

Next 2 Page(s) In Document Exempt

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TALENT-KEYHOLE
CONTROL SYSTEM ONLY

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TCS-2170-65
5 March 1965

Declass Review by NIMA/DOD

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MEMORANDUM FOR: Chairman, Deployment Working Group, GMAIC
SUBJECT: Request for Description and Mensuration of Selected Sites at TTMTIC
REFERENCE: GMAIC Requirement 10-65 (NPIC Project 11120-5)

1. This memorandum is in response to your requirement which requests description and mensuration of selected sites at the Tyuratam Missile Test Center (TTMTIC).

2. For a, b, and c under specific requirements, a short textual description and a line drawing of each launch site has been included. The description is a brief history of the site, the type if applicable, and association with other sites. The line drawings furnish further descriptive details as well as pertinent dimensions. Ditching for possible cable connections to other sites is also shown.

3. Additional information on the launch sites listed in the requirement can be found in the following NPIC reports on Complex G: NPIC/R-85/63, NPIC/R-288/63, NPIC/R-334/63.

25X9



5. The search for additional single silos at Tyuratam was conducted with negative results with the following exception: The function of launch site B-3 [redacted] Because of poor quality and insufficient cover during the construction period of this site and evidence of an excavation during its construction, the possibility of one or more silos cannot be negated at this site. The search was conducted on Mission [redacted]

25X1B

25X1D

[redacted] the most recent cloud-free cover of TTMTIC.

GROUP 1
Excluded from automatic
downgrading and
declassification

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6. This project is considered to be complete.

25X1A



Colonel, USA

Assistant for Photographic Analysis, NPIC

Enclosure:

Description of launch sites
12 line drawings

Distribution:

- 1-14-OACSI-DA [redacted] (w/enc)
- 15-PAG/NPIC (w/o enc)
- 16-PRO/PAG/NPIC (w/o enc)
- 17- [redacted]/PAG (w/o enc)
- 18-CIA/PID (w/enc)
- 19-OS/NPIC (w/o enc)
- 20-CSD/NPIC (w/enc)
- 21-AFNIE-BA [redacted] (w/o enc)
- 22-OPNAV 922Y [redacted] (w/o enc)
- 23-Army/SPAD [redacted] (w/o enc)
- 24-DIAXX-3A (w/enc)
- 25-DIAXX-3C (w/enc)

25X1A

25X1A



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Enclosure to TCS-2170-65

25X1D Launch Site A 3, a road served single silo launch site under construction,
25X1D is located at 45-54N/63-20E. Construction at this site was first observed on
photography of [redacted] and can be negated on photography of Mission
[redacted]

25X1D At this Type III C launch site is an excavation containing a silo
measuring 55 by 45 feet with an aperture of about [redacted] diameter. The site
access road approaches the silo from the north but turns to form a roughly
circular loop just at the northwest corner of the silo excavation. Just
inside the security fence is a building measuring 150 by 40 feet, and just
east of the silo is one other building measuring 80 by 35 feet. Other than
these buildings, the only other significant items visible within the security
fence are several dirt piles and an excavation which measures 120 by 55 feet.
A ground scar leads from this launch site to launch site I.

25X1D Launch Site B 2 is located at 45-59N/63-33E and contains a road served
25X1D single silo launch site under construction. This type III C launch site was
first seen in photography of [redacted] and can be negated on Mission
[redacted]

As seen on last usable photography, the site consists of an excavation
containing a launch silo under construction, a paved looped road which
approaches the silo from the north, one building 150 by 50 feet, an earth
mounded probable structure, a buried structure or earth mound, and several
unidentified structures. The entire launch site is surrounded by a nearly
square security fence. Ditching connects this area with launch area B1 and
Complex I and ground scarring is visible leading toward the rangehead main
road.

25X1D

25X1D Launch Site B 3, located at 46-00N/63-34E is a road served launch site.
It was first identified on photography of [redacted] and can be negated
[redacted]

There are certain general similarities between this area and launch site
C 3, particularly in the road pattern, however, the set up of associated
buildings differ considerably. In present configuration, the site access road
widens to an oval pad-like area which contains a dome-like object 40-50 feet
in diameter at or near its center. Directly behind this pad-like area and
connected to it by road is a probable arch-roofed building. Forward and to
the left, and behind and to the left of the pad-like area are two prepared
aprons connected to it by a loop road. Ditching can be seen connecting the
forward apron with another ditch which runs at right angles to the long axis
of the pad-like area immediately at its rear. An earth mounded building is
located forward and to the right of the probable arch-roofed buildings and two
buildings are located outboard of the pad-like area.

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The entire launch site is surrounded by a roughly rectangular security fence.

25X1D Launch Site G1/G2 is located at 46-04N/62-56E contains two rail served launch pads separated by 985 feet, First seen on photography of [REDACTED] this launch site can be negated on photography of [REDACTED] 25X1D

The two launch pads each have a launch stand served by a 115 foot high gantry which travels on tracks 40 feet wide. Behind pad G1 and connected to it by tracks is an earth mounded building measuring 140 by 80 feet. Behind pad G2 is a missile ready building measuring 125 by 125 feet which is also connected to the pad by rail. Inboard and outboard of each pad is a bunkered building and approximately centrally located between the pads is a rectangular earth mound structure. A building measuring 160 by 45 feet lies about half-way between the two missile ready buildings. Several miscellaneous buildings, earth mounds, ditching, and roads are also visible within this doubly fenced launch site.

25X1D Launch Site G3/G4 is located at 46-04N/62-58E. This rail served launch site was first seen on [REDACTED] On last usable photography the site contained two rail served launch pads separated by 1,970 feet, 9 large earth mounded buildings, 11 small earth mounded buildings, 5 buried tanks and several buildings of various sizes. Each launch pad is equipped with a flame pit and is served by a gantry 200 feet high which may be moved to the rear of the pad on rails [REDACTED] In addition to the rail service directly to the launch pad, two other rail spurs serve the area immediately behind each pad. Several excavations, ditching, and earth mounded probable cables or pipelines are also visible at this launch site. 25X1D

25X1D Launch Site G5/G6 is a soft, road served launch site located at 46-05N/62-54E. It was first seen on [REDACTED] and can be negated on [REDACTED] The site access road enters at a central location and forks to form a double loop road pattern with a common center road. The launch pads, located to the outboard side of each loop, are separated approximately 640 feet, and each contains an unidentified object at or near its center. Each pad is served by a common gantry which is 80 feet high and moves on tracks 35 feet wide. An earth mounded drive in bunker is located to the left and right of the center road and an earth mounded structure is located just left of the center road. Three buildings, 215 by 50 feet, 140 by 40 feet and 60 by 25 feet are located along the access road just inside the double security fencing and an earthen disposal basin is located just outside the fencing slightly forward and to the left of the left pad. Closed ditching connects this disposal basin to the right pad. Closed ditching also connects G5/G6 to launch site G8/G9, G3/G4, G1/G2 and the complex support facility. 25X1D

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25X1D Launch Site G7 is a road served, single silo launch site under construction. It is located at 46-04N/62-56E where it was first seen on photography of [REDACTED]

Within this type III C launch site can be seen an excavation containing a silo structure which measures approximately 80 by 50 feet. Just south of the silo excavation is another excavation containing a building 70 by 50 feet which is the center component of an "L" shaped electronic facility under construction. Legs of this electronic facility measure 1,310 feet each. A building measuring 145 by 30 feet is located along the access road just inside the double security fencing.

25X1D Launch Site G8/G9 is a road served type III D launch site in late stage of construction. It is located at 46-04N/62-57E where it was first identified on [REDACTED] provides negation coverage of this same area.

The site access road enters the site and forms a loop road. Two silos, separated by 385 feet, are located to the left side of each leg of the loop road. Inside diameters of the silos range from [REDACTED] Three buildings 25X1D 210 by 50 feet, 140 by 40 feet and 60 by 20 feet are located along the access road just inside the security fence. Five earth mounded buildings are also visible at various points around the loop road.

25X1D Launch Site I is a road served, single silo launch site under construction. It is located at 45-56N/63-26E. This type IIIIC launch site was first seen on [REDACTED]

25X1D As seen on the last usable photography, the site consists of a silo excavation, which contains a silo measuring 55 by 45 feet with aperature approximately [REDACTED] in diameter. South of this excavation is another excavation which contains a building 115 by 60 feet which appears to be the center component of an "L" shaped electronics facility under construction. One leg of this facility is 1,420 feet long and the other is 1,320 feet long. The site access road enters the doubly fenced launch site from the west and loops to the north where it approaches the silo from the NNE. A prepared surface apron adjoins the silo excavation on the north side. Ditching connects launch site I with launch sites A 3 and B 2. Several buildings and a number of earth mounds are also visible in and around the launch site.

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25X1D
25X1D
25X1D
Launch Complex K is located at 46-02N/63-03E and consists of two separately fenced launch sites. Launch sites K 1 and K 2 are enclosed by a common security fence and are both type III C sites under construction. They were first seen on photography of [redacted] and can be negated on [redacted]. Launch site K 3 is a type III D launch site under construction. It was first seen on [redacted].

25X1D

Launch Sites K 1 and K 2 both consist of excavations which contain a silo measuring 60 by 55 feet with apertures approximately [redacted] in diameter. A prepared apron is located immediately north of the excavation at K 1 and a similar apron is under construction just north of the excavation at K 2. A flat top earth mound is situated just south of each excavation. A building measuring 160 by 35 feet lies along the access road just inside the security fence and ditching from various points at K 1 and K2 interconnect and leave the area toward launch site G 7.

Launch Site K 3 which appears to be in a late stage of construction, consists of a silo, a possible earth mounded structure adjoining the silo and an "I" shaped electronic facility with legs measuring 1,360 and 1,300 feet. At the extremities of each leg is what appears to be antenna silos. The entire launch site is surrounded by a double security fence.

25X1D
25X1D
25X1D
A revetted storage area is located approximately 2 nautical miles (nm) west of the complex G support facility at 46-03N/62-53E. It was first seen on photography of [redacted] and can be negated on [redacted]. On coverage of [redacted] four revetted storage buildings are visible with two others under construction. By Mission [redacted] this doubly fenced secured area consists of 9 revetted storage sites and one unidentified small building. Just outside the fence to the north are three buildings, including a possible communication site, and a probable bunkered building.

25X1D

25X1D

25X1D
25X1D
25X1D
An area of unidentified construction is located at 46-03N/62-51E, approximately 3.5 nm west of the support facility at launch complex G. This activity was first identified on [redacted] and can be negated on photography [redacted]. As seen on coverage of [redacted] there are 11 buildings in various stages of construction, several rough excavations, and one other excavation with three apparently different levels which may be part of one building foundation. At this early stage of construction, it is not yet possible to assign a function.

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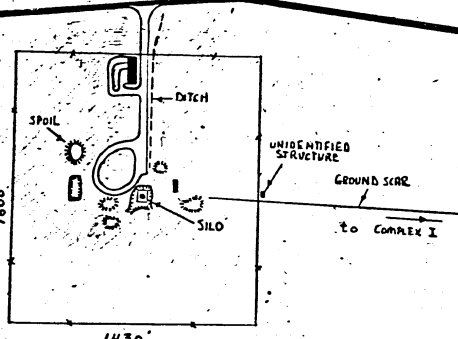
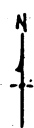
Enc to TCS-2170-65

TSR

LAUNCH SITE A3
TYURATAM MISSILE TEST CENTER, USSR
45-54 N 63-20 E

COMPLEX SUPPORT

RAIL EMBANKMENT
(CONSTRUCTION ABANDONED)



- BEACH TOPPED ROAD
- IMPROVED ROAD
- FENCE
- EARTH MOUND
- EXCAVATION

- SILO 55' x 45'
- SILO APERTURE DIAMETER 25X10
- 1 BUILDING 150' x 40'
- 1 BUILDING 80' x 35'
- EXCAVATION 120' x 55'

0 500 1000
FEET (APPROXIMATE)

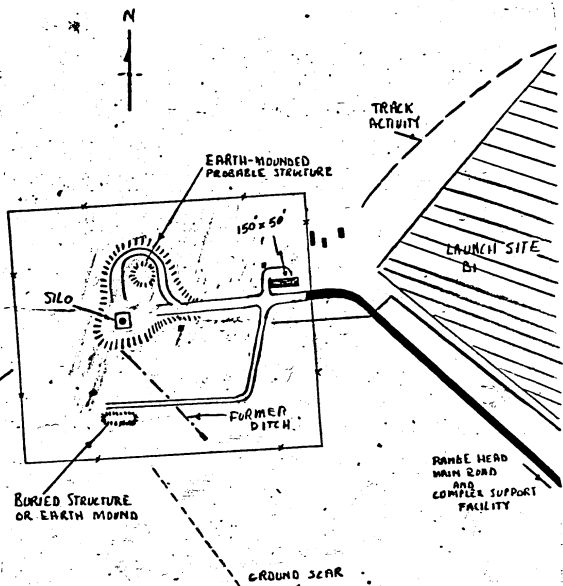
TOP SECRET RUSS

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TOP SECRET

Enc to TCS-2170-65

LAUNCH SITE B2
TTMFC
45-59N-63-33E



- PAVED ROAD
- BLACKTOPPED ROAD
- GRADED ROAD ON FILL
- DITCH
- UNIDENTIFIED STRUCTURE
- HILLDCK

0 50 100
FEET (APPROXIMATE)

TOP SECRET

S-16457

TOP SECRET

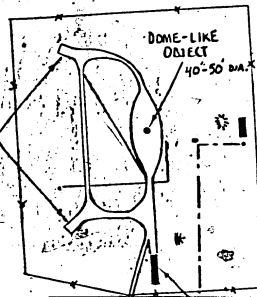
Enc to TCS-2170-65

LAUNCH SITE B3

LAUNCH COMPLEX
B

T.T.M.T.C., OSSR

46-00-N 63-34-E



- ==== ROAD
- ==== DITCH
- EARTH MOUND (CABLE OR PIPELINE)
- EARTH MOUND BUILDING
- * EARTH MOUND
- UNIDENTIFIED OBJECT

50 0 50 100
FEET (APPROXIMATE)

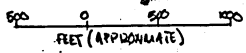
COMPLEX SUPPORT FACILITY

LAUNCH SITE B3

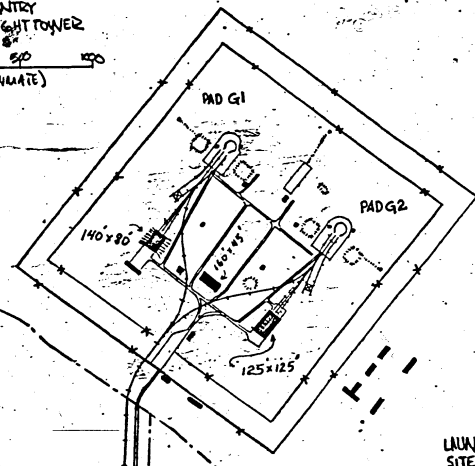
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- RAILROAD
- ROAD
- FENCE
- PROBABLE ENTRANCE CONDUIT
- EARTH-MOUNDING PROBABLE CABLE
- EARTH MOUNDING
- EARTH BANKED BUILDING
- MISSILE GANTRY
- PROBABLE LIGHT TOWER

PAD SEPARATION 985'
 READY Bldg to Pads 785'
 GANTRY 115'h
 GANTRY TRACKS 40' w



LAUNCH SITE G1/2
 TTMTC, USSR
 4604 N 6256 E



LAUNCH SITE G7

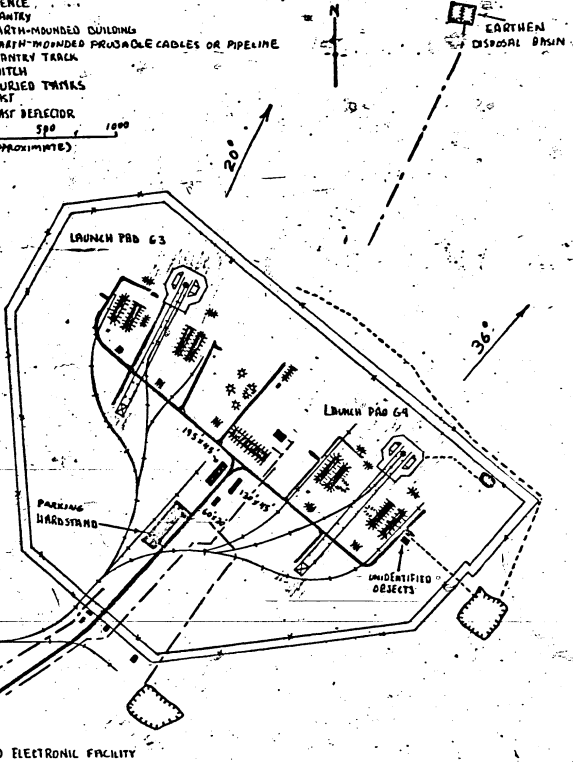
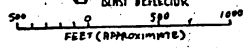
TOP SECRET RUFF

Enc to TCS-2170-65

7566

LAUNCH SITE
G3/G4
ITMTC
4604N/6258E

- EXCAVATION
- RAILROAD
- ROAD
- FENCE
- GANTRY
- EARTH-MOUNDED BUILDING
- EARTH-MOUNDED PROSABLE CABLES OR PIPELINE
- GANTRY TRACK
- DITCH
- DURIED TANKS
- MIST
- BLAST REFLECTOR



PAD SEPARATION 1970'
 GANTRY 200'h
 GANTRY TRACKS [REDACTED]

25X1D

COMPLEX SUPPORT FACILITY

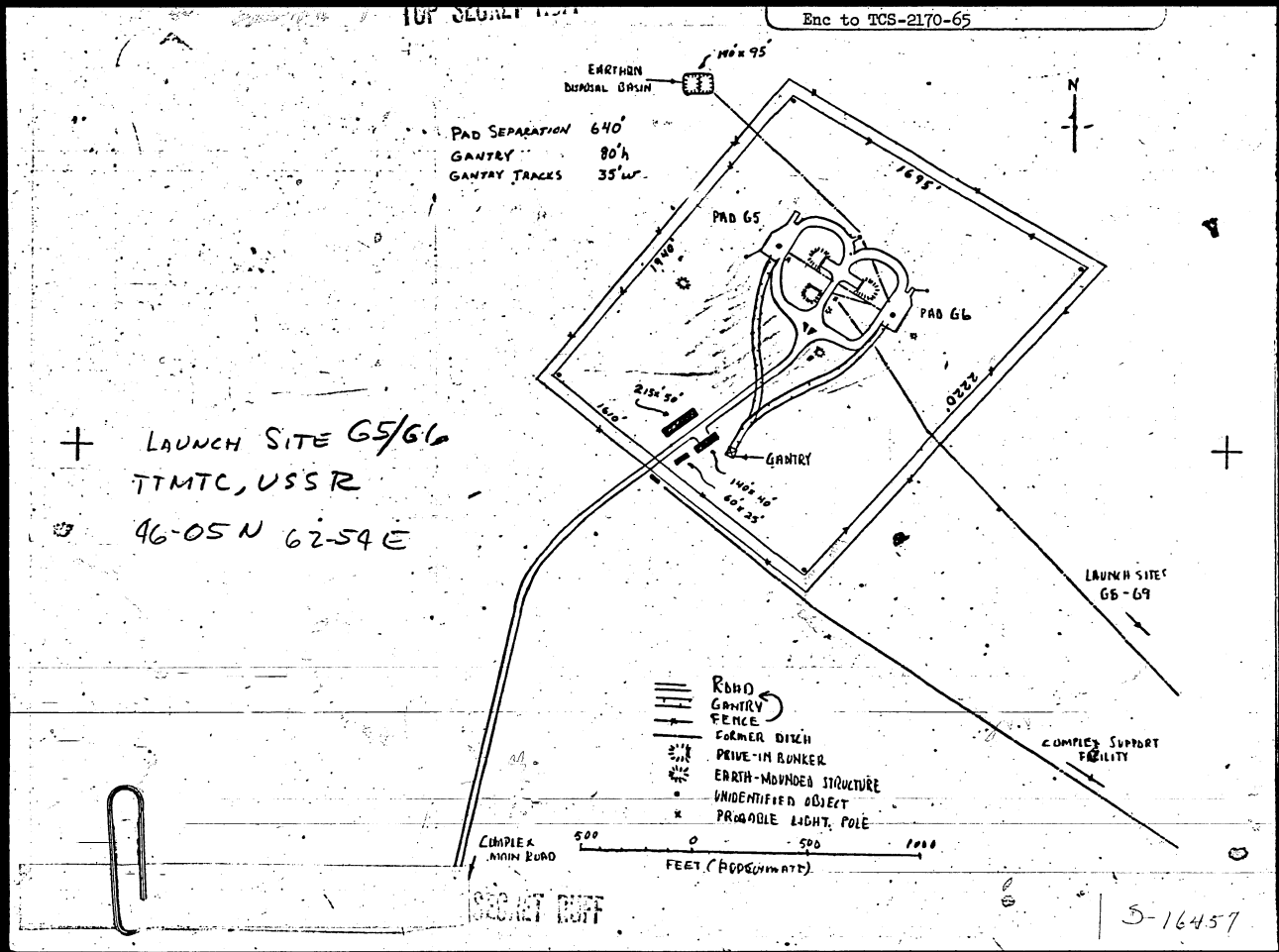
L-SHAPED ELECTRONIC FACILITY

SECRET RUFF

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TOP SECRET

Enc to TCS-2170-65



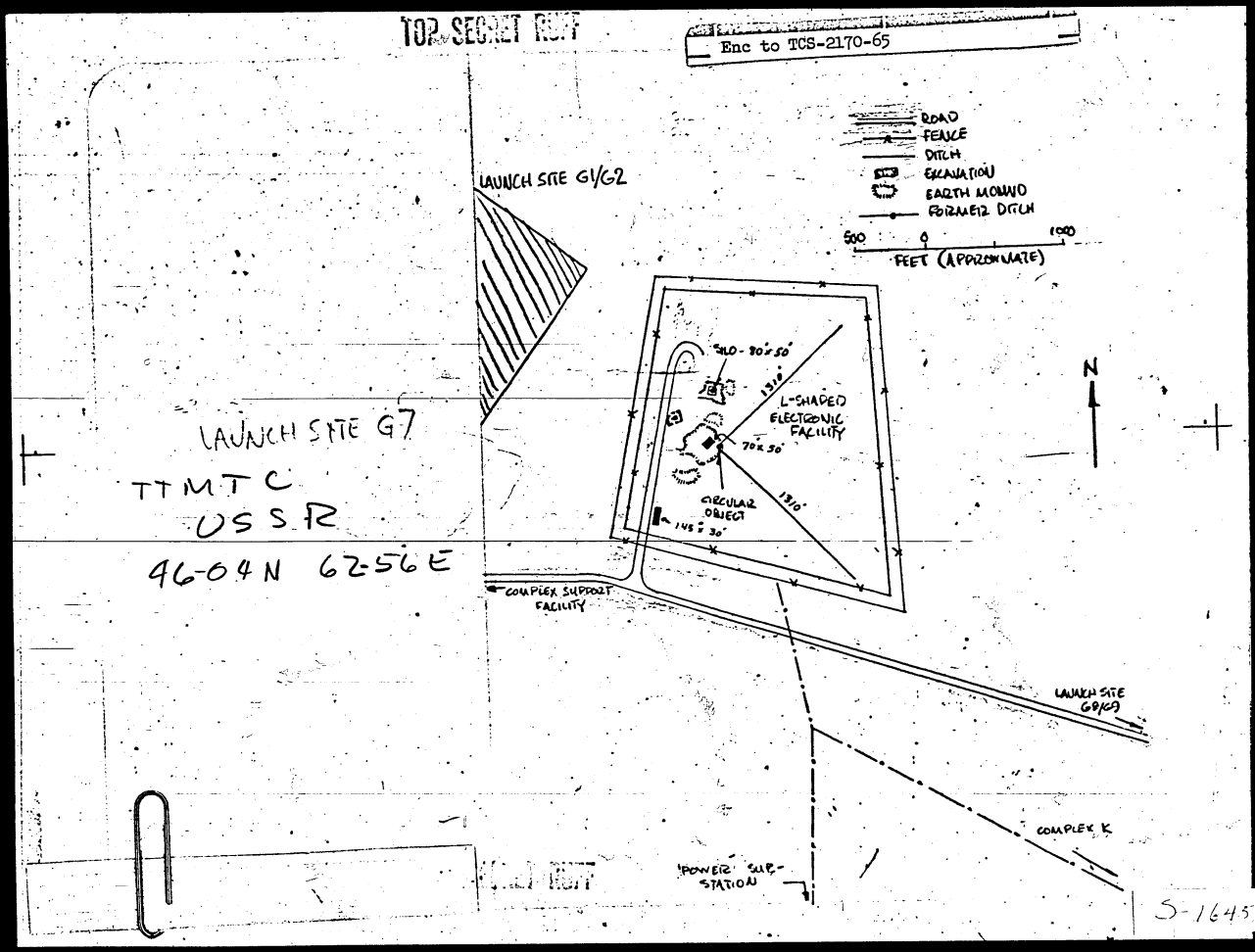
+ LAUNCH SITE 65/66
 TTMTc, USSR
 46-05 N 62-54 E

SECRET

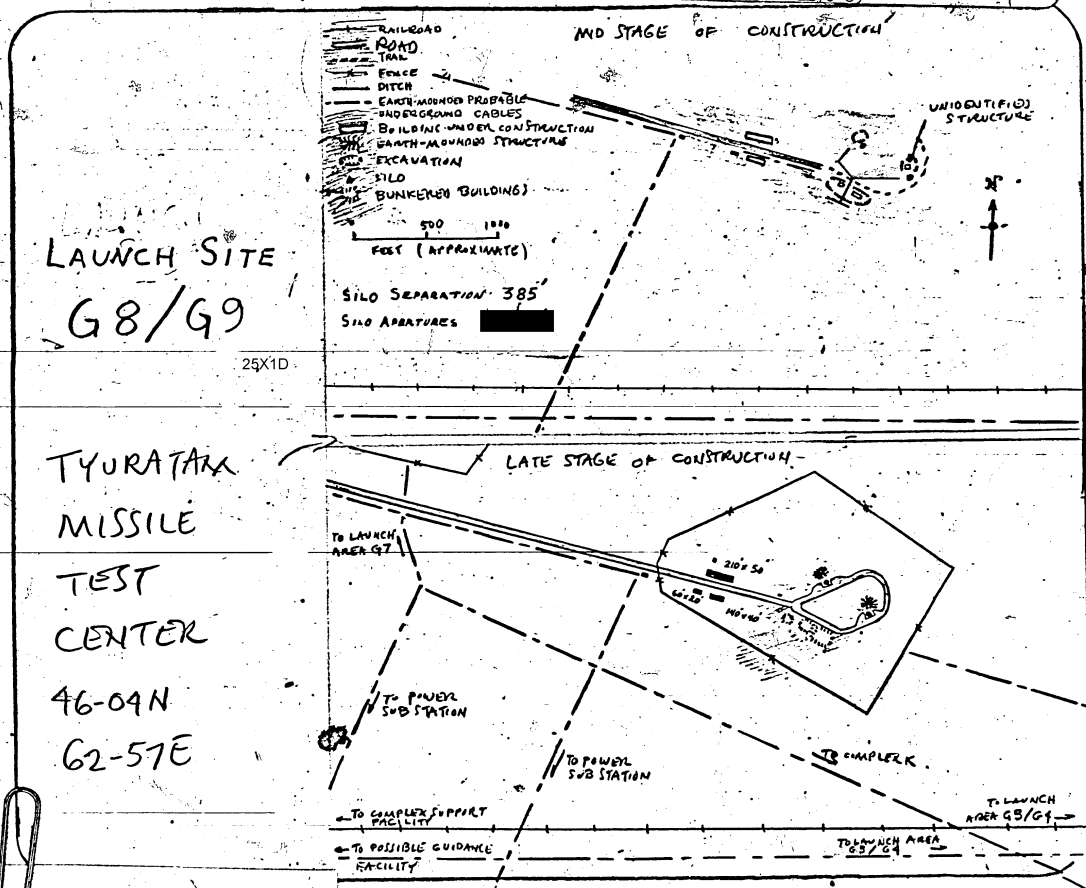
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LAUNCH SITE
G8/G9

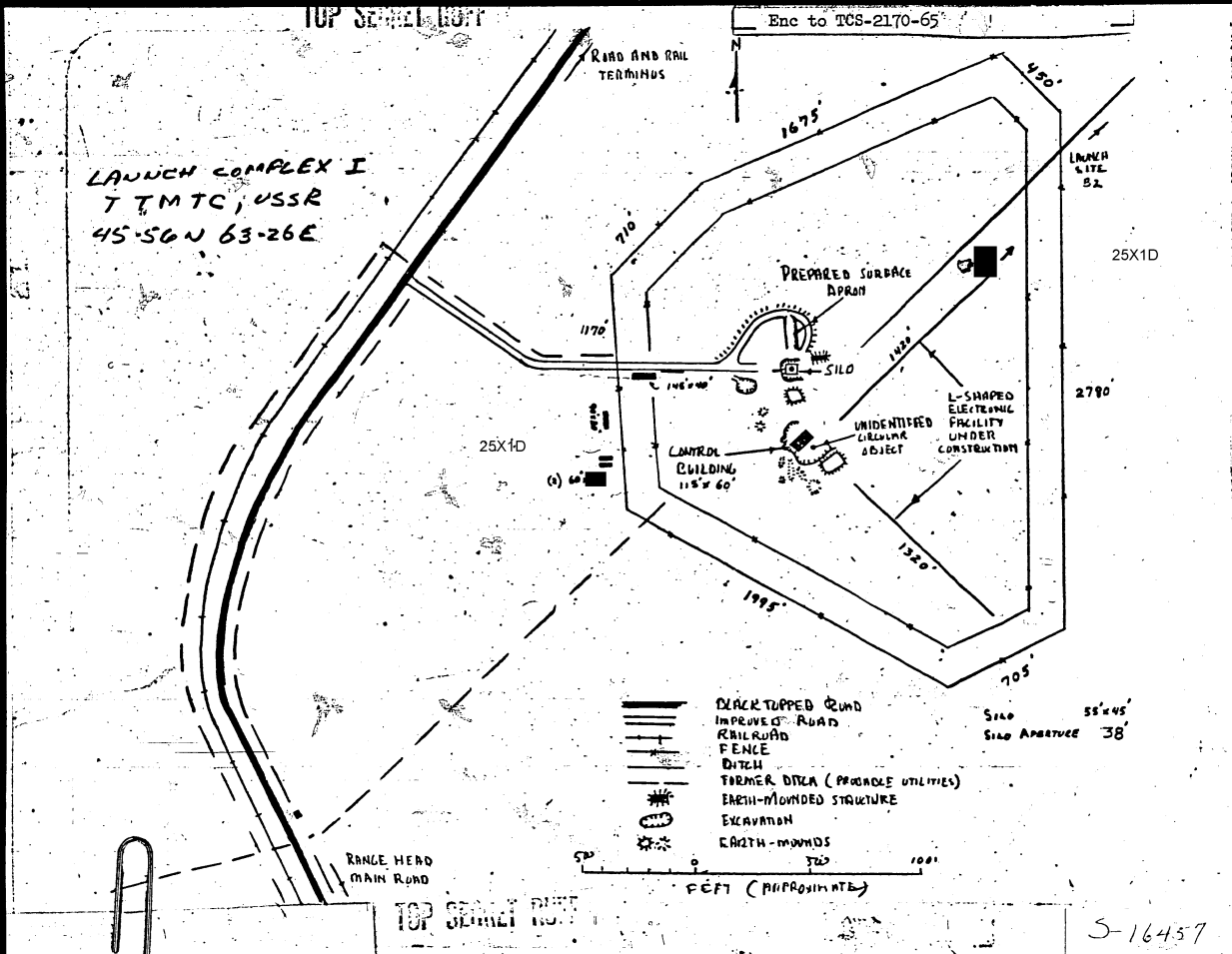
TYURATAM
MISSILE
TEST
CENTER
46-04N
62-57E

25X10

TOP SECRET

Enc to TCS-2170-65

LAUNCH COMPLEX I
7 TMTCS, USSR
45-56N 63-26E



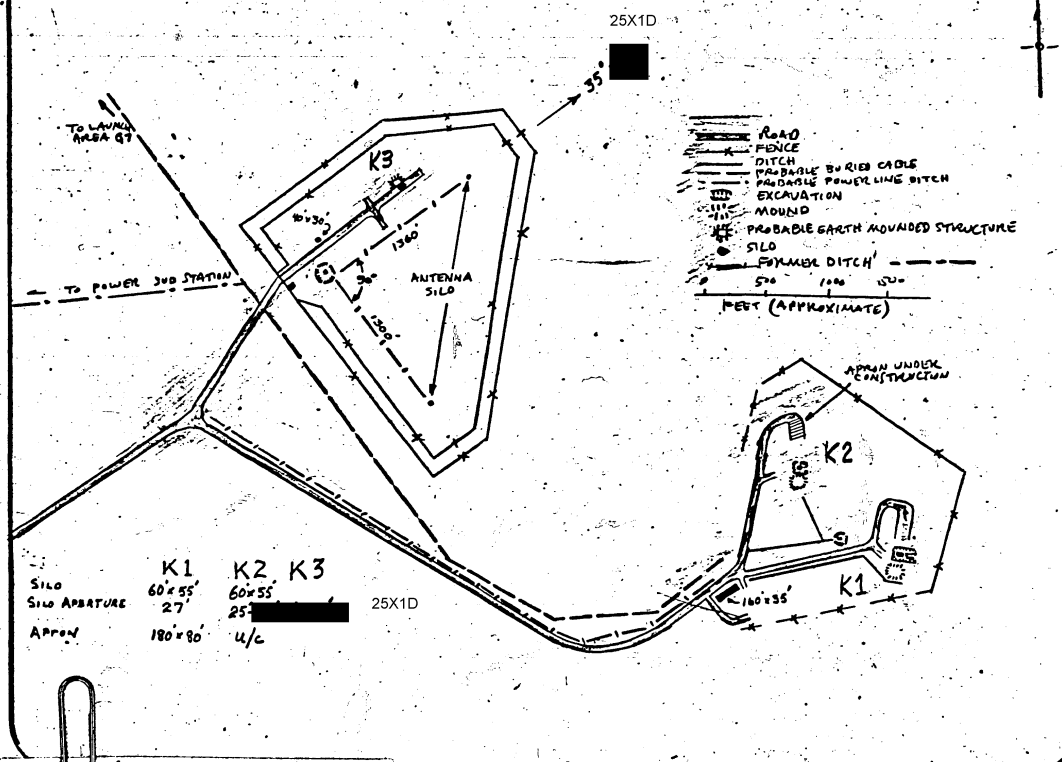
- BLACK TOPPED MOUND
- IMPROVED ROAD
- RAILROAD
- FENCE
- DITCH
- FARMER DITCH (PROVIDE UTILITIES)
- EARTH-MOUNDED STRUCTURE
- EXCAVATION
- EARTH-MOUNDS

FEET (APPROXIMATE)

TOP SECRET

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LAUNCH COMPLEX K
 T T MISSILE TEST CENTER
 46-02 N 63-03E CENTER

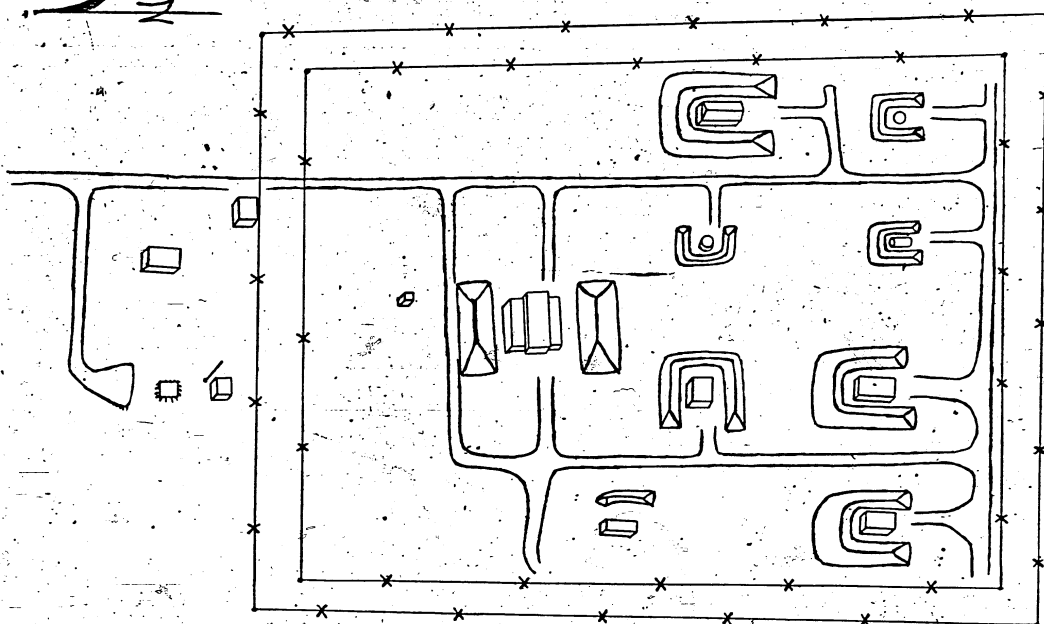


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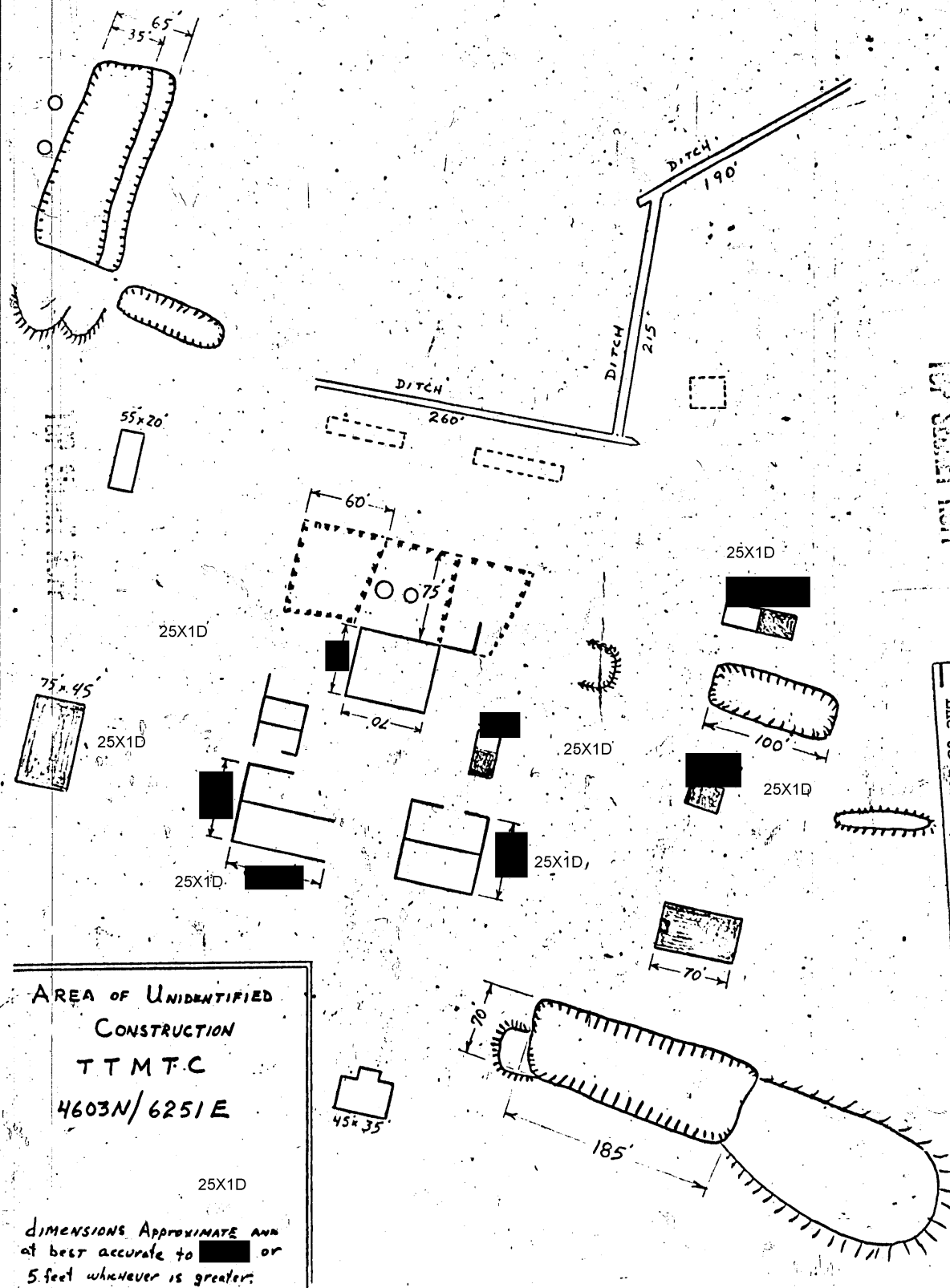
REVETTED STORAGE AREA

TTMTC

4603N/6253E

TOP SECRET RUFF

16457



TOP SECRET UNIT

Enc to ncs-2170-65

AREA OF UNIDENTIFIED
 CONSTRUCTION
 TT MFC
 4603N/6251E

25X1D

DIMENSIONS APPROXIMATE AND
 at best accurate to 5 feet
 whenever is greater.

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