

[Redacted]



PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY
PROBABLE ABM

LAUNCH COMPLEX E24

MOSKVA, USSR

[Redacted]

25X1

MARCH 1967
COPY 118
8 PAGES

[Redacted]

25X1

Declass Review by NIMA/DOD

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

[Redacted]

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TOP SECRET



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Approved For Release 2003/06/20 : CIA-RDP78T04759A006200010027-0

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PREFACE

This photographic interpretation report is one of a series published in partial response to CIA requirement C-DI5-83,143 which requests detailed line drawings, to scale, of facilities associated with probable ABM deployment in the Moskva area. The information contained in this report is based on [redacted] photography of [redacted] and does not reflect changes observed since that time.

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The precision target plots included in this report are mathematically rectified projections of the area. Plots are compiled by utilizing precision mensuration instruments. However, stereoscopic imagery was not available for photo interpretation. Identifiable image points are measured and their coordinate values mathematically transformed by a computer. This transformation corrects for camera and attitude (pitch, roll, and yaw) induced distortions but does not correct for displacement due to ground relief and object height.

All mensuration utilized in the preparation of this report was accomplished by NPIC/TID. The horizontal and vertical measurements cited are computed values, as derived, and do not reflect numerical round-off unless otherwise specified. The horizontal measurements are accurate to within plus or minus 5 feet or 3 percent, whichever is greater. Vertical measurements are accurate to [redacted]

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These target plots represent the most accurate data compiled to date, but the user is cautioned to exercise care in scaling distances or determining azimuths from these plots for relief can introduce errors in distance and alignment.

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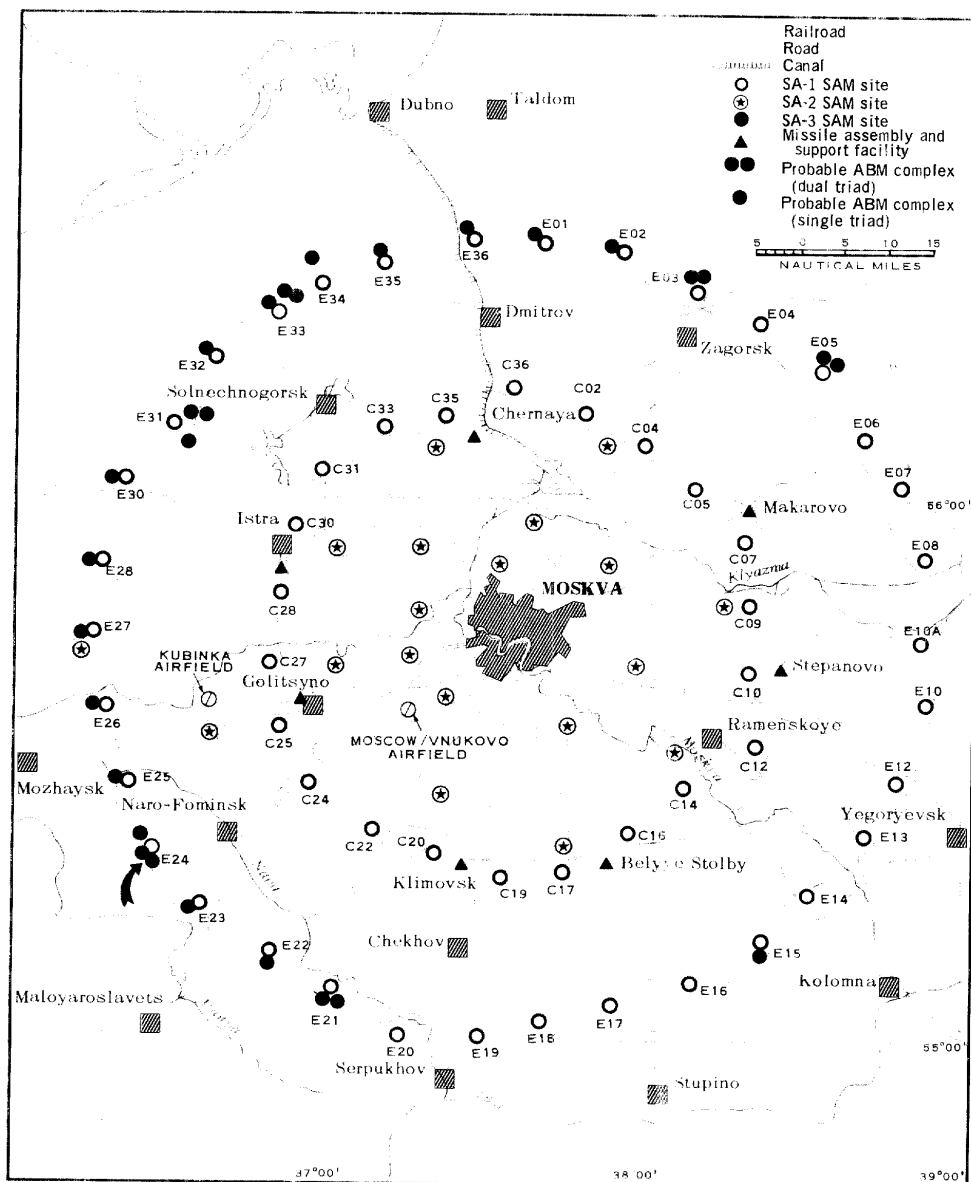


FIGURE 1. LOCATION OF PROBABLE ABM LAUNCH COMPLEX E24, MOSKVA, USSR.

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PROBABLE ABM LAUNCH COMPLEX E24

MOSKVA, USSR

Probable ABM Launch Complex E24 is located approximately 45 nautical miles (nm) southwest of Moskva, USSR, at 55-21N 36-29E (Figure 1). 1/ The complex consists of a dual triad superimposed on the southwest end of the Launch Area of SA-1 SAM Site E24-1. The probable ABM launch complex is separately secured by a triple fence. Although the presence of the triple security fence has been verified on previous photographic coverage of the complex, the tree canopy present in [redacted] precludes a determination of the exact alignment of the inner and outer fences. The complex also contains a T-shaped earth-mounded building with a possible security building at the entrance, a transformer substation, a heating plant, a probable security building at the main entrance to the complex, and 6 support buildings (Figures 2 and 3). Construction of launch positions had not started as of [redacted]

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Construction activity was first observed at Triad 1 (Figure 3) in [redacted]

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[redacted] The buildings and environmental shelters now appear to be externally complete. Building A measures 235 by 140 by 40 feet high. A solid parabolic dish 60 feet in diameter is on the ground at the southwest corner of the building. An environmental shelter 110 feet in diameter has been mounted on the roof of the building; a capping section 70 feet in diameter is in place. A circular ground pattern [redacted] is visible on the northwest side of the building. This may have been used as a form for assembling sections of the environmental shelter on the ground. Buildings B and C measure 120 by 105 by 40 feet high. An environmental shelter [redacted] is mounted on the roof of each. The distances between the estimated centers of the environmental shelters on the buildings in Triad 1 are as follows: between Buildings A and B, 1,010 feet; between Buildings B and C, 825 feet; and between Buildings C and A, 860 feet.

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Construction was first observed at Triad 2 (Figure 3) in [redacted]

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[redacted] 1/ It now appears to be in a midstage of construction. Building A measures 155 by 120 by 40 feet high. Two wings, each measuring [redacted] high, are situated at the southwest end of the building and are parallel to the long axis of the building. A circular base [redacted] for an environmental shelter is on the roof of the building. A structure [redacted] high is located at the center of the circular base and is probably associated with the pedestal or mount for the radar antenna. Buildings B and C measure [redacted] A circular base [redacted] for an environmental shelter is situated on the roof of each building. A counterpart of Building D in Triad 1 has not been constructed in Triad 2. The distances between the estimated centers of the circular bases for the environmental shelters on the buildings in Triad 2 are as follows: between Buildings A and B, 845 feet; between Buildings B and C, 835 feet; and between Buildings C and A, 940 feet.

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The distance between the estimated center of the environmental shelter on Building A in Triad 1 and the estimated center of the circular base for the shelter on Building A in Triad 2 is 2,100 feet. The distance between the estimated center of the environmental shelter on Building B in Triad 1 and the estimated center of the circular base for the shelter on Building C in Triad 2 is 885 feet.

The T-shaped earth-mounded building 2/ 3/ located between Building A in Triad 1 and Building A in Triad 2 measures approximately 315 by 125 feet on the crossbar of the T. The stem is approximately 140 feet wide; the length cannot be determined. A flat-roofed high bay [redacted] is located near the center of the crossbar. The high bay appears to be higher than the earth-mounded portions of the building, although the exact height

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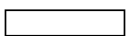
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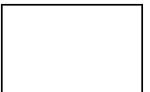
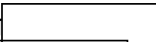
FIGURE 2. PROBABLE ABM LAUNCH COMPLEX E24, MOSKVA, USSR.



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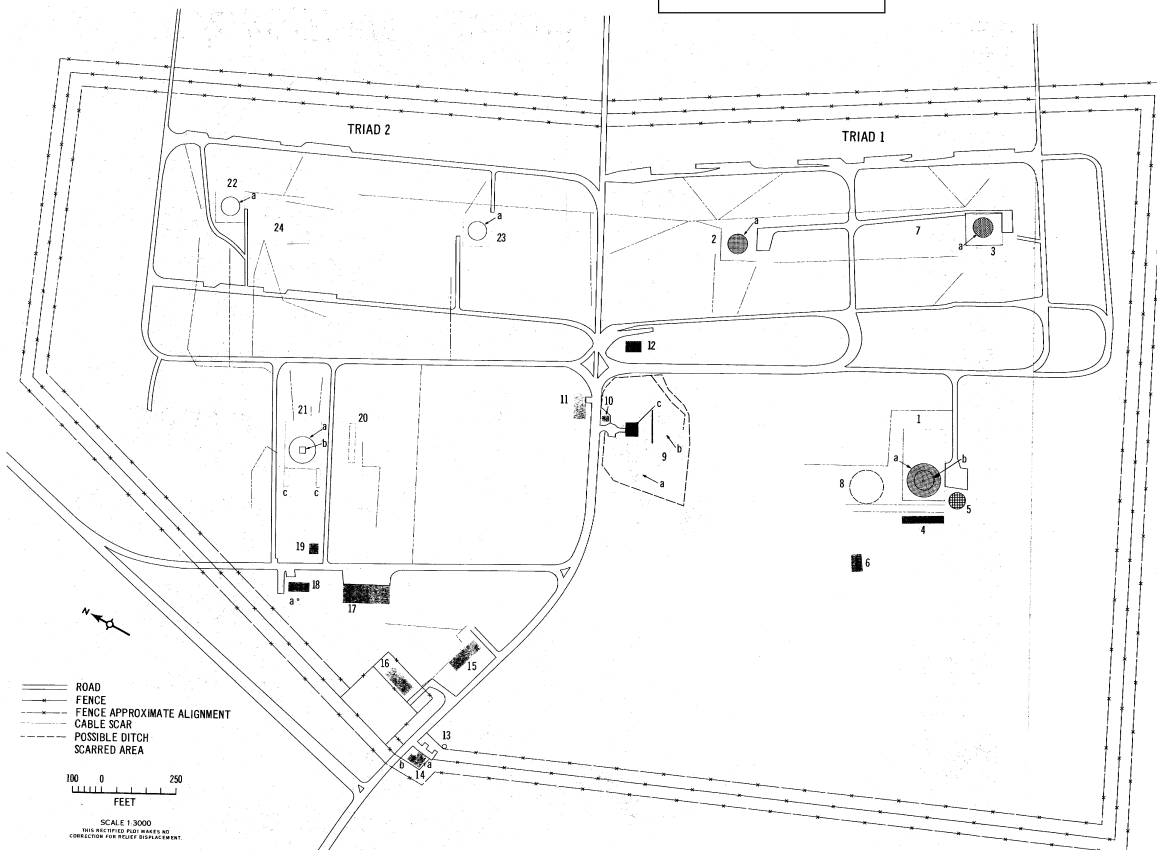
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ITEM	DESCRIPTION
1	BLDG A, TRIAD 1 ENVIRONMENTAL SHELTER
a	ENVIRONMENTAL SHELTER
b	CAPPING SECTION
2	BLDG B, TRIAD 1 ENVIRONMENTAL SHELTER
a	ENVIRONMENTAL SHELTER
3	BLDG C, TRIAD 1 ENVIRONMENTAL SHELTER
a	ENVIRONMENTAL SHELTER
4	BLDG D, TRIAD 1 SOLID PARABOLIC DISH
5	SUPPORT BLDG
6	SUPPORT BLDG
7	SA-1 CONTROL BUNKER
8	POSSIBLE CONSTRUCTION FORM FOR ENVIRONMENTAL SHELTER
9	T-SHAPED, EARTH-MOUNDED BLDG
a	CROSSBAR
b	STEM
c	HIGH BAY
10	POSSIBLE SECURITY BLDG, GABLE ROOF
11	SUPPORT BLDG, GABLE ROOF
12	SUPPORT BLDG, GABLE ROOF
13	TANK
14	L-SHAPED PROBABLE SECURITY BLDG
a	MAIN SECTION
b	WING
15	SUPPORT BLDG, FLAT ROOF
16	TRANSFORMER SUBSTATION, FLAT ROOF
17	SUPPORT BLDG, FLAT ROOF
18	HEATING PLANT, FLAT ROOF
a	STACK
19	SUPPORT BLDG
20	POSSIBLE BLDG
21	BLDG A, TRIAD 2 CIRCULAR BASE FOR ENVIRONMENTAL SHELTER
a	ENVIRONMENTAL SHELTER
b	STRUCTURE
c	2 WINGS
22	BLDG B, TRIAD 2 CIRCULAR BASE FOR ENVIRONMENTAL SHELTER
a	ENVIRONMENTAL SHELTER
23	BLDG C, TRIAD 2 CIRCULAR BASE FOR ENVIRONMENTAL SHELTER
a	ENVIRONMENTAL SHELTER
24	SA-1 CONTROL BUNKER

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FIGURE 3. LAYOUT OF PROBABLE ABM LAUNCH COMPLEX E24.

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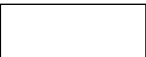
FIGURE 4. SUPPORT AREA, MOSKVA PROBABLE ABM LAUNCH COMPLEX E24 AND SAM SITE E24-1.

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ITEM	DESCRIPTION	ITEM	DESCRIPTION	ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	5 MULTISTORY APARTMENT-TYPE BLDGS, FLAT ROOFS	8	MULTIFAMILY-TYPE DWELLING, GABLE ROOF	19	STRUCTURE U/I OBJECT ON ROOF	68	SUPPORT BLDG, GABLE ROOF
2	SUPPORT BLDG, FLAT ROOF	9	SUPPORT BLDG, FLAT ROOF	20	SUPPORT BLDG, FLAT ROOF	69	SUPPORT BLDG
3	SUPPORT BLDG	10	SUPPORT BLDG, FLAT ROOF	21	SUPPORT BLDG, FLAT ROOF	70	SUPPORT BLDG, FLAT ROOF
a	ROOF HEIGHT	a	2 LOW WINGS	22	SUPPORT BLDG, FLAT ROOF	71	SUPPORT BLDG, FLAT ROOF
b	ROOF HEIGHT	11	SINGLE-FAMILY-TYPE DWELLING, GABLE ROOF	23	SUPPORT BLDG, FLAT ROOF	72	POSSIBLE BLDG U/C
4	MULTIFAMILY-TYPE DWELLING, GABLE ROOF	12	MULTIFAMILY-TYPE DWELLING, GABLE ROOF	24	SUPPORT BLDG, FLAT ROOF	73	WAREHOUSE-TYPE BLDG, GABLE ROOF
5	SUPPORT BLDG, POSSIBLE GABLE ROOF	13	PROBABLE SHED, FLAT ROOF	25	SINGLE-FAMILY-TYPE DWELLING, GABLE ROOF	74	SUPPORT BLDG, ARCHED ROOF
6	MULTIFAMILY-TYPE DWELLING, GABLE ROOF	14	STRUCTURE	26	3 MULTIFAMILY-TYPE DWELLINGS, HIPPED ROOFS	75	SUPPORT BLDG, FLAT ROOF
7	MULTIFAMILY-TYPE DWELLING, GABLE ROOF	15	STRUCTURE	27	SINGLE-FAMILY-TYPE DWELLING, GABLE ROOF	76	SUPPORT BLDG, FLAT ROOF, CONCRETE APRON ON NORTH & EAST SIDES
		16	STANOPIPE	28	SUPPORT BLDG, GABLE ROOF	77	SUPPORT BLDG, GABLE ROOF
		17	PROBABLE SHED	29	3 SINGLE-FAMILY-TYPE DWELLINGS, GABLE ROOFS	78	SUPPORT BLDG, HIPPED ROOF
		18	SUPPORT BLDG, GABLE ROOF	30	EARTH-COVERED PROBABLE TANK WITH 2 PROBABLE VENTS	a	MAIN STRUCTURE
				31	SUPPORT BLDG, FLAT ROOF	b	EXTENSION ON WEST SIDE
				32	SUPPORT BLDG	79	SUPPORT BLDG, FLAT & GABLE ROOFS
				33	STRUCTURE	a	MAIN STRUCTURE
				34	SUPPORT BLDG	b	EAST WING
				35	SUPPORT BLDG, GABLE ROOF	80	SUPPORT BLDG, GABLE ROOF
				36	BLDG U/C	81	SUPPORT BLDG, GABLE ROOF
				37	SUPPORT BLDG	82	SUPPORT BLDG, PROBABLE FLAT ROOF
				38	BLDG U/C	83	SUPPORT BLDG, GABLE ROOF
				39	BLDG	84	SUPPORT BLDG, FLAT ROOF
				40	SUPPORT BLDG, GABLE ROOF	85	WAREHOUSE-TYPE BLDG, GABLE ROOF
				41	HEATING PLANT, FLAT ROOF	86	WAREHOUSE-TYPE BLDG
				a	STACK	87	SUPPORT BLDG, PROBABLE FLAT ROOF
				42	BLDG, FLAT ROOF	88	CIRCULAR APRON
				43	PROBABLE EARTH FILL	89	STRUCTURE
				44	SUPPORT BLDG, FLAT ROOF	90	STRUCTURE
				45	PROBABLE SECURITY BLDG, FLAT ROOF	91	WAREHOUSE-TYPE BLDG
				46	SUPPORT BLDG, FLAT ROOF	92	WAREHOUSE-TYPE BLDG, GABLE ROOF
				47	SUPPORT BLDG, FLAT ROOF	93	WAREHOUSE-TYPE BLDG, GABLE ROOF
				48	SUPPORT BLDG, FLAT ROOF	94	POSSIBLE BLDG U/C
				a	HIGH BAY	95	WAREHOUSE-TYPE BLDG, GABLE ROOF
				49	SUPPORT BLDG, FLAT ROOF	a	MAIN STRUCTURE
				50	PROBABLE SECURITY BLDG, FLAT ROOF	b	SOUTH WING
				51	ADMIN-TYPE BLDG, GABLE ROOF	96	SUPPORT BLDG, GABLE ROOF
				52	ADMIN-TYPE BLDG, GABLE ROOF	97	POSSIBLE VEHICLE SHED, FLAT ROOF
				53	SUPPORT BLDG, GABLE ROOF	98	SUPPORT BLDG, GABLE ROOF
				54	SUPPORT BLDG, GABLE ROOF	99	SUPPORT BLDG, GABLE ROOF
				55	POSSIBLE BLDG FOUNDATION	100	SUPPORT BLDG, FLAT ROOF
				56	SUPPORT BLDG, GABLE ROOF	101	SUPPORT BLDG, FLAT ROOF
				57	SUPPORT BLDG, FLAT ROOF	102	SUPPORT BLDG, FLAT ROOF
				58	SUPPORT BLDG, FLAT ROOF	103	POSSIBLE GENERATOR BLDG, FLAT ROOF WITH CENTER HIGH BAY
				59	SUPPORT BLDG, GABLE ROOF	104	2 PROBABLE SEMIBURIED TANKS
				60	SUPPORT BLDG, GABLE ROOF	105	PROBABLE BLDG FOUNDATION
				61	SUPPORT BLDG, GABLE ROOF	106	SUPPORT BLDG, FLAT ROOF
				62	SUPPORT BLDG, GABLE ROOF	107	SUPPORT BLDG, FLAT ROOF
				63	PROBABLE HARDSTAND	108	POSSIBLE SHED, FLAT ROOF
				64	POSSIBLE EARTH-COVERED STRUCTURE	109	MULTIFAMILY-TYPE DWELLING, HIPPED ROOF
				65	SUPPORT BLDG, PROBABLE FLAT ROOF		
				66	SUPPORT BLDG, GABLE ROOF		
				67	FIELD		

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SCALE 1:6000
THIS RECTIFIED PLOT MAKES NO CORRECTION FOR RELIEF DISTORTION

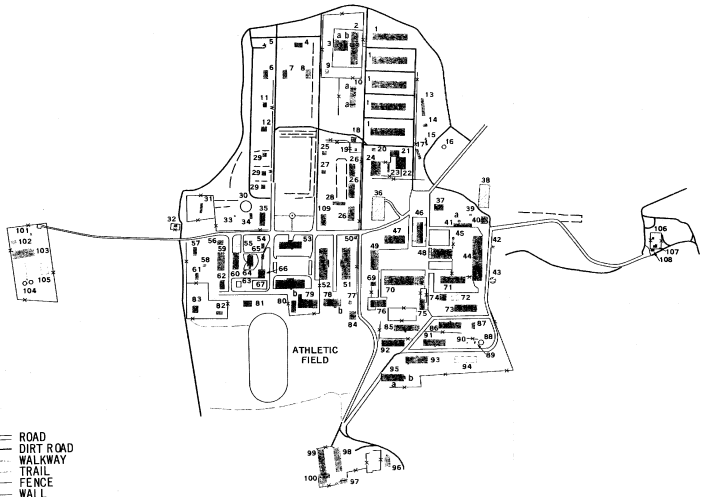


FIGURE 5. LAYOUT OF THE SUPPORT AREA.

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cannot be determined from photography. The building appears to have a drive-through capability, but no road is visible at the entrance to the stem of the T.

The Support Area (Figures 4 and 5), which is utilized by the SA-1 SAM site and the probable ABM launch complex, is located approximately 5,000 feet northwest of the SA-1 SAM site Launch Area. The multistory apartment-type buildings, which were first observed in [Redacted] before construction had started on the probable ABM launch complex, are the only facilities in the Support Area which can be associated with Probable ABM Launch Complex E24. This type of building has been seen only in the support areas of those Moskva SA-1 SAM sites where probable ABM launch complexes have been constructed. Whether the other buildings and structures in the area are associated with the SA-1 SAM site or with the probable ABM launch complex cannot be determined from aerial photography. A comparison of [Redacted]

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[Redacted] photography with earlier large-scale photography of the Support Area reveals that some multifamily-type dwellings and support buildings are being razed. 4/

REFERENCES

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[Redacted]

MAPS OR CHARTS

ACIC series, scale 1:200,000

DOCUMENTS

1. NPIC. [Redacted] *Construction Chronology of Deployed Probable ABM and Long Range SAM Launch Complexes.* Dec 66 (TOP SECRET [Redacted])

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2. NPIC. [Redacted] *T-Shaped Buildings at Probable ABM Facilities, Moskva Area, USSR.* Dec 66 (TOP SECRET [Redacted])

4. NPIC. [Redacted] *Possible ABM Associated Activity, Moscow Area, USSR, September 1964-March 1965.* Aug 65 (TOP SECRET [Redacted])

REQUIREMENT

CIA. C-D15-83,143 (revised)

NPIC PROJECT

11333/66 (partial answer)

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