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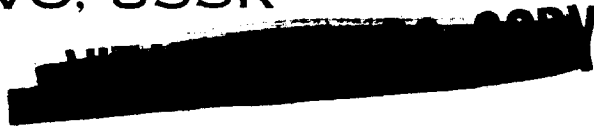
NPIC/R-125/62
August 1962

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PHOTOGRAPHIC INTELLIGENCE REPORT

ICBM LAUNCH COMPLEX

TEYKOVO, USSR



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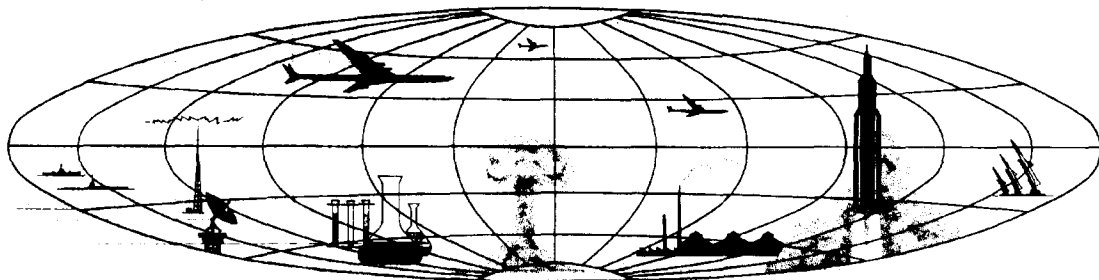
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ICBM LAUNCH COMPLEX, TEYKOVO, USSR

An ICBM launch complex consisting of two launch areas under construction, a complex support facility, and a rail-to-road transfer point was identified on KEYHOLE photography of February-March 1962 near the town of Teykovo and about 15 nautical miles (nm) southwest of Ivanovo (Figure 1). A third launch area under construction was identified on

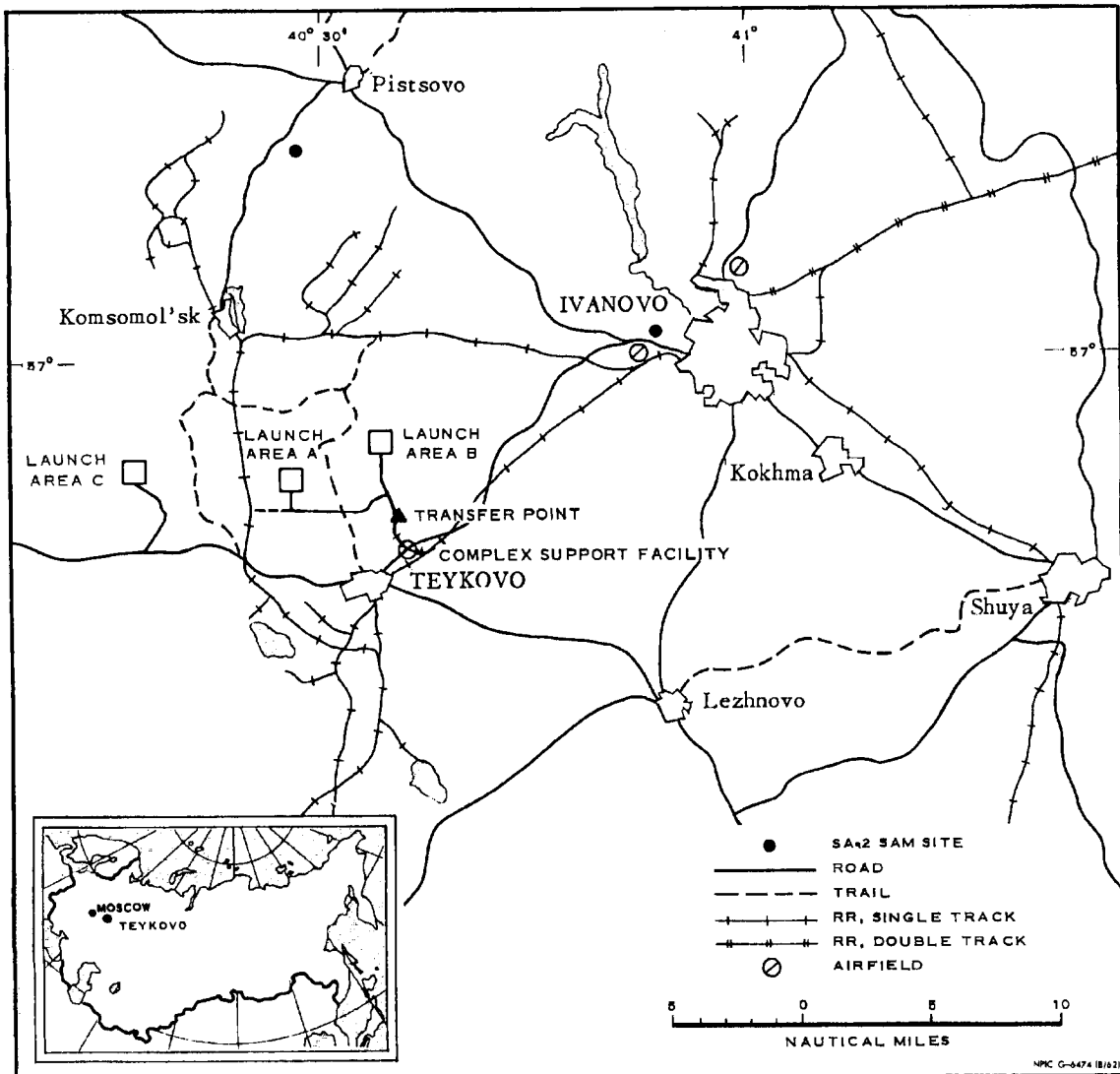


FIGURE 1. AREA ORIENTATION MAP.

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photography of April 1962. A survey of previous photography of the complex area revealed no construction activity in August 1960; however, one year later, in September 1961, the Complex Support Facility and Rail-to-Road Transfer Point were under construction. The locations of the launch areas were cloud covered at the time of the later photography. In December 1961, construction of Launch Area A had started, but no recognizable pattern had evolved.

LAUNCH AREAS

The three launch areas comprising the Teykovo Complex, each in a wooded location, are of Yur'ya Type 2. They are in various stages of construction and are on an azimuth of approximately 295 degrees (± 5 degrees). The straight-line distance between Launch Areas A and B is 3.6 nm, between Launch Areas A and C 5.6 nm, and between Launch Areas

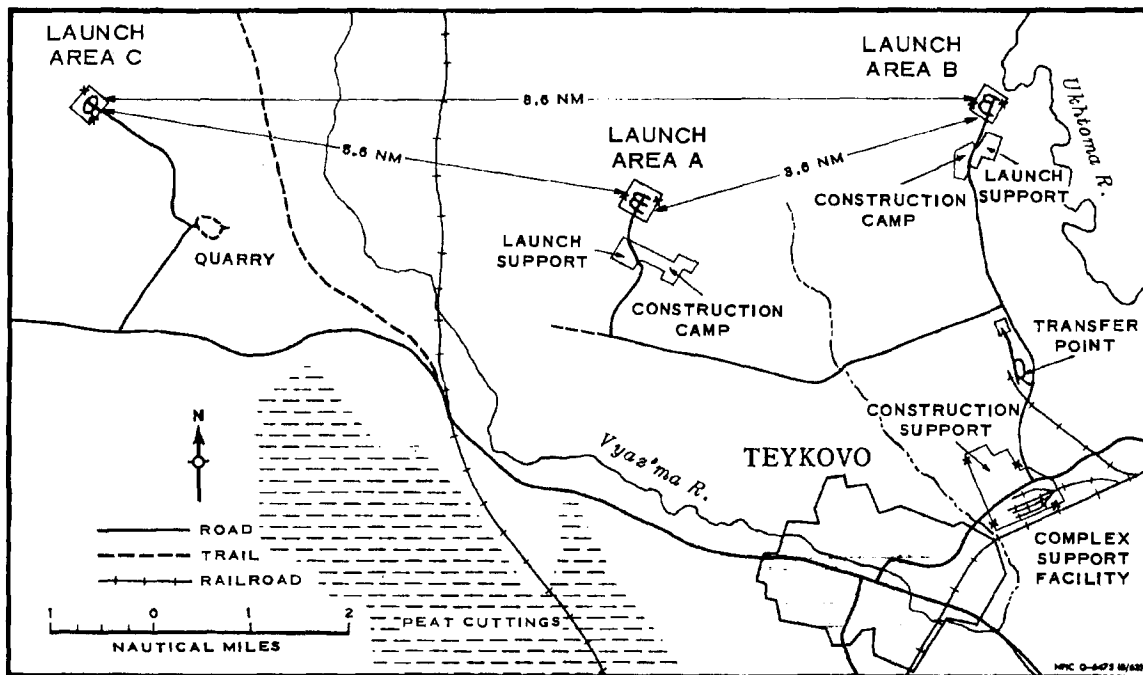


FIGURE 2. ICBM LAUNCH COMPLEX, TEYKOVO, USSR.

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B and C 8.6 nm (Figure 2). A search of photography did not reveal any missile transporters within the complex. 25X1

25X1

Launch Area A. Launch Area A is located at 56-54-□N 40-26-□E, approximately 4.5 nm northwest of Teykovo (Figure 3). It lies approximately 4.25 nm west-northwest of the Rail-to-Road Transfer Point in a straight line and 7.1 nm by the complex main road.

Each of the launch pads contains an elongated dark object, possibly an erector or carriage, 75 to 80 feet in length and of an irregular and undeterminable width. The launch pads are elliptical and measure approximately 325 by 115 feet. Cable galleries connect the launch pads to the launch control bunker. The more northerly pad is supported by a canted missile-ready building 170 by 125 feet. An unidentified object 80 feet long is on the apron in front of the building. The other ready building, under construction, is directly in line with the pad. Each building lies 700 feet behind its respective pad. The offset road is still under construction. A security building is located on the service road immediately outside the fence surrounding the area and approximately 1,200 feet south of the center of the launch area. A ditch, the purpose of which is unknown, has been dug from the southern side of the northern ready building to the launch support area.

The launch support area for Launch Area A lies approximately 3,400 feet south of the launch area and contains 4 two-story buildings, 4 single-story buildings, and 2 buildings under construction. A construction camp lies approximately 1,500 feet southeast of the launch support area and consists of 9 two-story buildings, each approximately 150 by 40 feet; one two-story building, 100 by 40 feet; 4 one-story buildings, each 140 by 30 feet; 2 L-shaped buildings, each 120 by 100 feet overall; 7 one-story buildings, each 100 by 30 feet; and 11 smaller structures. 25X1

25X1

Launch Area B. Launch Area B, located at 56-56-□N 40-33-□E (Figure 4), is approximately 5.1 nm north of Teykovo and 2.8 nm north-northwest of the Rail-to-Road Transfer Point. The distance by the complex main road from the Transfer Point is approximately 3.2 nm.

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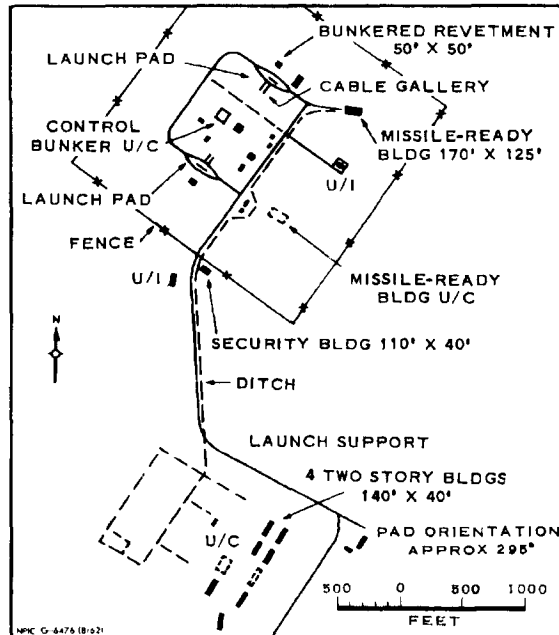
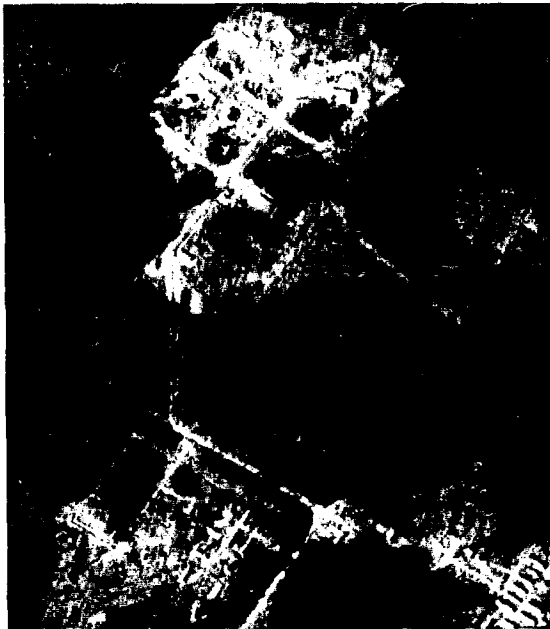


FIGURE 3. LAUNCH AREA A (April 1962).

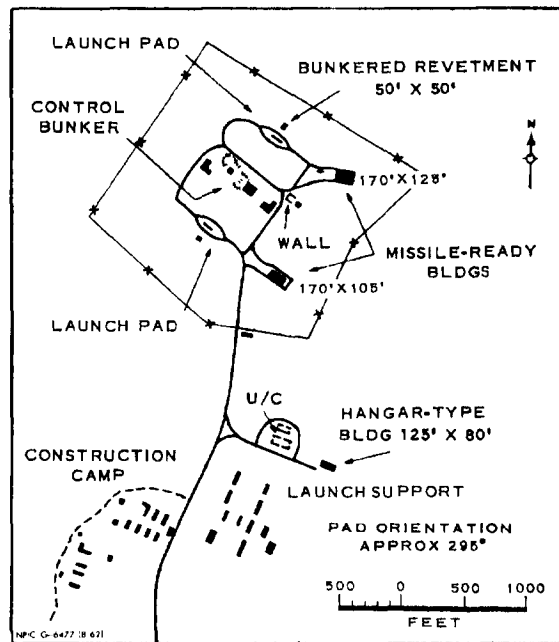


FIGURE 4. LAUNCH AREA B (April 1962).

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Each of the launch pads has an elongated object 85 feet in length and of undeterminable width, similar to those at Launch Area A. These objects appear to be higher than those at Launch Area A. The launch pads are similar in configuration and size to those at Launch Area A, but tree shadows preclude making detailed measurements. The launch control area contains a bunker 120 by 60 feet, a building 85 feet square, and a small structure 20 feet square located in an excavation. Two L-shaped buildings are located in the immediate launch area, the eastern one measuring 105 by 105 feet overall and the western one 110 by 85 feet overall. The western one of these buildings has an unidentified object on the roof that appears to be a dome and may be a guidance facility.

The northern pad is supported by a canted ready building which lies 600 feet behind the pad. The ready building serving the southern pad is in line with the pad and is 700 feet behind the pad. Just outside the fence surrounding the area and along the service road is a security building. Vague evidence of a scar connecting the northern ready building and the launch support area may indicate a possible buried pipe or cable.

The launch support area lies approximately 2,400 feet south of the launch area and consists of 5 three-story buildings, 4 two-story buildings, 2 single-story buildings, a hangar-type building, and 2 buildings under construction. A construction camp, consisting of approximately 20 buildings, lies across the access road from the launch support area. All structures in the camp appear to be single story. There are 4 buildings approximately 110 by 30 feet each; 3 buildings 100 by 30 feet each; 2 L-shaped buildings, one 130 by 90 feet overall and the other 100 by 100 overall; and 9 miscellaneous structures. A motor pool is located in the southern part of the camp and contains probable earth movers, at least 30 trucks, and smaller vehicles and equipment. 25X1

25X1

Launch Area C. Launch Area C, located at 56-55-□N 40-16-□E (Figure 5), is 9.6 nm west-northwest of Teykovo and 9.8 nm west of the Rail-to-Road Transfer Point. At present the only connection with the Transfer Point is by way of the highway through Teykovo.

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As of April 1962, only the basic rectangular pattern of the launch area was recognizable and no buildings were evident. A ditch connecting the launch pad areas bisects the launch area. No security fencing was evident at the time of the April 1962 coverage.

Approximately 13 single-story structures are located in the vicinity of the launch area. In one clearing located 2,700 feet south of the launch area are four buildings, each approximately 100 by 30 feet. Located 2,600 feet southeast of the launch area is a second clearing, probably intended for the launch support area, containing one building 130 by 40 feet and an L-shaped building 90 by 70 feet overall. A building 40 feet square lies on the opposite side of the access road from the second clearing. A third clearing approximately one nm southeast of the launch area and adjacent to the access road contains 6 buildings, 5 of which are approximately 100 by 30 feet and one approximately 120 by 30 feet.

The access road at present utilizes an existing quarry road to the highway which passes through Teykovo. The quarry and its service

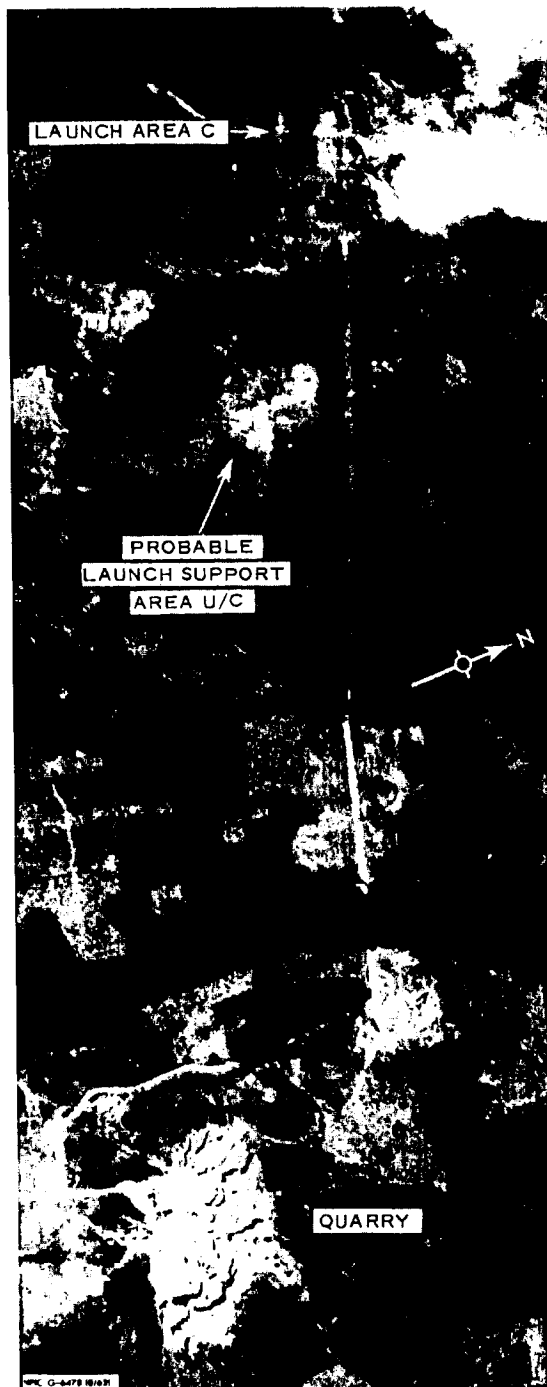


FIGURE 5. LAUNCH AREA C (April 1962).

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road existed as early as July 1956. The complex main road may be continued to Launch Area C so as to avoid having to utilize the main highway through Teykovo.

RAIL-TO-ROAD TRANSFER POINT

25X1

25X1

The Rail-to-Road Transfer Point lies in a partly cleared wooded area at 56-53 [] N 40-34 [] E, approximately 2.5 nm north-northeast of Teykovo and 1.5 nm north-northwest of the Teykovo-Ivanovo railroad line (Figure 6). A spur 1.7 nm in length serves the transfer point from the main rail line. The roads within the transfer point have an average width of 20 feet.

The main section of the transfer point consists of a concrete loop road 955 by 400 feet; two concrete hardstands, one [] feet and the other 230 by 60 feet; one and possibly two rail sidings with an associated hardstand 650 by 45 feet; and approximately five buildings. A second loop road to the south lies between the main section and the complex main road.

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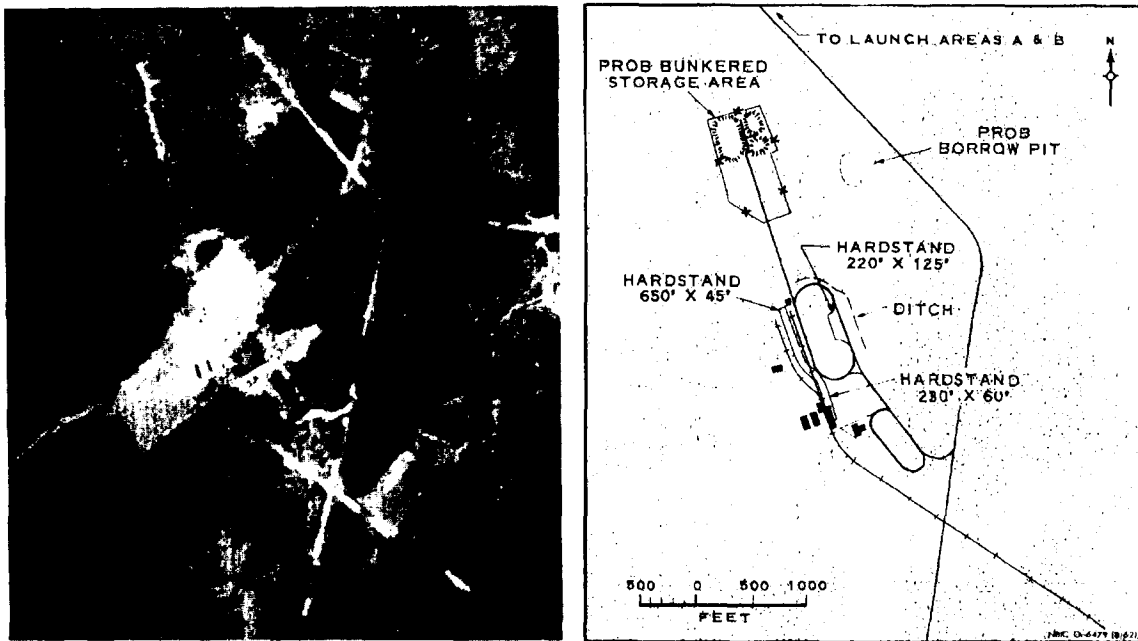


FIGURE 6. RAIL-TO-ROAD TRANSFER POINT (April 1962).

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Adjacent to the northwest corner of the second loop road is a T-shaped probable high-bay building 120 by 90 feet. There is no evidence of security fencing around the area.

North of the main loop road at the end of a road from the transfer point is a probable bunkered storage area within a security fence measuring 1,000 by 650 feet. This area contains three probable bunkers measuring 100 by 100 feet, 160 by 100 feet, and 325 by 100 feet.

COMPLEX SUPPORT FACILITY

The Complex Support Facility straddles the Teykovo-Ivanovo main road, which separates the rail spurs to the south from the housing-administration and warehouse areas to the north (Figure 7). The rail spur serving the support facility is different from that serving the Rail-to-Road Transfer Point. This is only the second time that two such spurs have been observed at a Soviet ICBM complex and may indicate that the missiles are not necessarily processed through the Complex Support Facility but may go directly to the Transfer Point. The other instance of such an arrangement is at Kostroma. The Complex Support Facility appears to be primarily a main construction base rather than a direct operational base for the complex.

The Complex Support Facility, located immediately northeast of Teykovo, is served primarily by a rail spur which branches into three, and possibly four, parallel spurs. From north to south, these spurs measure about 2,600, 3,500, 3,500, and 2,900 feet and are about 515, 400, and 430 feet apart.

The area between the spurs appears to be used for storage of construction materials. At least 25 buildings are located in this area, about 8 of which are grouped around one section of the spur in the center of the facility. The largest of these structures is about 165 by 70 feet, and two of them appear to be standard concrete batching plants. Two other structures or buildings also are served by conveyers. The remainder of the

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FIGURE 7. COMPLEX SUPPORT FACILITY (April 1962).

center of the facility between the first and third spurs appears to be used for open storage. Between the third and possible fourth spur there appears to be a warehouse area consisting of 7 or 8 buildings, the largest two of which are approximately 145 by 60 feet. Eight or more smaller buildings lie north of the first spur.

North of the Teykovo-Ivanovo main road is a quadrangle of 10 two-story barracks each 145 by 40 feet; a group of 38 structures at least 20 of which appear to be barracks measuring 80 by 25 feet; 13 single dwelling units measuring 50 by 30 feet; three fenced areas, two of which appear to be vehicle or equipment storage pools and contain at least two buildings each and the third of which contains two or more buildings; 12 or more miscellaneous buildings; and a water tower

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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>
	Jul 56				TOP SECRET CHESS
	Aug 60				TOP SECRET RUFF
	Sep 61				TOP SECRET RUFF
	Dec 61				TOP SECRET RUFF
	Mar 62				TOP SECRET RUFF
	Apr 62				TOP SECRET RUFF

MAPS OR CHARTS

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25X1

SAC. US Air Target Chart, Series 200, Sheet 0154-19A, 1st ed, Dec 58, scale 1:200,000 (SECRET)

REQUIREMENT

CIA. DDI/RR/E/R-48/62

NPIC PROJECT

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