

National Aeronautics and Space Administration

Ames Research Center
Moffett Field, California 94035



September 7, 2022

Julianne Polanco
State Historic Preservation Officer
Office of Historic Preservation Department of Parks & Recreation
1725 23rd Street, Suite 100
Sacramento, CA 85816

Attn: Mark A. Beason

Subject: Section 106 Consultation for the Building N200 Fire Protection and Asbestos Abatement Project, NASA Ames Research Center, Moffett Field, Santa Clara County, California

Dear Ms. Polanco:

The National Aeronautics and Space Administration (NASA) Ames Research Center (ARC) requests initiation of consultation under Section 106 of the National Historic Preservation Act of 1966 (54 United States Code §306108), as amended, for the Building N200 Fire Protection and Asbestos Abatement Project (project or undertaking) at the NASA Ames Research Park at NASA ARC, Moffett Field, Santa Clara County, California. NASA ARC has determined that this project constitutes an undertaking under Section 106.

In support of its responsibilities under Section 106, NASA ARC retained AECOM Technical Services, Inc. to conduct a technical study for this project. The study was conducted by cultural resources professionals who meet the Secretary of the Interior's Professional Qualifications Standards (48 Federal Register 44738). Enclosed for your review is a Section 106 Technical Memorandum, dated September 7, 2022, which includes detailed descriptions of the undertaking, the Area of Potential Effects (APE), identification efforts, and the affected historic properties, and concludes with an assessment of potential effects resulting from the undertaking, summarized below.

Description of the Undertaking

The project scope of work includes interior asbestos abatement and interior and exterior fire protection in Building N200.

Interior asbestos abatement will occur in the hallway/corridor and Rooms 104, 108, 117, and 121 on the first floor, and in the hallway/corridor, stairway landings, and Room 204 on the second floor. The existing ceilings will be removed and all asbestos debris, piping insulation, or lagging in the spaces above will be abated. Most ceilings are T-bar suspended ceilings with non-

asbestos-containing 12-inch x 12-inch acoustical lay-in ceiling tiles, with the exception of the break room, which features a hard ceiling. After asbestos abatement, new non asbestos piping insulation and new, T-bar suspended ceilings will be installed in all areas. Approximately 3,595 square feet (SF) of ceiling will be removed, including approximately 1,400 SF in the first-floor hallway/ corridor and Rooms 104, 108, and 117; 400 SF in Room 121; 60 SF in the first-floor break room; 1,600 SF in the second-floor hallway/corridor and Room 204; and 135 SF in Room 204.

Interior fire protection will consist of a new, wet pipe, automatic fire sprinkler system with an addressable fire alarm/mass notification system installed in the basement and first and second floor areas. The fire sprinkler system will be suspended from the new ceiling.

Exterior fire protection will occur on the exterior wall of Building N200 and in an adjacent area northeast of the building. This work includes connection to the underground water supply, installation of a reduced pressure backflow preventor, a fire department connection with associated piping/valves, and an exterior wet pipe fire protection riser with a main shut off valve, check valve, and flow switch. The full-height wet pipe fire protection riser will be installed on the west end of the building's north elevation, next to a non-historic exterior elevator and a non-historic external metal staircase. The reduced pressure backflow preventor and associated appurtenances will be installed approximately 50 feet from the northeast corner of Building N200 behind a driveway curb. The project will install a 6-inch waterline buried 54 inches below grade.

Area of Potential Effects

The APE is defined to address both direct and indirect impacts on known and potential historic properties and encompasses areas that may be affected by both temporary and permanent construction activities (see Figure 3 in Appendix A of the attachment). The APE is within the preliminary boundaries of the proposed National Advisory Committee for Aeronautics Ames Historic District (NACA District) NACA District and accounts for potential indirect effects on the district but does not include the entire district due to the project's scale. Above-ground exterior improvements, which include installation of reduced pressure backflow preventor and an exterior wet pipe fire protection riser, are unlikely to have indirect visual, audible, or atmospheric impacts on historic properties beyond Building N200's immediate surroundings. Therefore, the APE is limited to the project site. The vertical APE extends to a maximum depth of approximately 54 inches below grade to install the 6-inch waterline.

Affected Historic Properties

The APE overlaps the proposed NACA District, which NASA has determined eligible for the National Register of Historic Properties (NRHP), and contains Building N200 (Administration Building), which is individually listed in the NRHP and is a potential contributor to the NACA District. These historic properties are described in the attachment.

Effects Assessment

The Criteria of Adverse Effect were applied to assess the undertaking's potential effects on the historic properties in the APE, including Building N200 and the NACA District. The significance of these historic properties is associated with research and development, important researchers, and a unified Streamline Moderne-style campus design. This assessment of effects

found that the project is consistent with the Secretary of the Interior's Standards for Rehabilitation. Interior alterations will not affect any significant, character-defining features of Building N200. Direct effects on the exterior cement plaster, a character-defining feature of Building N200, is so minor that it would not diminish the integrity of Building N200's materials or workmanship, or any other aspect of integrity. Therefore, this minor alteration would not result in an adverse effect on Building N200. While the reduced pressure backflow preventor and exterior wet pipe fire protection riser will be visible within the NACA District, these small-scale, life-safety requirements would create a negligible visual intrusion on Building N200, the NACA District, and the setting of the building or the district. Those elements will not diminish the integrity of Building N200 or the NACA District. Therefore, the project would not result in an adverse effect on Building N200 or the NACA District, as a whole. Furthermore, no archaeological resources, which may qualify as historic properties, are known to exist in the APE and there is a low potential for unanticipated archaeological resources within the APE. Therefore, the proposed undertaking would have no adverse effects on historic properties per 36 CFR § 800.5(b).

Finding of Effect

Based on the assessment conducted by qualified cultural resources professionals, NASA ARC has made a finding that the undertaking will result in No Adverse Effect.

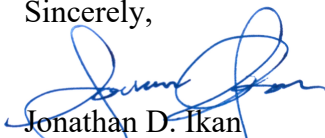
Consultation Efforts

NASA ARC has not identified additional consulting parties for this Section 106 review but is making these findings available to the public via the NASA ARC Historic Preservation Office website (<https://historicproperties.arc.nasa.gov/section106.html>).

NASA ARC requests the State Historic Preservation Officer's concurrence on NASA's finding of No Adverse Effect for this undertaking pursuant to 36 CFR 800.5(b). Please provide a response within 30 days of receipt of this letter, as specified in 36 CFR 800.5(c).

Please feel free to contact me at Jonathan.D.Ikan@nasa.gov or (650) 604-6859 if you have any questions regarding this matter.

Sincerely,



Jonathan D. Ikan
Cultural Resources Manager NASA Ames Research Center
Historic Preservation Office, MS 213-8 Moffett Field, California 94035-0001 (650) 604-6859
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Cc:

Ms. Rebecca Klein, NASA Deputy FPO Environmental Management Division NASA Headquarters
300 E Street, SW Washington, DC 20546-0001

Enclosure: *Section 106 Technical Memorandum for the Building N200 Fire Protection and Asbestos Abatement Project*. Prepared by AECOM, dated September 7, 2022.