

HERO/HERP/HERF CERTIFICATION FOR INSTALLING SILVUS TECHNOLOGIES  
STREAMCASTER 4200 TACTICAL MIMO RADIO COMMUNICATIONS, AND  
ECHODYNE MESA-SSR RADAR SYSTEMS AT BUILDING 2690 LATTICE TOWER,  
MCB QUANTICO, VA (B52/7571)

February 2020

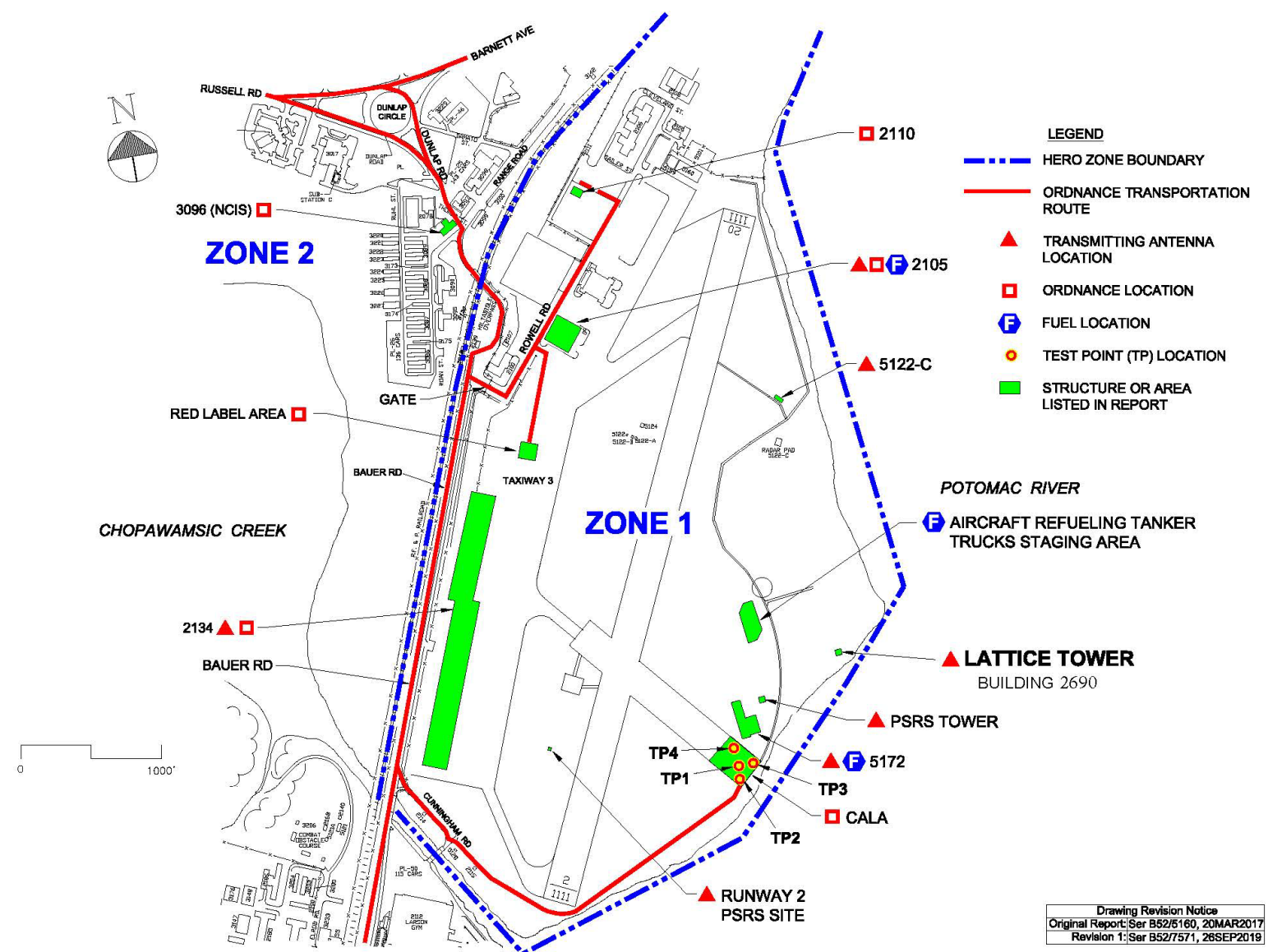
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ANTENNA LOCATION, NEAREST ORDNANCE OPERATION AREA, AND  
UPDATED DRAWING

## ANTENNA LOCATION AND NEAREST ORDNANCE OPERATION AREA

Building Number and Building Name	Latitude	Longitude	Antenna Height Above Ground (feet)	HERO Zone of Antenna	Nearest Ordnance Operation Area	HERO Zone of Ordnance Operation Area	Distance to Nearest Ordnance Operation Area (feet/meters)
2690 (LATTICE TOWER)	38.502310	-77.301154	10.5	1	RED LABEL AREA	1	761/232



**MCB/MCAF QUANTICO AIRFIELD, HERO ZONE 1: TRANSMITTING ANTENNA, ORDNANCE, FUEL, AND TEST POINT (TP) LOCATIONS, AND ORDNANCE TRANSPORTATION ROUTE**

Drawing Revision Notice  
 Original Report: Ser B52/5160, 20MAR2017  
 Revision 1: Ser B52/7571, 26SEP2019

SYSTEM SPECIFICATIONS AND HAZARDS OF ELECTROMAGNETIC RADIATION TO  
ORDNANCE SAFE SEPARATION DISTANCES

## SYSTEM SPECIFICATIONS AND HERO SAFE SEPARATION DISTANCES

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Avg. Power (watts)	Transmitter Type	Separation Distances	
							HERO UNSAFE ORDNANCE (feet/meters)	HERO SUSCEPTIBLE ORDNANCE (feet/meters)
BUILDING 2690 (LATTICE TOWER)	ECHODYNE MESA-SSR	PHASED ARRAY	23.0	24450-24650	2.0	ECHODYNE MESA-SSR SECURITY AND SURVEILLANCE RADAR	10/3	10/3
BUILDING 2690 (LATTICE TOWER)	SILVUS TECHNOLOGIES AOV4S235 ANTENNA	OMNIDIRECTIONAL DIPOLE	4.0	2200-2500	4.0	SILVUS TECHNOLOGIES STREAMCASTER 4200 TACTICAL MIMO RADIO	10/3	10/3

SYSTEM SPECIFICATIONS AND HAZARDS OF ELECTROMAGNETIC RADIATION TO  
PERSONNEL AND FUEL SAFE SEPARATION DISTANCES

## SYSTEM SPECIFICATIONS AND HERP/HERF SAFE SEPARATION DISTANCES

Antenna Location	Antenna Nomenclature	Antenna Type	Antenna Gain (dBi)	Transmitter Frequency (MHz)	Transmitter Max. Avg. Power (watts)	Transmitter Type	Separation Distances		
							Controlled HERP (feet/meters)	HERF (feet/meters)	Control Measures
BUILDING 2690 (LATTICE TOWER)	ECHODYNE MESA-SSR	PHASED ARRAY	23.0	24450-24650	2.0	ECHODYNE MESA-SSR SECURITY AND SURVEILLANCE RADAR	0/0	10/3	NONE
BUILDING 2690 (LATTICE TOWER)	SILVUS TECHNOLOGIES AOV4S235 ANTENNA	OMNIDIRECTIONAL DIPOLE	4.0	2200-2500	4.0	SILVUS TECHNOLOGIES STREAMCASTER 4200 TACTICAL MIMO RADIO	0/0	10/3	NONE