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NPIC/R-240/64  
April 1964

PHOTOGRAPHIC INTERPRETATION REPORT

# ICBM COMPLEX, VERKHNYAYA SALDA, USSR



CIA



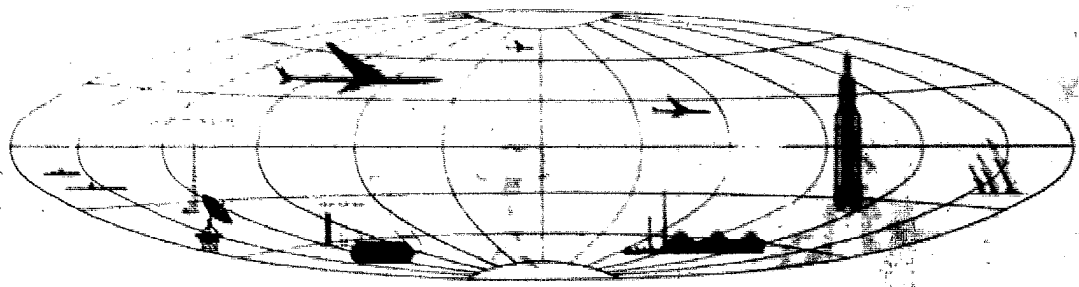
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PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX,  
VERKHNYAYA SALDA, USSR

NPIC/R-240/64

April 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

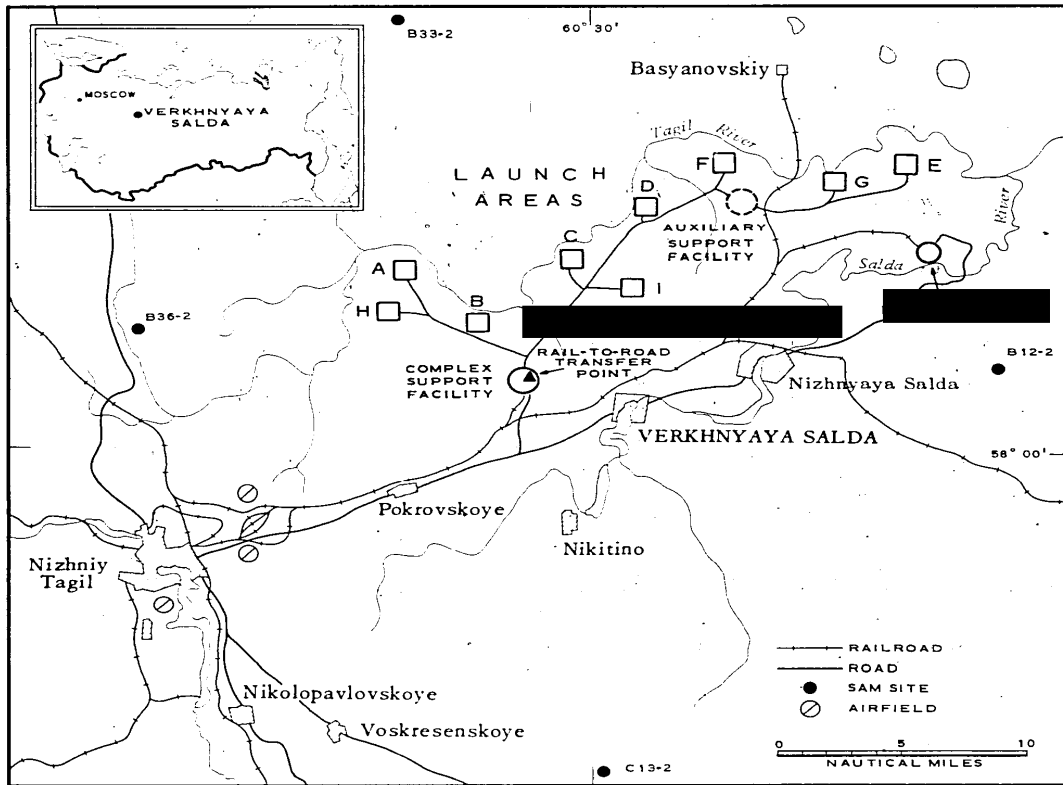
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25X1A

Launch Site A (TDI Site 2)	58-09N 60-16E
Launch Site B (TDI Site 1)	58-06N 60-22E
Launch Site C (TDI Site 3)	58-10N 60-28E
Launch Site D (TDI Site 4)	58-12N 60-34E
Launch Site E (TDI Site 5)	58-14N 60-54E
Launch Site F (TDI Site 7)	58-14N 60-41E
Launch Site G (TDI Site 8)	58-13N 60-49E
Launch Site H (TDI Site 9)	58-05N 60-13E
Launch Site I (TDI Site 10)	58-07N 60-33E



25X1D

25X9

FIGURE 1. LOCATION OF COMPLEX.

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ICBM COMPLEX, VERKHNYAYA SALDA, USSR

INTRODUCTION

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The Verkhnyaya Salda ICBM Complex is located in a forested area of gently rolling hills north of the town of Verkhnyaya Salda, along the south bank of the Tagil river (Figure 1). It extends 23.5 nautical miles (nm) in a generally northeast-southwest direction, and consists of a complex support facility, a rail-to-road transfer point,

complex road network.

25X9

25X9

25X1D

25X1D

25X1D

[redacted] an auxiliary support facility, and nine launch areas. The launch areas include 2 Type IIA sites (B and C), 3 Type IIB sites (A, D, and E), 2 Type IIC sites (H and I), and 2 Type IIIA sites (F and G). The Type II sites all have an orientation of 345 degrees, [redacted]. The Type III sites are oriented on an azimuth of 45 degrees, [redacted]. Wide-radius turns are present throughout the

[redacted] There was no evidence of the complex on TALENT photography of [redacted] although the rail spur which serves the complex support facility was under construction. The complex support facility and launch areas A and B were visible on KEYHOLE photography of [redacted]

25X1D

25X1D

The complex is situated in an area of heavy surface-to-air missile (SAM) defenses.

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- Nizhniy Tagil SAM Site B36-2, [redacted]
- Nizhniy Tagil SAM Site B27-2, [redacted]
- Nizhniy Tagil SAM Site C13-2, [redacted]
- Nizhniy Tagil SAM Site D28-2, [redacted]
- Verkhnyaya Salda ICBM Complex SAM Site B12-2, [redacted]
- Verkhnyaya Salda ICBM Complex SAM Site B33-2, [redacted]
- Verkhnyaya Salda ICBM Complex SAM Site D03-2, [redacted]

25X1A

COMPLEX SUPPORT FACILITY

The complex support facility at 58-02N 60-23E is 5 nm west-northwest of Verkhnyaya Salda. It contains a railhead and storage area, an administration and housing area, and a housing area (Figures 2 and 3). The entire facility covers an area approximately 1.5 by 0.7 nm and contains about 318 buildings. No security measures are evident. The facility is road and rail

served. The complex main road leads from the Nizhniy Tagil-Verkhnyaya Salda highway through the complex support facility to the launch areas. It is also served by a spur that branches from the Nizhniy Tagil-Verkhnyaya Salda rail line at a point 13 nm east of Nizhniy Tagil.

The main spur branches into three spurs that serve the railhead and storage area east of

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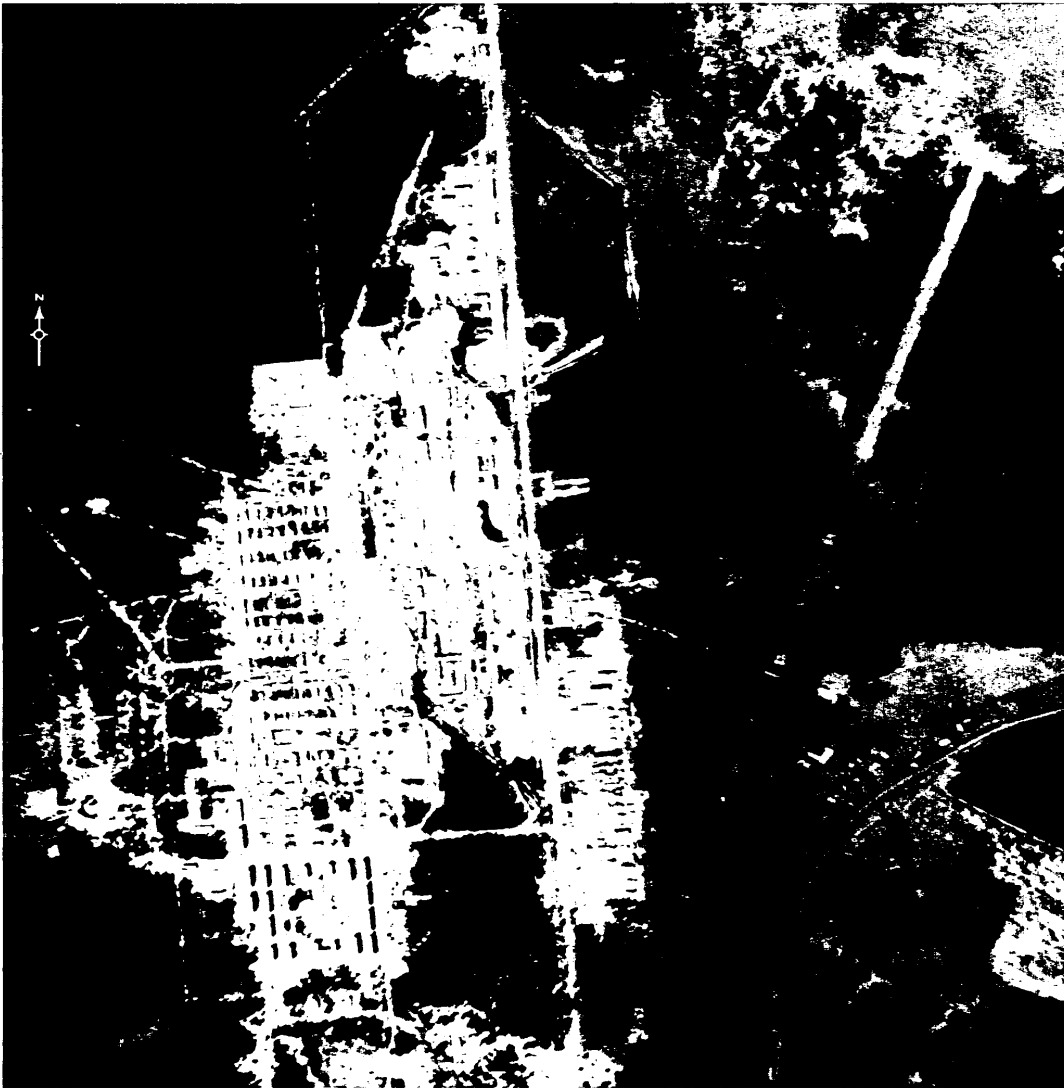


FIGURE 2. COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT.

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- 2 -

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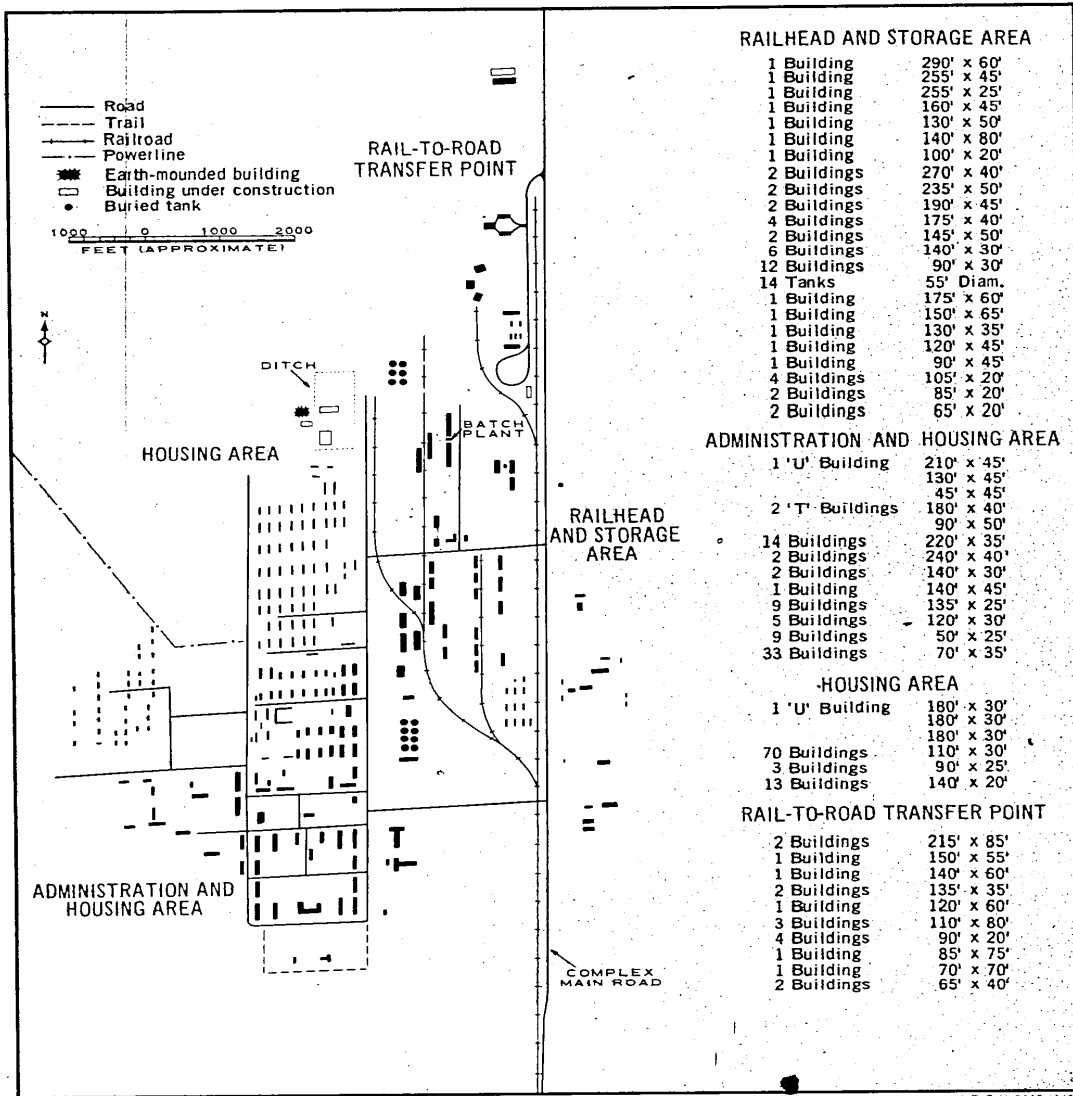


FIGURE 3. LAYOUT OF COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT.

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the housing area. Twenty-seven medium-to-very-large warehouse-type structures and about 50 associated smaller structures are located adjacent to the three spurs in an area 1.0 by 0.4 nm square. The westernmost spur continues on to a probable POL storage area containing six buried tanks. A possible POL storage area containing eight buried tanks is located at the south end of the railhead, and a batch plant is located near its center. Open storage, piles of material, and track activity are evident throughout the area.

The administration and housing area is located in the southwest end of the complex support facility. It contains 14 large multistory

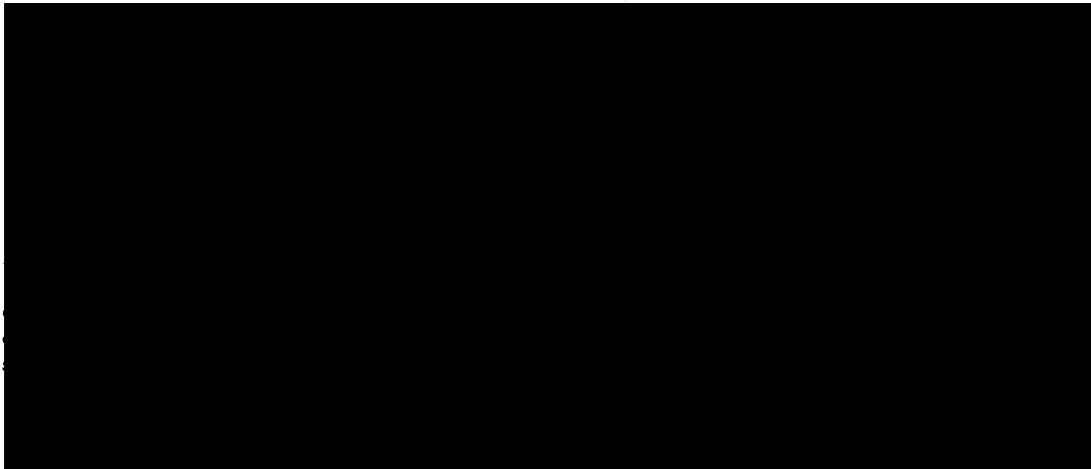
housing units (probably apartment-type buildings), a U-shaped administration building, several probable administrative support buildings, two T-shaped probable messhalls, and a probable family-type housing section of 33 small units. The housing area, in the northwest part of the complex support facility, contains about 86 single-story barracks (probably for construction workers), 16 multistory barracks (probably for military personnel), and several miscellaneous buildings of various sizes. An earth-mounded building facing a rectangular area almost surrounded by a ditch, and three buildings under construction, are located immediately north of the housing area.

RAIL-TO-ROAD TRANSFER POINT

The rail-to-road transfer point at 58-02N 60-23E is located immediately north of the complex support facility railhead and storage area (Figures 2 and 3). It is served by the main rail spur, which terminates there, and a branch siding. An access road branches from the complex main road at a "Y" intersection at the north end of the transfer point and parallels the west

side of the main rail spur in a southerly direction, terminating in a loop with a turning radius of approximately 145 feet. Total length of the access road, including the loop, is 3,100 feet. Twenty-five structures are located on the west side of the access road, including a triangular grouping with a well-defined parking apron. No security measures are evident.

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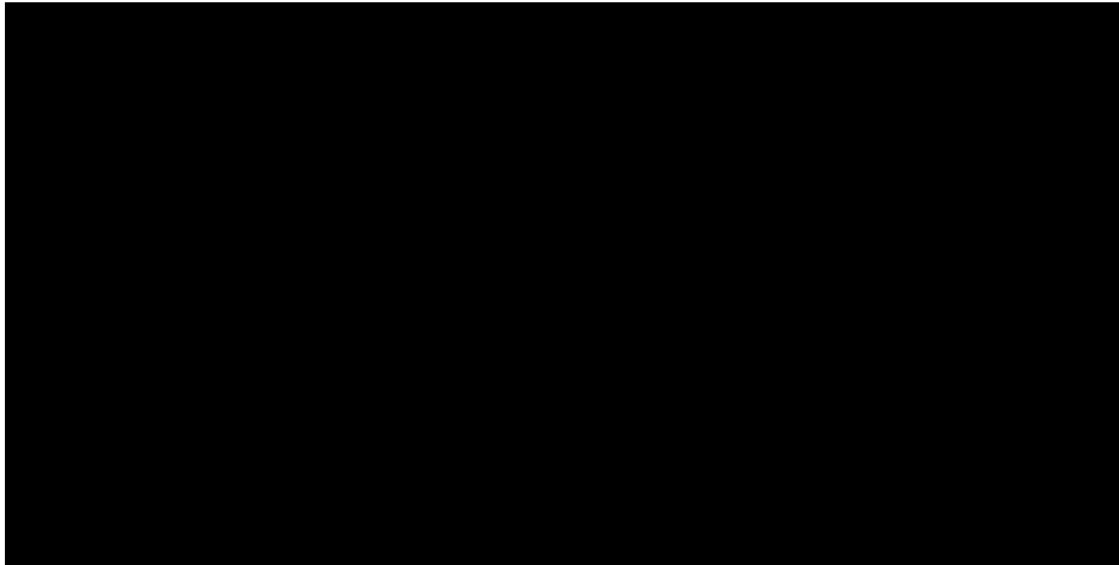


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#### AUXILIARY SUPPORT FACILITY

An auxiliary support facility is located 15 nm northeast of the complex support facility at 58-13N 60-42E (Figure 5). It probably serves as a forward construction area for the complex, and as a transfer point for construction materials shipped by rail. It is located on both sides of the complex main road between Launch Areas F and G, and is served by a spur from a rail line serving an area of peat cutting and processing around the village of Basyonovskiy. The spur branches into two secondary spurs within the facility. One, approximately 3,100 feet, extends to the northwest end of the facility. The other, about 1,500 feet, appears to terminate near a

batch plant at the southeast end of a rectangular access road pattern. No security measures are evident.

Activity is concentrated in an area about 6,000 feet by 3,500 feet parallel to the northeast side of the complex main road, primarily used for open storage. It contains four small buildings and one large warehouse-type building adjacent to the batch plant.

A housing area containing 15 barracks-type buildings, 9 probable family-type quarters, 2 L-shaped buildings, 4 possible storage buildings, and 8 miscellaneous buildings is located on the southwest side of the complex main road.

#### LAUNCH AREA A

Launch Area A consists of a completed Type IIB launch site and a site support facility

located 7.1 nm north-northwest of the complex support facility (Figure 6). TALENT photography

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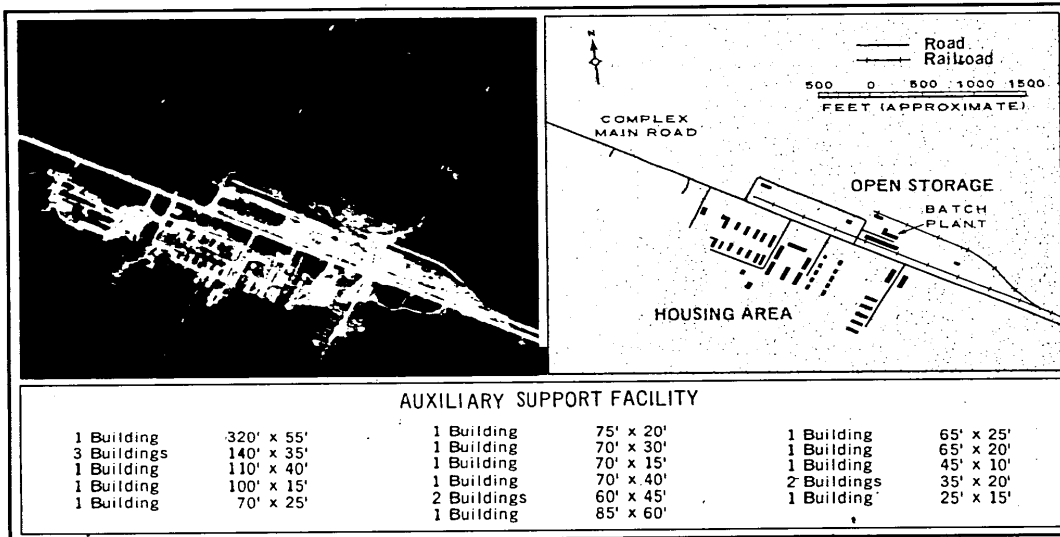
negated the area. It was first seen in [redacted] and was considered complete in [redacted]

25X1D

The launch site is located in a wooded area of approximately 85 acres enclosed by a double security fence. The elongated pads, with an erector/shelter evident on each, average about 425 feet in length. A missile-ready building is located about 600 feet behind each pad. The right building is in line with its pad. The left building is canted outward about 5 degrees from the long axis of its pad. The center service road is offset to the right. It has a control bunker, two earth-mounded objects, and three buildings along its west side. Another possible building lies just west of the southernmost of the three

buildings. A small earth-mounded structure located east of the right missile-ready building and a small earth-mounded structure outboard of each pad constitute the warhead handling facility. There is a probable gatehouse immediately outside the fence.

The site support facility is located 2,500 feet south of the launch site. It consists of an administration and housing section with 18 barracks-type buildings and at least 2 other buildings, a possible technical section with 2 medium-sized buildings and 2 small buildings served by a loop road, and a housing section with 6 single-story barracks and one small building. The housing section is located on the right side of the access road, approximately 3,350 feet south.



25X1D

FIGURE 5. AUXILIARY SUPPORT FACILITY.

LAUNCH AREA B

Launch Area B consists of a completed Type IIA launch site and a site support facility located 4.1 nm north of the complex support facility

(Figure 7). Its photographic coverage history is the same as that for Launch Area A.

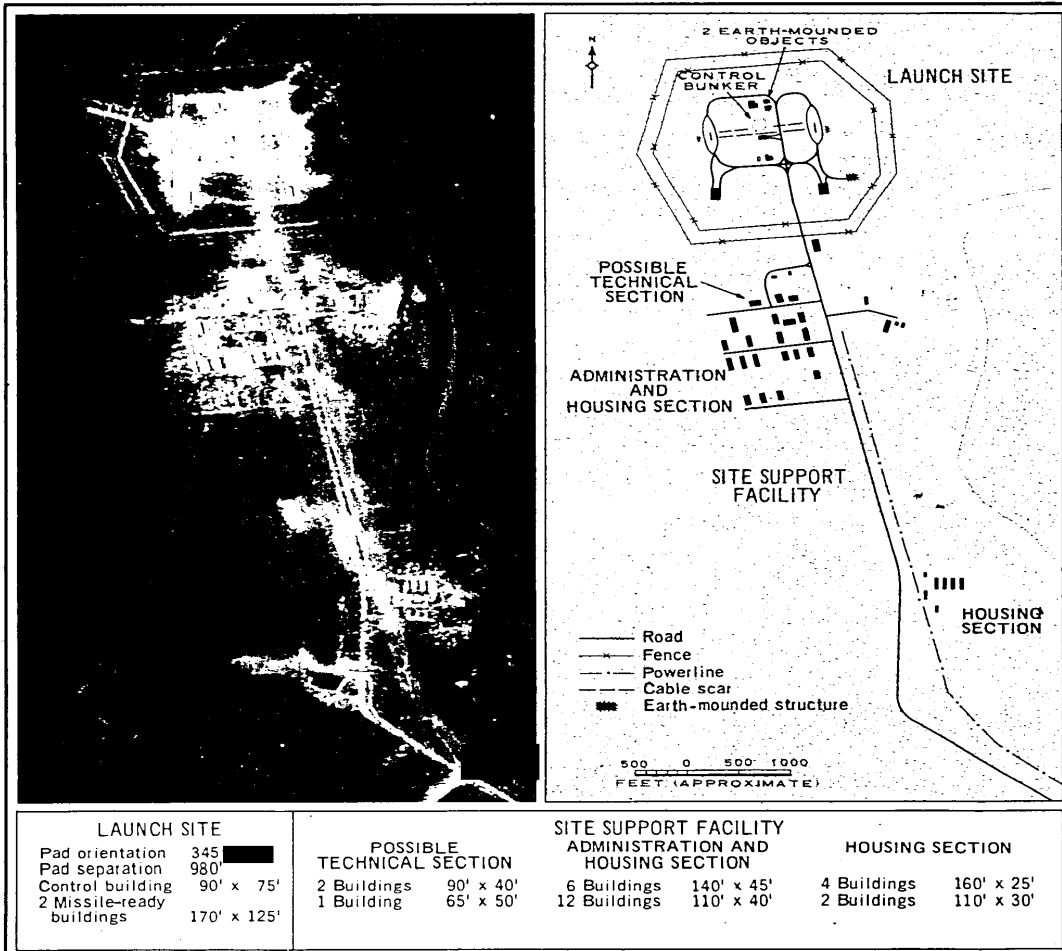


FIGURE 6. LAUNCH AREA A.

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25X1D

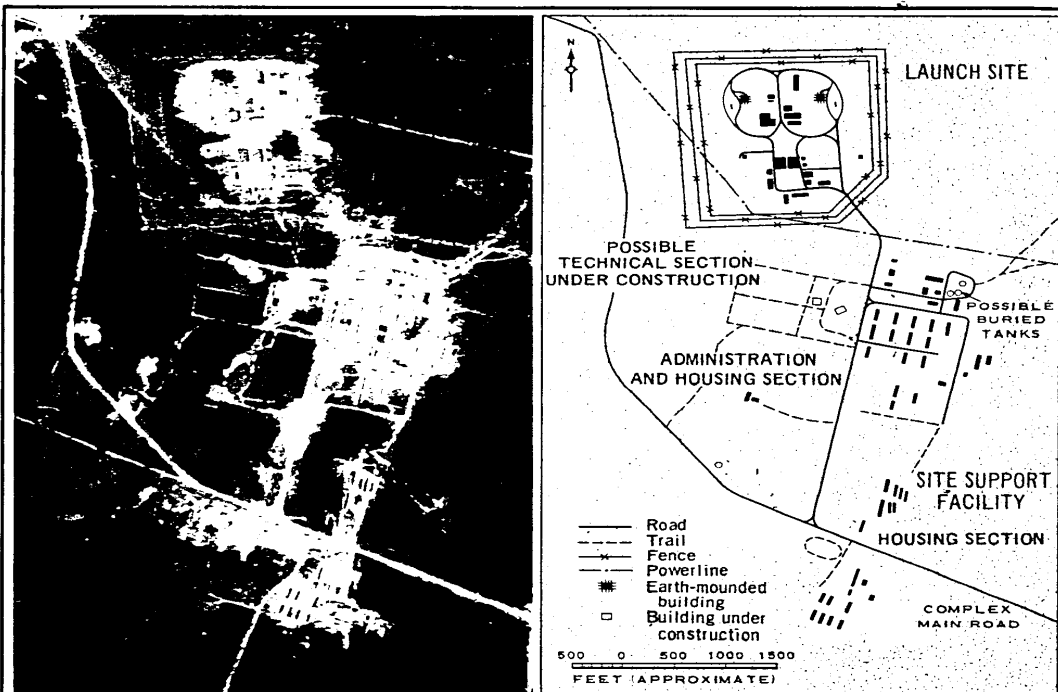
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The launch site is located in a wooded area of approximately 80 acres enclosed by a triple security fence. An erector/shelter is apparent

on each of the elongated pads. Two missile-ready buildings are located side-by-side on an apron in a central position 800 feet behind the



25X1D

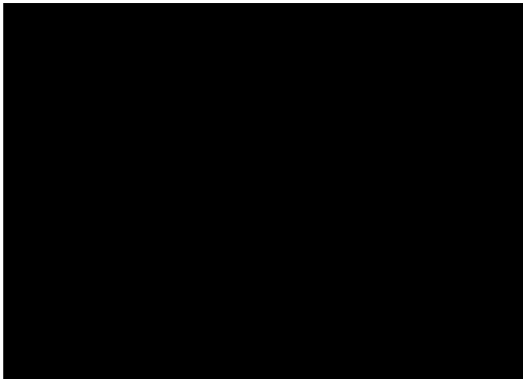
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LAUNCH SITE		SITE SUPPORT FACILITY	
Pad orientation	345°	ADMINISTRATION AND HOUSING SECTION	
Pad separation	980'	HOUSING SECTION	
2 Missile ready buildings	170' x 110'	14 Buildings	140' x 45'
1 Building	105' x 50'	1 Building	130' x 60'
1 Building	150' x 40'	1 Building	175' x 40'
2 Buildings	100' x 35'	1 Building	160' x 50'
1 Building	100' x 80'	2 Buildings	110' x 55'
1 Building	150' x 35'	1 Building	80' x 40'
1 'L' building	150' x 85'	POSSIBLE TECHNICAL SECTION UNDER CONSTRUCTION	
1 'U' building	85' x 70'	1 Building	120' x 85'
	100' x 75'	1 Building	135' x 85'

FIGURE 7. LAUNCH AREA B.

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25X9



The site support facility consists of an administration and housing section, a housing

section, and a possible technical section under construction. The administration and housing section, immediately southeast of the launch site, on the east side of the access road, contains 15 barracks-type buildings and 29 other buildings. A loop road encircles an area containing three possible buried tanks at the northeast corner of the administration and housing section. A housing section containing about 15 single-story barracks and two other buildings is located south of the administration and housing section, along both sides of the complex main road. Two large buildings under construction indicate the position of a possible technical section across from the administration and housing section on the west side of the access road.

LAUNCH AREA C

25X1D

25X1D

25X1D

Launch Area C consists of a completed Type IIA launch site and a site support facility located 8.5 nm north-northeast of the complex support facility (Figures 8 and 9). TALENT photography of [redacted] negated the area. It was first observed in [redacted] and was considered complete in [redacted].

The launch site is located in a wooded area of approximately 80 acres enclosed by a double security fence 1,800 feet square. Components of the launch site are nearly similar to those at Launch Area B.

The site support facility is located about 3,000 feet south of the launch site. It consists of an administration and housing section containing 15 barracks-type buildings and at least 15 other buildings; an additional housing section just west-southwest of the administration and housing section containing at least 3 single-

story barracks; and one large, road-served building under construction northeast of the administration and housing section, on the east side of the access road, which is the probable future location of a possible technical section.

A group of 18 buildings, including 9 barracks-type, one L-shaped building, and one T-shaped messhall, are located on both sides of the access road near its junction with the complex main road.

Several groups of buildings (16 buildings in all) are located along the banks of a dry stream, about one nm north of the road junction. They are connected to the complex main road and the access road by an irregular, unimproved road network. Three of these buildings average 300 by 30 feet with a fourth building of this size possibly under construction. Their function has not been determined.

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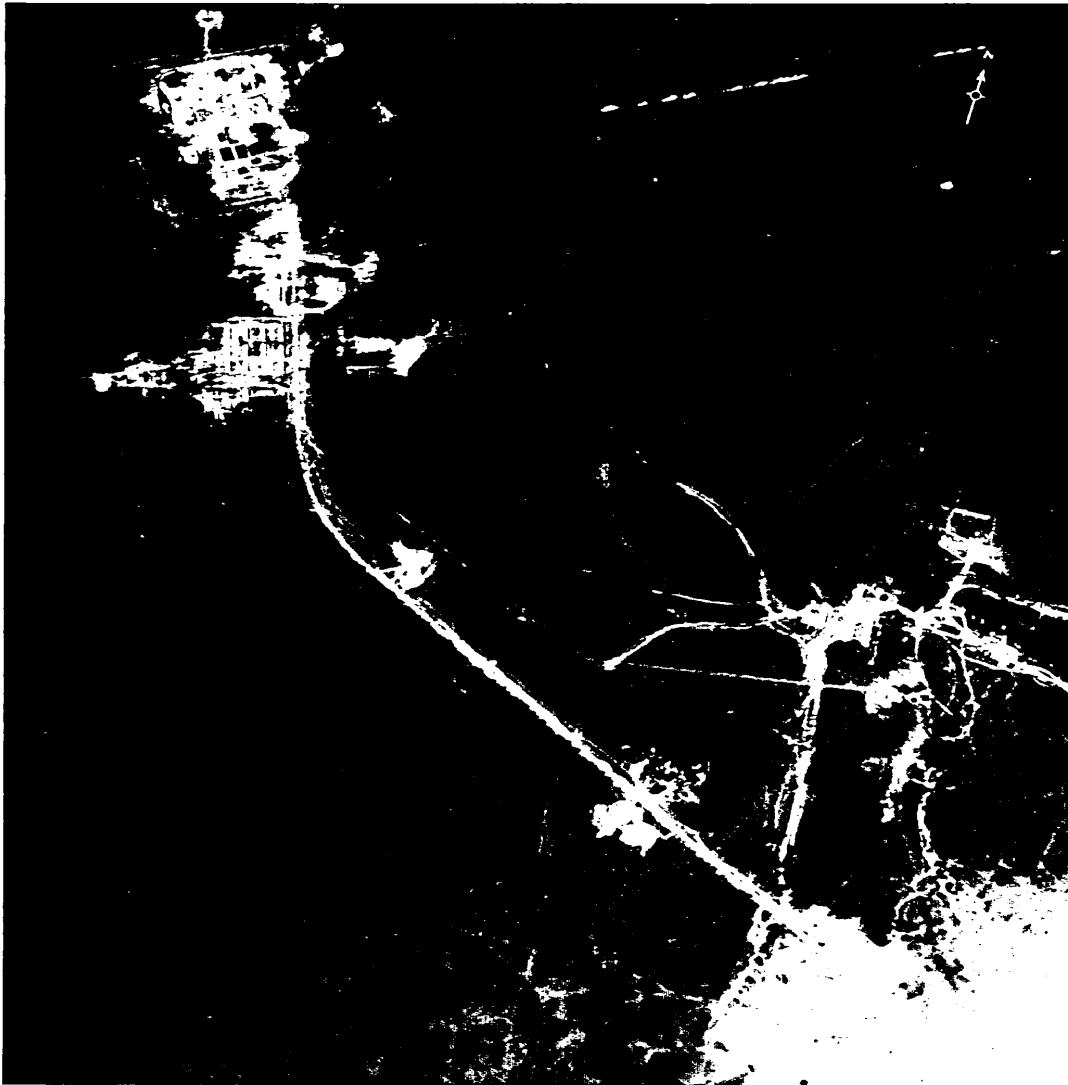


FIGURE 8. LAUNCH AREA C.

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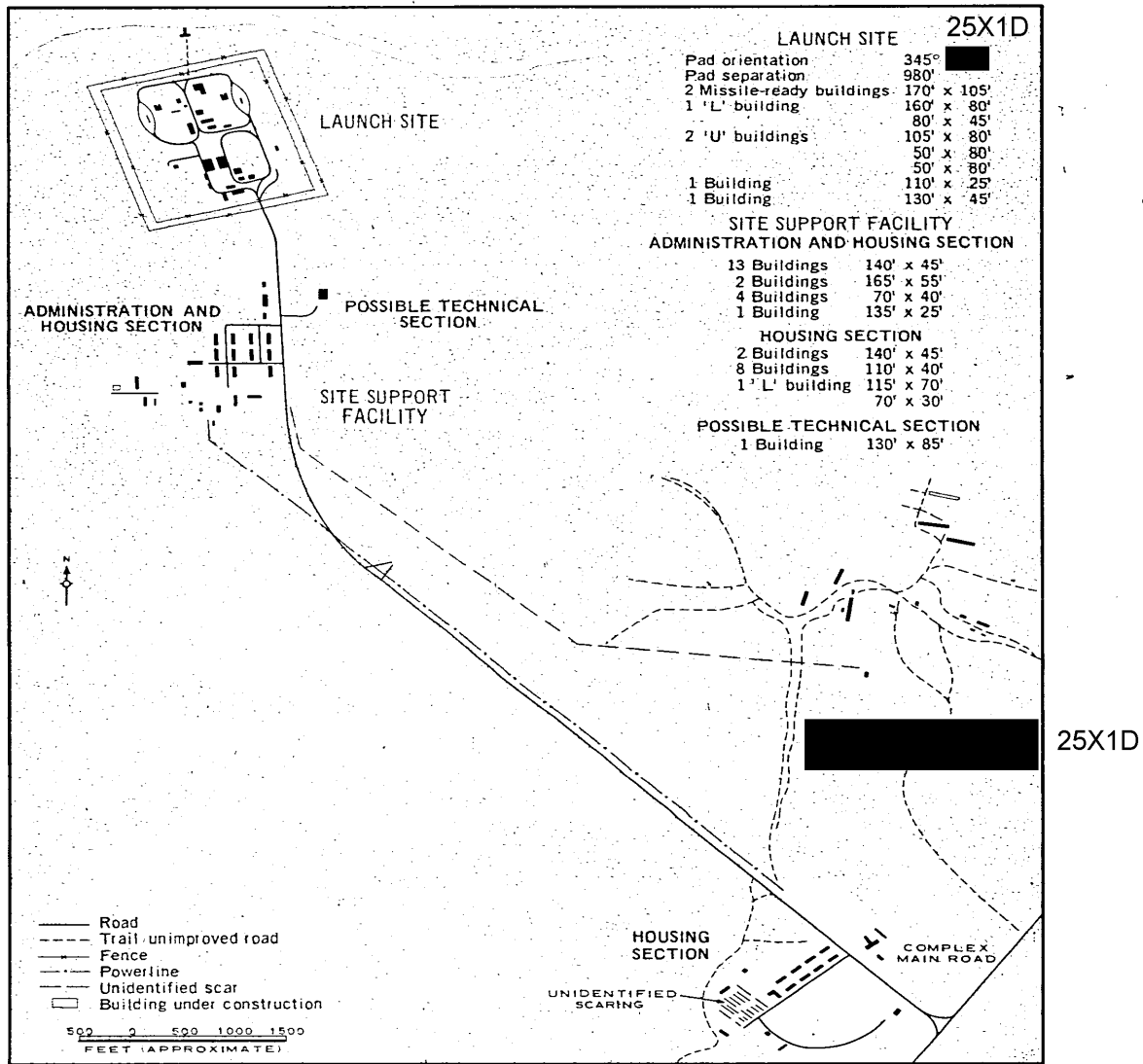


FIGURE 9. LAYOUT OF LAUNCH AREA C.

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LAUNCH AREA D

25X1D

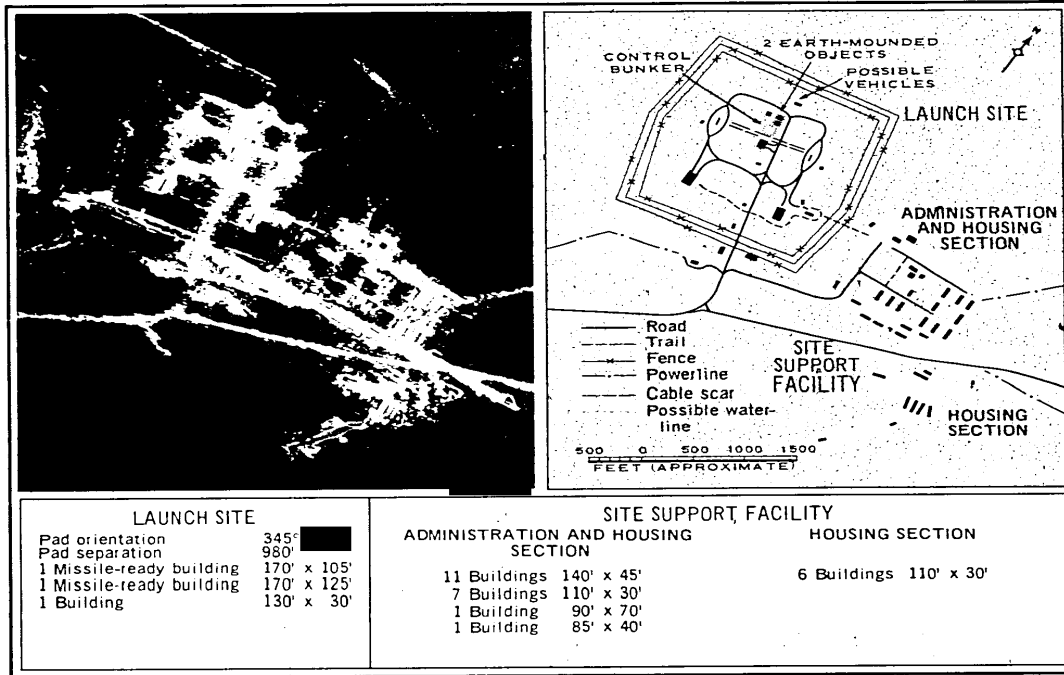
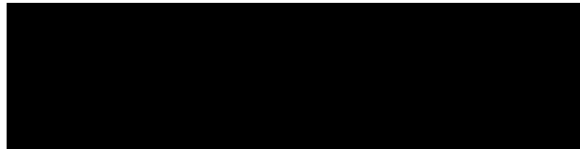
25X1D

Launch Area D consists of a completed Type IIB launch site and a site support facility located in a wooded area 11.6 nm north-northeast of the complex support facility (Figure 10). TALENT photography of [redacted] negated the area. It was first seen in a late stage of construction in [redacted] and was complete [redacted]

ready building, in line, 650 feet to the rear of the right pad. Another missile-ready building, canted outward about 5 degrees, is 650 feet to the rear of the left pad. The center access road is offset to the right and has a control bunker, two earth-mounded objects, and 3 buildings along its left side and a possible row of vehicles

25X9

The launch site covers approximately 85 acres and is enclosed by a triple security fence. An erector/shelter is evident on each of the elongated pads. There is one missile-



25X1D

FIGURE 10. LAUNCH AREA D.

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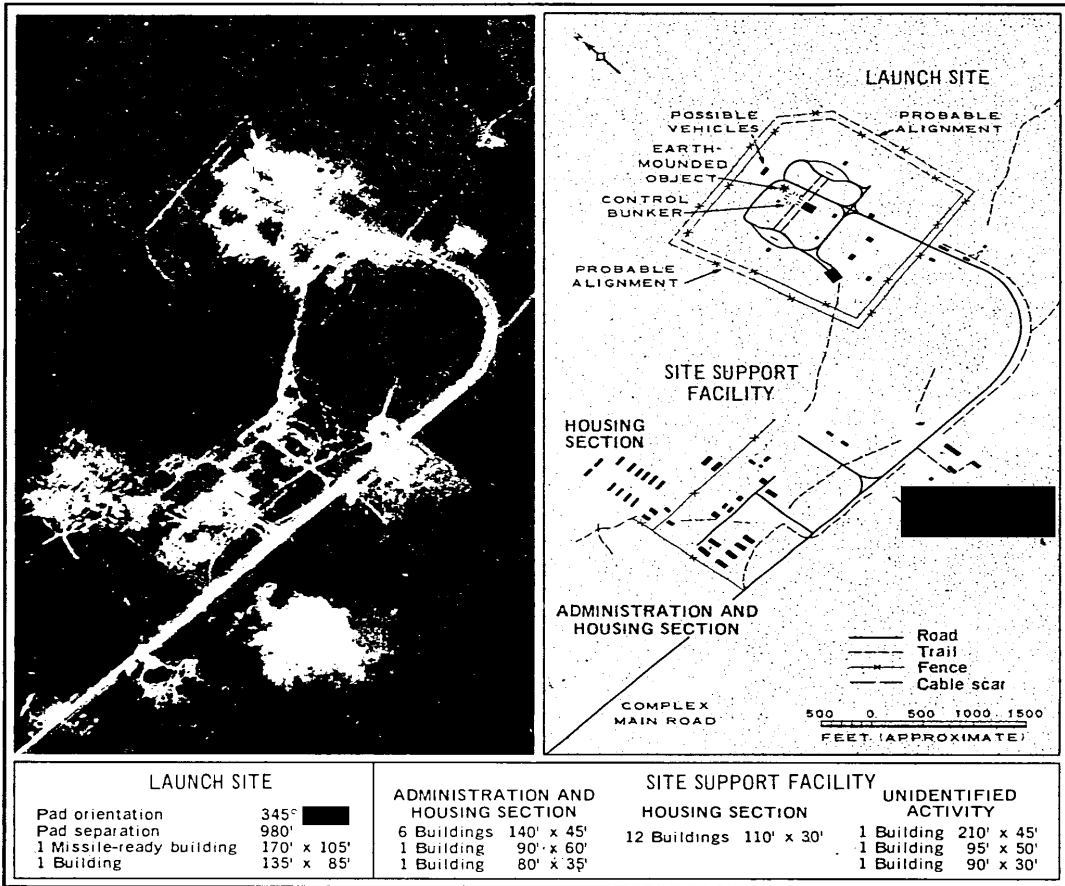


25X9



The site support facility consists of an administration and housing section adjacent to the east side of the launch site, and an additional

housing section immediately south and across the access road. The former contains 21 barracks-type buildings and 11 other buildings. The latter contains 6 single-story barracks.



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FIGURE 11. LAUNCH AREA E.

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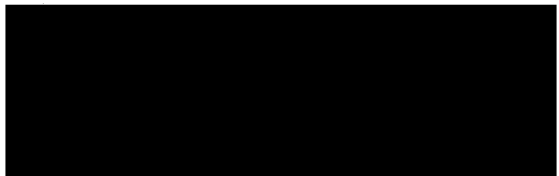
LAUNCH AREA E

Launch Area E consists of a completed Type IIB launch site and a site support facility located in a wooded area 20.3 nm northeast of the complex support facility (Figure 11). TALENT photography of [redacted] negated the area. It was first seen in an early stage of construction in [redacted] was comple [redacted]

25X1D

25X1D

25X1D



The site support facility is located 4,000 feet west-southwest of the launch site. It consists of an administration and housing section and a housing section. The former contains 6 barracks-type buildings and about 15 other buildings. The latter, immediately north of the administration and housing section, contains 12 single-story barracks-type buildings and 4 miscellaneous buildings. An area of unidentified activity containing at least 5 buildings is located southeast of the site support facility on the south side of the complex main road.

The launch site is approximately 2,200 feet on each side and is enclosed by a double security fence. An erector/shelter is evident on each of the pads. A single missile-ready building is located to the rear of the left pad, canted outward at an angle of about 5 degrees to its long axis. The center service road is offset to the right and has a control bunker, an earth-mounded object, and 4 buildings on the left side, and a possible row of vehicles at the top. [redacted]

25X9

LAUNCH AREA F

Launch Area F consists of a completed Type IIIA launch site and a site support facility located in a wooded area 15.3 nm north-northeast of the complex support facility (Figure 12). TALENT photography of [redacted] negated the area. It was first observed in a midstage of construction in [redacted] and was comple [redacted]

25X1D

25X1D

25X1D

25X1D

The loop road pattern, control bunker, rectangular silo covers, a possible spray pond, and one small building are visible within the enclosed area.

The site support facility is located on the west side of the access road, 4,500 feet southwest of the launch site. It consists of 13 barracks-type buildings, 2 L-shaped buildings, and 27 other buildings. [redacted]

25X1D

The launch site covers approximately 40 acres and is enclosed by a double security fence.

LAUNCH AREA G

Launch Area G consists of a completed Type IIIA launch site and a site support facility located in a wooded area 17.7 nm northeast of the complex support facility (Figure 13). TALENT photography of [redacted]

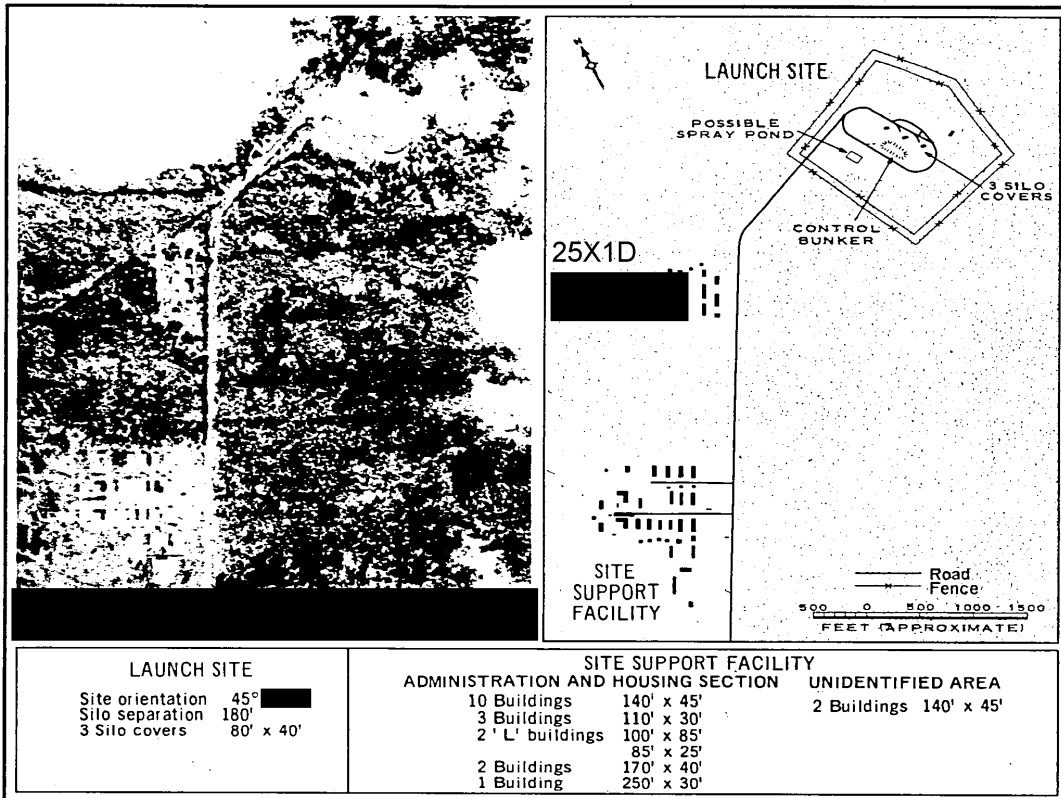
25X1D

negated the area. It was first observed in an early stage of construction in [redacted]

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FIGURE 12. LAUNCH AREA F.

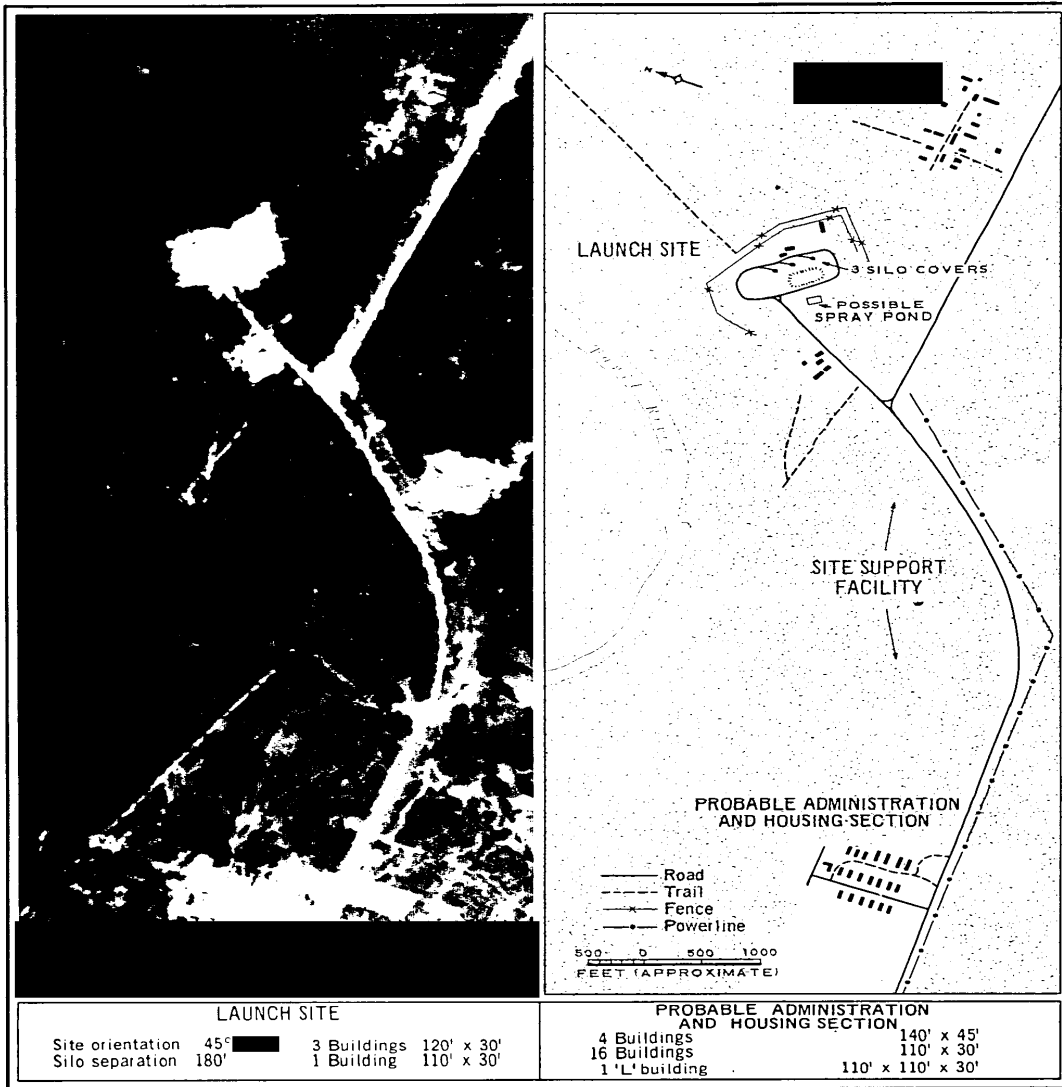
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The launch site covers approximately 35 acres. The outline of a double security fence can only be traced along the northeastern side. A control bunker, possible spray pond and three silo covers are visible. Three buildings are located immediately east of the site and a group of five buildings lies along the west side of the access road.

The site support facility apparently is divided into two sections. A probable administration and housing section, about one nm west of the launch site, contains 20 barracks-type buildings, an L-shaped building, and two small structures. An unidentified area, possibly housing, 1,500 feet east-southeast of the launch site, contains 20 buildings.

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FIGURE 13. LAUNCH AREA G.

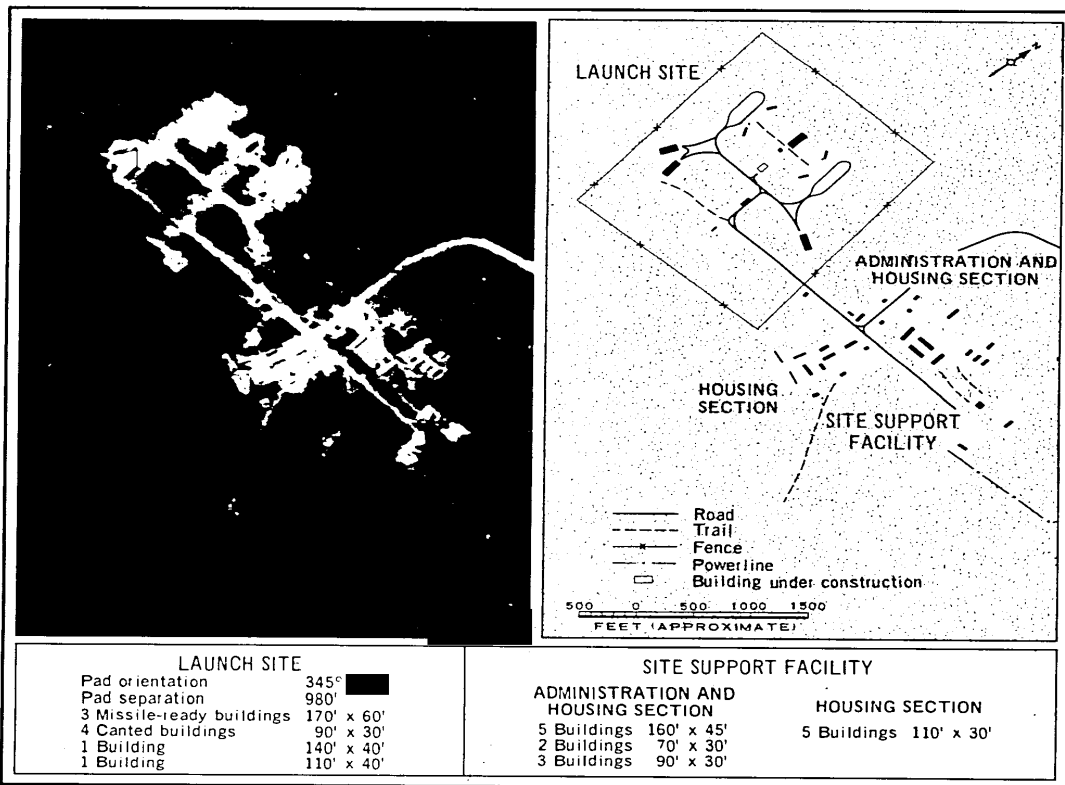
NPIC H-9474 (4/64)

LAUNCH AREA H

Launch Area H consists of a Type IID launch site in a late stage of construction and a site support facility located 6.0 nm northwest of the complex support facility (Figure 14). The area can be negated on photography of [REDACTED]. The site was first observed in an early stage of construction in [REDACTED].

The launch site covers an area of about 90 acres enclosed by at least a single security fence. One missile-ready building is located 600 feet behind the right pad, canted outward at an angle of about 65 degrees from the long axis of the pad. Two ready buildings are located behind the left pad. One is 750 feet from the center of the pad, and in line with it. The other

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25X1D  
25X1D  
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25X1D  
25X1D

FIGURE 14. LAUNCH AREA H.

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is 600 feet from the center of the pad, canted outward at an angle of 35 degrees from the long axis of the pad. The two canted buildings inboard of each pad appear complete. Three buildings (one under construction) are centered in line between the pads.

25X9

25X9

25X9

The administration and housing section of the site support facility is located 2,200 feet east of the launch site on the north side of the access road. It contains 5 barracks-type buildings and 13 other buildings. An additional housing section, consisting of at least 5 single-story barracks and 3 miscellaneous structures, lies immediately south of the access road.

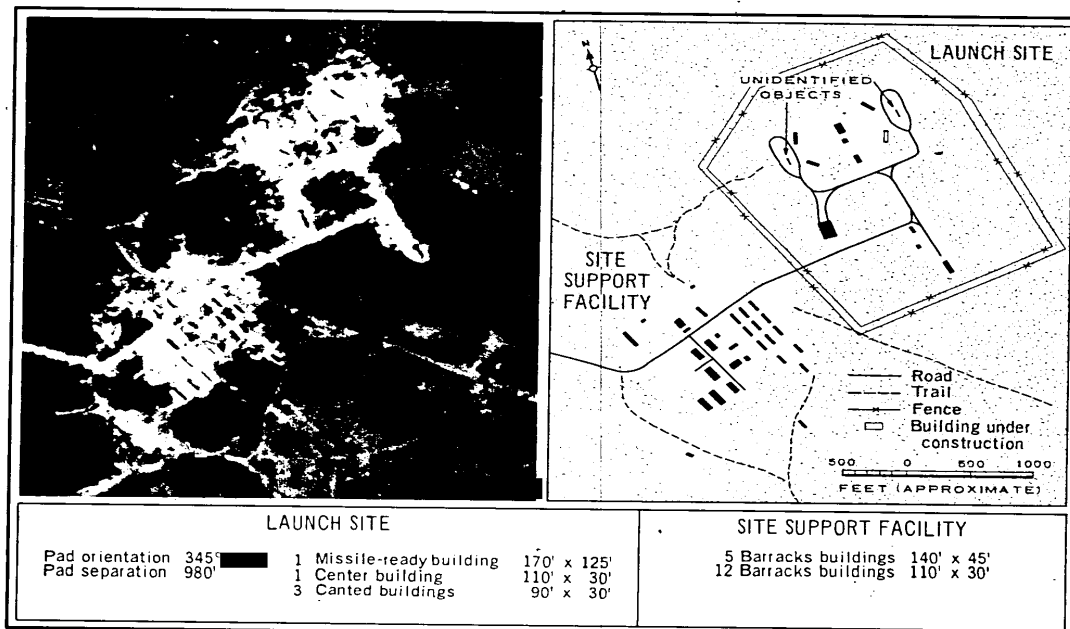
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LAUNCH AREA I

Launch Area I consists of a Type IID launch site in a late stage of construction and a site support facility located 7.2 nm northeast of the complex support facility (Figure 15). The area was negated in [REDACTED]. The

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The launch site covers an area of approximately 90 acres enclosed by a double security fence. One large missile-ready building is lo-



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FIGURE 15. LAUNCH AREA I.

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25X9.

cated behind the left pad, canted outward at an angle of about 5 degrees from the long axis of the pad. There are four canted buildings (one under construction) inboard of the pads, and three structures are centered in line between



The site support facility, 2,000 feet west of the launch site, contains 17 barracks-type buildings and 13 miscellaneous structures.

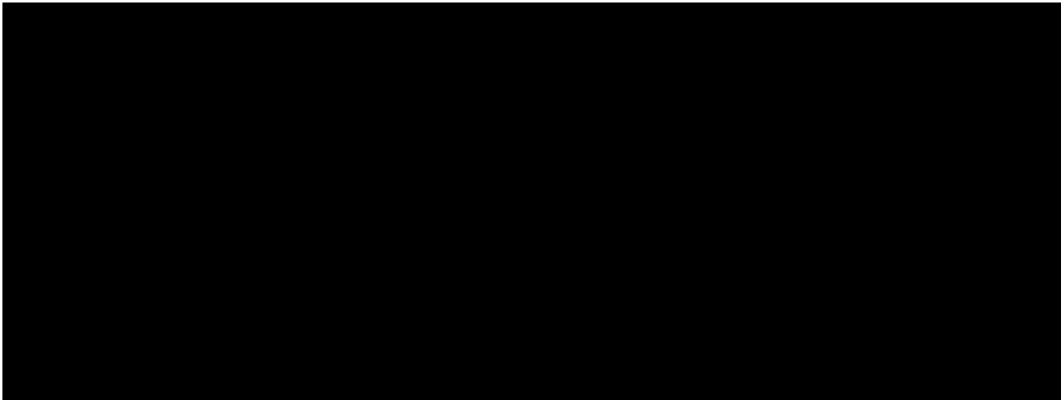


25X9

REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

USATC. Series 200, Sheet 0156-13HL, 3d ed, Jun 63, scale 1:200,000 (SECRET)

DOCUMENTS

25X1B



REQUIREMENT

NPIC. PC 806-63

NPIC PROJECT

J-365 '63 (partial answer)

25X1A

Approved For Release 2000/08/23 : CIA-RDP78T05439A000300320078-2

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