National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
2101 NASA Parkway
Houston, Texas 77058-3696

September 26, 2025

Reply to Attn of: JE-25-068

Mr. Brad Patterson
State Historic Preservation Office
Texas Historical Commission
P.O. Box 12276
Austin, TX 78711-2276

Subject: Initiation of Section 106 Consultation Project Review
Demolition of Six Buildings at Ellington Field to Offset ALOF Construction

Dear Mr. Patterson:

The National Aeronautics and Space Administration (NASA), Lyndon B. Johnson Space Center (JSC) is proposing to demolish five outdated, inefficient buildings at Ellington Field to offset construction of the new Aviation Logistics and Operations Facility (ALOF). The Project is located on Federal Property administered by NASA JSC and, as such, has been determined to be a Federal undertaking subject to consultation under Section 106. Please see the attached enclosures for additional information. JSC is proposing a determination of "Adverse Effect" for this project. JSC welcomes your comments on this project and the proposed determination.

If you have any questions or need additional information, please contact me at 346-686-5332 or by email at jennifer.l.morrison@nasa.gov.

Sincerely,
Jennifer Morrison
Digitally signed by Jennifer Morrison
Date: 2025.09.24 17:13:21 -05'00'
Jeni Morrison
JSC Cultural Resources Manager
JSC Environmental Management Office

Enclosures:
1. Project Description
2. Site Map and Proposed Project Area
3. Demolition Plan
4. APE Viewshed Analysis Photos

cc:
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Historic Preservation Project Reviewer
Federal and State Review Program
Division of Architecture
Texas Historical Commission
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Ms. Emily Dylla
Program Coordinator
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bcc:
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JE/J. Adams
JM/T. Guiao
JM/J. White
JM/C. Noel
JP/P. Bennett
JP/R. Zamfir
JP/N. Patel
HQ/R. Klein
NA050/S. Johnson

CONCUR	**CODE >**	**JE/JH**				
	INITIALS >	JPH Digitally signed by JPH Date: 2025.09.29 09:48:29 -05'00'				
	DATE >					

ENCLOSURE 1
Project Description

Project Description

The JSC Master Plan includes a redevelopment strategy to replace aging buildings in poor condition with new, sustainable, efficient buildings and infrastructure with improved working environments, better functional relationships, and reduced operating costs. As part of this plan, JSC is consolidating multiple existing structures into one modern, energy-efficient facility on its tract at Ellington Field (EF). The facility, called the Aviation Logistics and Operations Facility (ALOF), will provide approximately 52,000 square feet of combined warehouse and office space to improve the longevity of sensitive components, boost operational efficiency, and lessen safety and security issues related to the warehouse and office areas located in multiple buildings at EF. The ALOF construction and associated demolition of three World War II-era buildings were previously consulted. As a result, the Memorandum of Agreement (MOA) Between the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, and the Texas State Historic Preservation Officer Regarding Demolition of Three World War II Buildings at NASA Johnson Space Center (JSC) Ellington Airport Harris County, Texas, was executed.

To comply with federal mandates to reduce overall footprint and lessen environmental impacts, JSC will demolish several additional outdated, inefficient buildings to offset the increase in land development from the new ALOF construction. These include E265, E266, E267, E270, and E273, for a total of approximately 45,561 square feet. Demolition will include off-site removal of building materials, electrical service and utility disconnection, removal of utilities back to the nearest manhole or main, removal of structures to a minimum depth of five feet below grade, backfilling to meet the surrounding grades and maintain positive drainage, and cutting and capping any existing utilities servicing the facilities. Paved area will be demolished as indicated in the Demolition Plan (Enclosure 3) and backfilled to meet the surrounding grade and maintain positive drainage. A new security fence will be installed per NASA standards on the property line along Brantly Avenue. The area will be returned to green space with native vegetation.

E265 (Supply and Maintenance Warehouse) is located due south of Building E266 in the southern portion of NASA Tract 1 and was constructed beginning in 1940 when Ellington Field was reactivated for pilot training to support World War II efforts, then transferred to NASA in 1982. E265 is eligible for listing on the NRHP under Criterion A (significant historic events) and Criterion C (engineering, i.e. historic materials characteristic of a type, period, or method of construction). The interior layout and materials have undergone several changes since construction, though the building retains its original wood floor, external wood framed walls, and wood loading dock.

E266 (Warehouse) is located due north of Building E265 in the southern portion of NASA Tract 1 and was constructed beginning in 1940 to support World War II efforts, then transferred to NASA in 1982. E266 is eligible for listing on the NRHP under Criterion A and Criterion C. The interior layout and materials have undergone several changes since construction, though the building retains its original external wood floor, wood framed walls, and wood loading dock.

E267 (Maintenance Support Facility) is located due west of Building E273 in the central portion of NASA Tract 1 and was constructed beginning in 1940 to support World War II efforts, then transferred to NASA in 1982. E267 is eligible for listing on the NRHP under Criterion A and Criterion C. The interior layout and materials have undergone several changes since construction, though the building retains its original external wood floor, wood framed walls, wood ceiling support beams, and wood loading dock.

E270 (Supply and Maintenance Warehouse) is located due east of Building E265 in the central portion of NASA Tract 1 and was constructed beginning in 1940 to support World War II efforts, then transferred to NASA in 1982. E270 is eligible for listing on the NRHP under Criterion A and Criterion C. The interior layout and materials have undergone several changes since construction, though the building retains its original external wood floor, wood framed walls, wood ceiling support beams, and wood loading dock.

E273 (Multipurpose Support Facility) is located in the central portion of NASA Tract 1 due east of Building E267 and was constructed beginning in 1940 to support World War II efforts, then transferred to NASA in 1982. E273 is eligible for listing on the NRHP under Criterion A and Criterion C. The interior layout and materials have undergone several changes since construction, though the building retains its original external wood floor, wood framed walls, wood ceiling support beams, and wood loading dock.

The buildings to be demolished lie within the National Register of Historic Places (NRHP)-eligible JSC Historic District and within the viewshed of eligible buildings E135 and E380 and, as such, NASA JSC will undertake efforts to reduce and mitigate potential adverse effects to historic properties in the identified Area of Potential Effect (APE).

E135 (Maintenance Hangar) is located in the southern portion of NASA Tract 1 due north of Building E131 and was constructed beginning in 1940 to support World War II efforts. E135 is eligible for listing on the NRHP under Criterion A, Criterion B (historically significant individuals associated with the building), and Criterion C. The buildings to be demolished are visible from the north and west façades of E135.

E380 (Warehouse, Supply, and Maintenance Facility) is located in the central portion of NASA Tract 1 due north of Building E267 and was constructed beginning in 1940 to support World War II efforts, then transferred to NASA in 1982. E380 is eligible for listing on the NRHP under Criterion A and Criterion C. Two of the buildings to be demolished, E267 and E273, are visible from the south façade of E380.

Photos were taken from historic buildings located in the identified visual APE to better demonstrate potential impacts to the current viewshed in the JSC Historic District (Enclosure 4). Two of the buildings to be demolished, E267 and E273, are minimally visible from building E380 and would not pose an adverse effect due to the security fencing and buildings that adequately suppress views in the direction of the proposed demolition. The remaining buildings to be demolished cannot be seen from E380. However, while three of the buildings to be demolished—E266, E267, and E273—are minimally visible from E135, two buildings

proposed for demolition, E265 and E270, are fully visible at ground level from E135. Buildings E150, E260, E261, E271, E272, E276, E277, E278, E279, and E280 are also within the visual APE but are ineligible and were excluded from analysis. Based on a visual analysis of the photos included in Enclosure 4, the demolition project will have an adverse effect on historic properties and the JSC Historic District in the indirect (visual) APE.

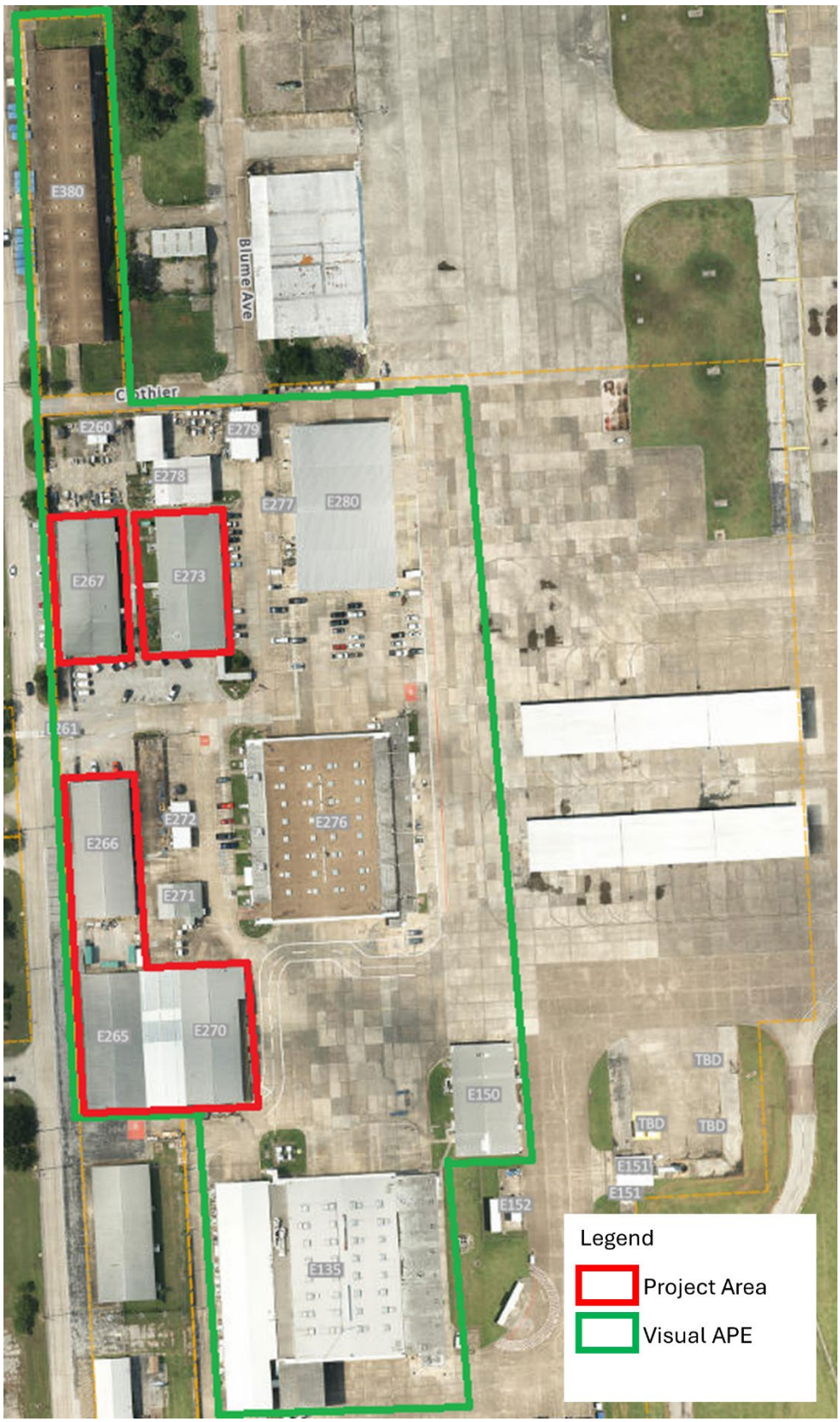
Regarding potential adverse effects in the direct APE, NASA has determined that the demolition of five NRHP-eligible buildings, E265, E266, E267, E270, and E273, constitutes an adverse effect to historic property in the direct APE. To mitigate this impact, NASA proposes to amend the existing MOA on the previous ALOF construction and associated demolition to provide a comprehensive mitigation approach for all demolition activities related to the ALOF project. Proposed mitigation measures include 3-Dimensional laser scans of all demolished historic buildings at Ellington Field Tract 1 to generate a 3D model of demolished buildings at the site, along with historic information, drawings, photographs, and any oral histories of Ellington Field, to be placed on the publicly available JSC Historic Preservation Website.

Consistent with the obligations under Section 106 of the National Historic Preservation Act, NASA JSC will seek input from interested parties and the public on this project. NASA JSC invites the Texas Historical Commission to participate in the amendment of the existing MOA to confer upon the proposed mitigation measures. Thank you for your attention to this consultation.

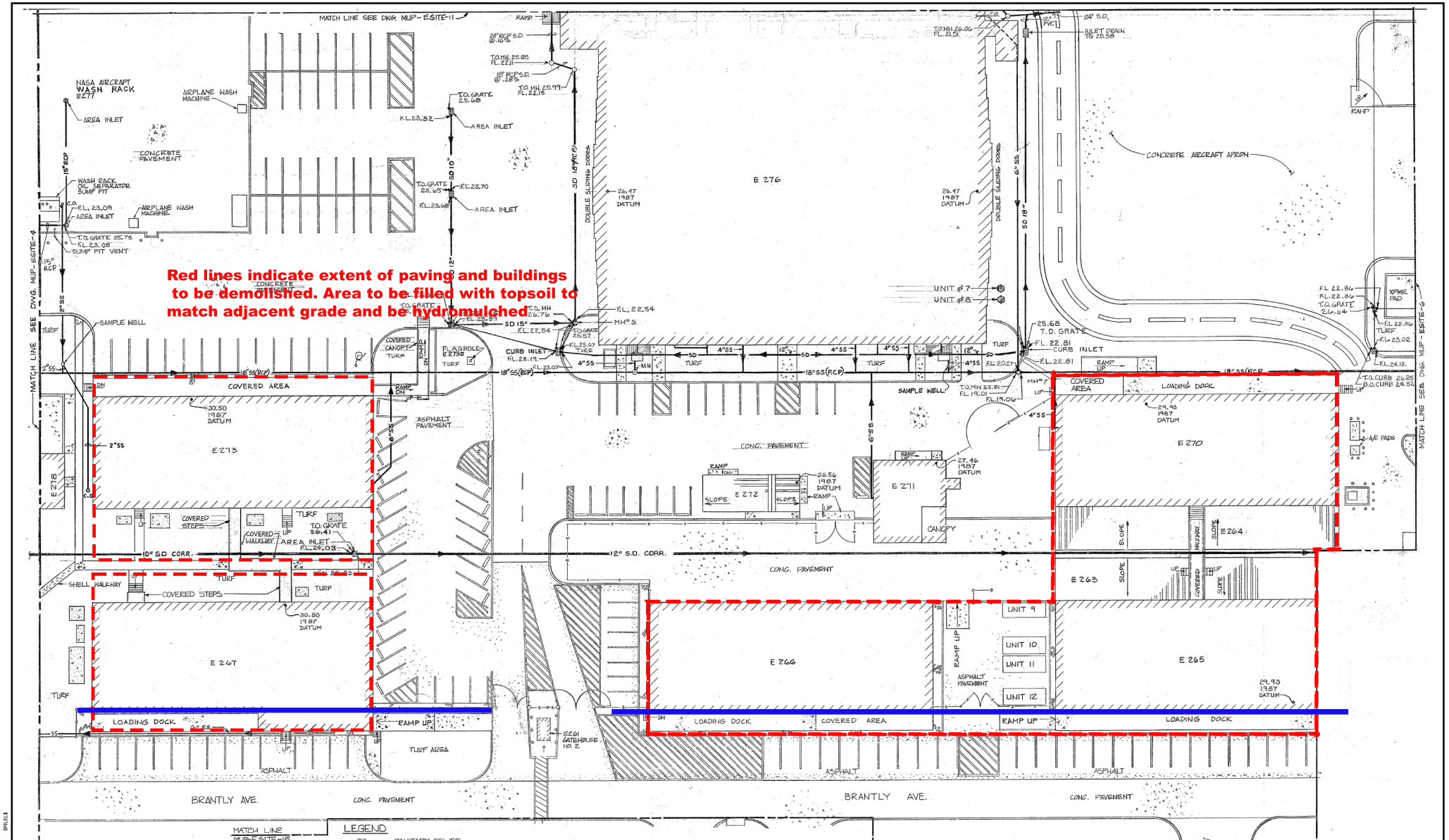
ENCLOSURE 2

Site Map and Proposed Project Area

Site Map and Proposed Project Area



ENCLOSURE 3
Demolition Plan



Red lines indicate extent of paving and buildings to be demolished. Area to be filled with topsoil to match adjacent grade and be hydromulched

Blue solid lines indicate new security fencing [er NASA standards

LEGEND

—SS—	SANITARY SEWER
—SD—	STORM DRAIN
O M.H.	MAN HOLE
▫ C.O.	CLEAN OUT
C.I.	CAST IRON
R.C.P.	REINFORCED CONCRETE PIPE
CORR.	CORRUGATED PIPE
▦ ⊗	AREA INLET
	CURB INLET
●	SECONDARY CONTAINMENT AREA
	CONCRETE
	ASPHALT
	SHELL
	EDGE OF BUILDING
—x—x—	CHAIN LINK FENCE
	GRAVEL
FL.	FLOW LINE
TO.	TOP OF
BO.	BOTTOM OF

1"=20'-0" 20' 10' 0 20' 40'
GRAPHIC SCALE

CAD FILE NAME: MUPESITE5.DGN/TIF

REVISION	DATE	DESCRIPTION
AS-BUILT	02-17-12	CoF94001(TWS) W32227(DLS) W42022(PAG) W46429(GLB)
AS-BUILT	6-18-97	A017571(DLS) W30680(DFC) W23830(DLS) W26111(DLS) W26555(DLS)
AS-BUILT	7-23-96	W25951(DLS) W26113(DLS) W30436(TWS) A016811(DLS) W27010(DLS)

SIGNATURES		DATE
DR. JSS	ENG REDRAWN	08-15-91
CH. FVM	APPR DON	09-11-91
REV		
DISCP		
PE		
APPR RON WILLIAMS		11-23-93

NATIONAL AERONAUTICS & SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS

BUILDING E7
MASTER UTILITY PLAN

SANITARY SEWER AND STORM DRAIN PLAN

PROJECT NO. | SHEET NO. ___ OF ___
PROJECT TITLE
CODE IDENT NO. 21398 | SIZE | DWG NO. MUP-ESITE-5

ENCLOSURE 4

APE Viewshed Analysis Photos

APE Viewshed Analysis Photos

Looking southeast from E265, proposed for demolition, toward E135 (fully visible)

Looking southeast from E270, proposed for demolition, toward E135 (fully visible)

Looking north from E267, proposed for demolition, toward E380 (visible; partially obscured by existing buildings and security fencing)

Looking northwest from E273, proposed for demolition, toward E380, indicated by red arrow (visible; mostly obscured by existing buildings and security fencing)

Looking northwest from E135 toward E265 and E270, proposed for demolition (fully visible)

Looking northwest from E135 toward E266 (indicated by red arrow), proposed for demolition (visible; mostly obscured by existing buildings)

Looking northwest from E135 toward E267 (indicated by red arrow), proposed for demolition (visible; mostly obscured by existing buildings)

Looking northwest from E135 toward E273 (indicated by red arrow), proposed for demolition (visible; partially obscured by existing buildings)

Looking south from E380 toward E267 and E273 (indicated by red arrows), proposed for demolition (visible; mostly obscured by existing buildings and security fencing.)

Overall aerial view looking southeast (2018)

Overall aerial view looking northwest (2018)