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# TARGET FOLDER

AFHR001

HERAT TALIBAN COMMUNICATION CENTER, AF

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# HERAT TALIBAN COMMUNICATION CENTER, AF JOINT OPERATIONS GRAPHIC 1/1

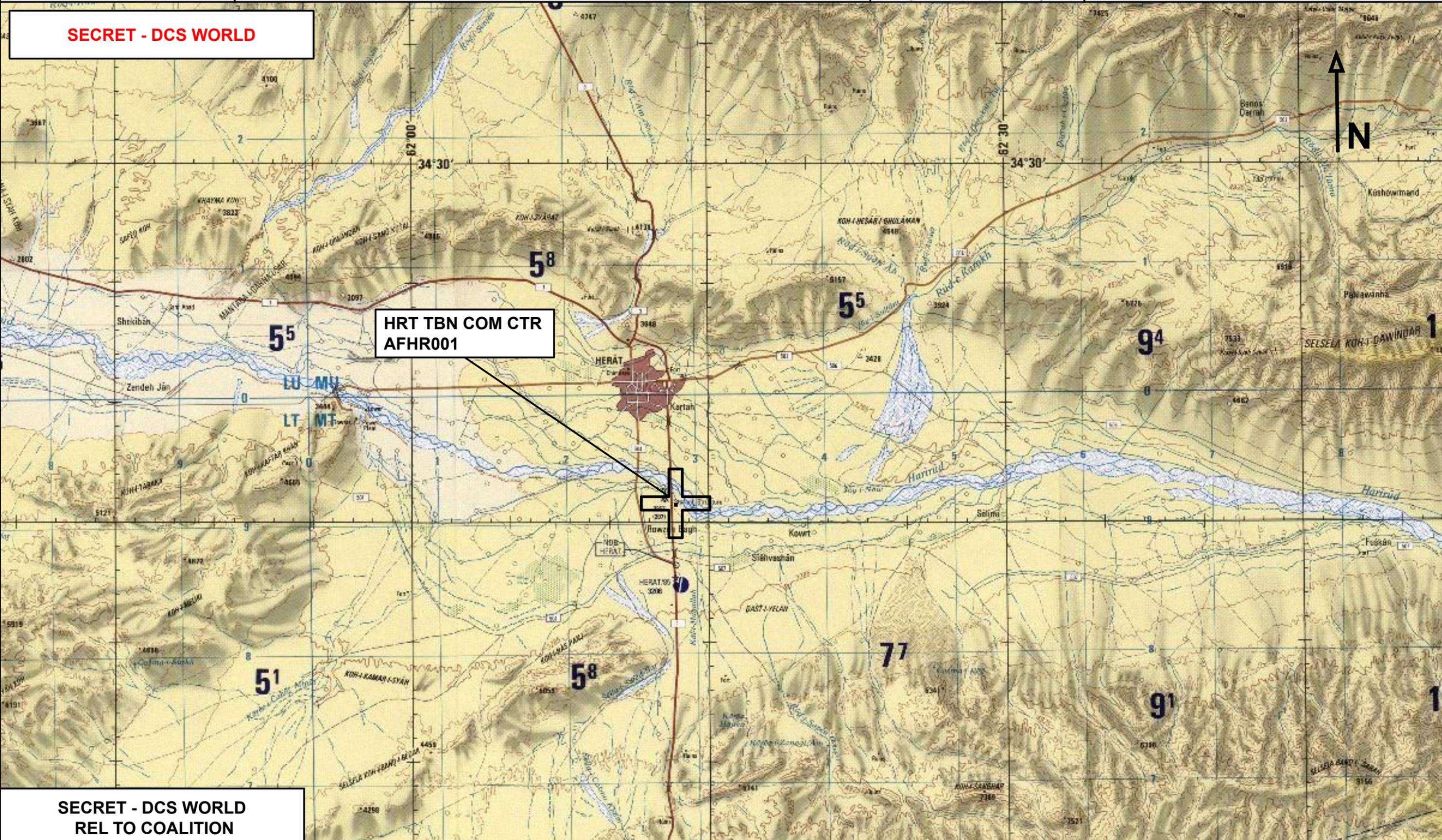
BE: AFHR001 CATCODE: 41  
MIDB GEOS: 34 15.993 N 062 13.357 E  
ICOD: 07OCT2001 DOI: 18SEP2001



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DECL ON: 20511007 (+50 YEARS)

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**HRT TBN COM CTR  
AFHR001**

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# HERAT TALIBAN COMMUNICATION CENTER, AF ORIENTATION VIEW GRAPHIC 1/1

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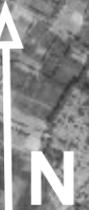
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**— INSTALLATION OUTLINE  
— FACILITY OUTLINE**



# HERAT TALIBAN COMMUNICATION CENTER, AF FACILITY OUTLINE GRAPHIC 1/1

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# HERAT TALIBAN COMMUNICATION CENTER, AF CRITICAL ELEMENT GRAPHIC 1/1

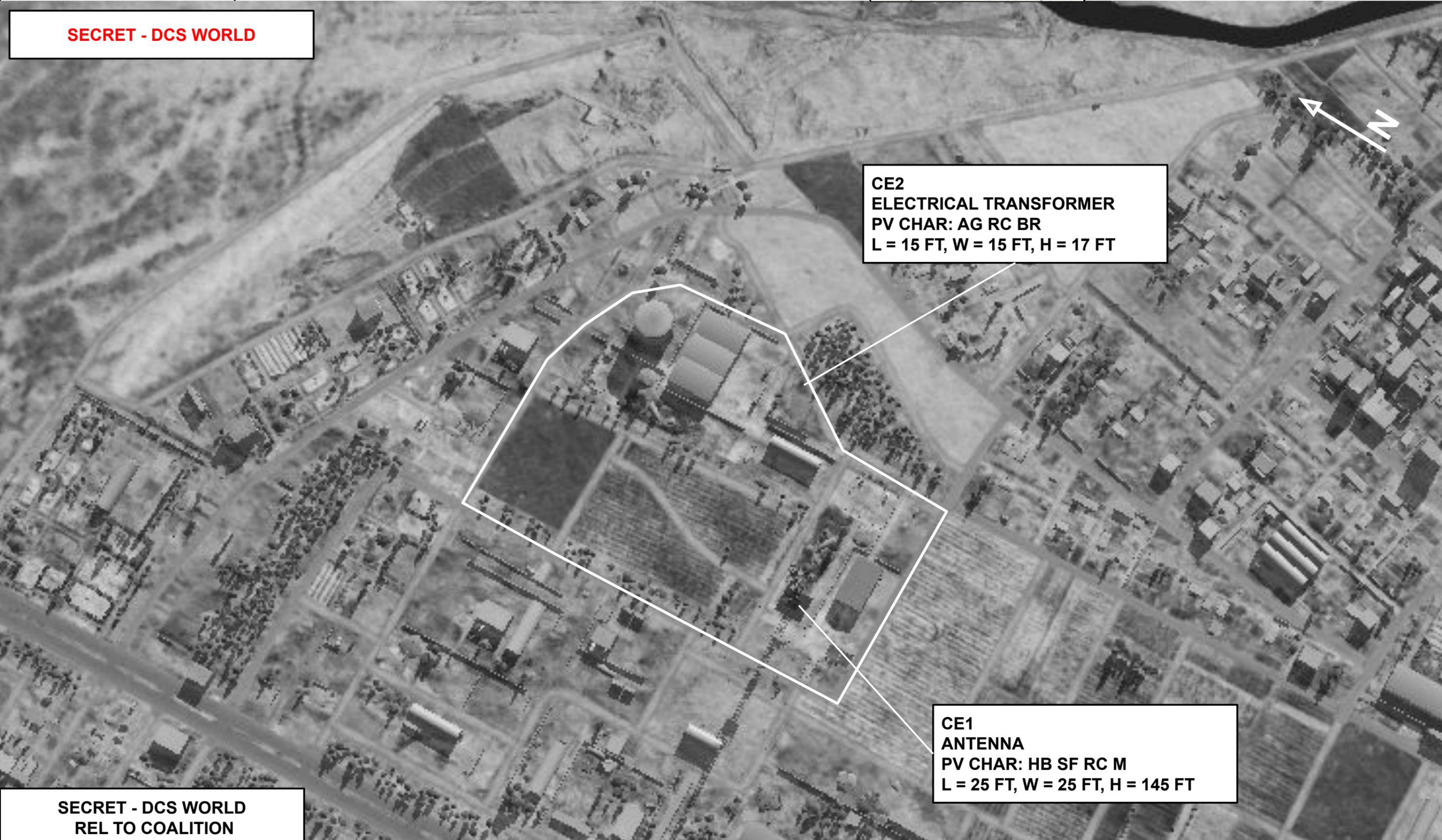
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**CE2  
ELECTRICAL TRANSFORMER  
PV CHAR: AG RC BR  
L = 15 FT, W = 15 FT, H = 17 FT**

**CE1  
ANTENNA  
PV CHAR: HB SF RC M  
L = 25 FT, W = 25 FT, H = 145 FT**

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# HERAT TALIBAN COMMUNICATION CENTER, AF JOINT DESIRED POINT OF IMPACT GRAPHIC 1/1



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**JDPI: AT00111  
RDO COMM TWR  
34 15 56.76 N 062 13 19.62 E  
34 15.9460 N 062 13.3271 E  
JDPI MSL: 3087 FT  
FEAT HGT: 145 FT  
JDPI AGL: 13 FT  
CE 90: 115 FT / LE90: 130 FT**

**JDPI: AT00121  
WRH 1 GND  
34 15 55.5 N 062 13 20.82 E  
34 15.9251 N 062 13.3472 E  
JDPI MSL: 3071 FT  
FEAT HGT: 17 FT  
JDPI AGL: 0 FT  
CE 90: 115 FT / LE90: 130 FT**

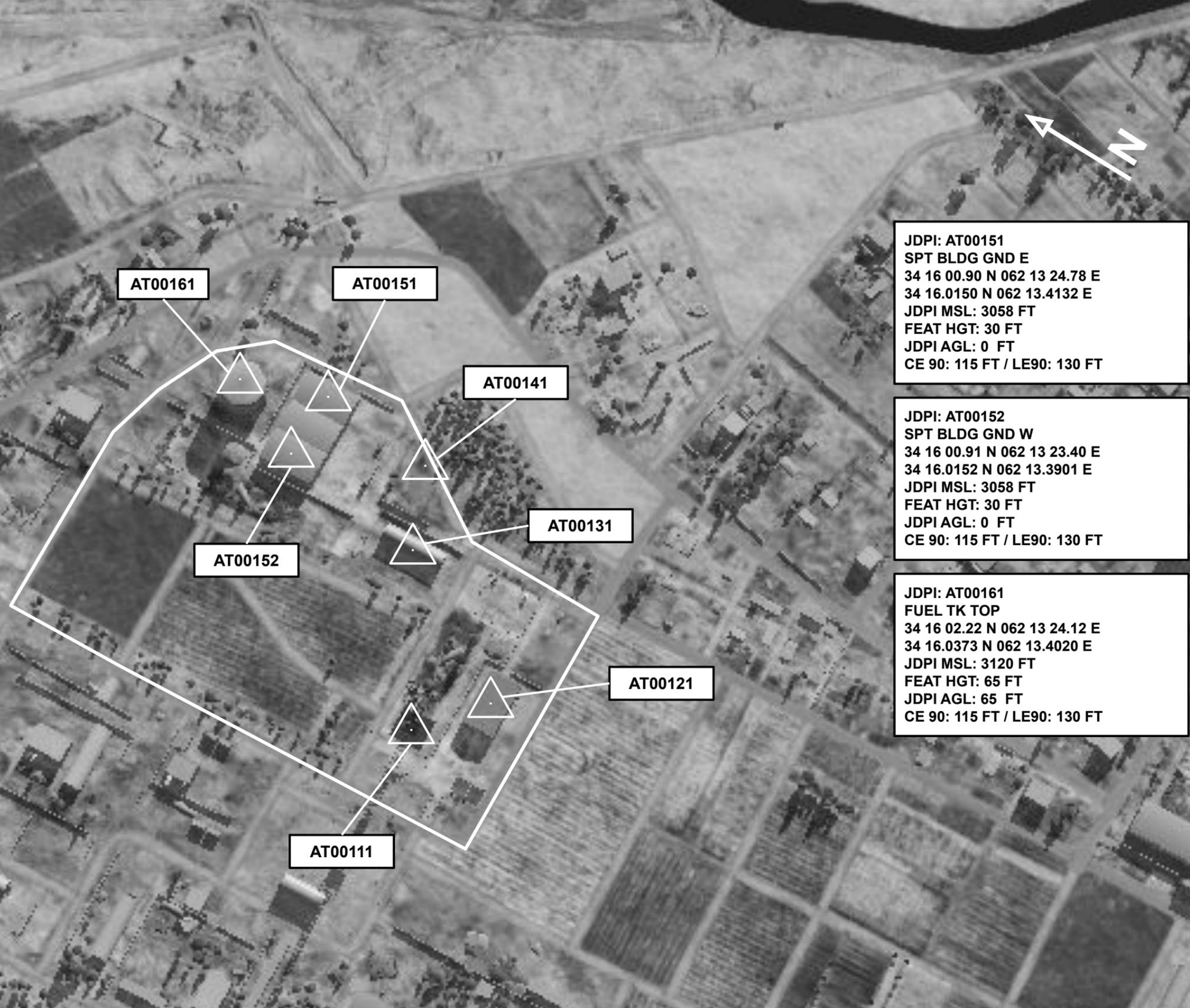
**JDPI: AT00131  
WRH 2 GND  
34 15 58.26 N 062 13 22.92 E  
34 15.9715 N 062 13.3820 E  
JDPI MSL: 3071 FT  
FEAT HGT: 17 FT  
JDPI AGL: 0 FT  
CE 90: 115 FT / LE90: 130 FT**

**JDPI: AT00141  
ELEC TRAN GND  
34 15 59.10 N 062 13 24.66 E  
34 15.9853 N E 062 13.4112 E  
JDPI MSL: 3071 FT  
FEAT HGT: 17 FT  
JDPI AGL: 0 FT  
CE 90: 115 FT / LE90: 130 FT**

**JDPI: AT00151  
SPT BLDG GND E  
34 16 00.90 N 062 13 24.78 E  
34 16.0150 N 062 13.4132 E  
JDPI MSL: 3058 FT  
FEAT HGT: 30 FT  
JDPI AGL: 0 FT  
CE 90: 115 FT / LE90: 130 FT**

**JDPI: AT00152  
SPT BLDG GND W  
34 16 00.91 N 062 13 23.40 E  
34 16.0152 N 062 13.3901 E  
JDPI MSL: 3058 FT  
FEAT HGT: 30 FT  
JDPI AGL: 0 FT  
CE 90: 115 FT / LE90: 130 FT**

**JDPI: AT00161  
FUEL TK TOP  
34 16 02.22 N 062 13 24.12 E  
34 16.0373 N 062 13.4020 E  
JDPI MSL: 3120 FT  
FEAT HGT: 65 FT  
JDPI AGL: 65 FT  
CE 90: 115 FT / LE90: 130 FT**



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**HERAT TALIBAN COMMUNICATION CENTER, AF  
WEAPONNEERING OPTIONS 1/1**

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JDPI	DESCRIPTION	TLE	WARHEAD	GUIDANCE	DESIRED EFFECT	IMPACT ANGLE	FUZING
AT00111	RADIO COMMUNICATION TOWER	CAT IV	500 lbs GP	METRIC	BLAST, FRAGMENTATION	60 - 90°	0 ms
AT00121	WAREHOUSE 1 GND	CAT IV	500 lbs GP	DECAMETRIC	BLAST, FRAGMENTATION	60 - 90°	10 ms
AT00131	WAREHOUSE 2 GND	CAT IV	500 lbs GP	DECAMETRIC	BLAST, FRAGMENTATION	60 - 90°	10 ms
AT00141	ELECTRICAL TRANSFORMER GND	CAT IV	500 lbs GP	METRIC	BLAST, FRAGMENTATION	60 - 90°	10 ms
AT00151	SUPPORT BUILDING EAST GND	CAT IV	1000 lbs GP	DECAMETRIC	BLAST, FRAGMENTATION	60 - 90°	25 ms
AT00152	SUPPORT BUILDING WEST GND	CAT IV	1000 lbs GP	DECAMETRIC	BLAST, FRAGMENTATION	60 - 90°	25 ms
AT00161	FUEL TANK TOP	CAT IV	500 lbs GP	METRIC	BLAST, FRAGMENTATION	60 - 90°	0 ms

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# HERAT TALIBAN COMMUNICATION CENTER, AF COLLATERAL DAMAGE ESTIMATION GRAPHIC 1/2

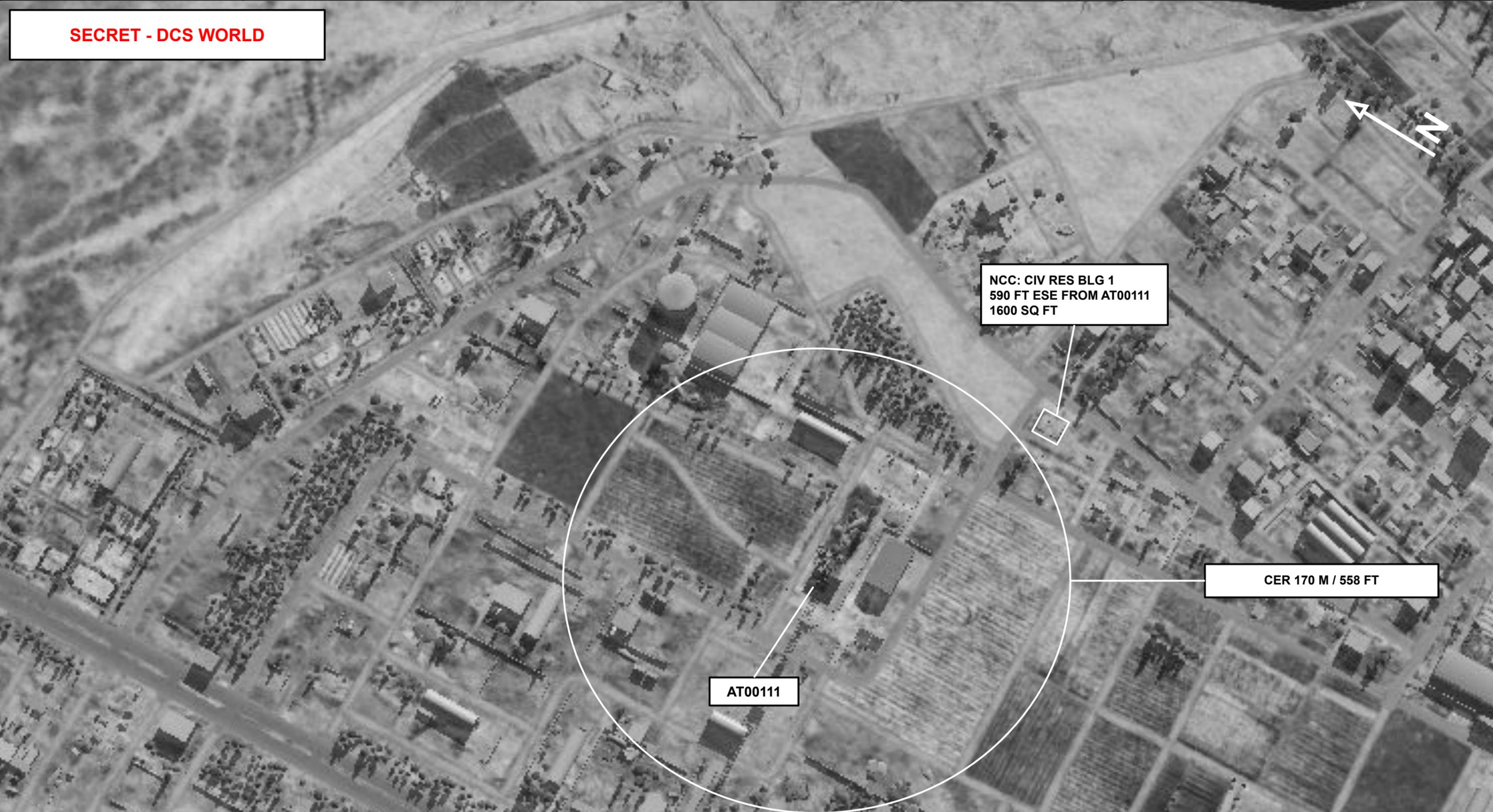
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**NOT DUAL USE: CDE 2 LOW, PGM, UNITARY**



# HERAT TALIBAN COMMUNICATION CENTER, AF COLLATERAL DAMAGE ESTIMATION GRAPHIC 2/2

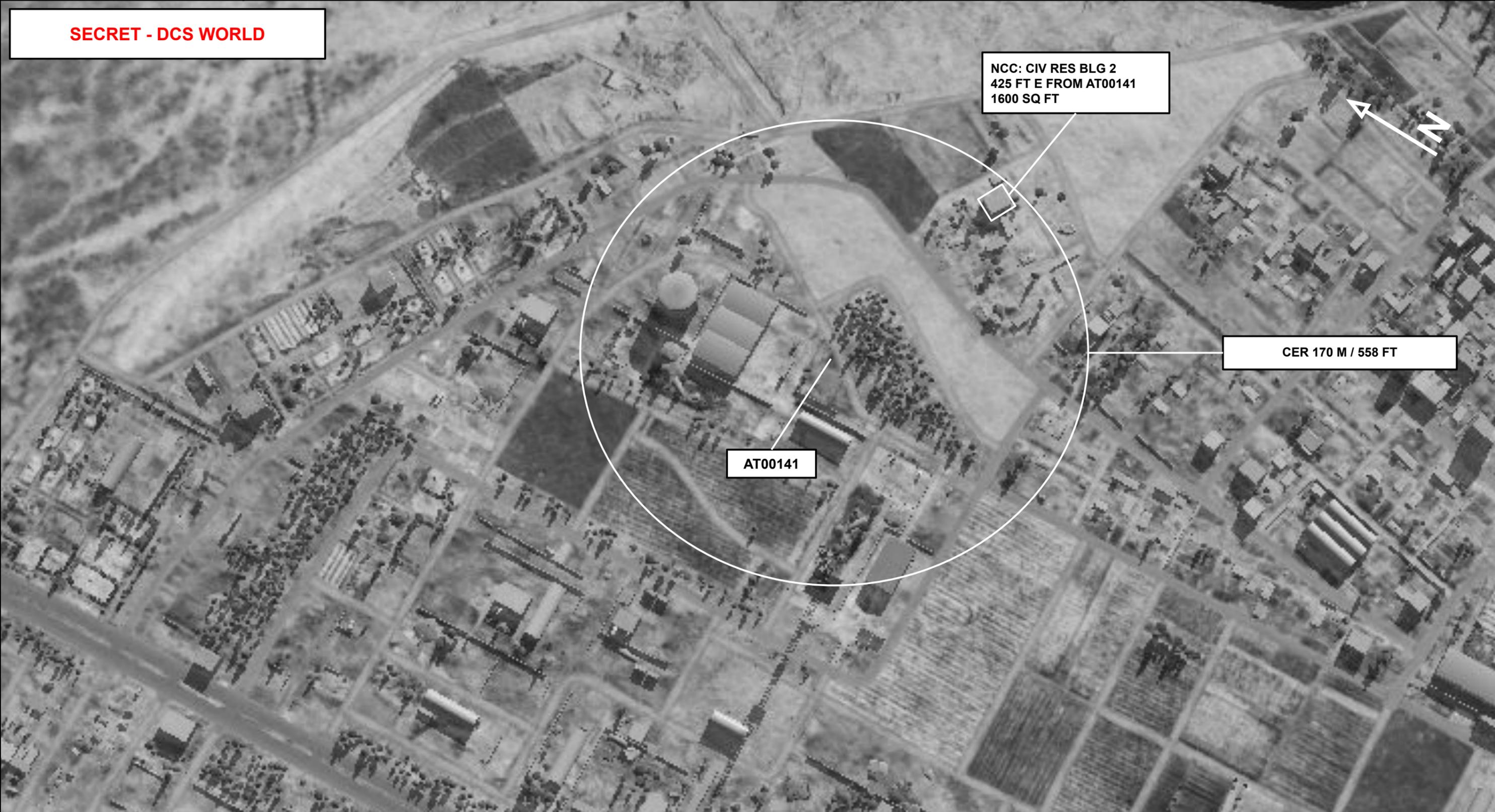
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**SECRET - DCS WORLD**



**SECRET - DCS WORLD  
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**NOT DUAL USE: CDE 3 LOW, PGM, UNITARY, FUZING**



**HERAT TALIBAN COMMUNICATION CENTER, AF  
COLLATERAL DAMAGES ESTIMATION 1/1**

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**COLLATERAL DAMAGES WITHIN A 500M RADIUS**

DESCRIPTION	CATCODE	MIDB GEOS	LOCATION	REMARKS
CIVILIAN RESIDENTIAL BUILDING 1	N/A	34 15.910 N 062 13.436 E	110°/590 FT FROM AT00111	INHABITED - EVIDENCE OF RECENT ACTIVITY
CIVILIAN RESIDENTIAL BUILDING 2	N/A	34 15.977 N 062 13.495 E	090°/425 FT FROM AT00141	INHABITED - EVIDENCE OF RECENT ACTIVITY

**NO STRIKE ENTITIES WITHIN A 500M RADIUS**

NSE ID	DESCRIPTION	CATCODE	MIDB GEOS	LOCATION	REMARKS
N/A	N/A	N/A	N/A	N/A	N/A

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# ACRONYMS

ACRONYM	MEANING	DEFINITION
<b>BE</b>	<b>Basic Encyclopedia Number</b>	Alpha/numeric code unique to an installation for incorporation within various national and tactical systems.
<b>CATCODE</b>	<b>Category Code</b>	The data Element that classifies the function and purpose of an installation or a facility.
<b>MIDB</b>	<b>Modernized Integrated Database</b>	A database comprised of information on facilities of military significance, military forces, and related equipment.
<b>ICOD</b>	<b>Intelligence Cutoff Date</b>	The date of the latest intelligence data inputted to a feature.
<b>DOI</b>	<b>Date of Image</b>	Date on which a geospatial or intelligence-related image was captured.
<b>CE</b>	<b>Critical Element</b>	An element of an entity or object that enables it to perform its primary function.
<b>PV CHAR</b>	<b>Physical Vulnerability Characteristic</b>	Standardized alphanumeric code describing the physical and structural properties of a target.
<b>JDPI</b>	<b>Joint Desired Point of Impact</b>	A unique, alphanumeric coded aimpoint identified by a three dimensional mensurated point. It represents a weapon or capability desired point of impact or penetration.
<b>CE90</b>	<b>Circular Error at 90%</b>	90 percent confidence level in the horizontal plane.
<b>LE90</b>	<b>Linear Error at 90%</b>	90 percent confidence level in the vertical dimension
<b>MSL</b>	<b>Mean Sea Level</b>	Elevation above Earth reference geoid.
<b>AGL</b>	<b>Above Ground Level</b>	Elevation above ground surface.
<b>NCC</b>	<b>Nearest Collateral Concern</b>	Closest non-targeted structure, area, or entity near a planned point of impact that may be at risk of unintended damage during a military strike.
<b>CER</b>	<b>Collateral effects radius</b>	Radius within which collateral damage might happen based on the weapon's characteristics, the target environment, and other operational factors.
<b>CDE</b>	<b>Collateral damage estimate</b>	Systematic process used in military targeting to evaluate the potential for unintended damage or harm to non-combatant entities, structures, or personnel as a result of a planned strike.
<b>PGM</b>	<b>Precision guided munition</b>	Advanced weapon designed to accurately hit specific target using various guidance systems (GPS, LASER, IR, etc...) to adjust their trajectory mid-flight.



# MILITARY KILL EFFECTS

Definition: destructive effects available upon detonation of a weapon.

KILL EFFECT	DEFINITION
<b>BLAST</b>	The high-pressure shockwave created by an explosion, traveling outward from the detonation point. Blast effects cause destruction by overpressure (compression force) and dynamic pressure (wind generated by the expanding gases), which can demolish structures, damage equipment, and injure personnel.
<b>FRAGMENTATION</b>	The dispersal of shrapnel or debris from an exploding munition. Fragments are propelled outward at high velocity, targeting personnel, equipment, and light structures in the area of effect.
<b>PENETRATION</b>	The effect of a munition or projectile piercing a target's surface without fully passing through it. Penetration is often used to defeat hardened targets, such as bunkers, by transferring energy into the target's structural layers.
<b>INCENDIARY</b>	The combustion of materials caused by incendiary munitions, secondary explosions, or the heat from a blast. Fire destroys flammable materials and can cause secondary damage to structures and equipment, as well as injuries to personnel.
<b>CRATERING</b>	The formation of a crater in the ground caused by the impact or detonation of a munition. Cratering disrupts mobility and operations, damaging roads, runways, or creating obstacles in the battlefield.
<b>PERFORATION</b>	The complete passage of a munition or projectile through a target, creating both an entry and exit point. Perforation may reduce the energy transfer to the target, making it less effective for destroying heavily armored or reinforced structures.
<b>EARTH SHOCK</b>	The seismic-like vibrations transmitted through the ground from an explosion. Earth shock can damage underground structures, destabilize foundations, or incapacitate personnel in subterranean environments.
<b>NUCLEAR RADIATION</b>	The release of ionizing radiation (alpha, beta, gamma, and neutron particles) from a nuclear explosion. Nuclear radiation can cause immediate biological damage, long-term health effects, and contamination of the environment.
<b>THERMAL RADIATION</b>	The intense heat and light energy emitted by an explosion, especially in nuclear detonations. Thermal radiation causes burns, ignites materials, and can create secondary fires in the target area.