Archaeological Reconnaissance Report for 2.2 acres at 2759 and 2751 Agua Fria Road. Stephen Townsend for James Siebert on behalf of Leroy Romero. (Lisa Roach)
   4) Case AR-14-15. River and Trails Archaeological Review District. Reconnaissance Report for 4.3 acres at 3952 San Felipe Road. Jemez Mountains Research Center for Praxis Architects on behalf of Southwestern College. (Lisa Roach)

G.   DISCUSSION ITEMS
   1) Case AR-10-15. Historic Downtown / River and Trails Archaeological Review District. New Mexico Department of Transportation Categorical Exclusion Documentation for Santa Fe River Trail Connections Improvements within Phase 1. Gerry Raymond / Criterion Environmental for the City of Santa Fe. (Lisa Roach)
   2) Case AR-20-14. Suburban Archaeological Review District. Addendum to Archaeological Reconnaissance of 13.33 acres for the new Flow Trail at La Tierra Trails. Stephen Post for the City of Santa Fe. (Lisa Roach)

H.   MATTERS FROM THE COMMITTEE

I.   ADMINISTRATIVE MATTERS AND COMMUNICATIONS
   1) Presentation of Archaeology Awards at Santa Fe Heritage Preservation Awards Ceremony

J.   ADJOURNMENT

Persons with disabilities in need of accommodations, contact the City Clerk's office at 955-6520 five (5) working days prior to date.

ITEM	ACTION	PAGE

MINUTES OF THE
CITY OF SANTA FE
ARCHAEOLOGICAL REVIEW COMMITTEE HEARING
City Councilors Conference Room
May 13, 2015

A.   CALL TO ORDER

The Archaeological Review Committee Hearing was called to order by David Eck, Chair, at approximately 4:30 p.m., on May 13, 2015, in the Historic Preservation Conference Room, City Hall, Santa Fe, New Mexico.

B.   ROLL CALL

Members Present
David Eck, Chair
Tess Monahan, Vice-Chair
Gary Funkhouser
James Edward Ivey

Members Excused
Derek Pierce

Others Present
Zachary Shandler, Assistant City Attorney
Lisa Roach, Senior Planner
Wetherbee Dorshow, Earth Analytic, President
Elizabeth Martin for Melessia Helberg, Stenographer

NOTE: All items in the Committee packet for all agenda items are incorporated herewith to these minutes by reference, and the original Committee packet is on file in, and may be obtained from, the City of Santa Fe Historic Preservation Division.

C.   APPROVAL OF AGENDA

MOTION: Gary Funkhouser moved, seconded by Tess Monahan, to approve the Agenda as presented.

VOTE: The motion was approved unanimously on a voice vote.

D.   APPROVAL OF MINUTES – APRIL 2, 2015 AND APRIL 16, 2015

The following corrections were made to the minutes of April 2, 2015:

Page 6, paragraph 1, line 2, correct as follows: "....producing ~~ETM~~ UTM coordinates."
Page 7, paragraph 3, correct as follows: "...has ~~noting~~ nothing to..."
Page 7, paragraph 7, line 3, correct as follows: "drawn" not "draw."

MOTION: Tess Monahan moved, seconded by Gary Funkhouser, to approve the minutes of the meeting of April 2, 2015, as amended.

VOTE: The motion was approved unanimously on a voice vote.

The following corrections were made to the minutes of April 16, 2015:

Page 11, Paragraph 3, correct as follows: "Roach" not "Road."
Page 13, Paragraph 4, correct as follows: "happening" not "happing."

MOTION: Gary Funkhouser moved, seconded by Tess Monahan, to approve the minutes of the meeting of April 16, 2015, as amended.

VOTE: The motion was approved unanimously on a voice vote.

E.   MATTERS FROM THE FLOOR

A copy of a *Historic Downtown Archaeological Review District Cultural Resources Geodatabase Project Work Plan*, dated April 15, 2015, prepared by Kimberly Kearns, Earth Analytic, Inc., is incorporated herewith to these minutes as Exhibit "1."

Ms. Roach introduced Wetherbee Dorshow, Earth Analytic, President, to give an update on the Geodatabase project.

Mr. Dorshow reviewed the information in Exhibit "1." Please see Exhibit "1" for specifics of this presentation. Mr. Dorshow said they've taken a good look at what's out there, how long it takes to do various things, and they feel like they have a good plan moving forward for a system that is sort of contemporary, that's going to work, as the software seeking to be developed, so people can use them and we can share data with ARMS easily as well as with archaeologists.

Comments were and questions as follows:

–   Gerry Raymond asked if it is going to be strictly an archeological database or if they are going to integrate the built environment wholly into the data base, like all of the contributing buildings in the Historic District, or is that too much legacy data to cover.

Mr. Dorshow said, "It is going to have a number of spacial entities and it's not totally nailed down as to what we will not include, we know it will be a placeholder for, say a building, and parcels and management units and variety of things. We're not just storing archaeological sites, we're trying to store the location where testing occurred, how deep those deposits might have been. And, even if we can't push all the data in there, we'll have the placeholders, so you can kind of look and you can see the areas where work was done, was it a linear project, and try to get back at the level of the coverage and the basic of were sites found. If sites were found, how can I easily link to the LA forms so that I can get that information."

Ms. Roach said we are focusing on the subsurface archaeology, rather than [inaudible].

- Mr. Raymond said the legacy data at ARMS is now fighting that battle where they did not integrate those environments, and now they're trying to integrate the built environment, but that has resulted in difficulties because they have to integrate two separate data bases. He said in the City of Santa Fe it would be a huge undertaking to include the built environment.

- Steve Townsend said you would be duplicating effort, noting HPD is doing that actively now with the built environment, and ultimately it will also include the built environment in Santa Fe. He said, "I'm thinking, why should two people do it. Only one should and just import the data.

- Mr. Raymond said, "However, Santa Fe County is going to be one of the last counties to be entered."

Mr. Dorshow said, "As long as we have the placeholders, and know what the theme is of that data base you're talking about, we would be keen on preparing for that. Because what we don't want to do is to import a second copy of the same data, right. But If we had some blank templates, where say an archaeologist is doing a project, and there is certain data we already know and there's dropdowns that already exist, and fields that already exist. If they populate there then some of that could drop right into the ARMS system, is part of what we're hoping. But we're not going to store all that, we really just want to try to link to.... once we know there's a site, where we know where is a structure or historic building that is of importance that ARMS is already tracking in their data base, we're not going to build that into this. Derrick met with us a couple of times, and we didn't really talk about the built environment and it's not a big focus of what we originally have to do, but that's good to be aware of, because I think we should..."

- Mr. Raymond said by you just saying that you could put placeholders in there, when Santa Fe is done, it would really just be a download of that [inaudible] from ARMS.

Mr. Dorshow said, "That is part of the trick here, is like how do we make it so you are not entering twice, and that there is a system of record for sites and things. It's still going to be ARMS, but we'll have the scanned LA form as a link that will pop up in this management data base, but it's going to focus on some additional attributes that won't get into super detail about features, for example. It will be, what are the components, are there features, are there burials, and then, if so, where would I go to find that information.

Steve Post asked if they will have a little bit of information on all of the downtown Historic District projects, such as management information like a clip on where the project is buried *[inaudible]* and the types of things we discussed that are for management.

[Two people talking at the same time here so no transcription was possible]

Mr. Dorshow said, "Yes. What we're hoping is that some of these are already, there's 305 case records in the data base that we've already started with, and then there's some things from Linda Tigges, there's 5 or 6 different data sets that we're hoping... this is digital data that I'm saying that we should be able to have a pretty representative record of every major project in the last.... I mean maybe not in the very beginning, it might no go back that far. A data base that Cherie put together and some others, I have all that stuff so that we at least have something in the shell from as many places as possible without physically spreading ourselves thin by trying to go through 500 case files and only maybe get 3 new pieces of information out of it."

Mr. Post said, "But you'll probably have the first case, like whatever that was, 87-01, at least in the record."

Mr. Dorshow said, "Absolutely. I mean that would be a goal to have everyone that you have a case number for, so there'll be a few items in the data base."

Ms. Roach said they had a great working group of archaeologists and others, and felt it was a really productive discussion and gave us a lot of insight as to how to direct the project from here. She said that was a good starting point and they are now working through some of the technical issues, and it's great that we got additional money to digitize some of the records and link those to the Geodatabase. She thinks that will be very helpful.

Mr. Dorshow said, "We are going to bring on another archeologist at a lower rate too, that will help populate that, but he's done a lot of work, Courtney Landy, and so Ms. Roach will be able to help with the extra money to crank through as many as possible. And it's her choice as to where we might run into trouble."

Ms. Roach said what is also nice about this is that it is setting up the process for getting the other two Districts into this, which we hope will be the next phase of this. And maybe an additional phase beyond that would be having it be web accessible.

Mr. Dorshow said it is designed and structured so as to be easily expanded to any region you want to, all of the districts, like you said. And then also when we go to the web, the structure of the data base and the way we're building it should be amenable to that as well, and it wouldn't be like starting over again by that location. It's a good data base that drives the rest of the design.

Jessica Badner said they are writing up a project that was never registered at ARMS. She asked if you have any way to mark legacy data that may be discovered during an operation.

Mr. Dorshow said he thinks they are prepared to do that, because they're relying on a NMCRIS number or an LA number or an ARC number. There will be placeholders where you can put in something that should have an LA number, for example.

[Two people talking at the same time so no transcription was possible]

Mr. Dorshow said they hadn't thought about that specific case, but they thought about what if there are multiple components, but we don't know where they distributed across the site. We want to try to track that without getting too much into the minutiae.

Chair Eck thanked Mr. Dorshow for his presentation.

Mr. Dorshow said they are still in the design stage and they are looking for input.

F.   ACTION ITEMS

1)   <u>CASE #AR-11-15.</u> HISTORIC DOWNTOWN ARCHAEOLOGICAL REVIEW DISTRICT. ARCHAEOLOGICAL MONITORING REPORT OF PHASES I AND II OF THE DOWNTOWN SYSTEMS IMPROVEMENT PROJECT. OFFICE OF ARCHAEOLOGICAL STUDIES FOR PUBLIC SERVICE COMPANY OF NEW MEXICO. (LISA ROACH)

BACKGROUND & SUMMARY

At the request of the Public Service Company of New Mexico (PNM), the Office of Archaeological Studies undertook archaeological. Monitoring of a series of trenches totaling 2,323 linear feet (Phase I) and 823 linear feet (Phase II) in the Historic Downtown Archaeological Review District. An archaeological monitoring plan was submitted to the State Historic Preservation Office and approved on October 25, 2011. Archaeological monitoring took place between January and May of 2012. Phase I excavations occurred along East Palace Avenue, Cienega Street and Otero Street, and Phase II included excavations along Bishop's Lodge Road, Paseo de Peralta and a switch gear location in the north parking lot of the Scottish Rite Temple. Four features/sites were documented (three in Phase I and one in Phase II), all of which may be considered eligible or inclusion on the National and State Registers. The current submittal is a preliminary report of the results of those excavations and is not intended to be a complete final report, which will incorporate results of all phases of the Downtown Systems Improvement Project (expected in April 2016).

STAFF RECOMMENDATION:

Staff recommends approval of the preliminary monitoring report, as it meets the intent of the City of Santa Fe Archaeological Review District Ordinance (14-5.3) the requirements of Archaeological Clearance Permits (14-3.13(B)(4(a) and is a satisfactory alternative to the requirements of performing reconnaissance (14-3.13(C)(4).

Chair Eck thanked Ms. Roach for the Staff Report and asked if she has anything further to add.

Ms. Roach said she was unable to locate the monitoring plan for this project in our records, which could be a problem with the quality of our record keeping. She said it is included at the beginning of the materials in packet. She said there is a letter from Michelle Ensey approving this monitoring plan, so she believes it was approved.

Ms. Badner said the only thing she has to add is that by the time she got it, the report had been written by Steve Lentz, reviewed by Robert Della Russo and submitted to the client. She said the report you see here is the result of "thinking years back, phased excavation for PNM, with the understanding that *[inaudible]*, meaning that this is a true preliminary report, and seen as a section of a larger more grand report that will be submitted at a later date." She said in Figure 4 LA 174246 in blue. She said she realizes this does not show up very well, and the *[inaudible]* are actually located about the middle of the rest of the data for *[inaudible]* and continue half the sidewalk where it intersects, and probably to the corner of the building area. And it is actually mapped but blue does not show up well. She said the red is a map where the actual profiles were recorded.

Jake Ivey, Gary Funkhouser, Tess Monahan and Chair Eck said they had no comment.

Chair Eck thanked Ms. Badner for bringing everything to a semblance of completion, and hopefully she will be the one to write up the grand report.

Ms. Badner said she has been told it will be 2016.

Responding to Mr. Funkhouser, Chair Eck said the motion should indicate we are happy with it and willing to accept it as a preliminary report, and pass it to SHPO.

MOTION: Gary Funkhouser moved, seconded by Tess Monahan, with respect to Case #AR-11-15, to approve the Archaeological Monitoring Report of Phases I and II of the Downtown Systems Improvement Project, requested by Office of Archaeological Studies for Public Service Company of New Mexico, as meeting the intent of the City of Santa Fe Archaeological Review District Ordinance (14-5.3), the requirements of Archaeological Clearance Permits (14-3.13(B)(4(a), is a satisfactory alternative to the requirements of performing reconnaissance (14-3.13(C)(4), and to forward a copy of the report and notice of this approval to the New Mexico Historic Preservation Division, as per NMAC 4.10.7.

DISCUSSION: Ms. Roach asked if preliminary approval is conditioned on the submission of a final report.

Chair Eck said he would think that would be implicit.

Ms. Roach asked if it needs to be explicit.

Mr. Funkhouser said the approval is conditioned that the final report will be forthcoming.

VOTE: The motion was approved unanimously on a voice vote.

2)   CASE #AR-12-15. SUBURBAN ARCHAEOLOGICAL REVIEW DISTRICT.
      ARCHAEOLOGICAL RECONNAISSANCE REPORT FOR 48.1 ACRES AT 455 ST.
      MICHAEL'S DRIVE, STEPHEN POST FOR CHRISTUS ST. VINCENT REGIONAL
      MEDICAL CENTER (LISA ROACH)

BACKGROUND & SUMMARY

At the request of David Aube of the Design Group of Albuquerque and Mary Huie, AIA, of WHR Architects
on behalf of Christus St. Vincent Regional Medical Center, Stephen Post conducted an archaeological and
archival study of the 48.1 acre campus of Christus St. Vincent Regional Medical Center at 455 St.
Michael's Drive in the Suburban Archaeological Review District. The study identified three isolated
occurrences, including three flaked stone artifacts dating to the late Archaic to Classic periods and five
sanitary seam foodstuff cans dating to the twentieth century. The IOs were field recorded and located on a
USGS map, exhausting their data potential. No further investigation is recommended.

STAFF RECOMMENDATION:

Staff recommends approval of the archaeological reconnaissance report, as it meets the intent of the City
of Santa Fe Archaeological Review District Ordinance (14-5.3) the requirements of Archaeological
Clearance Permits (14-3.13(B)(3)(a) and the requirements of performing Reconnaissance (14-3.13(C)(5).

        Chair Eck thanked Ms. Roach for the Staff Report and asked if she has anything to add, and Ms.
Roach said she has nothing to add.

        Steven Post said the archival research was what he expected to be the most interesting and also
the most challenging, and it was. He was happy and horrified at the same time, that it tied in to other
research he had been doing the last two years regarding Spanish land grants and transfers of lands in
south and southeast Santa Fe in the 1800s and into the 1900s, and here as late as 1940 when the State
Supreme Court ruled in favor of Santa Fe Holding Company, and the Stern Company regarding their
claims to the Juan Cayetano Lobato Grant in the neighborhood from Coronado Lane, west of Old Pecos
Trail to St. Michael's drive of today, so it was a very large and important area of the development of south
Santa Fe.

MOTION: Gary Funkhouser moved, seconded by Tess Monahan, with respect to Case #AR-12-15,
approve the Archaeological Reconnaissance Report for 48.1 acres at 455 St. Michael's Drive, as
requested by Stephen Post for Christus St. Vincent Regional Medical Center, as it meets the intent of the
City of Santa Fe Archaeological Review District Ordinance (14-5.3) the requirements of Archaeological
Clearance Permits (14-3.13(B)(3)(a) and the requirements of performing Reconnaissance (14-3.13(C)(5)

VOTE: The motion was approved unanimously on a voice vote.

3)   **CASE #AR-13-15. RIVER AND TRAILS ARCHAEOLOGICAL REVIEW DISTRICT. ARCHAEOLOGICAL RECONNAISSANCE REPORT FOR 2.2 ACRES AT 2749 AND 2751 AGUA FRIA ROAD. STEPHEN TOWNSEND FOR JAMES SIEBERT ON BEHALF OF LEROY ROMERO. (LISA ROACH)**

BACKGROUND & SUMMARY

At the request of James Siebert & Associates, on behalf of Leroy Romero, Stephen Townsend conducted archaeological and archival research on a 2.2 acre parcel at 2749 and 2751 agua fria road. The visual survey resulted in the identification of two historic cultural properties (HCPI) 38476 and HCPI 38477) due to the unique nature of the standing architecture on the property. No archaeologically or historically significant resources were identified, and no further investigation is recommended.

STAFF RECOMMENDATION:

Staff recommends approval of the archaeological reconnaissance report, as it meets the intent of the City of Santa Fe Archaeological Review District Ordinance (14-5.3), the requirements of Archaeological Clearance Permits (14-3.13(B)(2)(a) and the requirements of performing Reconnaissance (14-3.13(C)(5).

Chair Eck thanked Ms. Roach for the Staff Report and asked if she has further comment.

Ms. Roach noted that in the case caption on the Agenda, the address is incorrect, and it should be 2749 and 2751.

Stephen Townsend apologized for the typos in the Report, noting he has a problem with his word processing spell check. He said you might recognize the work, because the last time he was here he was two parcels down the road, and the Rivera folks are connected through the title to this property. He said he knows the City does not routinely use HCPI numbers, but knew it would end up at some point at NMCRIS and in the ARMS system, so he went ahead and assigned the HCPI numbers to the property. He said, "Maybe I should say one other thing, this property is trashed. Nothing found."

Gary Funkhouser

Mr. Funkhouser had no comments.

Jake Ivey

Mr. Ivey said he's so glad they finally got the stucco on the building. He has no further comment.

Tess Monahan

Ms. Monahan said she always wanted to know more about Archie Cat, "I brought a dog in that building a long time ago, so it is nice to have this historical data to go back to."

Chair Eck

Chair Eck said he wouldn't belabor Mr. Townsend with editorial details, and said "feel free to fix it, clean it, and restore it."

MOTION: Gary Funkhouser moved, seconded by Tess Monahan, with respect to Case #AR-13-15, Archaeological Reconnaissance Report for 2.2 acres at 2749 and 2751 Agua Fria Road, requested by Stephen Townsend for James Siebert on behalf of Leroy Romero, as it meets the intent of the City of Santa Fe Archaeological Review District Ordinance (14-5.3) the requirements of Archaeological Clearance Permits (14-3.13(B)(3)(a) and the requirements of performing Reconnaissance (14-3.13(C)(5).

VOTE: The motion was approved unanimously on a voice vote.

4)   **CASE #AR-14-15. RIVER AND TRAILS ARCHAEOLOGICAL REVIEW DISTRICT. RECONNAISSANCE REPORT FOR 4.3 ACRES AT 3952 SAN FELIPE ROAD. JEMEZ MOUNTAINS RESEARCH CENTER FOR PRAXIS ARCHITECTS ON BEHALF OF SOUTHWESTERN COLLEGE. (LISA ROACH)**

BACKGROUND & SUMMARY

At the request of request of Praxis Architects on behalf of Southwestern College, the archaeological consultants undertook archaeological and archival research of a 4.3 acre parcel at 3952 San Felipe Road in advance of construction activities associated with a new counseling center on the property. One site (LA 181543) was previously recorded on the property. This site was the location of the Santa Fe Community School, founded in 1968 and consisting of a large main building surrounded by mobile or modular structures with connecting pathways. As a result of age less than 50 years and substantial impacts o the site during a structural fire and subsequent razing in 2010, the consultants determined that the site is not eligible for listing on the National or State Registers. No other cultural features or materials were identified, and no further investigation is recommended.

STAFF RECOMMENDATION:

Staff recommends approval of the archaeological reconnaissance report, as it meets the intent of the City of Santa Fe Archaeological Review District Ordinance (14-5.3) the requirements of Archaeological Clearance Permits (14-3.13(B)(2)(a) and the requirements of performing Reconnaissance (14-3.13(C)(5).

Chair Eck thanked Ms. Roach for the Staff Report and asked if she has anything to add, and Ms. Roach said she has nothing to add.

Michael Elliott said he has been thinking whether to call it a weed filled trash pit , or a trash filled weed pit. He said it is a few acres of land in far southeast Santa Fe. There used to be a community school there of some fame or notoriety. The major portion burned down, and it was bulldozed. By the time

he was there, there was nothing much left that was recognizable other than a few slabs and some photos of fairly bizarre things that are still scattered about. He said, like Steve said, he really enjoyed the history and the archival work more than the survey itself. He said they weren't sure starting out how they were going to record site IOs, so they figured it had to be a site due to its history. He said, in particular, the Pacheco grant history was strange and interesting. He thought it was a newer Mexican grant, but it actually is quite an old grant from the1700s. He said the piece now noted as the Pacheco Grant is only a small portion of the original Grant. He said all the family, the heirs were able to acquire through the process, was the tiny sliver that was not already under cultivation and use of other families in the area. It took a long time for it to be confirmed, noting it wasn't confirmed in the initial private land claims hearing. He said the family didn't keep it for long after that. He said this is another example of how land grants went wrong in some respects in Territorial Mexico. He said the development of that part of Santa Fe was pretty much a mystery to him. He was interested to learn about the old airport, and wondered about its history, noting he "looked it up and finally figured it out." He learned things even though the survey was not that scintillating.

Mr. Funkhouser, Mr. Ivey and Ms. Monahan had no comment.

Chair Eck since the photo of the well house with graffiti is virtually illegible in our copy, he wonders the graffiti says.

Mr. Elliott said he couldn't read it, but the gang symbol was a tag.

MOTION: Jake Ivey moved, seconded by Gary Funkhouser, with respect to Case #AR-14-15, Archaeological Reconnaissance Report for 4.3 acres at 3952 San Felipe Road, Jemez Mountains Research Center, requested by Praxis Architects on behalf of Southwestern College, as it meets the intent of the City of Santa Fe Archaeological Review District Ordinance (14-5.3) the requirements of Archaeological Clearance Permits (14-3.13(B)(2)(a) and the requirements of performing Reconnaissance (14-3.13(C)(5).

VOTE: The motion was approved unanimously on a voice vote.

G.   DISCUSSION ITEMS

1)   <u>CASE #AR-10-15.</u> HISTORIC DOWNTOWN/RIVER AND TRAILS ARCHAEOLOGICAL REVIEW DISTRICT. NEW MEXICO DEPARTMENT OF TRANSPORTATION CATEGORICAL EXCLUSION DOCUMENTATION FOR SANTA FE RIVER TRAIL CONNECTIONS IMPROVEMENTS WITHIN PHASE . GERRY RAYMOND/CRITERION ENVIRONMENTAL FOR CITY OF SANTA FE. (LISA ROACH)

<u>BACKGROUND & SUMMARY</u>

At the request of request of the City of Santa Fe, Gerry Raymond of Criterion Environmental Consulting, undertook a cultural resource inventory for proposed new connections and other improvements to Phase 1 of the Santa Fe River Trail. The report, "Cultural Resources Survey for Proposed Santa Fe River Trail

Connections, City of Santa Fe, New Mexico," was submitted to the New Mexico Department of Transportation for compliance with federal regulations. The project received a Categorical Exclusion as a result of findings of no adverse effects on cultural and other resources in the project area.

STAFF RECOMMENDATION:

This documentation is presented to the Archaeological Review Committee for informational purposes only, as applications undergoing archaeological review by federal agencies are exempt from the Archaeological Review Districts Ordinance, in accordance with Section (14-3.13(B)(5)(a).

Ms. Roach said this is an informational item only. She said City Code states that cases requiring federal compliance are exempt from City archaeological review procedures, but that this Committee is to be informed when federal compliance has been achieved. She said this is an effort to do that, and to keep better records internally with regard to federal compliance that is happening. She said it will help her to find it, and there will be a similar situation at the next meeting. She assigned it a case number to find it again.

The Committee had no questions.

Gerry Raymond said part of the reason the reporting that gets to the City is erratic, is because there is no clear onus on whom the responsibility rests to get it to the City. He said ARMS gets one copy, and he doesn't think there is an accurate program to copy it and send it on. He said it would be nice to clarify this in the Code rewrite – who is responsible for getting that to the City.

Chair Eck said there should be something in the ordinance that whether or not it is to be reviewed, that one copy needs to come to City to go with the case number. He said frankly this could have been summarized in an email, commenting the City didn't need all of this paper. He said a copy of the report would be useful.

2)   CASE #AR-20-14. SUBURBAN ARCHAEOLOGICAL REVIEW DISTRICT, ADDENDUM TO ARCHAEOLOGICAL RECONNAISSANCE OF 13.33 ACRES FOR THE NEW FLOW TRAIL AT LA TIERRA TRAILS. STEPHEN POST FOR THE CITY OF SANTA FE. (LISA ROACH)

BACKGROUND & SUMMARY

At the ARC hearing on Thursday, April 16, 2015, Steve Post and Rim Rogers came to consult with the Committee regarding modifications to the new planned trail alignment at La Tierra. The survey was conducted for this new "flow trail" in September 2014 and approved by the ARC. During the course of trail construction, the need was identified to modify the trail route in two locations, calling for additional archaeological survey. The ARC allowed the additional survey to proceed, stipulating that an addendum to the previous reconnaissance report would be provided. If no site were found, the ARC allowed staff to

review the report and forward it to SHPO. This was indeed the case, and the attached is the addendum prepared by Steve Post reporting the additional survey for the project. Staff reviewed the addendum and recommended approval, with which NMHPD concurred.

STAFF RECOMMENDATION:

This documentation is presented to the Archaeological Review Committee for informational purposes only.

Ms. Roach said this item was discussed with the Committee as an addendum to a report the committee approved for the flow trail at La Tierra at the April 16, 2015 hearing. She said Tim Rodgers and Steve Post came to this Committee to talk about doing some additional survey for additional connections or modifications to the original trail design. The work was conducted by Steve Post. The Committee allowed the staff to review and approve it if no cultural resources were found to be significant within those areas, which was in fact the case. And she allowed them to proceed with construction on that. This is just an effort to report back to you on the addendum.

Mr. Post said it was an opportunity for me to go back out and see how well we were doing with the site protections prescribed, and advise the Applicant of areas where they could shore it up a bit.

Mr. Funkhouser, Mr. Ivey and Ms. Monahan had no comment.

Chair Eck said, "Thank you. It worked as designed."

H.   MATTERS FROM THE COMMITTEE

There were no matters from the Committee.

I.   ADMINISTRATIVE MATTERS AND COMMUNICATIONS

1)   PRESENTATION OF ARCHAEOLOGY AWARDS AT SANTA FE HERITAGE PRESERVATION AWARDS.

Ms. Roach reminded the Committee of the awards ceremony on Friday, at the Dury Hotel, at 6:00 pm. She understands Mr. Funkhouser will be presenting the award to Ron Winter

Mr. Funkhouser asked for a copy of the nomination letter, and Ms. Roach provided a copy.

Ms. Roach said she wrote an introduction for the presentation of the award to Jessica Badner, which Ms. Monahan will present.

Chair Eck said he won't be able to attend the awards ceremony because he will be in Raton on Friday.

Mr. Funkhouser asked how many times Mr. Winters has received an award.

Ms. Roach said she doesn't know, but it hasn't been in the last 2-3 years, commenting she can find out from David Rasch.

Mr. Funkhouser said he thinks he has received 4 or 5 awards in the past.

2)   CODE REWRITE

Ms. Roach said she and Zachary Shandler met, noting they got a few written comments when they requested feedback on the Code rewrite. She said they have gone through the Code and identified 8 to 10 topic areas around which they will try to structure the subcommittee meetings, commenting she believes we are at a point where we need to schedule subcommittee meetings. She said the Chair and Mr. Pierce are on subcommittee and we can add others in as needed. She said she will be in touch via email to establish a schedule for those meetings. She said Mr. Shandler has been a huge help in bringing some perspective to the Code and how it can be most easily understood.

Chair Eck observed work was done on the Code in 1998, 1999, 2000 and 2001.

Ms. Roach said this has been a continuous process. She is hoping to structure the subcommittee meetings and establish a process for getting it passed.

2)   OTHER

Mr. Funkhouser asked if staff has things ready for next week.

Ms. Roach said yes, and she has packets for the members, noting there are two cases, one of which is consideration for listing on the list of the City's list of approved archaeologists, and the other is an informational item about the Acequia Trail compliance.
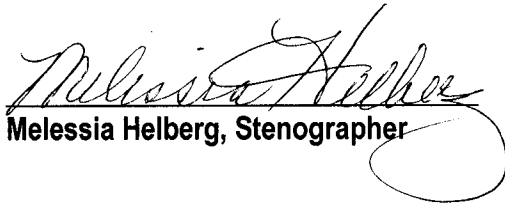
I.   ADJOURNMENT

There was no further business to come before the Committee.

MOTION: Jake Ivey moved, seconded by Gary Funkhouser, to adjourn the meeting.

VOTE: The motion was approved unanimously on a voice vote, and the Committee was adjourned at approximately 5:30 p.m.

David Eck, Chair   04 June 2015

Melessia Helberg, Stenographer

Historic Downtown Archaeological Review District Cultural Resources Geodatabase

Project Work Plan

Drafted For:
City of Santa Fe
Land Use Department / Historic Preservation Division

Drafted By:
Earth Analytic, Inc.

Prepared by:	Kimberly Kearns
Created:	April 7, 2015
Updated:	April 15, 2015

Exhibit "J"

Change/Review History			
Date	Version	Description	Person Responsible
April 7, 2015	0.1	Baseline Document	Kim Kearns
April 14, 2015	1.0	Edits / modifications	Wetherbee Dorshow
April 15, 2015	1.1	Final version sent to Lisa Roach, City of Santa Fe	Kim Kearns

Table of Contents

1 About This Document

1.1 Purpose

This project plan is the top-level controlling document for the 'Historic Downtown Archaeological Review District Cultural Resources Geodatabase' project (HDARD) with the City of Santa Fe, Historic Preservation Division. This project plan defines the framework in which the HDARD project will be executed. It defines the technical and managerial processes required to complete the project and meet the terms and conditions of the contract.

1.2 Target Audience

The intended audience for this document includes the City of Santa Fe and EAI project teams, Project Managers, and Senior Management.

1.3 Authors and Participants

Contributor	Role/Title	E-mail Address	Phone Number
Kimberly Kearns	Project Manager	kim@earthanalytic.com	(206) 427-4422
Wetherbee Dorshow	Senior Program Manager	wdorshow@earthanalytic.com	(505) 660-7119

1.4 Related Documents

Reference materials associated with this document include the following:

Document Name	Date	Document Owner
RFQ-CityofSantaFeHDARDCulturalResourcesDatabase.pdf	12/29/2014	City of Santa Fe
15-0113 Earth Analytic, Inc.pdf	2/27/2015	City of Santa Fe

2 Project Overview

The City of Santa Fe (the City) intends to develop a GIS database to better manage its archaeological resources. The resulting geodatabase and map interface will be used by City staff to more efficiently answer citizen inquiries, more effectively analyze the impact of proposed development projects on archaeological resources, and make better-informed planning decisions within the City's Archaeological Review Districts. It will also allow City-approved archaeologists to more readily access data to better inform their cultural resources investigations within the Districts.

3 Project Team

3.1 Key EAI Resources

Staff	Role/Title	E-mail Address	Phone Number
Wetherbee Dorshow	Senior Project Manager	wdorshow@earthanalytic.com	(505) 349-0407
Kimberly Kearns	Project Manager	kim@earthanalytic.com	(206) 427-4422
Tonya Fallis	Geospatial Analyst	tfallis@earthanalytic.com	(505) 930-6029

3.2 Key City of Santa Fe Resources

Staff	Role/Title	E-mail Address	Phone Number
Lisa Roach	Senior Planner	lgroach@ci.santa-fe.nm.us	(505) 955-6660

4 Project Work Plan

The fundamental objective of this project is to create a new data store and related workflows / tools to facilitate a more streamlined data flow from collection to analysis to central storage. Improving the ability for archaeologists and city planners to easily access relevant and current data will help make the permitting, planning and decision making process more efficient, accurate, and timely.

As this is a Time and Materials based project, EAI will work under the direction of the City on specific tasking and deliverables. The following section describes work plan for the project, based upon the scope defined in the fully executed Statement of Work (15-0113 Earth Analytic, Inc.pdf). However, the City may redefine or revise the scope, provided that changes are approved internally and provided to EAI in writing.

4.1 Task 1: Data Acquisition

Objective: To acquire, review, and compile data regarding cultural resources investigations and archaeological review and clearance permitting within the Historic Downtown Archaeological Review District.

Work Plan: The execution of this task will be completed in 2 steps:
(1) *Refine and clarify requirements*
In order to fully assess the business requirements, digital and analog data inventories, and technical workflows, EAI will work with the City to conduct a meeting of local subject matter experts and archaeologists. This meeting will serve as a means to define, clarify, verify and validate the requirements for a new geodatabase schema as well as the priority data content. The outcomes of this meeting may include:

- Identification of specific data requirements, sources, and currency of relevant City Archaeological Review Cases and associated archaeological investigation areas and archaeological sites
- Definition of the overall approach to data collection, cleansing, manipulation, and entry into the database
- Prioritization of the data that will be included in this current phase
- Discussion about time requirements for investigating AR case file folders.

Following the meeting, EAI will summarize the meeting notes, and share with the City for comment. Based on these comments and the collective understanding of the requirements from the meeting, EAI and the City will agree upon a prioritization of tasks (See Schedule) for this first project. A meeting to between EAI and the City is scheduled for April 16, 2015.

UPDATE: This task is complete. Summary notes have been included in Appendix 1.

(2) *Data discovery and acquisition*

Building on the outcome of the advisory committee meeting, and based EAI staff will focus on documenting the process of collecting, inventorying, and assembling the high priority content. First, we will compile, process and evaluate a variety of available digital datasets, including both spatial and tabular data. This process will support and assessment of what data we already have in a database-ready format and inform on the schema design effort described in the next section.

Second, we will conduct a final assessment of how best to extract important data from the paper case files and how to get it entered into -- or scanned and linked to --the proposed geodatabase. Based on this assessment, we will work with the City to define a standardized workflow for processing case files. The City will assist EAI in gathering information from ARC case files, as well as any other required data sources

UPDATE: This task has been initiated by EAI.

We have conducted a comprehensive assessment of available digital data sources. Based on our initial assessment of these datasets, briefly summarized in Appendix 2, we will be able to avoid the process of going through hundreds of case files by hand just to get the bare minimum spatial and identification attributes for cases and associated sites and areas of investigation.

With the help of Lisa Roach from the City, we also have conducted a rather thorough assessment of what the case files contain, getting some metrics on how long it will take to extract critical information for inclusion in the proposed geodatabase and digital document folder structure. Feedback from the advisory committee on the case file data mining effort indicated given limited funding, better to spend more time on a smaller number files than to try to extract a tiny amount of data for all of the files.

Based on our overall assessment, we strongly suggest that our focus is on maximizing the value of the existing digital data over the "analog" data mining, and to spend most of our time on tasks as outlined in the task schedule. In other words, focus on the geodatabase design, workflow definition and documentation, templates and tools for data exchange and portability, and the interface design. Once the database, file structure, and data processing workflows are

defined, we will train City Staff to populate the database with content they systematically extract or scan from case files. Initially, we will jointly work through as many case files as we can in the agreed upon hours allotted in the schedule for this effort.

We will fine-tune the integrated solution (database, file structure, workflow process documentation) based on lessons learned through initial database population.

4.2   Task 2: Geodatabase Design and Creation

Objective: To design, create, and populate a geodatabase that contains key information related to the city's archaeological data and the overall management, review, and permitting processes. A companion document management system for scanned and linked documents also will be designed and documented.

Work Plan: Once EAI and the City have agreed upon the core content to be included in the geodatabase, EAI will work with the City to define a logical database design that will provide an effective and consistent data store to support the workflows and requirements discussed in the data acquisition meeting. Through an iterative and interactive process that will include a small group of technical stakeholders, EAI will solicit feedback and comments on the draft database design. Once complete, EAI will review the design with the City, and make any mutually agreed upon changes. The design for the geodatabase will take into consideration the lower priority data content, as well as potential future uses and shared interests with other organizations within the City. To support linkages with scanned and other digital documents, we will design a sound file directory structure and set of standards for document management (i.e. naming conventions, document metadata table for including in geodatabase, etc...).

Upon completion of the logical design, EAI will create a physical geodatabase schema that will then be populated in accordance with the description of Task 4.1 above. Similarly, we will load up a set of representative digital documents into the document management system and populate associated metadata records in the geodatabase.

Once the data has been loaded, EAI will conduct a thorough database review to assess accuracy, integrity, and completeness of the database. At this time, EAI will review the new geodatabase with the City to ensure it meets the requirements and needs of the City.

UPDATE. Based on the results of our preliminary assessment and meetings with the City and the advisory committee (see UPDATE notes in section 4.1), the database population effort will begin with the integration of compiled and pre-processed data derived from the digital resources described in Appendix 2.

Subsequently, we will define a set of criteria for prioritizing the first group of AR case files to be "mined" and transcribed into the geodatabase and document management system. Based on initial discussions with project stakeholders, we will likely focus on case files that are relatively recent, contain a full range of data inputs and materials, are associated with reference data from Appendix 2 sources, and that represent an even mix of parcel (private) and linear (public) projects. Based on the selected list of priority case files, we will work through the process of thoroughly populating as many fields in the geodatabase as possible, through transcription. Additionally, we will scan representative and important

documents and load them into the document management system with full metadata attribution in the geodatabase. Given the limited amount of time and money for this case file mining and loading effort, we will focus on generating representative database and document management system content over the attempt to loads as many case files as possible. Also, as described above, we will assure that knowledge transfer and training for City staff occur during this initial analog data loading effort. This way, we can foster an effective process for getting case file data loaded up effectively and thoroughly. We hope to leverage the City staff's matching time on this grant-funded project to maximize the amount of case file data that can be loaded properly during and after the completion of this initial project. Should the City obtain additional funding to support ongoing project phases, we will likely suggest that EAI provides one or more lower level technicians with archaeological experience to support the ongoing database population effort.

4.3   Task 3: GIS Interface Design

Objective: To work with the City to design an appropriate and effective GIS interface within which to display and query data from the HDARD cultural resources geodatabase.

Work Plan: EAI will work with the City to understand the typical management workflows and desired look-and-feel for a desktop-based GIS Interface that will provide an easy and efficient method for City staff to visualize, review, query, load, and edit the archeological data that exist within the new geodatabase. This GIS interface will be comprised of an ArcGIS ArcMap document that has been preconfigured to include the relevant data, symbolization, print layout, and data query, and loading tools. EAI will work with the City to establish how these tools should be build and designed so that they provide useful aids to the City staff's daily data management workflows as they relate to the archaeological data in the HDARD database. These may include, but are not limited to:

- Query tools (such as 'Search by Feature' or 'Search by ID')
- Data Loading tools for archaeologist (to a staging location for the City to review)
- Data loading/exchange tools for NMCRIS
- Review and Push to Production Database

EAI will create, configure, and support the City deploy the GIS Interface and the associated tools, and will provide training and technical transfer, based on budget availability. If additional funding becomes available, we will spend additional time on the GIS interface design, focusing on enhancing tools for data exchange with NMCRIS and archaeological contractors.

5   Schedule

5.1   Project Milestones

The following table represents a summary of the key activities and deliverables to be completed, the estimated timeframe, and the associated Milestones. EAI understands that the project **must be completed no later than September 1st, 2015.**

5.2 Project Schedule

EAI considers the detailed schedule an integral part of the project management plan. EAI will use SmartSheet to communicate the schedule to the City and EAI project teams. A high-level summary of the project timelines is shown in the image below.

	Mar	Apr	May	June	July	Aug	Sept
Data Acquisition & Planning	Complete						
Geodatabase Creation & Data Load							
GDB Creation							
Digital Data Acquisition							
Digital / Spatial Data Load							
GIS Interface Design & Creation							
Map Layout Design							
Map Creation							
Basic Workflow/Tool Creation							
Analog Data Acquisition & Loading						Time & Budget Permitting	
Technical Transfer							

The detailed project schedule will be available to the City project team at the following link.

https://app.smartsheet.com/b/publish?EQBCT=8805e43d116f4f5f9b95346ed973fce5

The EAI project manager will use the detailed schedule to assign work and track the completion status of work. EAI team members as well as the City (for customer tasks) will be expected to provide status of their assigned activities as input to status reports and during status meetings. The EAI project manager will use these inputs to update the schedule with the actual start and completion dates of each activity and the hours of work completed.

6 Project Completion

As this project is based on Time and Materials contracting terms, the project is deemed 'complete' when the allocated budget has been exhausted. EAI will work to the best of their ability towards completing the specific tasks outlined in the Scope of Work in the most time efficient manner possible. All work will be completed under the direction of the City's project manager. Once the budget has been met, work will stop unless additional funding is identified.

Completion Criteria:
The services in the Scope of Work are deemed complete when the expended budget reaches **$42,632** (inclusive of applicable New Mexico Gross Receipt taxes).

7   Appendix 1

Summary City of Santa Fe HDARD Archaeology Advisory Workgroup Notes
March 26, 2015
Drafted by: Tonya Fallis

GOALS:
- ARC Review Committee needs targeted insights into what is significant in project vicinity.
- GDB should tie into City's need to create official research design for standardized cultural/historic context to support "smarter" archaeology and reduce redundancy.
- GDB must coincide with requirements of City's archaeological ordinance.
- Get City archaeological data into NMCRIS (cross-referenced data, AR numbers linked to NMCRIS activities), and vice versa (NMCRIS and LA numbers linked to ARs). Avoid redundancy between databases. Establish data transfer exchange workflows between City & NMCRIS using standard Esri export/import tools.

USER INTERFACE:
- Need easy query tool for researchers unfamiliar with technology: standard data lookup lists and easily understood map templates with reference layers that can be turned on and off.
- Query layers: AR locations, easements, (note: LA numbers and surveys can be added through NMCRIS WMS service)
- Reference layers: parcels, street outlines, archaeological research districts, plats
- Basemaps: aerial & Esri StreetMap
- Web app (accessible from outside City offices) will probably not be included in initial phase.

DATA:
Critical attribute fields:
- AR number (Primary Key)
- Subsurface Deposits: presence (Y/N), condition (Disturbed/Undisturbed), Min Depth, Max Depth, Sterile Level
- Sites: (Y/N), structures, features, components
- Presence of human re mains
- Location of subsurface testing and type of test activity (trench, test pit, auger hole)
- NMCRIS & LA numbers
- Parcel ID
- Address
- Nature of undertaking,
- Committee actions: date, decision, clearance or CPE issued
- Related AR files

Critical spatial data:
- AR project locations (entire parcel, ROW, or partial parcel [rare])
- Easements (acquire from City's DB, plat map search, or consult archaeological contractors)
- Site boundaries: need to define this. Add site boundary definition as lookup table for layer (parcel? extends beyond parcel? trench/pit only?)
- Location of subsurface testing and type of test activity (trench, test pit, auger hole) (less critical but build GDB to support)

Ancillary Scanned data:
- Ideally, all of file (LR). Minimally, city clearance form(s), all or part of report (if scan entire report, send copy to ARMS)
- Include metadata on spatial and attribute accuracy and precision (data sources for spatial data).
- Single field to represent level of confidence based on data completeness. (JB) Or decide on significant fields & include in standard report and as popup in ID window.
- Add geomorphological layers and historic city maps to enhance understanding of likely subsurface deposits based on settlement patterns throughout time. (DS)
- Don't ignore prehistoric deposits (presence and likelihood of), particularly along the River. (DP)
- If including Sanborn & other historic maps (like White's map of grants), be aware of dereferencing problems and set standards to assess historic map accuracy. (JB)
- FOR ALL ATTRIBUTE & SPATIAL DATA: Consult with archaeological contractors for any digital-ready data, particularly spatial data on easements, site boundaries or locations of subsurface testing.
- When creating GDB, keep needs of other archaeological districts in mind when constructing schema (fields, other spatial layers, etc.) Example: locations of historic cemeteries, acequias

DATA ENTRY METHODS:
Case file "data mining": There are approximately 750 case files for entire city and 450 for HDARD.
- Two approaches: "high-level" review of all files, scanning only minimal info, or "deep level" scan of everything in folder. Possible middle ground: scan clearance form and entire report. Need time estimates on this.

IDEAS FOR FUTURE RESEARCH:
Create subsurface "heat map" of city estimating potential of intact and disturbed cultural deposits. Using ArcGIS Online, have archaeological & historic experts draw in their ideas of city settlement patterns through time, and where cultural deposits are to be expected. Compare experts' estimates with actual data from testing/excavation reports.

RELEVANT DATA:
Approx. 750 AR case files.
Approx. 450 HDARD case files.
NMCRIS: 186 LA's in HDARD.
NMCRIS: 91 archaeological surveys in HDARD
NMCRIS: 621 archaeological reports with CSF as Lead Agency, almost all dating after 1986 (when ordinance was written). 403 of these are surveys.

MEETING ATTENDEES:
Jessica Badner, Archaeologist, OAS
David Barsanti, GIS Analyst, City of Santa Fe (also Archaeologist)
Glenda Deyloff, Archaeologist, Southwest Archaeological Consultants (Retired)
Wetherbee Dorshow, CEO & Senior GIS Analyst, Earth Analytic (HDARD Project Lead)
Tonya Fallis, GIS Analyst & Archaeologist, Earth Analytic (HDARD Project Analyst)
Derek Pierce, Program Manager, ARMS, Archaeological Review Committee Member
Steve Post, Archaeologist
David Reynolds, Archaeologist, PNM
Lisa Roach, City Planner, City of Santa Fe Historic Preservation Division (HDARD Project City Lead)
Cordelia Snow, Archaeologist, ARMS, Santa Fe Historian & Archaeologist

8 Appendix 2

Digital Records Available for City of Santa Fe HDARD Project

ARC Case Database (Single table in Access DB created & maintained by Lisa Roach), 2015
305 ARC Case records, some duplicates, only 88 records for HDARD, around 100 unidentified to District. 49 HDARD records contain addresses that may be used to link ARC Case to parcel. Limited data in record comments to help track down easements.
PROS: Accurate, mostly recent records (2009-present). Contains report description/author for cross-checking with NMCRIS and easement information.
CONS: Lots of missing data (addresses, district). No NMCRIS or LA cross-referenced numbers

City Archeo Archive Street Alpha index_1995-2006, XLS (created by Linda Tigges around 2006)
225 records, 96 for HDARD, contains addresses for almost every ARC Case, easement information (Y/N), and NMCRIS and/or LA numbers for approximately 75% of HDARD cases.
PROS: Lots of addresses, easement locations, & cross-referenced NMCRIS numbers
CONS: Spans only 1995-2006

Shapefile of AR Locations and City Ordinance Report by Nancy Hanks (1996)
PDF report is overview of AR case files and sites located in city up to 1996. Shapefile contains locations of AR cases that are cross-referenced in report using index numbers (shapefile does not contain AR Case numbers as attributes).
PROS: Actual shapes linked to AR numbers.
CONS: Requires manual cross-referencing against report using index numbers. Nothing more recent than 1996.

NMCRIS Data (SHP, DBF & GDB), 2015
Complete data dump of all NMCRIS activity & site data to present.
PROS: Current & accurate. Includes detailed site info (date, cultural affiliation, subsurface deposits); and full bibliographic reference for over 600 City-led projects, locations for recorded sites & surveys.
CONS: Much incomplete & missing data, many City records not received by ARMS. Very few cross-references to AR case numbers; site locations very general (large circles); no AR locations unless occasional ROW survey overlaps with AR case.
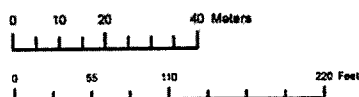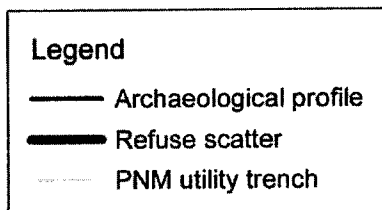
Database of ARC Cases Maintained by Cherie Sheick (SHP, XLS)
Unknown if we have permission to use this data.
Shapefile & tables privately constructed by local archaeologists of HDARD Cases. Heavy record duplication. Approximately 85 individual AR cases referenced. Includes extensive data on cultural affiliation, features, & subsurface deposits.
PROS: Location information, detailed archaeological data.
CONS: Permission to use uncertain, would require extensive data cleanup; heavy record duplication and AR Case numbers missing on most entries.

Legend

─────── Archaeological profile

━━━━━ Refuse scatter

⋯⋯⋯ PNM utility trench

0   10   20   40 Meters

0   55   110   220 Feet

N

PNM Monitoring Phase 2: Scottish Rite Cathedral and Paseo de Peralta

Fig. 4. PNM Monitoring, Phase II.

Legend

- PNM utility trench
- LA 174243 Sanitary sewer
- Refuse pit
- Archaeological profile

0　　　37.5　　　75　　　　　　　　150　Meters

0　　120　　240　　　　　480　Feet

Figure 3. PNM Monitoring Phase 1: Palace Avenue,
Paseo de Peralta, Otero Street, Cienega Street and
Armijo Street.

N