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December 1963



PHOTOGRAPHIC INTERPRETATION REPORT

CHRONOLOGY OF CONSTRUCTION AT SELECTED ICBM LAUNCH COMPLEXES IN THE USSR

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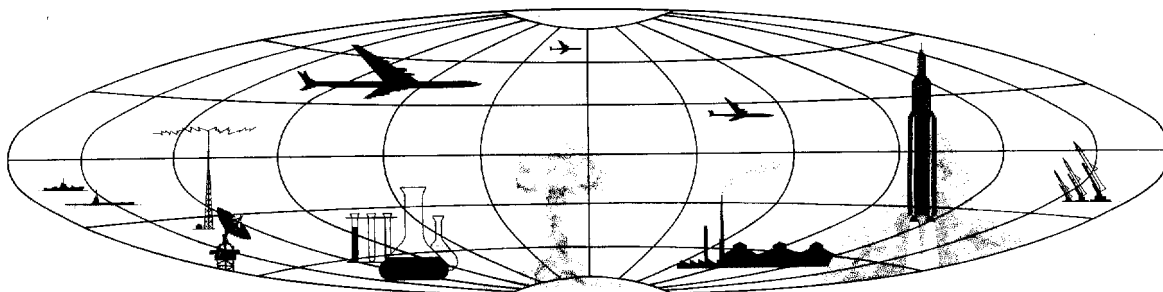


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PHOTOGRAPHIC INTERPRETATION REPORT

**CHRONOLOGY OF CONSTRUCTION
AT SELECTED ICBM LAUNCH
COMPLEXES IN THE USSR**

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INTRODUCTION

This report supplements previously published NPIC reports on the Soviet ICBM launch complexes at Gladkaya, Kozelsk, Omsk, Plesetsk, Tyumen, and Launch Complex F at the Tyuratam Missile Test Center. 1-7/ It presents line drawings (Figures 1 through 26) and detailed tabulations (Tables 1 through 6) showing the chronology of construction of facilities at the various complexes, as observed on [redacted] [redacted] photography through [redacted]. Included are types of launch sites, negation dates, first observations, and status of construction on the various missions.

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ICBM LAUNCH COMPLEX, GLADKAYA, USSR

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Launch Site A (56-20N 92-19E) BE No
Launch Site B (56-25N 92-25E) BE No
Launch Site C (56-20N 92-20E) BE No

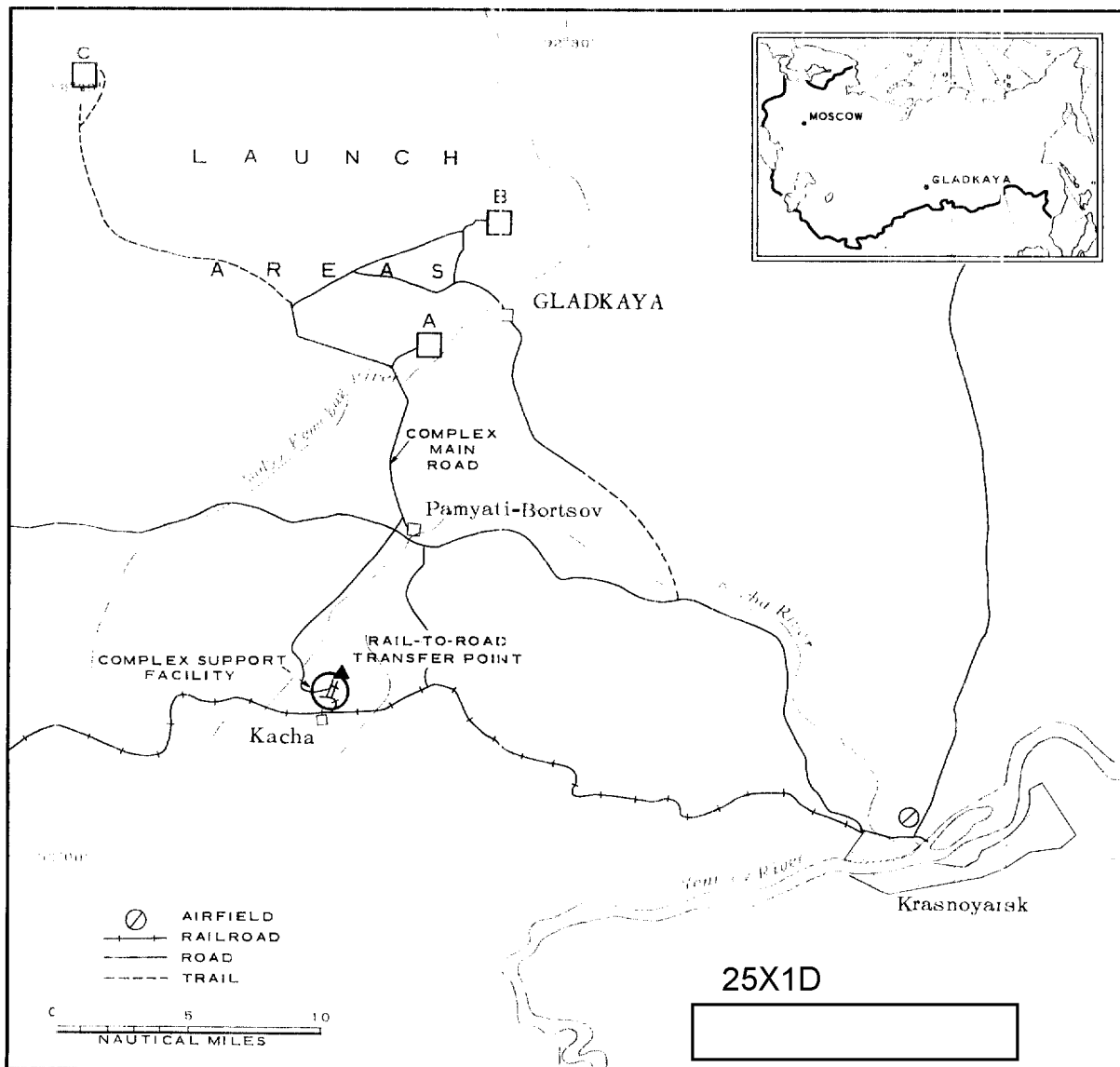
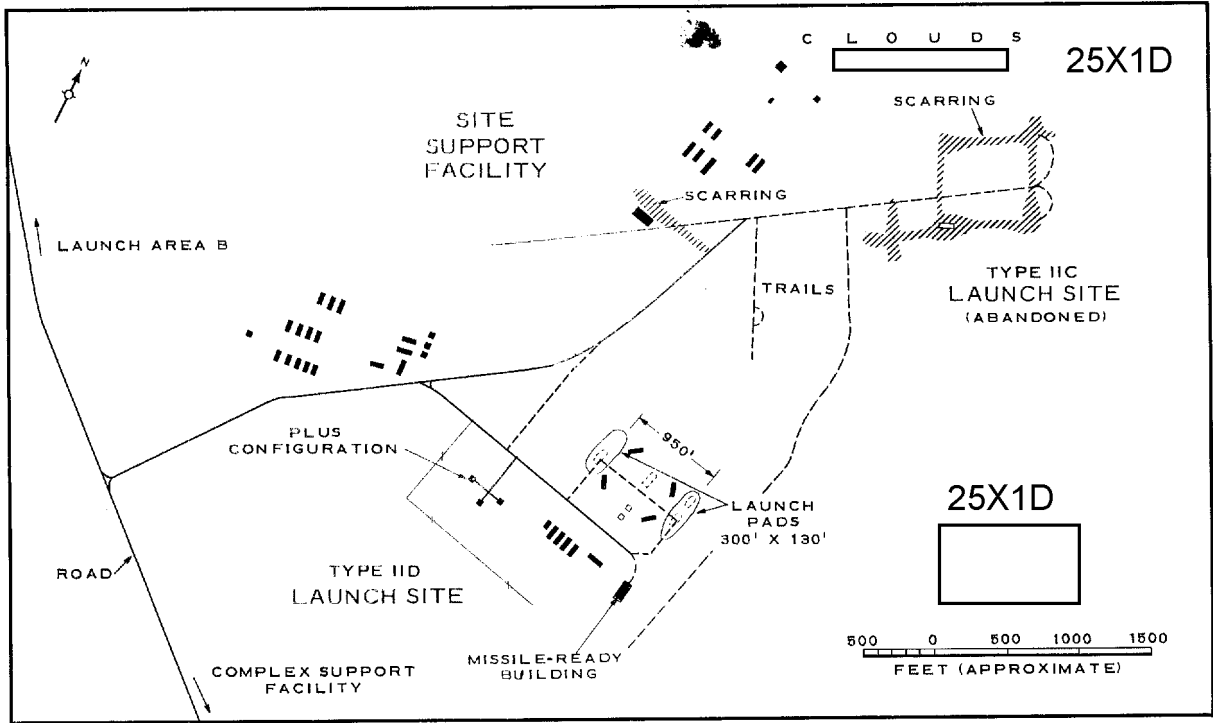


FIGURE 1. LOCATION OF LAUNCH COMPLEX.

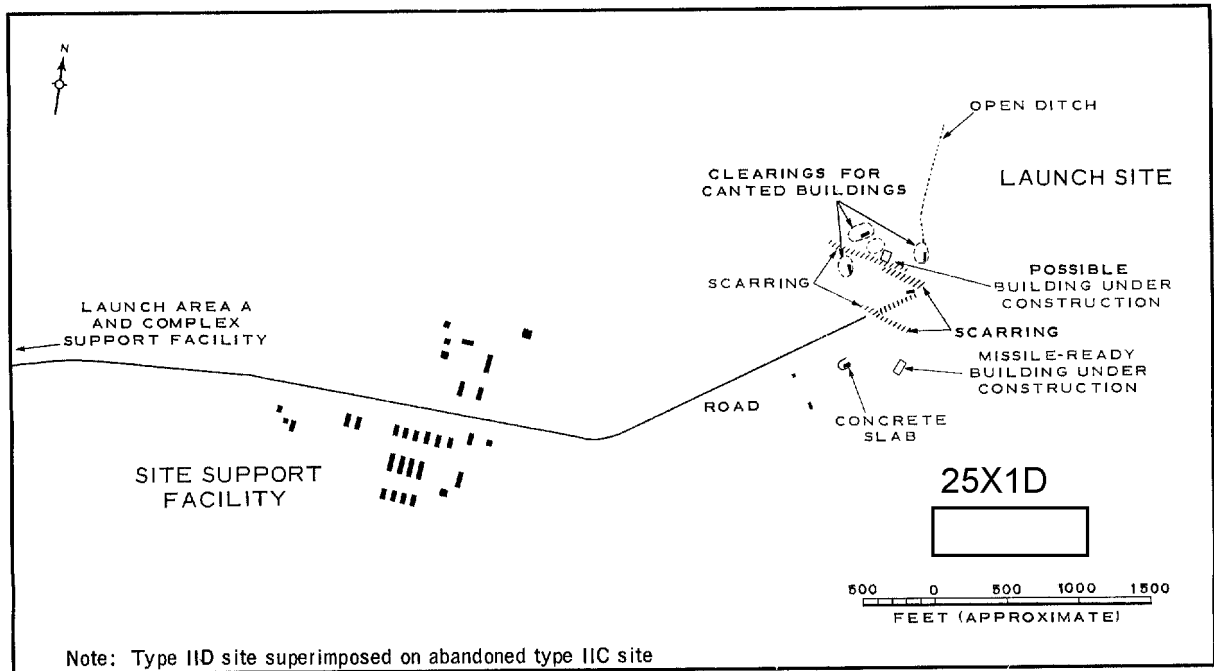
NPIC 14-5994 (12/63)

NPIC/R-314/63



NPIC H-5996 (12/63)

FIGURE 2. LAUNCH AREA A.



Note: Type IID site superimposed on abandoned type IIC site

NPIC H-5996 (12/63)

FIGURE 3. LAUNCH AREA B.

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Table 1. ICBM Launch Complex, Gladkaya, USSR

Item	Negation		First Observed		Construction Status			Remarks
	Date	Msn	Date	Msn	Stage	Date	Msn	

COMPLEX SUPPORT FACILITY (Figure 1)

RAIL TO ROAD TRANSFER POINT (Figure 1)

COMPLEX MAIN ROAD (Figure 1)

LAUNCH AREA A (Figure 2)

Type IIC Site

Launch pads

Missile-ready bldgs

Right

Left

Plus configuration

Electronics facility

Site support facility

Type IID Site

Launch pads

Missile-ready bldg

Canted bldgs

Plus configuration

Site support facility

LAUNCH AREA B (Figure 3)

Type IIC Site

Launch pads

Missile-ready bldgs

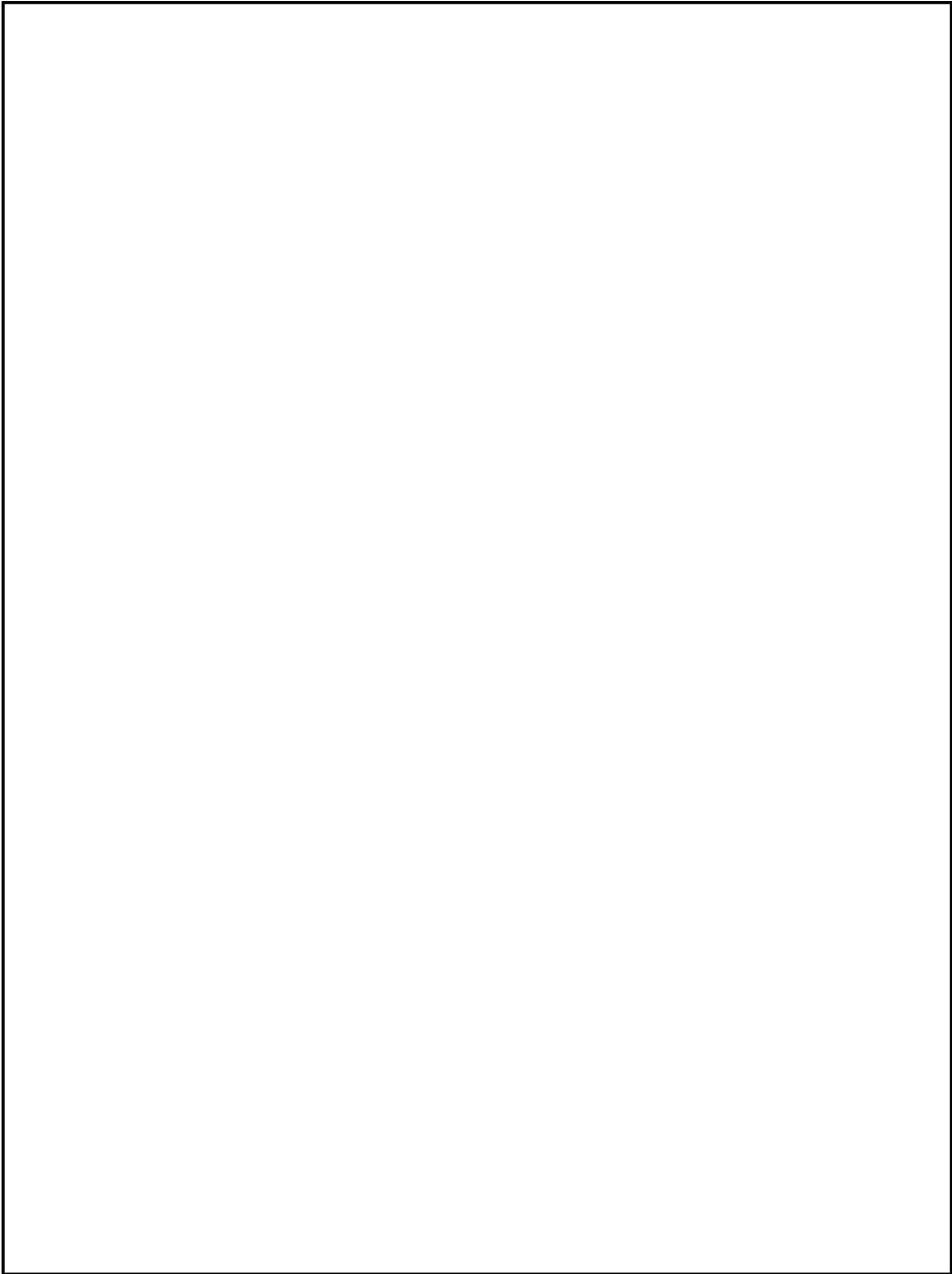
Right

Left

Plus configuration

Electronics facility

Site support facility



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Table 1. (Continued)

Item	Negation Date / Msn	First Observed Date / Msn	Construction Status Stage / Date / Msn	Remarks
LAUNCH AREA B (Figure 3) Type IID Site Launch pads Missile-ready bldgs Canted bldgs Plus configuration Site support facility				

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ICBM LAUNCH COMPLEX, KOZELSK, USSR

25X1A

- Launch Site A (53-54N 35-44E) BE No
- Launch Site B (53-48N 35-47E) BE No
- Launch Site C (53-45N 35-41E) BE No
- Launch Site D (53-54N 35-51E) BE No
- Launch Site E (53-51N 35-41E) BE No

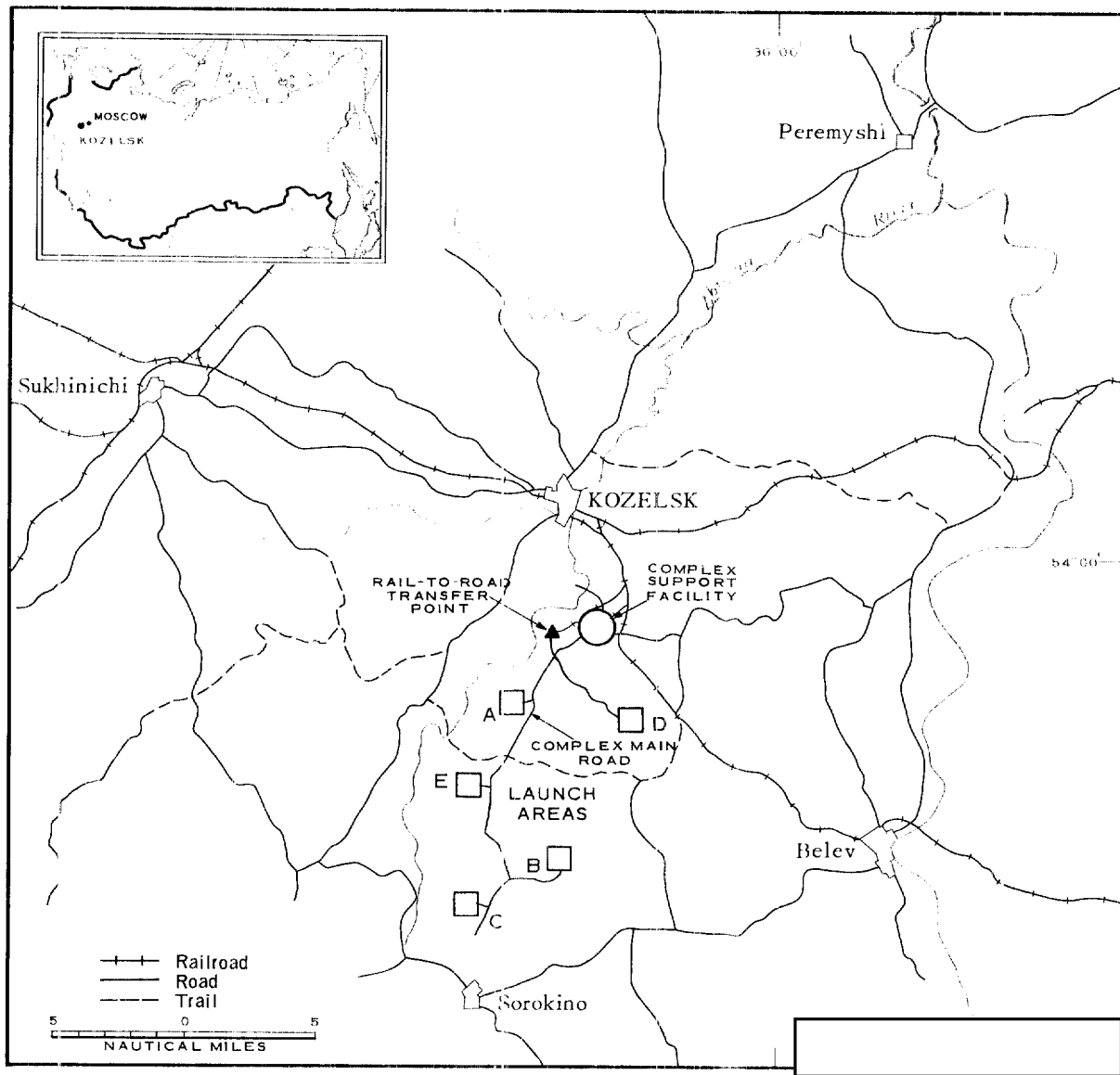
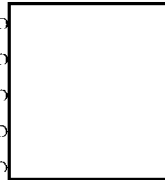


FIGURE 4. LOCATION OF LAUNCH COMPLEX.

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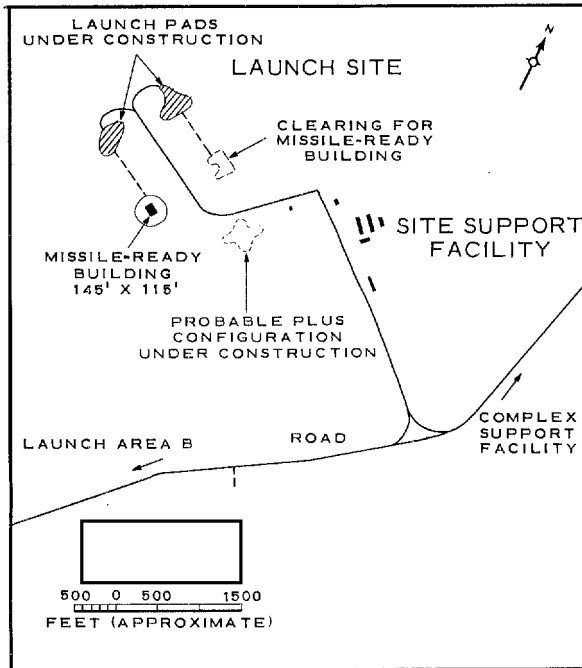


FIGURE 5. LAUNCH AREA A.

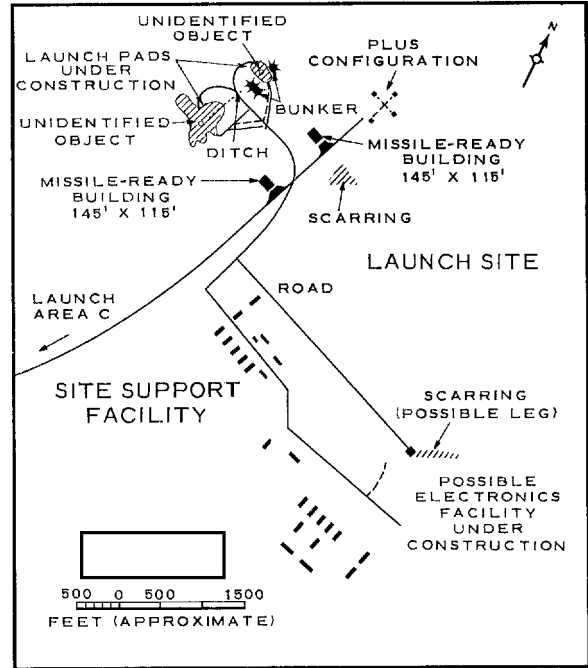


FIGURE 6. LAUNCH AREA B.

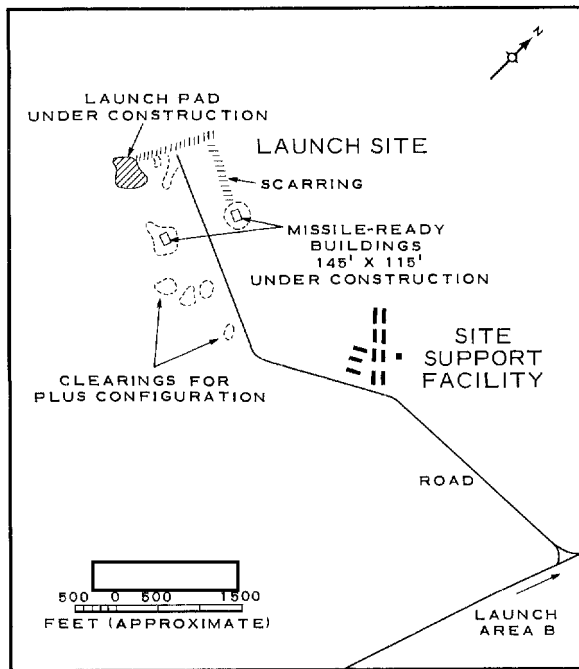


FIGURE 7. LAUNCH AREA C.

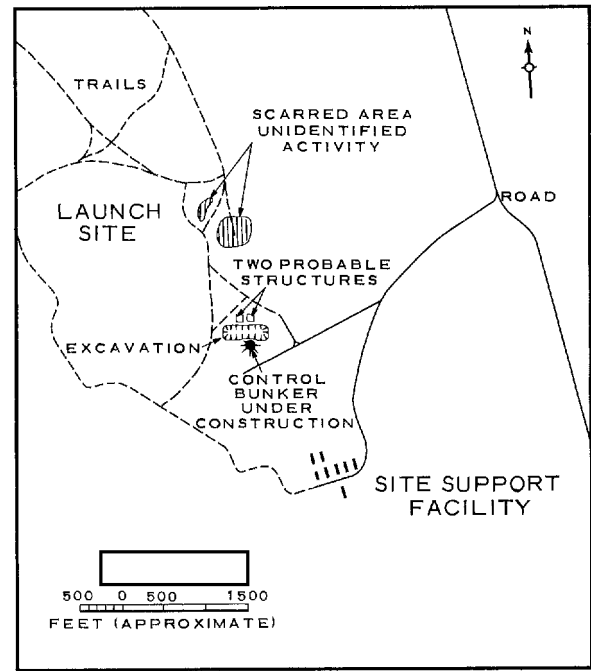


FIGURE 8. LAUNCH AREA E.

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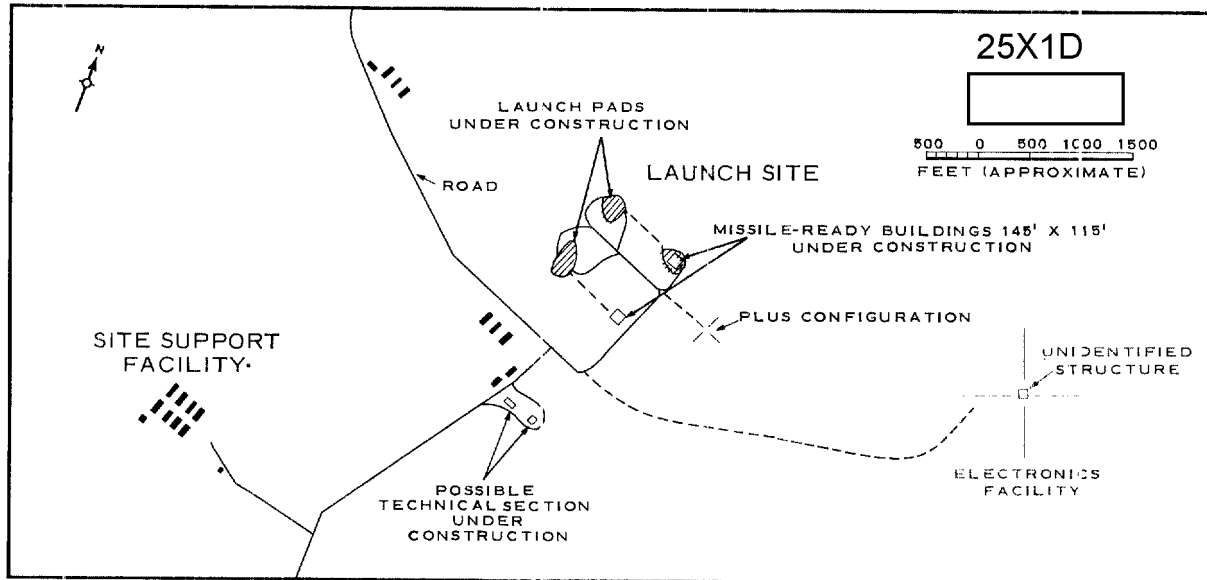


FIGURE 3. LAUNCH AREA D.

NPIC H-6002 (112/63)

Table 2. ICBM Launch Complex, Kozelsk, USSR

Item	Negation		First Observed		Construction Status			Remarks
	Date	Msn	Date	Msn	Stage	Date	Msn	
COMPLEX SUPPORT FACILITY (Figure 4)								
RAIL-TO-ROAD TRANSFER POINT (Figure 4)								
COMPLEX MAIN ROAD (Figure 4)								
LAUNCH AREA A (Figure 5)								
Type IC Site								
Launch pads								
Right								
Left								
Missile-ready bldgs								
Right								
Left								
Prob plus configuration								
Electronics facility								
Site support facility								
Technical section								
Site road pattern								

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Table 2 (Continued)

Item	Negation Date / Msn	First Observed Date / Msn	Construction Status Stage / Date / Msn	Remarks
<p>LAUNCH AREA B (Figure 6) Type IIC Site Launch pads Right Left Missile-ready bldgs Right Left Plus configuration Poss electronics facility Site support facility Technical section Site road pattern</p> <p>LAUNCH AREA C (Figure 7) Type IIC Site Launch pads Right Left Missile-ready bldgs Right Left Plus configuration Electronics facility Site support facility Technical section Site road pattern</p> <p>LAUNCH AREA D (Figure 9) Type IIC Site Launch pads Right Left Missile-ready bldgs Right Left Plus configuration Electronics facility</p>				

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Table 2 (Continued)

Item	Negation		First Observed		Construction Status			Remarks
	Date	Msn	Date	Msn	Stage	Date	Msn	
LAUNCH AREA D								
Site support facility								
Technical section								
LAUNCH AREA E (Figure 8)								
Type IIB Site								
Launch site								
Excavation								
Control bunker								
Site support facility								
Site road pattern								

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ICBM LAUNCH COMPLEX, OMSK, USSR

25X1A

Launch Site A (55-09N 73-38E) BE No [redacted]
Launch Site B (55-11N 73-33E) BE No [redacted]

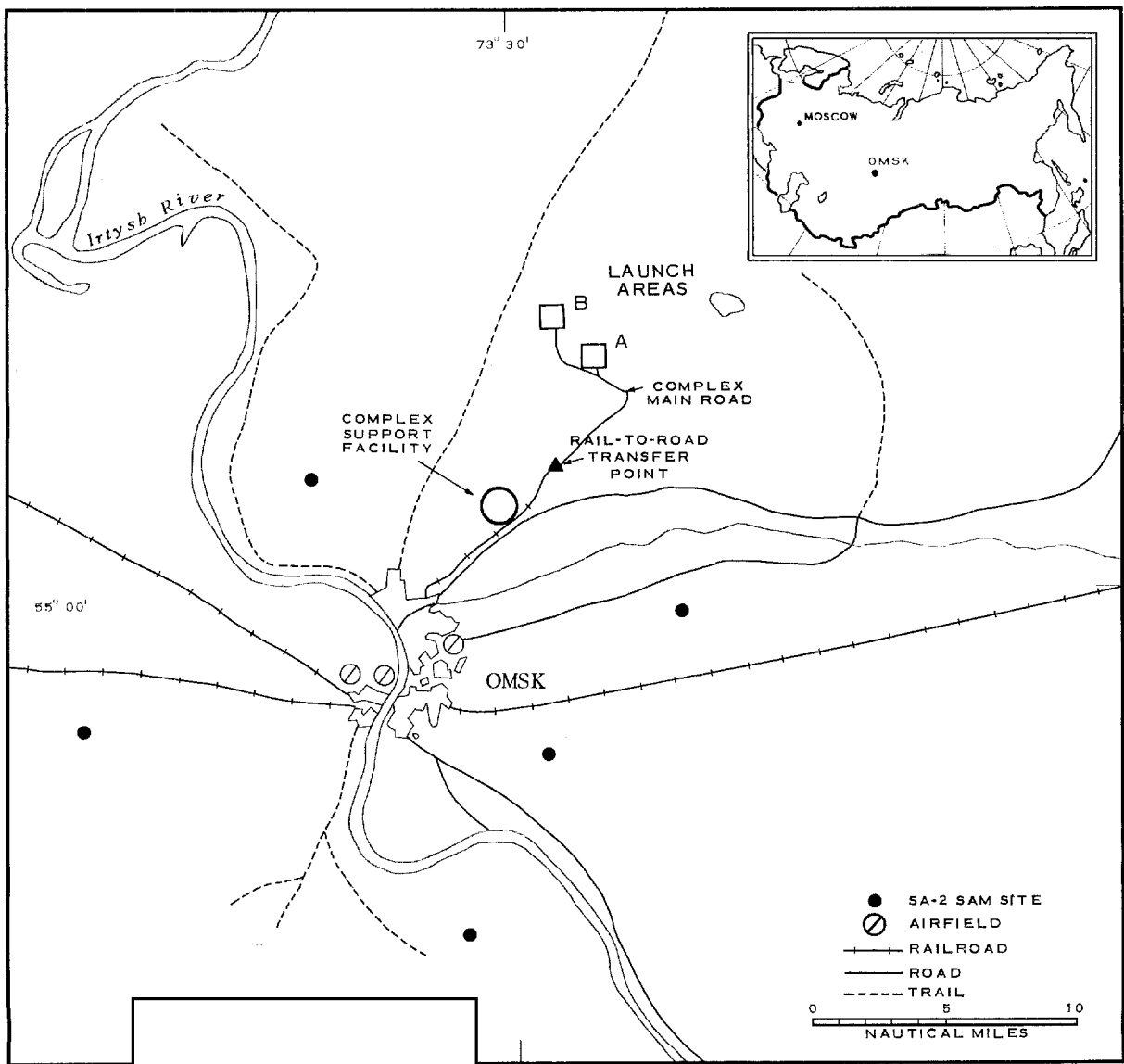


FIGURE 10. LOCATION OF LAUNCH COMPLEX.

NPIC H-8003 (12/63)

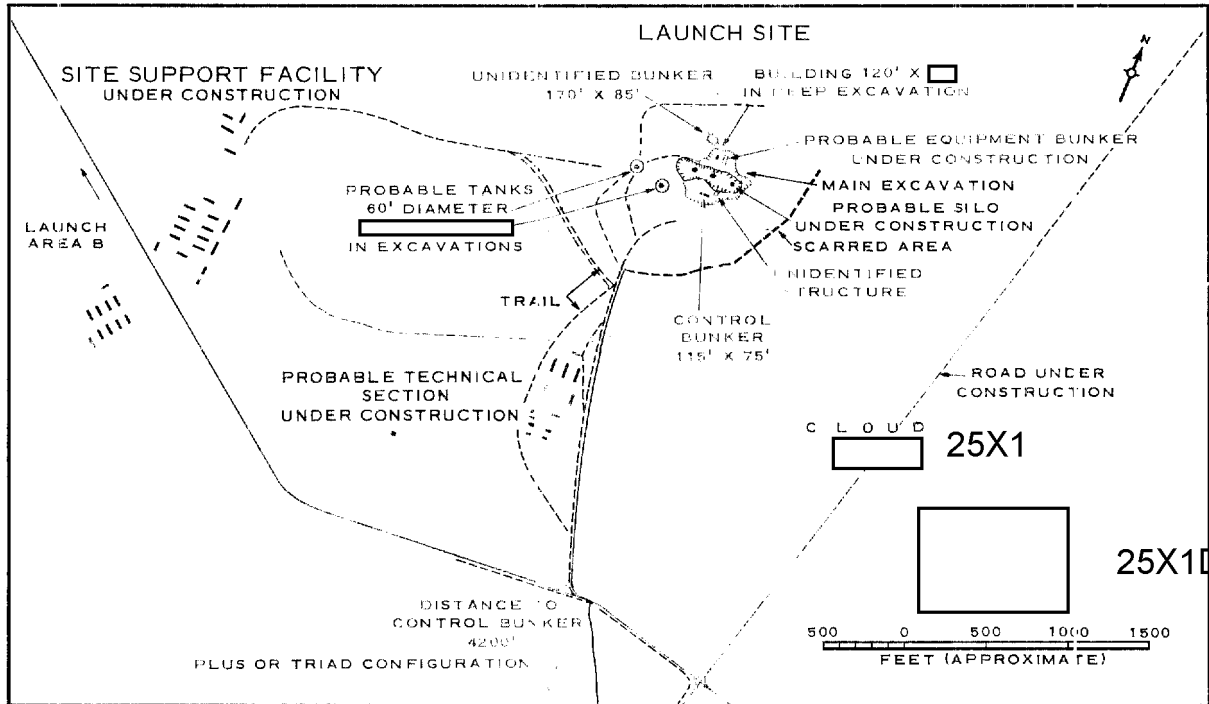
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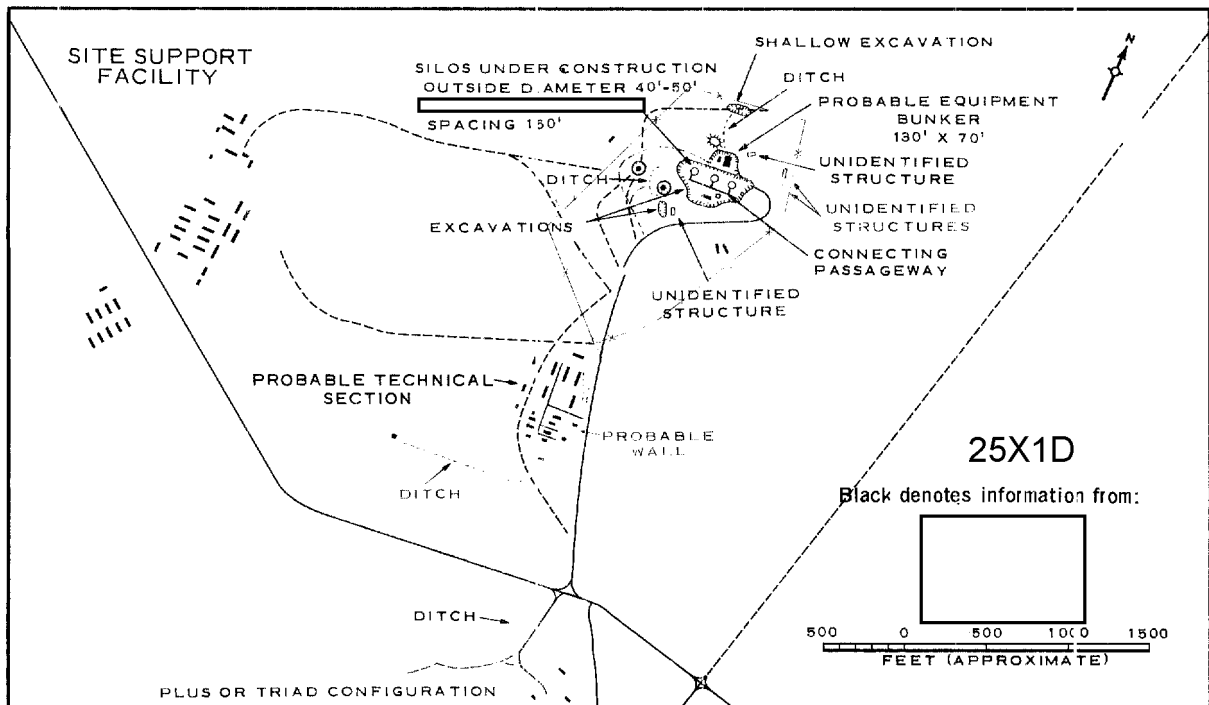
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FIGURE 11. LAUNCH AREA A.

NPIC H-6004 (12/63)

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Black denotes information from:

FIGURE 12. LAUNCH AREA A.

NPIC H-6005 (12/63)

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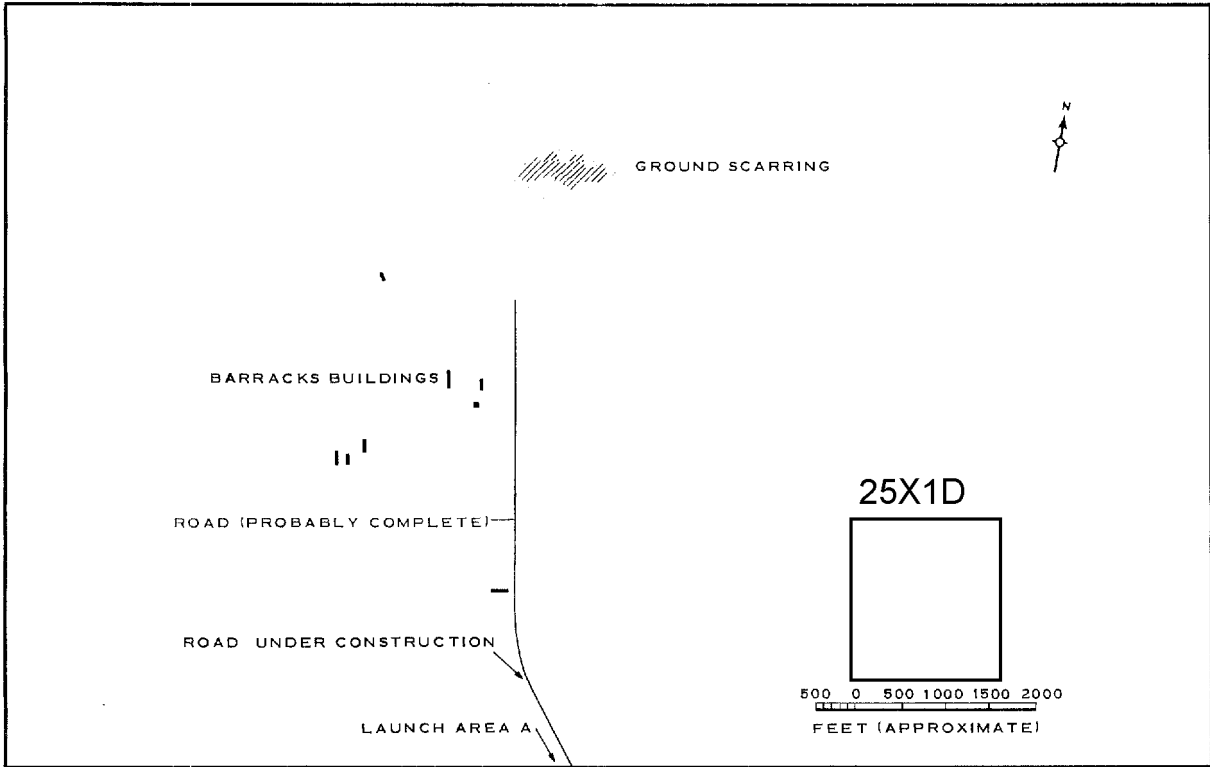


FIGURE 13. LAUNCH AREA B.

NPIC H-6006 (12/63)

Table 3. ICBM Launch Complex, Omsk, USSR

Item	Negation Date / Msn	First Observed Date / Msn	Construction Status Stage / Date / Msn	Remarks
COMPLEX SUPPORT FACILITY (Figure 10) Housing areas East West Railhead RAIL-TO-ROAD TRANSFER POINT (Figure 10) U/I area to SE				

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Table 3 (Continued)

Item	Negation		First Observed		Construction Status			Remarks
	Date	Msn	Date	Msn	Stage	Date	Msn	
COMPLEX MAIN ROAD (Figure 10)								
LAUNCH AREA A (Figures 11 & 12) Type IIB Site Launch Site Main excavation Control bunker U.I bunker Prob equipment bunker (opposite control bunker) Silos Plus or triad configuration Site support facility Prob technical section								
LAUNCH AREA B (Figure 13) Type undetermined 3 barracks bldgs Ground scarring 5 additional bldgs								

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ICBM LAUNCH COMPLEX, PLESETSK, USSR

- Launch Points I and II (62-55N 40-27E) BE No [REDACTED] 25X1A
- Launch Point III (62-56N 40-28E) BE [REDACTED] 25X1A
- Launch Point IV (62-57N 40-41E) BE [REDACTED] 25X1A
- Launch Site A (62-58N 40-47E) BE [REDACTED] 25X1A
- Launch Site B (63-03N 40-58E) BE [REDACTED] 25X1A
- Launch Site C (63-01N 40-52E) BE [REDACTED] 25X1A
- Launch Site D (62-53N 40-50E) BE [REDACTED] 25X1A
- Launch Site E (62-50N 40-35E) BE [REDACTED] 25X1A

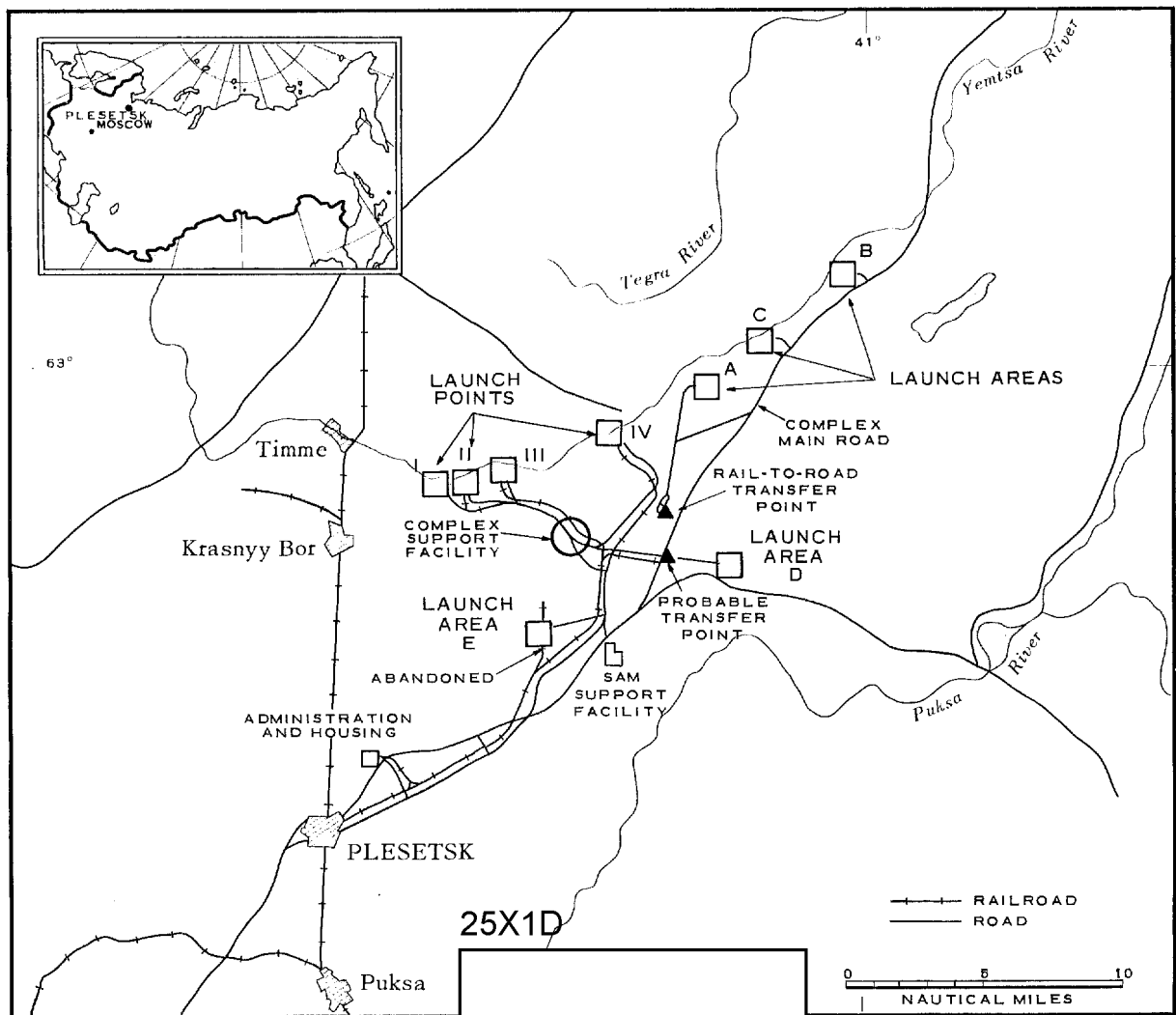


FIGURE 14. LOCATION OF LAUNCH COMPLEX.

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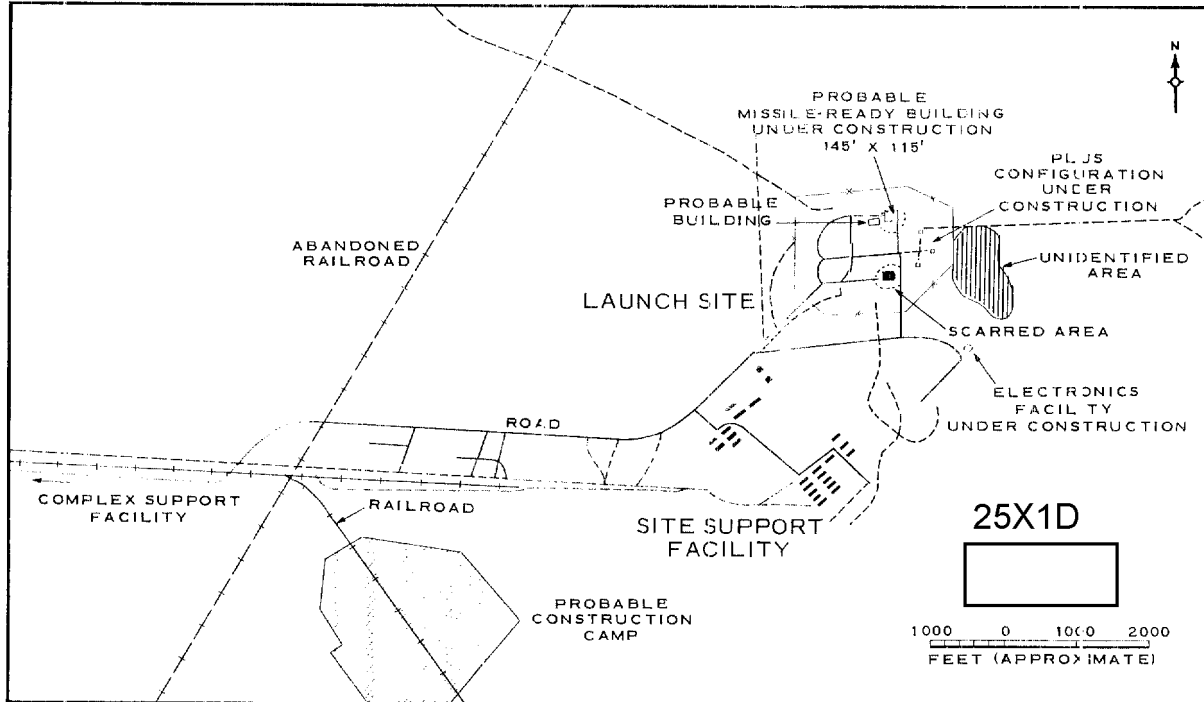


FIGURE 15. LAUNCH AREA D.

NPIC H-6008 (112/63)

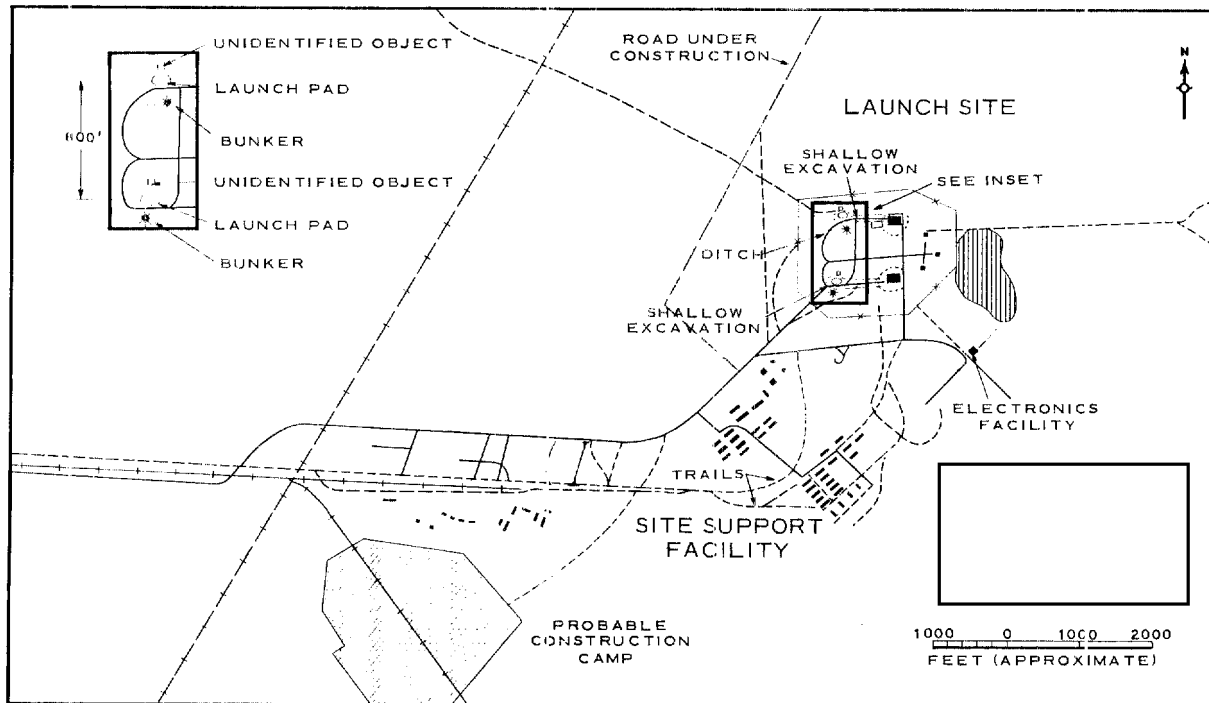


FIGURE 16. LAUNCH AREA D.

NPIC H-6009 (112/63)

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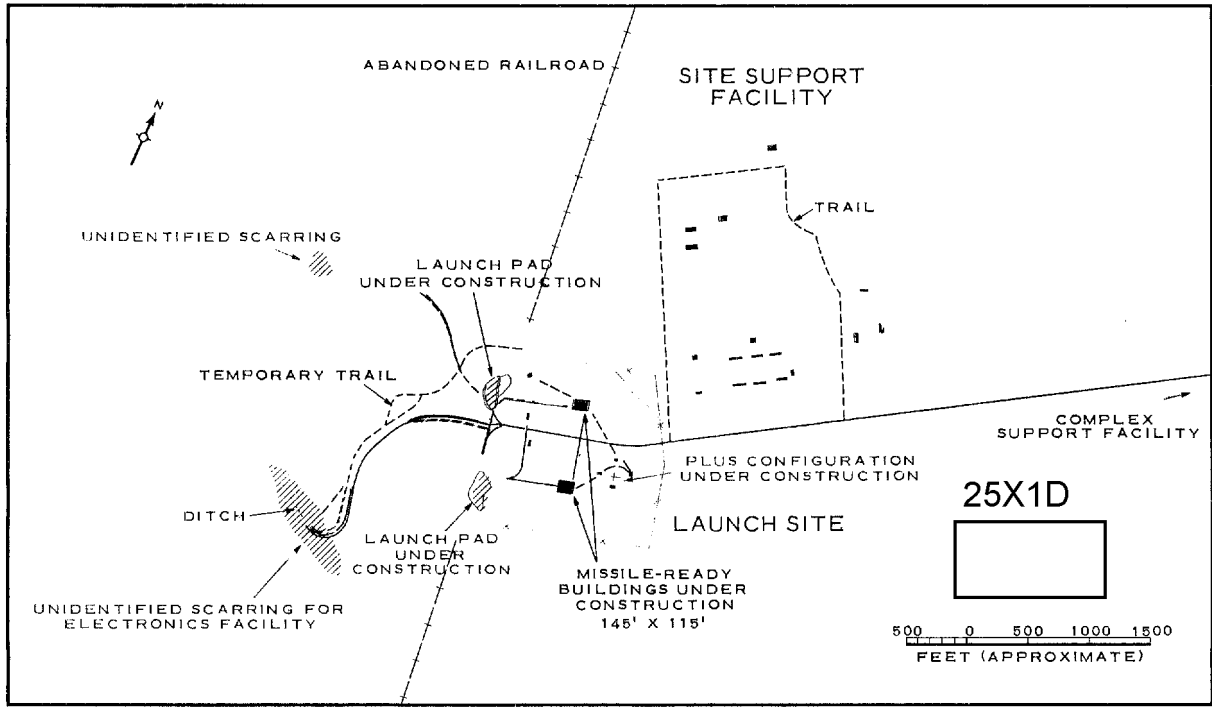


FIGURE 17. LAUNCH AREA E.

NPIC H-6010 (12/63)

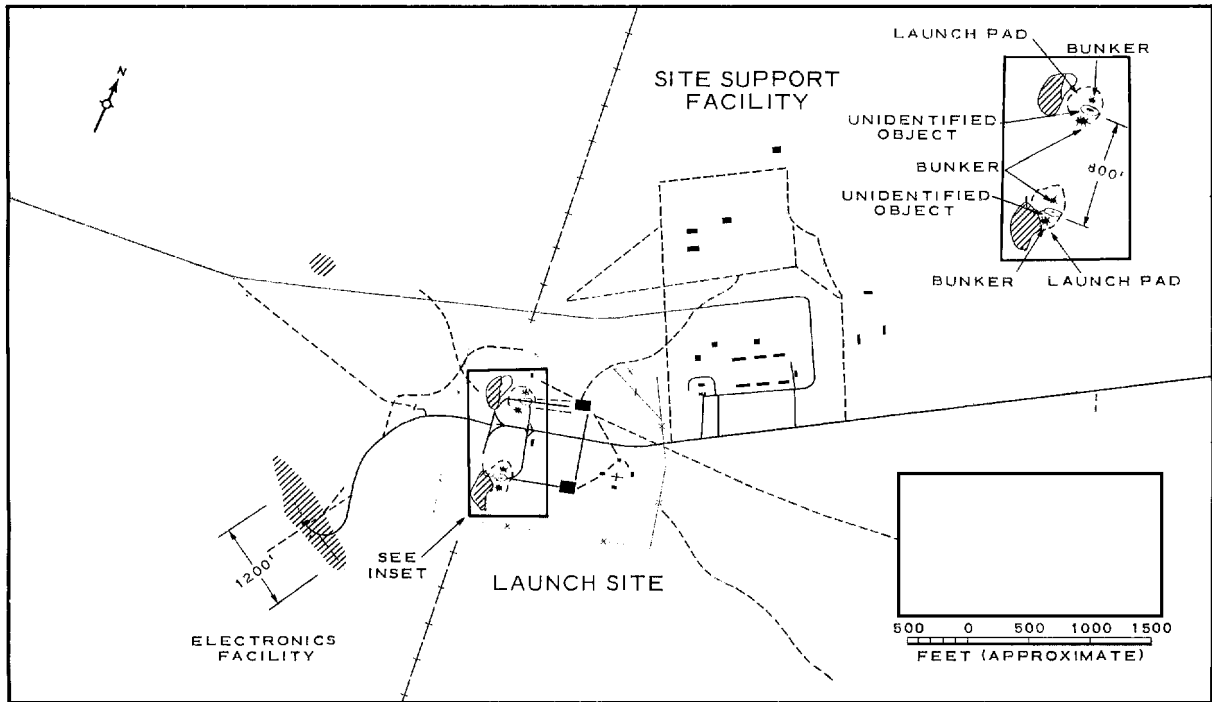


FIGURE 18. LAUNCH AREA E.

NPIC H-6011 (12/63)

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Table 4. ICBM Launch Complex, Plesetsk, USSR

Item	Negation		First Observed		Construction Status			Remarks
	Date	Msn	Date	Msn	Stage	Date	Msn	
LAUNCH AREA D (Figures 15 & 16)								
Type IIC Site								
Launch pads								
Missile-ready bldgs								
Plus configuration								
Electronics facility								
Site support facility								
LAUNCH AREA E (Figures 17 & 18)								
Type IIC Site								
Launch pads								
Missile-ready bldgs								
Plus configuration								
Electronics facility								
Site support facility								

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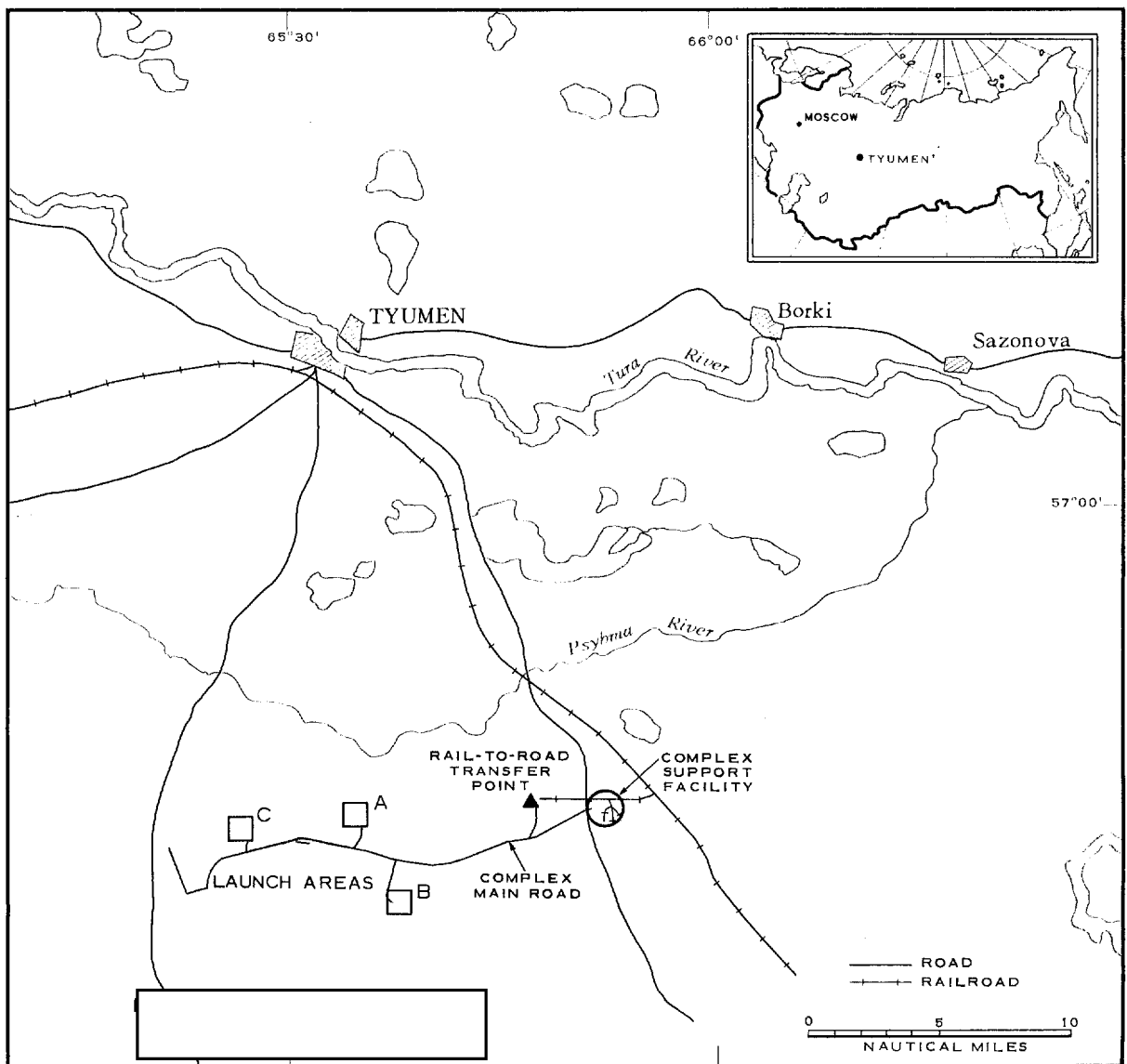
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ICBM LAUNCH COMPLEX, TYUMEN, USSR

Launch Site A (56-52N 65-35E) BE No
Launch Site B (56-48N 65-38E) BE No
Launch Site C (56-51N 65-28E) BE No



25X1A



25X1D

FIGURE 19. LOCATION OF LAUNCH COMPLEX.

NPIC H-6012 (12/63)

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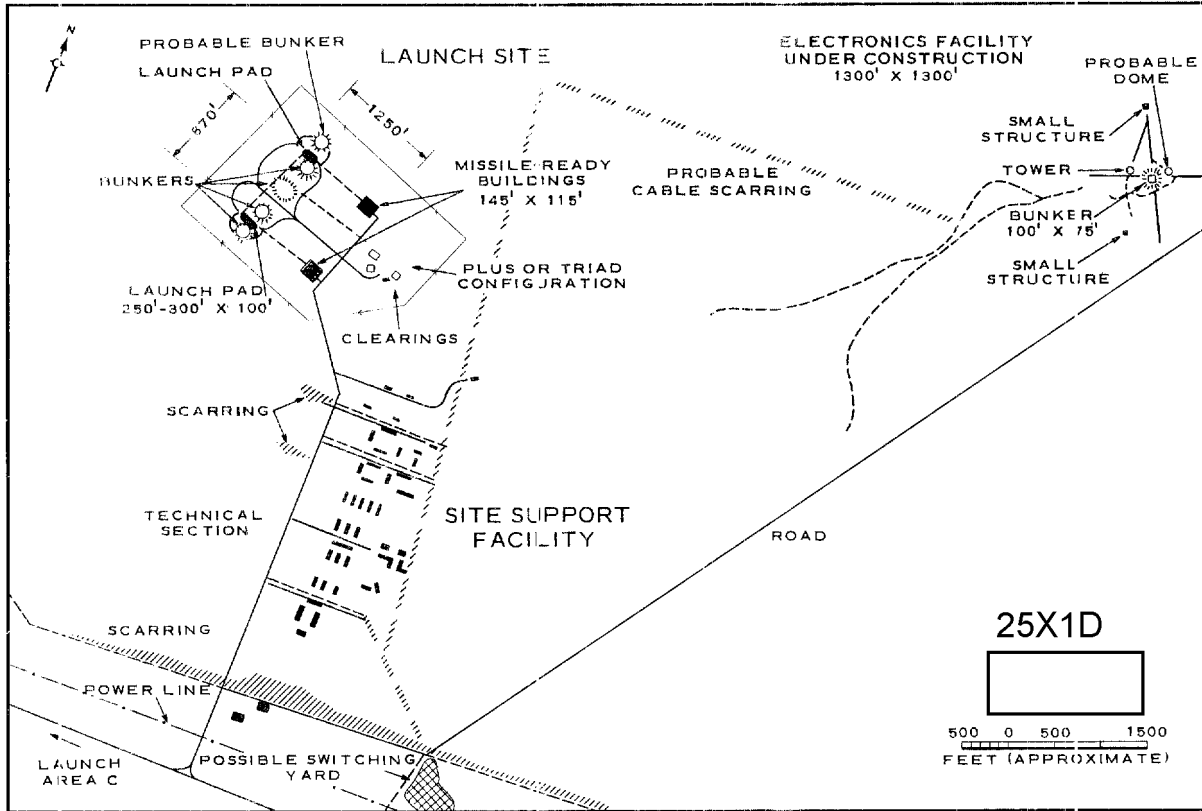


FIGURE 20. LAUNCH AREA A.

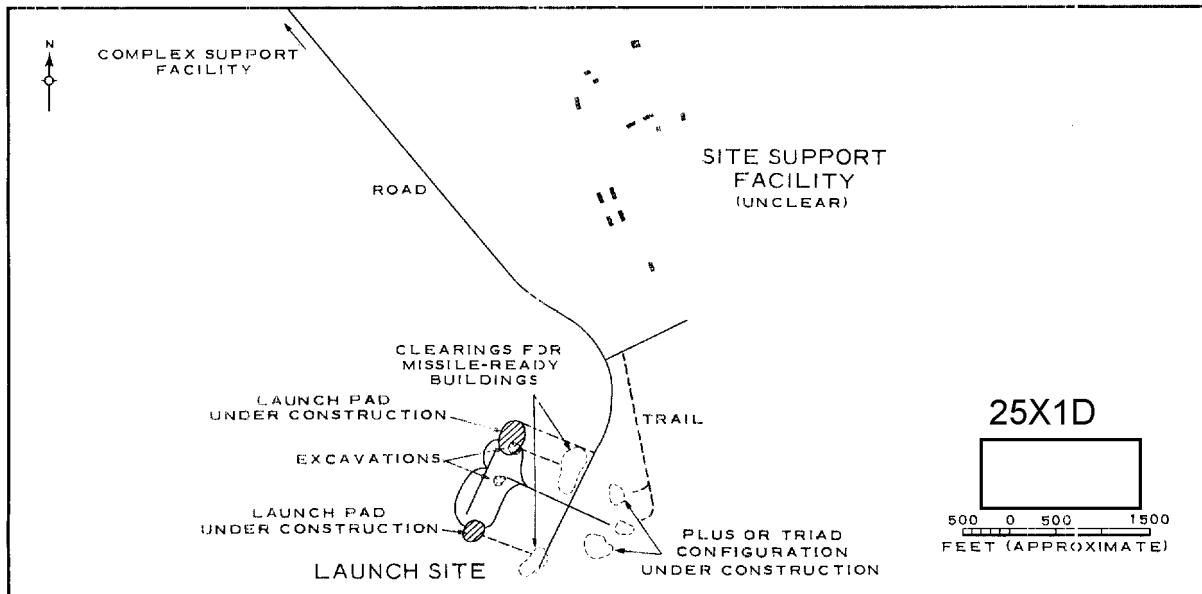


FIGURE 21. LAUNCH AREA B.

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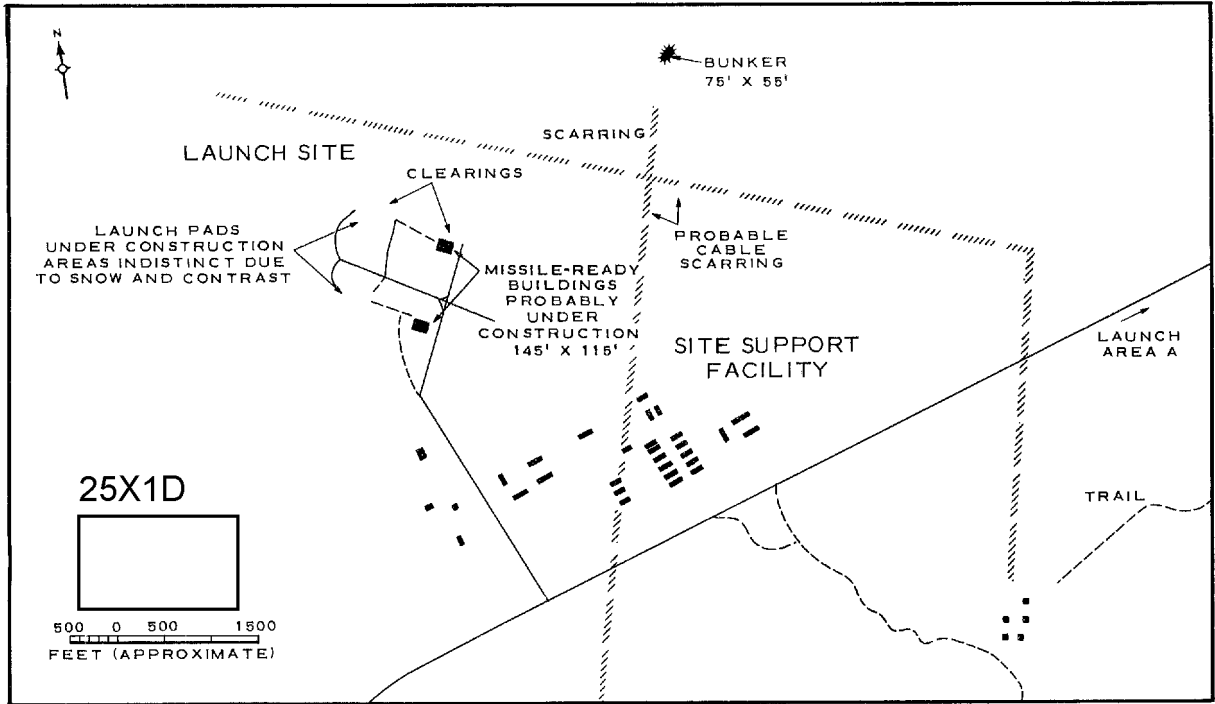


FIGURE 22. LAUNCH AREA C.

NPIC H-6018 (12/63)

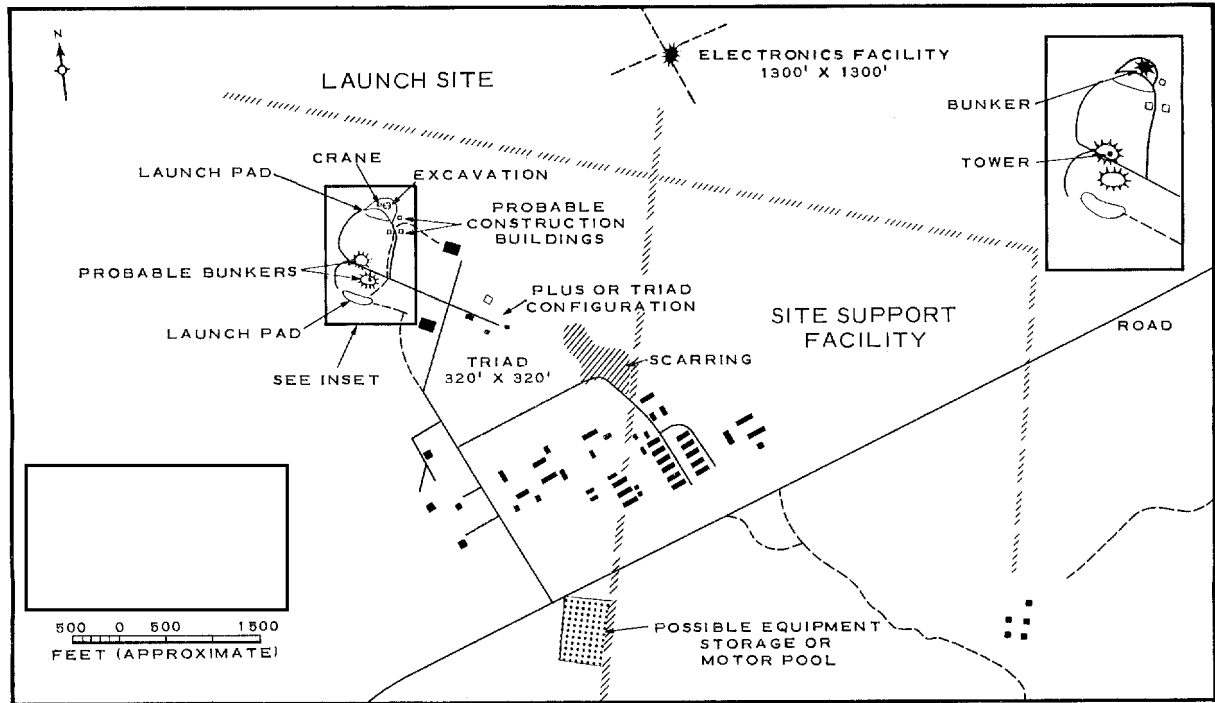


FIGURE 23. LAUNCH AREA C.

NPIC H-6016 (12/63)

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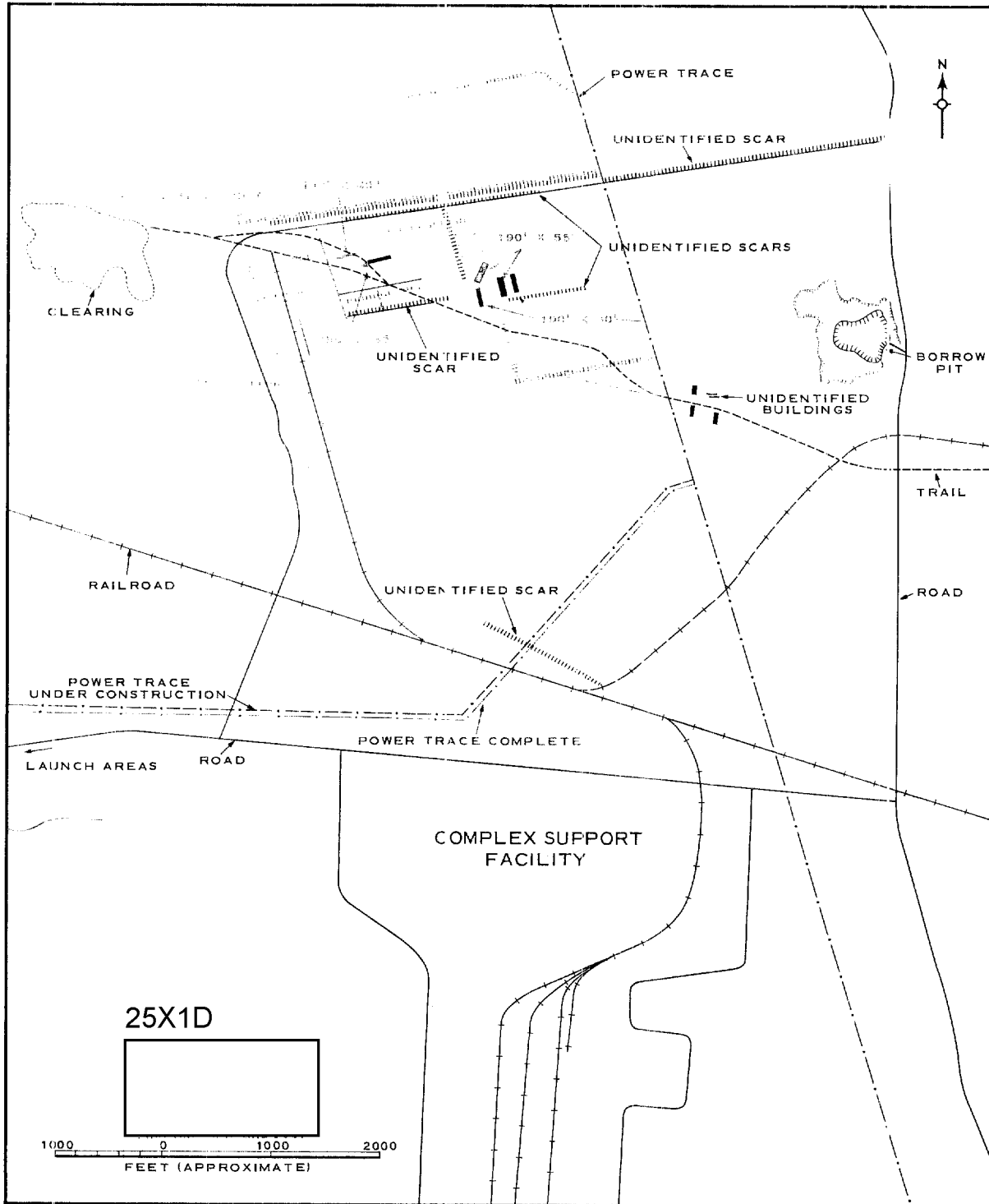


FIGURE 24. UNIDENTIFIED FACILITY NORTH OF COMPLEX SUPPORT FACILITY.

NPIC/R-314/63 (12/63)

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Table 5. ICBM Launch Complex, Tyumen, USSR

Item	Negation Date / Msn	First Observed Date / Msn	Construction Status Stage / Date / Msn	Remarks
<p>COMPLEX SUPPORT FACILITY* (Figure 19)</p> <p>RAIL-TO-ROAD TRANSFER POINT (Figure 19)</p> <p>COMPLEX MAIN ROAD (Figure 19)</p> <p>LAUNCH AREA A (Figure 20)</p> <p style="padding-left: 20px;">Type IIC Site Launch pads Missile-ready bldgs</p> <p style="padding-left: 40px;">Plus or triad configuration Electronics facility</p> <p style="padding-left: 40px;">Site support facility</p> <p style="padding-left: 60px;">Technical section</p> <p>LAUNCH AREA B (Figure 21)</p> <p style="padding-left: 20px;">Type IIC Site Launch pads Missile-ready bldgs</p> <p style="padding-left: 40px;">Plus or triad configuration Electronics facility Site support facility</p> <p>LAUNCH AREA C (Figures 22 & 23)</p> <p style="padding-left: 20px;">Type IIC Site Launch pads Missile-ready bldgs</p> <p style="padding-left: 40px;">Plus or triad configuration Electronics facility</p> <p style="padding-left: 40px;">Site support facility</p>				

*The unidentified facility north of the Complex Support Facility is shown in Figure 24.

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LAUNCH COMPLEX F, TYURATAM
MISSILE TEST CENTER, USSR

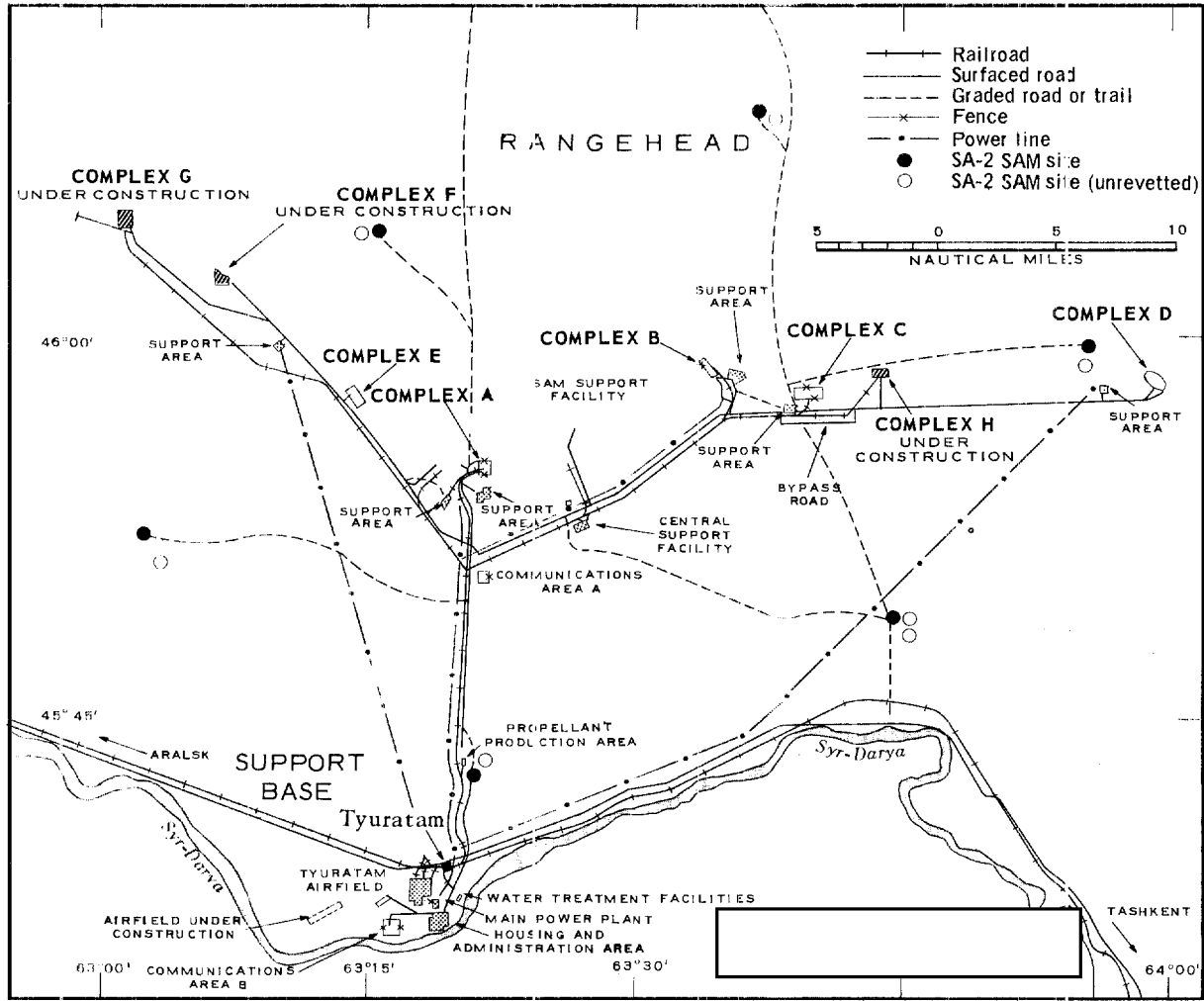


FIGURE 25. LOCATION OF LAUNCH COMPLEX F.

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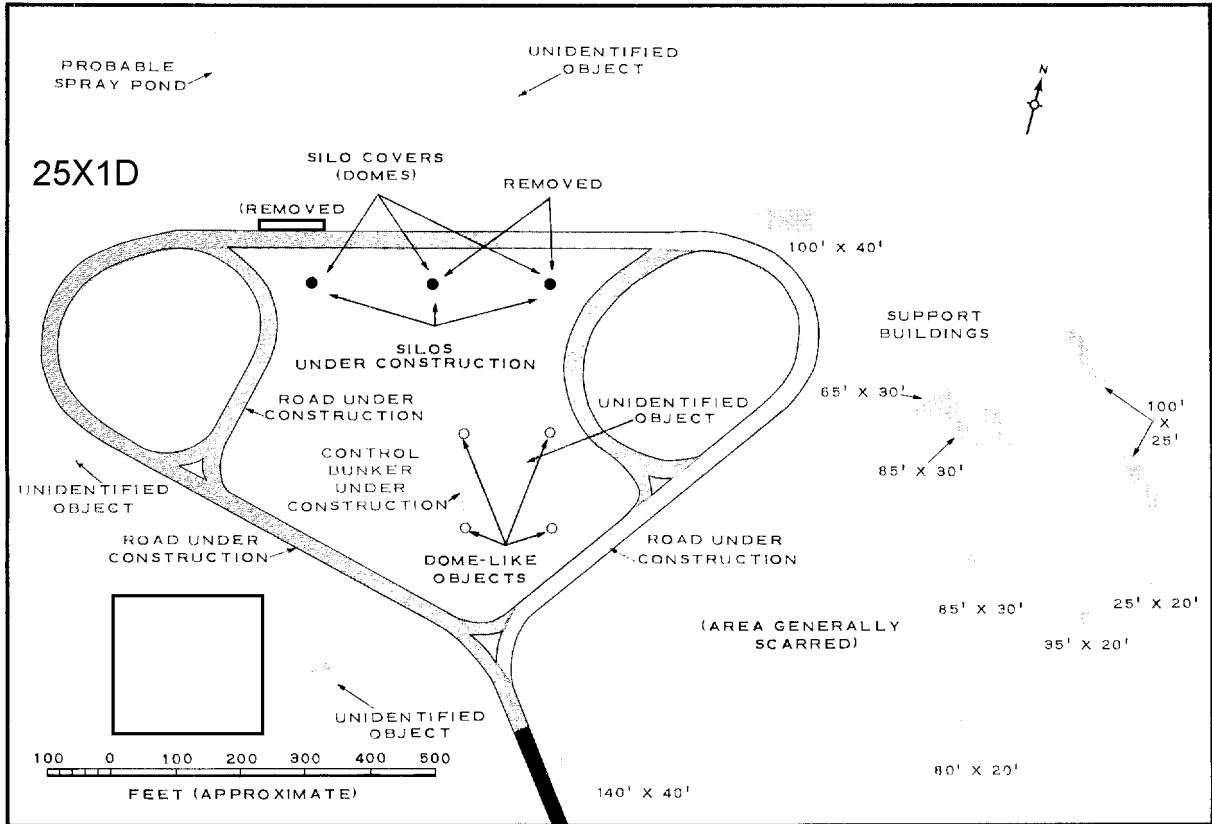


FIGURE 26. LAUNCH COMPLEX F.

NPIC H-6019 (12/63)

Table 6. Launch Complex F, Tyuratam Missile Test Center, USSR

Item	Negation Date / Msn	First Observed Date / Msn	Construction Status Stage / Date / Msn	Remarks
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LAUNCH COMPLEX F
 (Figure 26)

Silos

Silo covers (domes)

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Table 6 (Continued)

Item	Negation		First Observed		Construction Status			Remarks
	Date	Ms	Date	Ms	Stage	Date	Ms	
LAUNCH COMPLEX F								
Control bunker								
Dome-like objects on corners								
Support bldgs								
Site road pattern								
Plus configuration Interferometer Prob spray pond								

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REFERENCES (Continued)

PHOTOGRAPHY (Continued)

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<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>
[redacted]					

DOCUMENTS

- 1. NPIC. R-139/62, ICBM Launch Complex, Gladkaya, USSR, Oct 62 (TOP SECRET [redacted]) 25X1
- 2. NPIC. R-134/62, ICBM Launch Complex, Kozelsk, USSR, Sep 62 (TOP SECRET [redacted]) 25X1
- 3. NPIC. R-64/63, ICBM Launch Complex, Omsk, USSR, Apr 63 (TOP SECRET [redacted]) 25X1
- 4. NPIC. R-11/63, ICBM Launch Complex, Plesetsk, USSR, Feb 63 (TOP SECRET [redacted]) 25X1
- 5. NPIC. R-73/62, ICBM Launch Complex, Tyumen, USSR, May 62 (TOP SECRET [redacted]) 25X1
- 6. NPIC. R-110/62, ICBM Launch Complex, Tyumen, USSR, Changes Since [redacted] Jul 62 (TOP SECRET [redacted]) 25X1
- 7. NPIC. R-172/63, Launch Complexes D, E, and F, Tyura Tam Missile Test Center, USSR, Aug 63 (TOP SECRET [redacted]) 25X1

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REQUIREMENT

CIA. ORR/C-RR3-80,425

NPIC PROJECT

J-255/63