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PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX, OLOVYANNAYA, USSR

NPIC/R-227/64

April 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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NPIC/R-227/64

Launch Site A	(TDI Site 1)	50-54N 115-49E	BE No
Launch Site B	(TDI Site 2)	50-55N 115-44E	BE No
Launch Site C	(TDI Site 3)	51-01N 115-57E	BE No

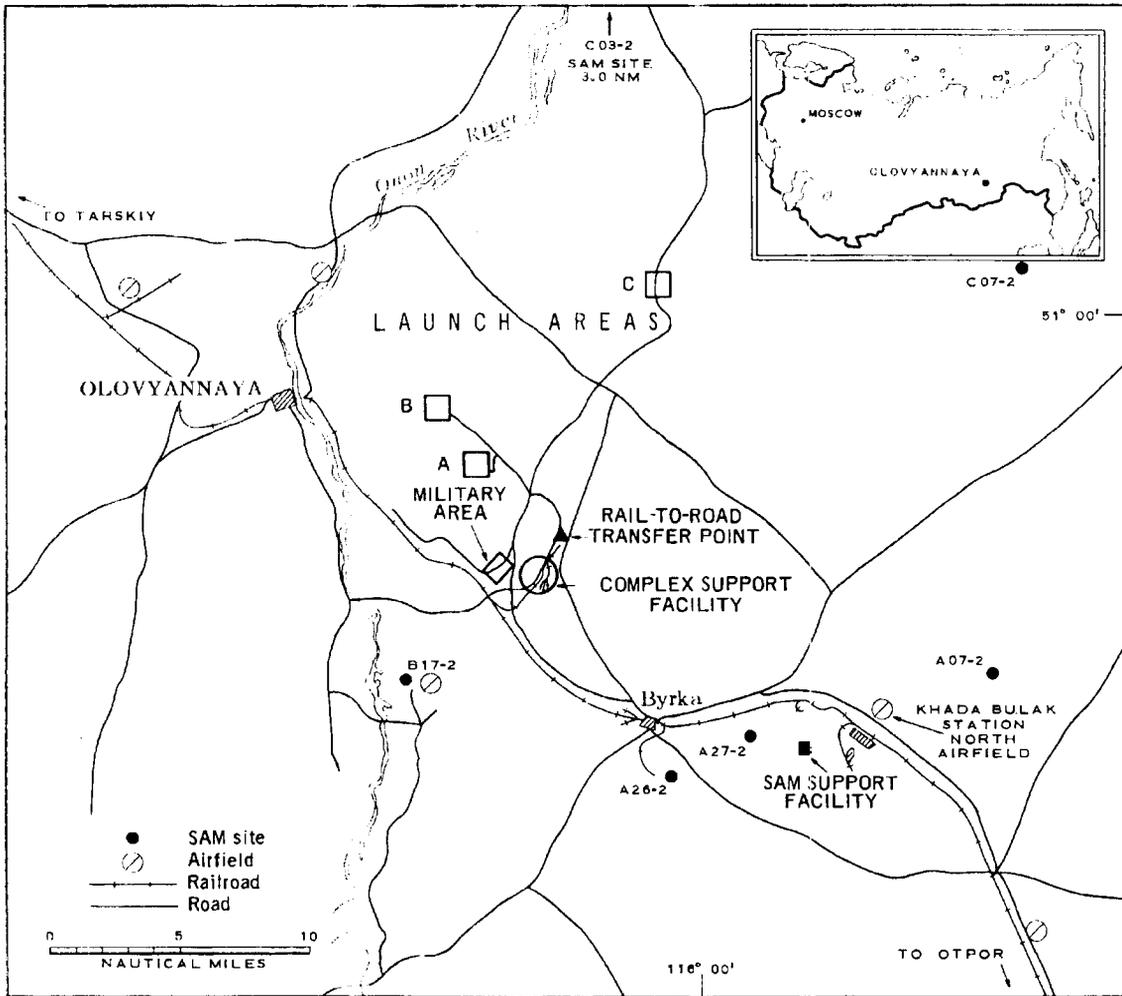


FIGURE 1. LOCATION OF LAUNCH COMPLEX.

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## ICBM COMPLEX, OLOVYANNAYA, USSR

## INTRODUCTION

This report, based on KEYHOLE photography through December 1963 [redacted] revises and updates [redacted] R-94/63, dated [redacted] 1/

The Olovyannaya ICBM Complex is located 12.5 nautical miles (nm) southeast of the town of Olovyannaya (Figure 1). The cities of Chita and Nerchinsk are located 115 nm to the northwest and 75 nm to the north-northeast, respectively. The USSR-Mongolia border at its closest point is 47 nm south-southeast of the complex. The complex is situated in the foothills of sparsely settled, low-lying mountains, the maximum elevation of which in this vicinity is 3,409 feet. A rail connection is provided by the Tarskiy-Otpor rail line, which connects with the Trans-Siberian railroad at Tarskiy, approximately 70 nm northwest of the complex.

The complex consists of a complex support facility, a rail-to-road transfer point, and three launch areas including three Type IIIA launch sites oriented on an azimuth of 60 degrees plus or minus 5 degrees.

No negation date can be given because there was evidence of early-stage construction at the time of the earliest photo coverage in February 1962 [redacted]. However, it was not until April 1963 [redacted] that the elements of the complex were seen clearly enough to make positive identification.

Military activity in the vicinity of the complex includes a previously established military area and six SA-2 SAM sites:

Olovyannaya SAM Site B17-2, BE No [redacted]

Olovyannaya SAM Site C03-2, BE No [redacted]

Olovyannaya ICBM Complex SAM Site C07-2, BE No [redacted]

Khada Bulak SAM Site A07-2, BE No [redacted]

Khada Bulak SAM Site A26-2, BE No [redacted]

Khada Bulak SAM Site A27-2, BE No [redacted]

## COMPLEX SUPPORT FACILITY

The complex support facility is located at 50-48N 115-50E, 12.5 nm southeast of Olovyannaya (Figure 2). It consists of a railhead and storage area and an administration and housing area. A military area which predates the launch complex lies just west of the administration and housing area. Facilities of this military activity may also be used in support of the launch complex.

A rail spur leaves the main line, parallels it for approximately one nm, and then curves to the northeast. The spur then follows the general alignment of a small stream for approximately 3.2 nm where it terminates at the rail-to-road transfer point. Approximately 0.9 nm before this terminus, the spur branches in a southerly direction to the railhead and storage area.

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The railhead and storage area consists of 3 rail spurs, 6 large warehouses, a batch plant with 2 inclined conveyers, and 19 miscellaneous buildings. The area between the rail spurs is used for open storage. No security fences or powerlines have been identified.

The administration and housing area lies 0.7 nm northwest of the railhead and storage area. It consists of an area approximately

2,600 by 2,000 feet and contains 37 barracks-type buildings and 18 miscellaneous buildings. There is a probable vehicle/equipment park on the southeast side of the area which is approximately 1,000 feet square and is probably secured.

At the northeast corner there are two buildings partly enclosed by a fence, probably board. This area had been previously used as a motor pool.

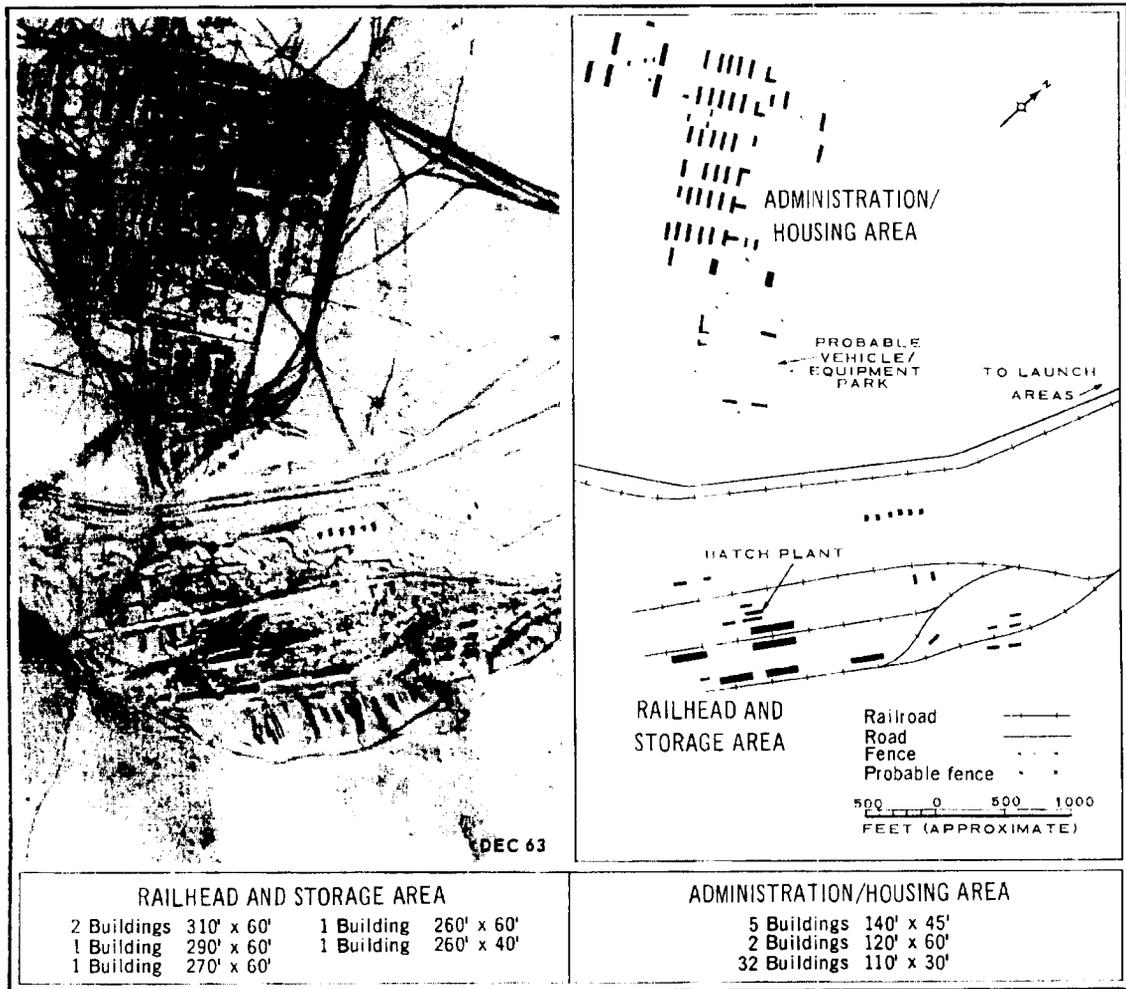


FIGURE 2. COMPLEX SUPPORT FACILITY.

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**MILITARY AREA**

The military area (Figure 3) appeared to have been a previously established and complete installation when first observed in February 1962 [redacted]. However, it has increased in size, and at least 75 additional buildings have been identified, although some of these may have existed in February 1962 and not been detected because of photographic limitations. The facility now consists of an area approximately 6,000 by 3,000 feet which contains approximately 210 buildings, including barracks, warehouses, and shops. An athletic field and a parade ground are also located in this area.

Just to the northeast of the military area

is a double-fenced storage area approximately 1,300 by 1,000 feet which contains at least 25 small buildings, and which may be an ammunition/explosives storage area. A second, smaller, unidentified, secured area containing two small buildings is located approximately 1,000 feet northeast of the double-fenced area.

Adjoining the military area on its eastern side is a pentagonal-shaped, double-fenced area containing three fairly large and at least three small buildings. There are approximately 40 abandoned building foundations just south of the pentagonal-shaped, secured area.

**RAIL-TO-ROAD TRANSFER POINT**

A loop-type rail-to-road transfer point (Figure 4) is located at 50-49N 115-52E, 2 nm northeast of the complex support facility.

It is served by two short spurs at the terminus of the line which serves the complex. Three buildings are present within the loop, and 13

others are in the immediate vicinity. Approximately 2,000 feet south of the transfer point, a third short spur serves a rectangular area having linear earth mounds along part of the sides, and containing two square excavations.

**LAUNCH AREA A**

Launch Area A consists of a Type IIIA launch site in a late stage of construction, a site support facility which also supports Launch Area B, and a probable receiving, inspection, and maintenance (RIM) facility under construction (Figures 5 and 6). The area is located 5.4 nm north of the complex support facility. It cannot be negated on available photography, as there was activity in the area at the time of the first available coverage, in February 1962 [redacted].

The launch site is located at the base of a fairly steep hill and is enclosed by an irregularly

shaped fence approximately 2,350 by 1,700 feet. The completed loop road pattern and three silo covers are visible. Two buildings are present 600 feet northwest of the site, and another 1,200 feet to the southeast. A fourth building, occupying an excavation in the hillside, is located 1,200 feet to the east.

The site support facility, 0.8 nm north-northwest of the launch site, contains 38 barracks-type and 29 miscellaneous buildings.

The probable RIM facility appears to be under construction, and lies approximately 5,700 feet east-southeast of the launch site. A short

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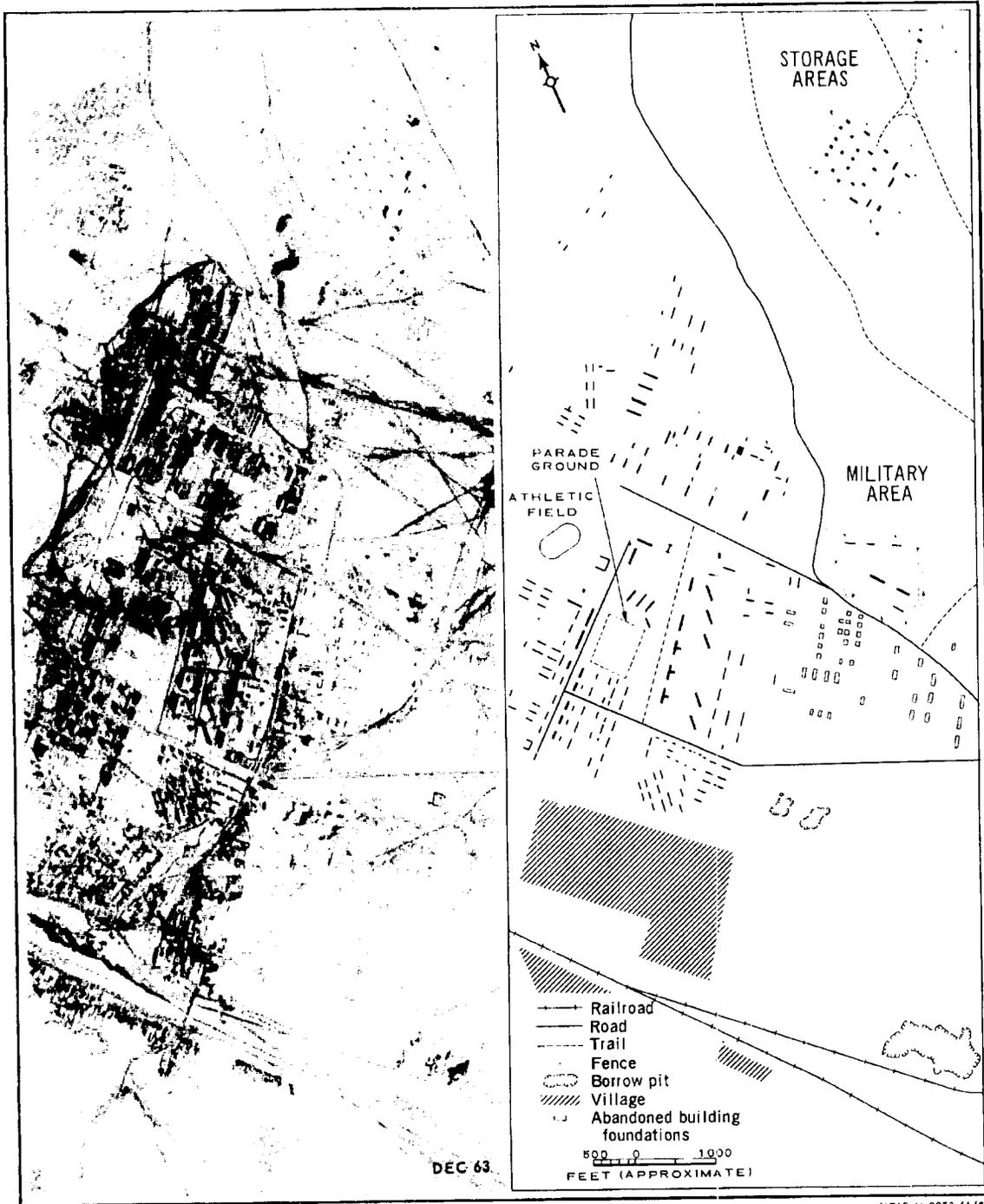


FIGURE 3. MILITARY AREA.

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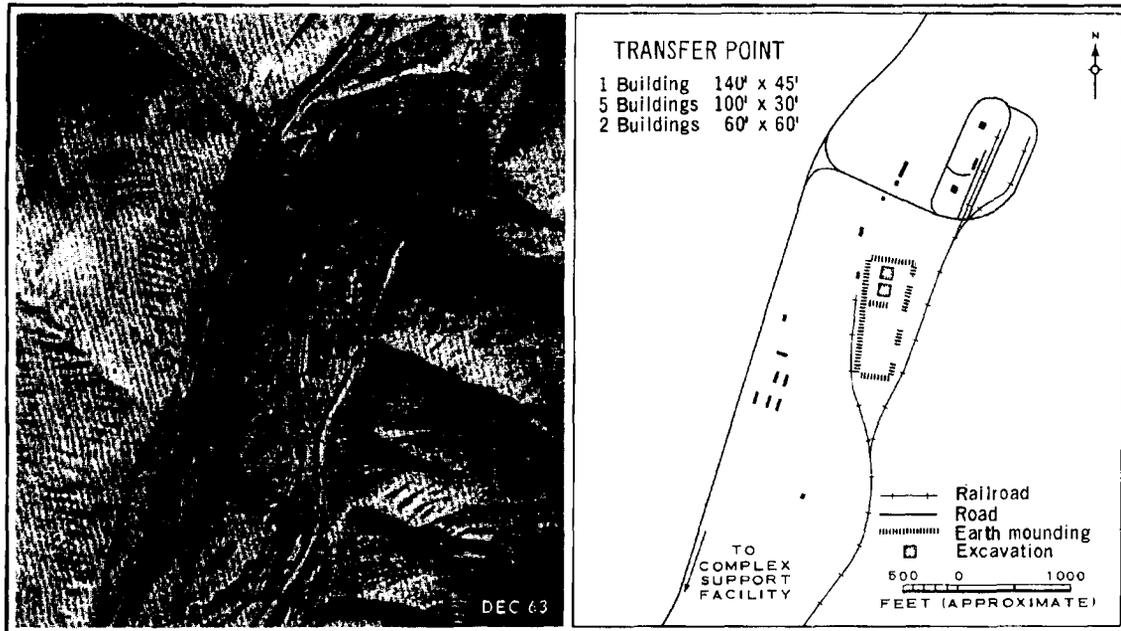


FIGURE 4. RAIL-TO-ROAD TRANSFER POINT.

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road branching off the complex main road leads past seven storage-type buildings set into excavations in the hillside. Adjoining these on the

southeast are three semiburied buildings. The RIM facility appears to be connected to the launch site by probable ditching.

#### LAUNCH AREA B

Launch Area B consists of a Type IIIA launch site in a midstage of construction, a site support facility shared with Launch Area A, and a possible RIM facility under construction (Figure 7). It is located 8.5 nm north-northwest of the complex support facility. The area can be negated as of April 1963 [redacted] but construction had started by June of that year [redacted]

The launch site, enclosed by a probable security fence, is located on the side of a fairly steep hill, with higher ground on three sides. An open excavation with notch contains an equip-

ment bunker and three silos under construction. A small excavation has been made just off the west side of the larger excavation, and three buildings are located south of the latter within the fenced area.

The site support facility, located approximately 1.6 nm east-southeast of the site, has been described under Launch Area A.

The possible RIM facility under construction, consisting of 3 buildings and 4 excavations on the east side of the complex main road and 2 buildings on the west side, is situated about 5,000 feet east of the launch site.

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FIGURE 5. LAUNCH AREA A.

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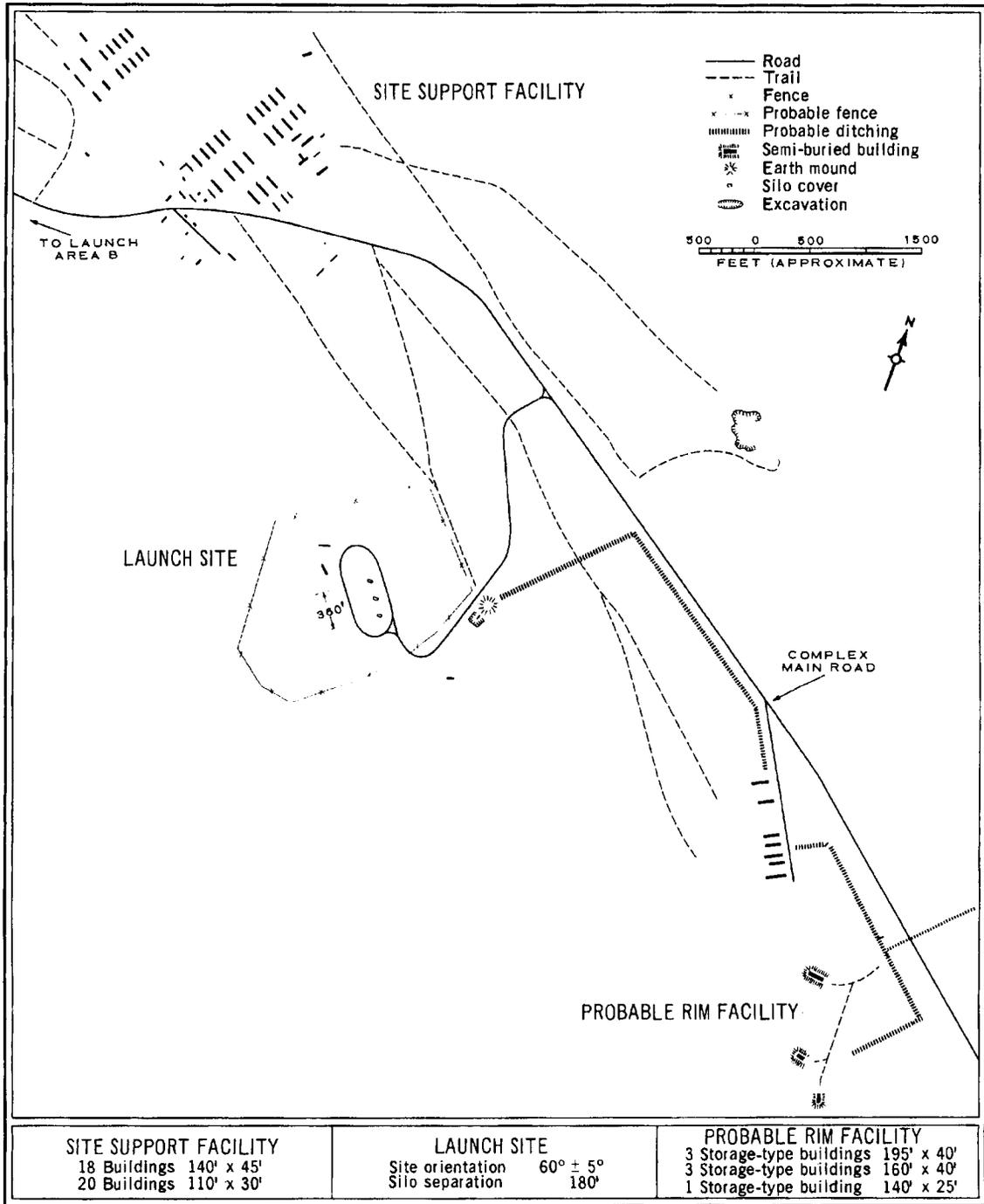


FIGURE 6. LAYOUT OF LAUNCH AREA A.

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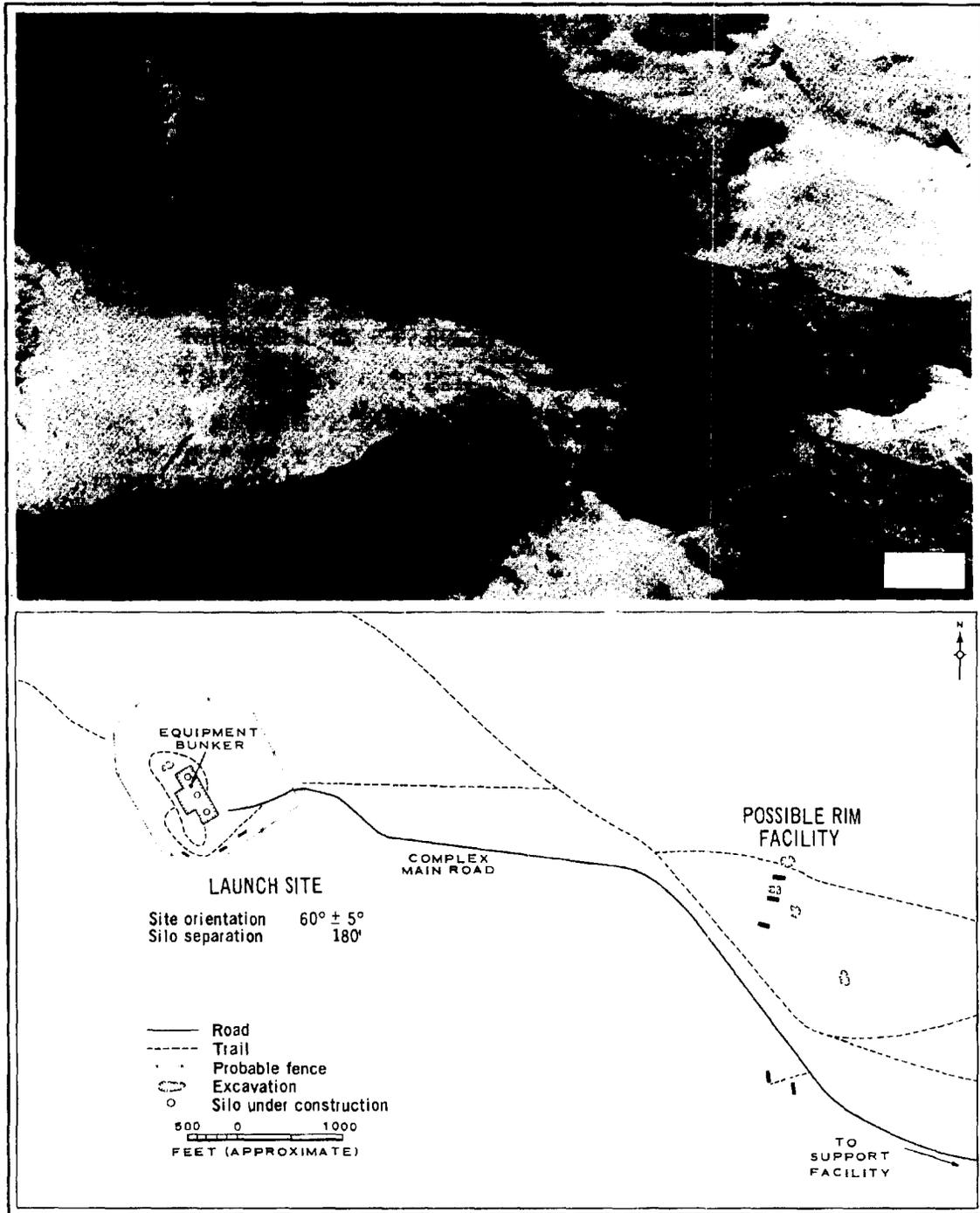


FIGURE 7. LAUNCH AREA B.

LAUNCH AREA C

Launch Area C consists of a Type IIIA launch site in an early stage of construction and a site support facility, and is located 13.5 nm north-northeast of the complex support facil-

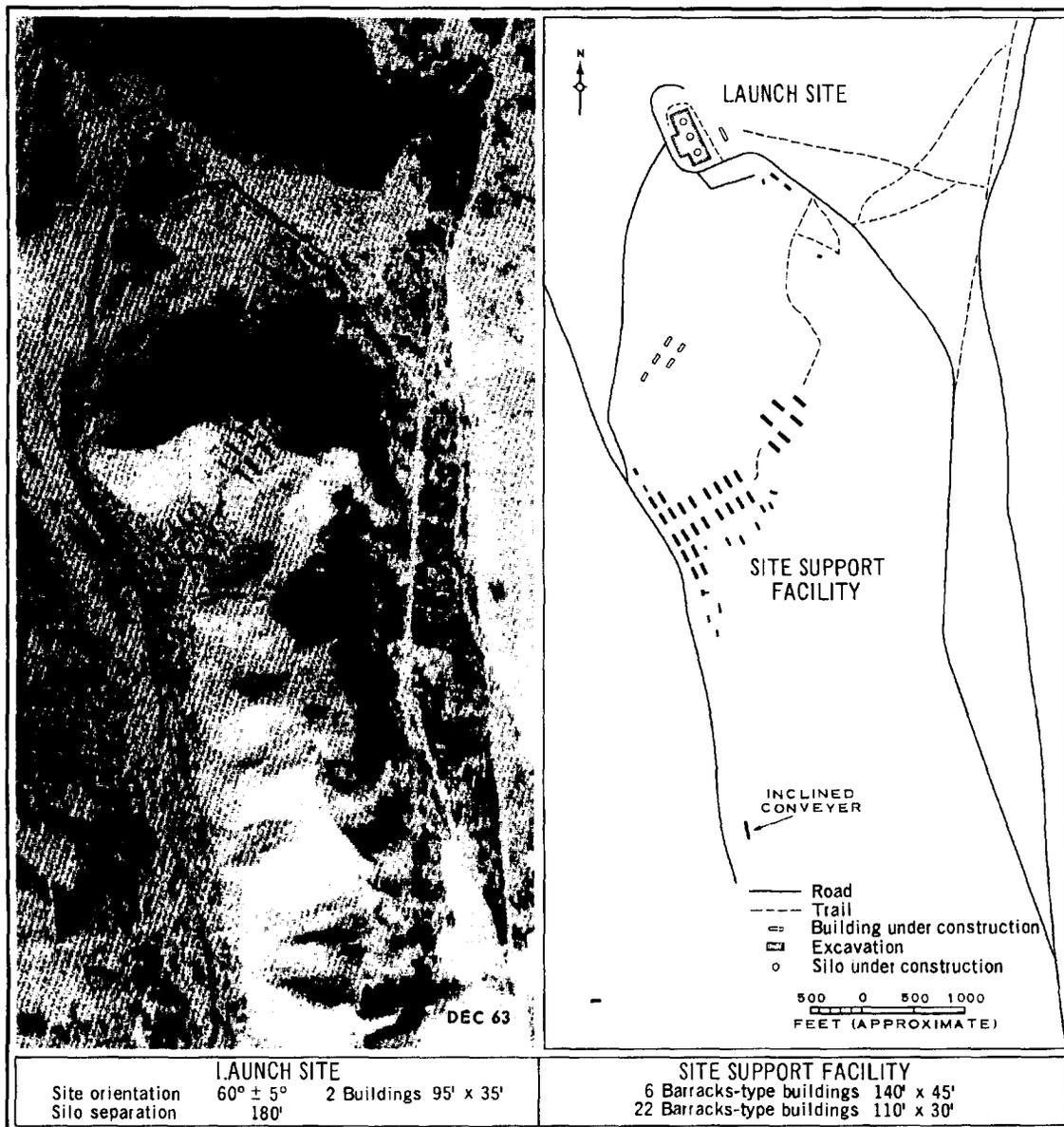


FIGURE 8. LAUNCH AREA C.

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ity (Figure 8). It was negated in July 1963 [redacted] and first observed the following month [redacted]

side of the site.

The site support facility is located about 3,300 feet south of the site and consists of 28 barracks-type buildings and 18 miscellaneous structures, 5 of which are still under construction. An inclined conveyer is present approximately 3,400 feet south of the site support facility, on the east side of the road.

The launch site is located in a cleared area with no discernible security fencing. Part of the loop road pattern, the excavation with notch, and three silos under construction are present. Four small buildings and a fifth under construction are situated near the road on the east

REFERENCES

PHOTOGRAPHY

Mission	Date	Pass	Camera	Frames	Classification
[redacted]	Dec 63	[redacted]	[redacted]	[redacted]	TOP SECRET RUFF
[redacted]	Aug 63				TOP SECRET RUFF
[redacted]	Jul 63				TOP SECRET RUFF
[redacted]	Jun 63				TOP SECRET RUFF
[redacted]	Apr 63				TOP SECRET RUFF
[redacted]	Nov 62				TOP SECRET RUFF
[redacted]	Aug 62				TOP SECRET RUFF
[redacted]	Jul 62				TOP SECRET RUFF
[redacted]	Jun 62				TOP SECRET RUFF
[redacted]	May 62				TOP SECRET RUFF
[redacted]	Feb 62	TOP SECRET RUFF			

MAPS OR CHARTS

ACIC. WAC 202, 5th ed, Nov 51, scale 1:1,000,000 (CONFIDENTIAL)

ACIC. US Air Target Chart, Series 200, Sheet 0202-6A1, 2d ed, scale 1:200,000 (SECRET)

DOCUMENT

1. NPIC. R-94/63, ICBM Launch Complex, Olaygannaya, USSR, May 63 (TOP SECRET RUFF)

REQUIREMENT

NPIC. PC-51/64

NPIC PROJECT

N-60/64

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# ICBM COMPLEX, OLOVYANNAYA, USSR



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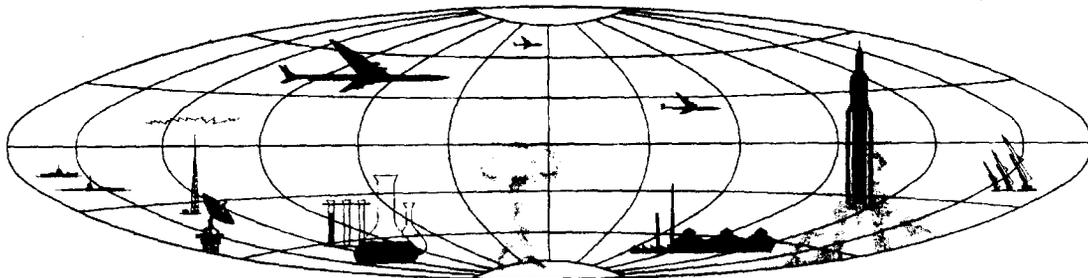
DIA

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