Archaeological Monitoring Plan for Site 21WA10 and Unanticipated Discovery Plan  
Afton Flood Protection and Sanitary Sewer Improvements  
Afton, Washington County, Minnesota

I. Introduction
The proposed Afton Flood Protection and Sanitary Sewer Improvements Project ("the Project") is located within Sections 14, 22, and 23 of Township 28 North, Range 20 West, Washington County, Minnesota. Most of the Project is located in the City of Afton.

Review of the Project under Section 106 of the National Historic Preservation Act (NHPA) was required because of Federal funding provided by the Minnesota Pollution Control Agency (MPCA) and a Federal permit to be provided by the U.S. Army Corps of Engineers (USACE). As a result, the MPCA and the USACE initiated consultation under Section 106 of the NHPA as regulated by 36 CFR Part 800. Cultural Resources reviews of the relevant portions of the Project were completed by Merjent, with additional studies regarding mound site 21WA10 completed by the Mississippi Valley Archaeological Center. Continued cultural resources reviews were completed by Blondo Consulting, LLC and included an architectural review of the entire Project and addition Phase I and II review of the Rattlesnake Mound site 21WA10. As part of the Phase II review, LiDAR review and Geophysical Survey was completed by Archeo-Physics, LLC. This Plan is created as part of the City's obligation under section 5.21.86 of its State Disposal System (SDS) permit, Permit No. MN0070599, that excavations done in the vicinity of archaeological site 21WA10 be monitored by an archaeologist.

This Plan is divided into two sections. Part II ("Archeological Monitoring Plan for Site 21WA10") will outline the construction oversight that will occur within site 21WA10, the Rattlesnake Mound group. Part III ("Unanticipated Discovery Plan for Remainder of the Project") will govern oversight over all other aspects of the Project. This Plan will be submitted to the Office of the State Archeologist and Minnesota Indian Affairs Council.

II. Archeological Monitoring Plan for Site 21WA10

Per the SDS permit, the Archaeological Consultant will be on site during any and all construction activities within the vicinity of site 21WA10, the Rattlesnake Mound group. This includes the National Register of Historic Places eligible Rattlesnake Effigy Mound, as well as any mounds originally mapped by T.H. Lewis in 1883 (see attached map). A Tribal Monitor coordinated through the Minnesota Indian Affairs Council will be invited to join the Archaeological Consultant on site.

A. Human Remains/Possible Burial Sites
Within this Archaeological Monitoring Plan, “possible burial sites” are defined as areas that show evidence of a high probability of the presence or former presence of human remains
including burial, cremation, or otherwise. This evidence may include a defined burial pit or grave shaft outline, coffin fragments, or bone that is undetermined to be human or animal. In the event that human remains or burial sites are identified during the construction for this proposed project by the Archaeological Consultant or Tribal Monitor:

1. All activity will immediately cease in the vicinity of the discovery. Should initial assessment by the Archaeological Consultant and Tribal Monitor, if present, reveal a strong suspicion or confirmation of the area as a possible burial site, construction shall cease and no excavation will be conducted by the Archaeological Consultant or Tribal Monitor prior to completing the following steps:

   a) Measures will be taken to protect the discovery (by flagging or fencing off a buffer that is at least 50 feet around the area to signify it as a protected zone), but in a way that will not cause additional harm to the remains or their context (including soils, or coffin) within which they were found.

   b) The Archaeological Consultant will immediately notify the local law enforcement who will be able to determine if the possible burial site/human remains are associated with a crime scene and/or are a recent event (less than 50 years old):

   Contact: William M. Hutton, Washington County Sherriff
   Phone Number: 651-430-7601 (administration office)
   651-439-9381 (non-emergency)
   Address: Washington County Sherriff's Office
   Law Enforcement Center
   15015 62nd Street North
   PO Box 3801
   Stillwater, MN 55082

   If the area is determined to be associated with a crime scene and/or are less than 50 years old, further action will fall under the local law enforcement jurisdiction.

   c) If the area is not determined to be associated with a crime scene and are 50 years old or older, the Contract Archaeologist will immediately notify the State Archaeologist following clearance from the local law enforcement agency. The State Archaeologist will authenticate the human remains/possible burial site, which will determine the presence of or high possibility of human remains or human burials located in a discrete area, boundaries will be delimited around the burial or grave site, and an attempt will be made to determine the ethnic, cultural, or religious affiliation of the individuals:
d) If the human remains/burial site are determined to be Native American, the State Archaeologist will initiate consultation with the Minnesota Indian Affairs Council (MIAC) and other tribal representatives to determine the appropriate measures for the treatment of the remains. The lead tribe and/or the MIAC will assist with the repatriation and re-internment of human remains.

e) If the burial site/human remains are determined to be non-Native American, or their ancestry cannot be determined, then the appropriate measures for their treatment will be the responsibility of the State Archaeologist.

f) In all cases, the Archaeological Consultant will notify the MPCA and USACE of the discovery.

B. Archaeological Resources
Within this Archaeological Monitoring Plan, “archaeological resources” are defined as intact subsurface artifacts, features (such as trash pits, privy pits, hearths), and structural remains (such as foundation walls) 50 years old or older. If archaeological resources are identified during the construction for this proposed project by the Archaeological Consultant and Tribal Monitor, if present:

1. All activity will immediately cease in the vicinity of the discovery and measures will be taken to protect the discovery (by flagging or fencing off a buffer that is at least 50 feet around the area to signify it as a protected zone), but in a way that will not cause additional harm to the area. The Archaeological Consultant will complete a preliminary assessment of the discovery.

   a) If the Archaeological Consultant determines that the discovery is less than 50 years old, he or she will notify Ron Moore, City Administrator, that construction may continue at:

      Phone Number: 651-436-8957
      Address: 3033 St. Croix Trail S
2. If the Archaeological Consultant determines the discovery is 50 years old or older, he or she will notify Mr. Moorse, who will direct the Archaeological Consultant to conduct a more detailed examination of the discovery. If it is determined that the discovery lacks significance or integrity (e.g. it is not intact), the Archaeological Consultant will notify Mr. Moorse that construction may continue and will submit a letter report documenting the discovery via the MPCA and the USACE to the Minnesota Historic Preservation Office (MnHPO).

Name: Sarah Beimers, Manager Government Programs and Compliance  
Phone Number: 651-259-3456  
Address: Minnesota Historic Preservation Office  
345 Kellogg Boulevard West  
St. Paul MN 55102

and the State Archaeologist:

Name: Amanda Gronhovd, State Archaeologist  
Phone Number: 651-725-2411  
Address: Office of the State Archaeologist  
Fort Snelling History Center  
200 Tower Avenue  
St. Paul, MN 55111

3. If the Archaeological Consultant finds that the discovery appears to retain integrity and is potentially significant:

a) Mr. Moorse will notify MnHPO, the State Archaeologist, the MPCA, and the USACE of the discovery, and will notify any additional interested parties as directed by the above parties.

b) If continued construction activities will not avoid impacting the discovery, Mr. Moorse and the Archaeological Consultant will consult with the MnHPO, the State Archaeologist, the MPCA and the USACE on-site, if possible, to obtain recommendations for the appropriate treatment of the discovery. These may include:

i. Phase II testing and National Register of Historic Places eligibility evaluation.
ii. Preparation and implementation of a data recovery plan (such as mitigation efforts).

iii. Completion of a report that documents the findings and recommendations.

c) When the treatment measures are completed, Mr. Moorse will consult with MnHPO, the State Archaeologist, the MPCA and the USACE to determine a need for further treatment measures, or if none are required, to obtain approval for the continuation of construction.

III. Unanticipated Discovery Plan for the Remainder of the Project

The City of Afton and its contractors will remain cognizant of the need to be aware of the possibility that remains may be uncovered while undertaking the remaining, non-Mound-related portions of the Project. Because there has been no specifically identified human remains or archeological resources identified as part of the archeological analysis of these other areas, however, the City will satisfy its oversight responsibilities for those sections in a manner that differs from that to be employed in Site 21WA10. The City will implement the following approach in these other Project areas, in order to comply with federal and state regulations such as the NHPA, the Native American Graves Protection and Repatriation Act (NAGPRA), the Minnesota Field Archaeology Act (Minn. Stat. § 138.31-138.42), and the Minnesota Private Cemeteries Act (Minn. Stat. § 307.08).

A. Human Remains/Possible Burial Sites

1. Within this Unanticipated Discovery Plan, “possible burial sites” are defined as areas that show evidence of a high probability of the presence or former presence of human remains including burial, cremation, or otherwise. This evidence may include a defined burial pit or grave shaft outline, coffin fragments, or bone that is undetermined to be human or animal. In the event that human remains or burial sites are discovered during the construction for this proposed project:

   a. The Contractor will immediately cease all activity in the vicinity of the discovery. Measures will be taken by the Contractor to protect the discovery (by flagging or fencing off a buffer that is at least 50 feet around the area to signify it as a protected zone), but in a way that will not cause additional harm to the remains or their context (including soils, or coffin) within which they were found.

   b. The Contractor will immediately notify Ron Moorse, City Administrator:
      Name: Ron Moorse, City Administrator
      Phone Number: 651-436-8957
2. Mr. Moorse will contact the Archaeological Consultant in the case of a possible burial site for his professional assessment of the exposed evidence:

   Name: Steven J. Blondo, MA  
   Phone Number: 218-485-1174  
   Address: 3939 Sand Hill Road  
             Kettle River, MN 55757

Should the assessment reveal a strong suspicion or confirmation of the area as a possible burial site, no excavation will be conducted by the Archaeological Consultant prior to completing the following steps and all parties are in agreement:

   a) Moorse will immediately notify the local law enforcement who will be able to determine if the possible burial site/ human remains are associated with a crime scene and/or are a recent event (less than 50 years old):

      Contact: William M. Hutton, Washington County Sherriff  
      Phone Number: 651-430-7601 (administration office)  
                   651-439-9381 (non-emergency)  
      Address: Washington County Sherriff's Office  
                 Law Enforcement Center  
                 15015 62nd Street North  
                 PO Box 3801  
                 Stillwater, MN 55082

      If the area is determined to be associated with a crime scene and/or are less than 50 years old, further action will fall under the local law enforcement jurisdiction.

   b) If the area is not determined to be associated with a crime scene and are 50 years old or older, Mr. Moorse will immediately notify the State Archaeologist following clearance from the local law enforcement agency. The State Archaeologist will authenticate the human remains/possible burial site, which will determine the presence of or high possibility of human remains or human burials located in a discrete area, boundaries will be delimited around the burial or grave site, and an attempt will be made to determine the ethnic, cultural, or religious affiliation of the individuals:
c) If the human remains/burial site are determined to be Native American, the State Archaeologist will initiate consultation with the Minnesota Indian Affairs Council (MIAC) and other tribal representatives to determine the appropriate measures for the treatment of the remains. The lead tribe and/or the MIAC will assist with the repatriation and re-internment of human remains.

d) If the burial site/human remains are determined to be non-Native American, or their ancestry cannot be determined, then the appropriate measures for their treatment will be the responsibility of the State Archaeologist.

e) In all cases, Mr. Moorse will notify the MPCA and the USACE of the discovery.

B. Archaeological Resources
Within this Unanticipated Discovery Plan, “archaeological resources” are defined as intact subsurface artifacts, features (such as trash pits, privy pits, hearths), and structural remains (such as foundation walls) 50 years old or older. If archaeological resources are encountered during construction of the proposed project:

1. The Contractor will immediately cease all activity in the area of the discovery. Measures will be taken by the Contractor to protect the discovery (by flagging or fencing off a buffer that is at least 50 feet around the area to signify it as a protected zone), but in a way that will not cause additional harm to the remains or the context within which they were found.

2. The Contractor will immediately notify Ron Moorse, City Administrator:
   Name: Ron Moorse, City Administrator
   Phone Number: 651-436-8957
   Address: 3033 St. Croix Trail S
            PO Box 219
            Afton, MN 55001
3. Mr. Moorse will contact the Archaeological Consultant who will conduct a preliminary assessment of the area:

Name: Steven J. Blondo, MA  
Phone Number: 218-485-1174  
Address: 3939 Sand Hill Road  
Kettle River, MN 55757

4. If the Archaeological Consultant determines that the discovery is less than 50 years old, he or she will notify Mr. Moorse that construction may continue.

5. If the Archaeological Consultant determines the discovery is 50 years old or older, he or she will notify Mr. Moorse, who will direct the Archaeological Consultant to conduct a more detailed examination of the discovery. If it is determined that the discovery lacks significance or integrity (e.g., it is not intact), the Archaeological Consultant will notify Mr. Moorse that construction may continue and will submit a letter report documenting the discovery via the MPCA to the Minnesota Historic Preservation Office (MnHPO).

Name: Sarah Beimers, Manager Government Programs and Compliance  
Phone Number: 651-259-3456  
Address: Minnesota Historic Preservation Office  
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and the State Archaeologist:

Name: Amanda Gronhovd, State Archaeologist  
Phone Number: 651-725-2411  
Address: Office of the State Archaeologist  
Fort Snelling History Center  
200 Tower Avenue  
St. Paul, MN 55111

6. If the Archaeological Consultant finds that the discovery appears to retain integrity and is potentially significant:

a) Mr. Moorse will notify MnHPO, the State Archaeologist, the MPCA, and the USACE of the discovery, and will notify any additional interested parties as directed by the above parties.
b) If continued construction activities will not avoid impacting the discovery, Mr. Moorse and the Archaeological Consultant will consult with the MnHPO, the State Archaeologist, the MPCA, and the USACE on-site if possible, to obtain recommendations for the appropriate treatment of the discovery. These may include:

i. Phase II testing and *National Register of Historic Places* eligibility evaluation.

ii. Preparation and implementation of a data recovery plan (such as mitigation efforts).

iii. Completion of a report that documents the findings and recommendations.

c) When the treatment measures are completed, Mr. Moorse will consult with MnHPO, the State Archaeologist, the MPCA, and the USACE to determine a need for further treatment measures, or if none are required, to obtain approval for the continuation of construction.