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r. emiro. Giunta - Prot. 26/09/2022.0953855.F

Road Survey

San Benedetto Val Di Sambro (BO)

MO 117/21 rev0



1) Specs Description

Project:	San Benedetto Val Di Sambro - WTG01
State:	Italy
Locacion:	San Benedetto Val Di Sambro (BO)
Scope:	Logistics and Trasport
Transport:	Transport Wind Components
Place of unloading:	San Benedetto Val Di Sambro - 44°13'12.95"N - 11°15'45.55"E

2) Preamble

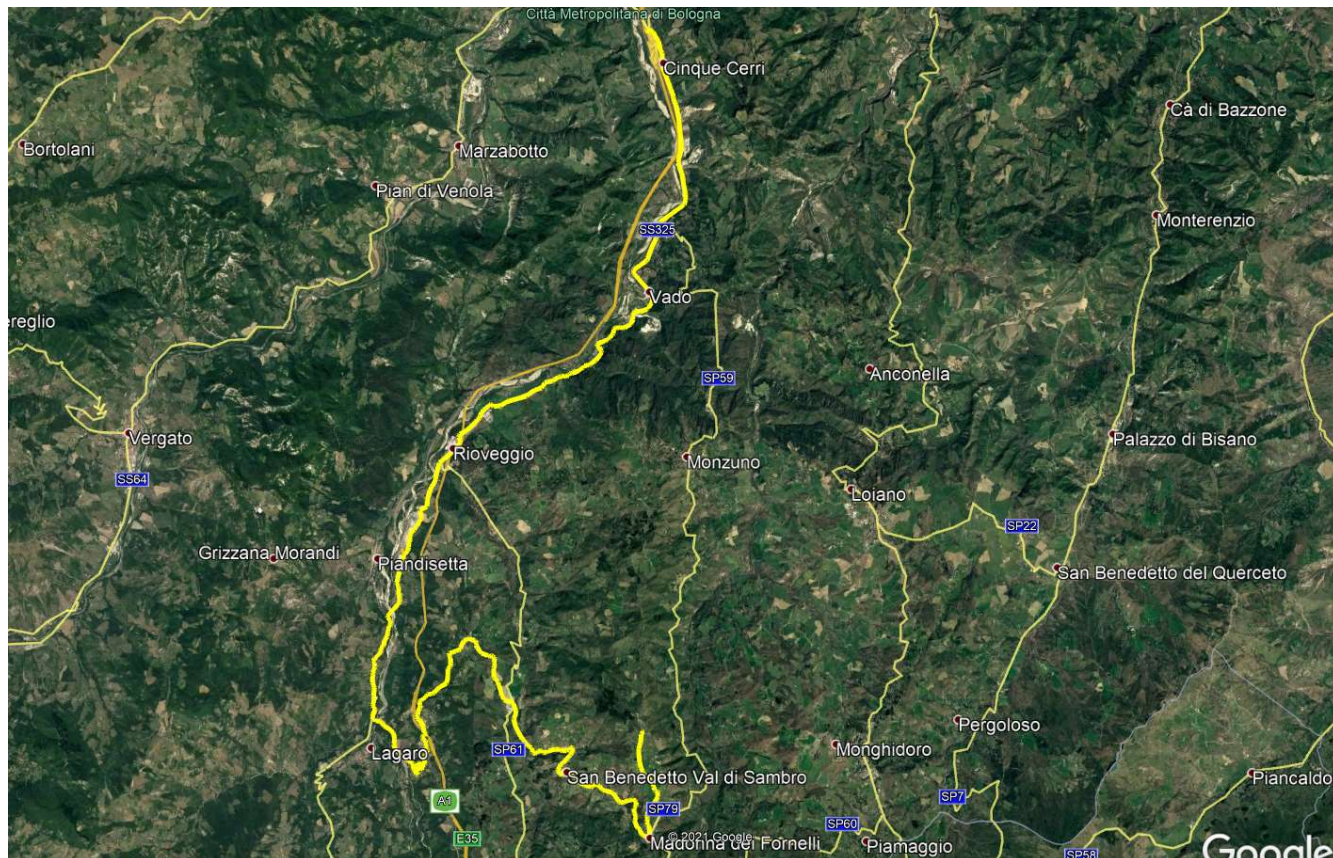
The project of this transport feasibility draft, is the establishment of a wind power plant in the territory of San Benedetto Val Di Sambro (BO). The road survey was conducted on 03 th June 2021 by Mr. Riccardo Di Palma (La Molisana Trasporti), in order to verify the transport possibilities of WTG DW61, 499KW 69HH.

PACKING LIST DW61 - 69 HH				
TOWER SECTION	Ø MAX. (mm)	Ø MIN. (mm)	LENGTH (m)	WEIGHT (t)
BOTTOM	3960	3140	18,38	26,4
MIDDLE 1	3140	2530	23,05	20,4 T.
TOP	2530	1920	23,23	15,8 T.
COMPONENT	LENGTH (m)	WIDTH (m)	HEIGHT (m)	WEIGHT (t)
BLADE	29,20	1,35/2,55	2,90	2,70
GENERATOR	5,70	5,70	2,80	32,00
HUB	2,95	2,53	2,35	10,00
NACELLE	5,20	2,60	2,25	11,00

3) External Route

The load place has not been defined yet.

So, you should take into consideration the last part of the route from the highway exit A1 Sasso Marconi the wind farm.



Highway Exit A1 Sasso Marconi

S.P. 325

S.P. 325 (Via Bellaria)

S.P. 60

S.P. 60 (Via Vittime Rapido 904)

Via Provinciale Monteacuto Vallese

Via Guglielmo Marconi

Via Bologna (Madonna Dei Fornelli)

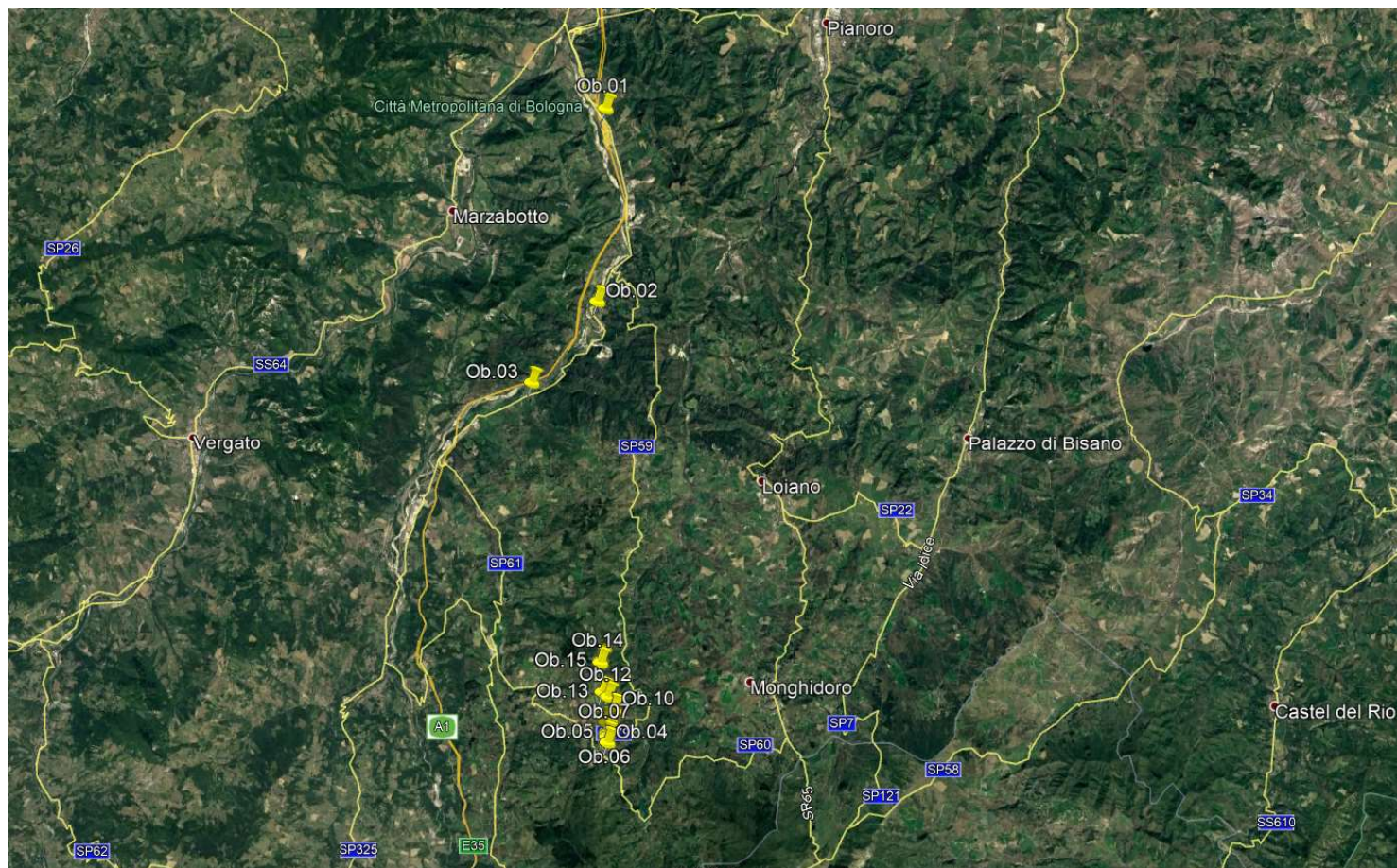
S.P.79

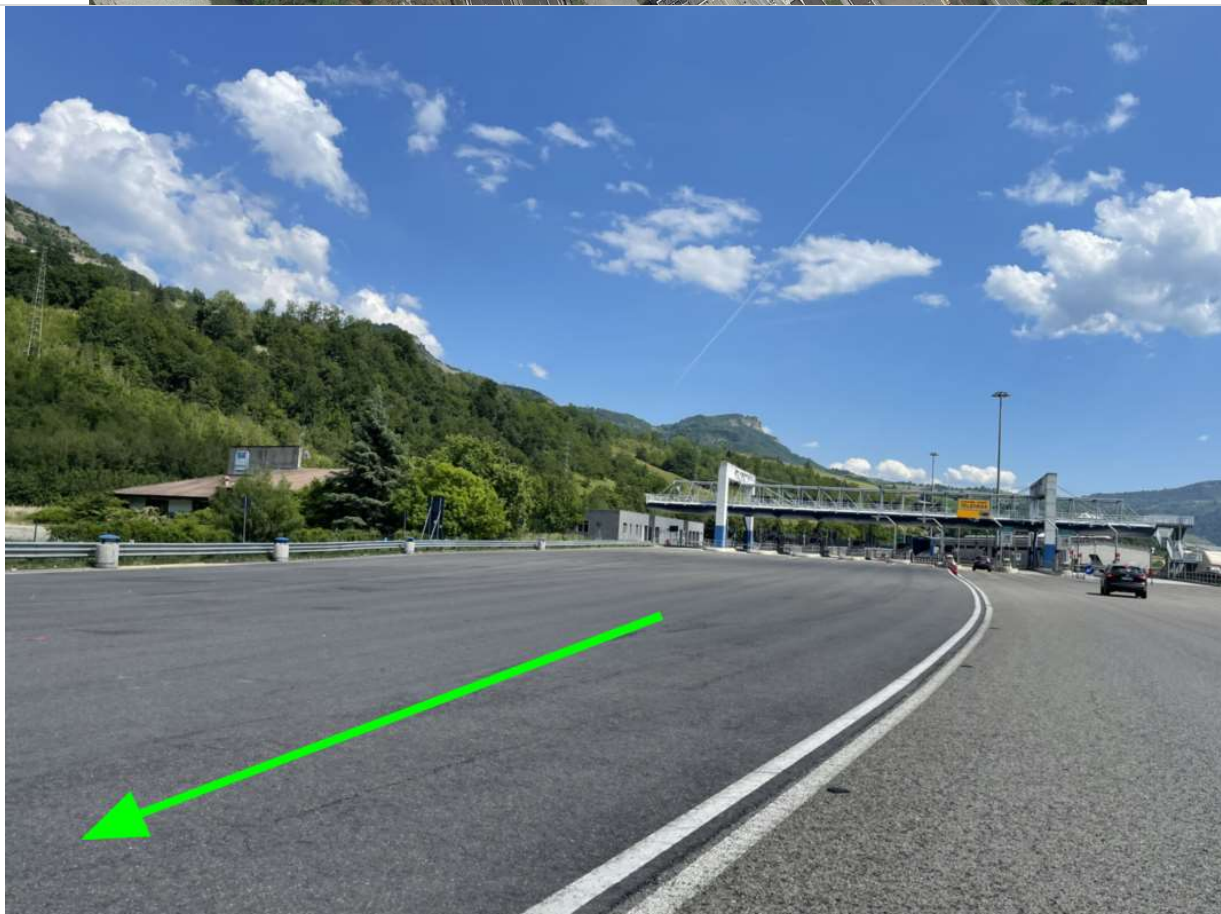
Via Romana Antica

Via Delle Croci

Site Access

4) Observations and required road modifications





Ob.01

Coord. 44°21'55.35"N - 11°15'33.91"E

Sasso Marconi A1 motorway exit.

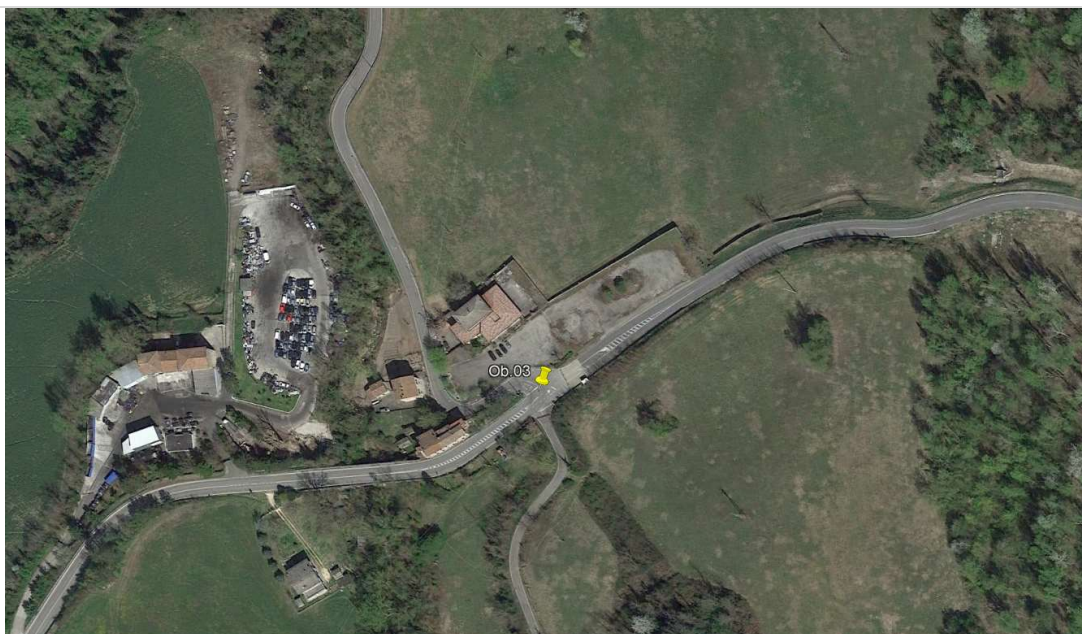


Ob.02

Coord. 44°18'55.20"N - 11°15'23.26"E

At the moment there is a detour for work in progress.

The wind components must necessarily pass through the section currently closed to transit.

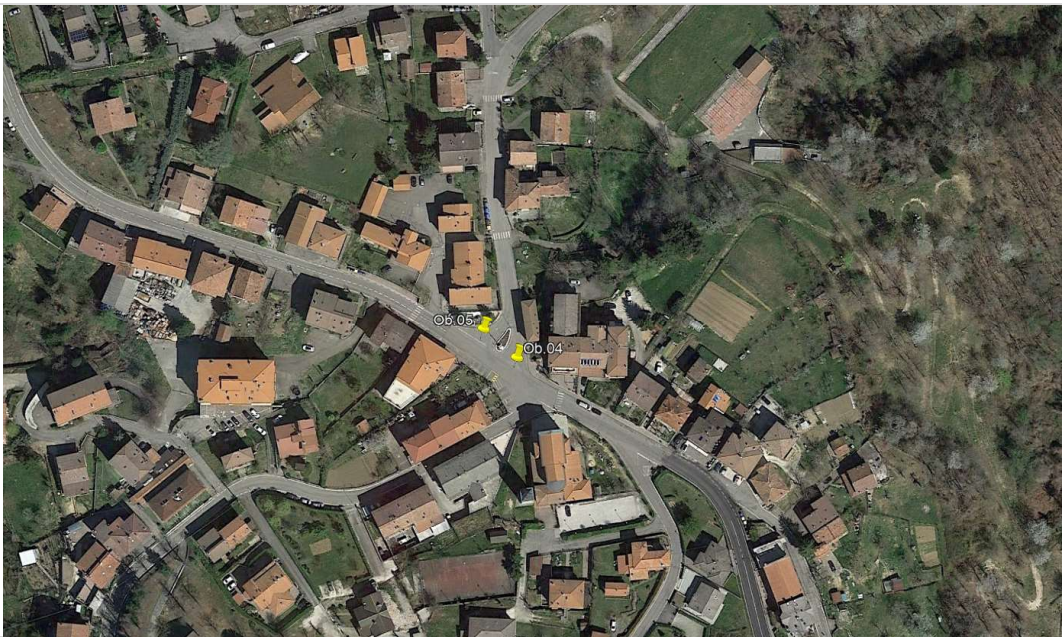


Ob.03

Coord. 44°17'39.58"N - 11°13'57.59"E

End of the closed road.

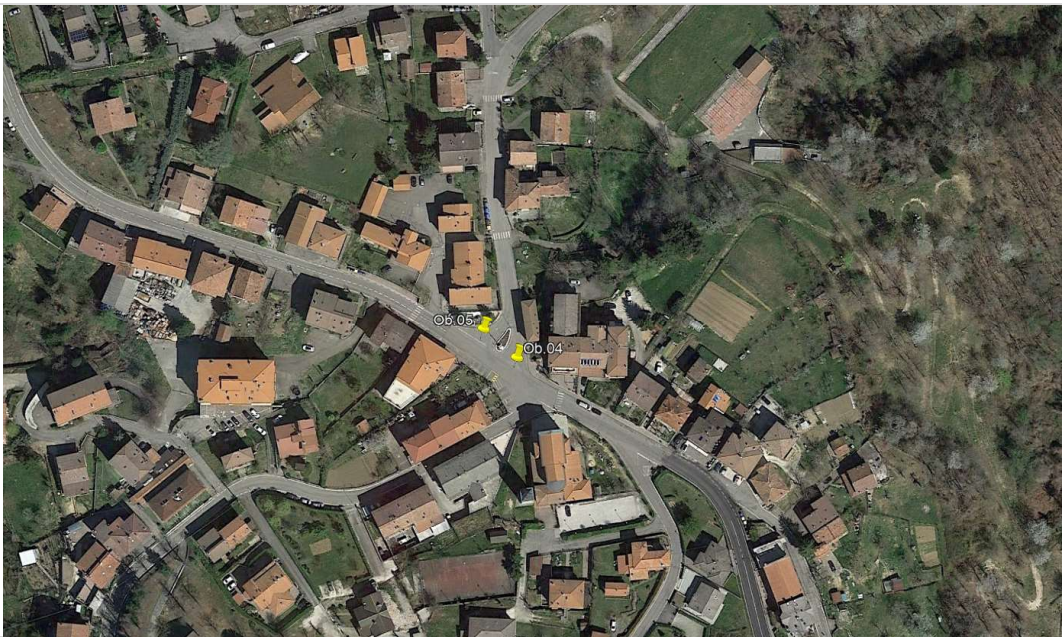
The wind components must necessarily pass through the section currently closed to transit.



Ob.04

Coord. 44°12'1.82"N - 11°15'36.41"E

On the area highlighted in red, prepare a parking ban.



Ob.05

Coord. 44° 12'2.19"N - 11°15'35.81"E

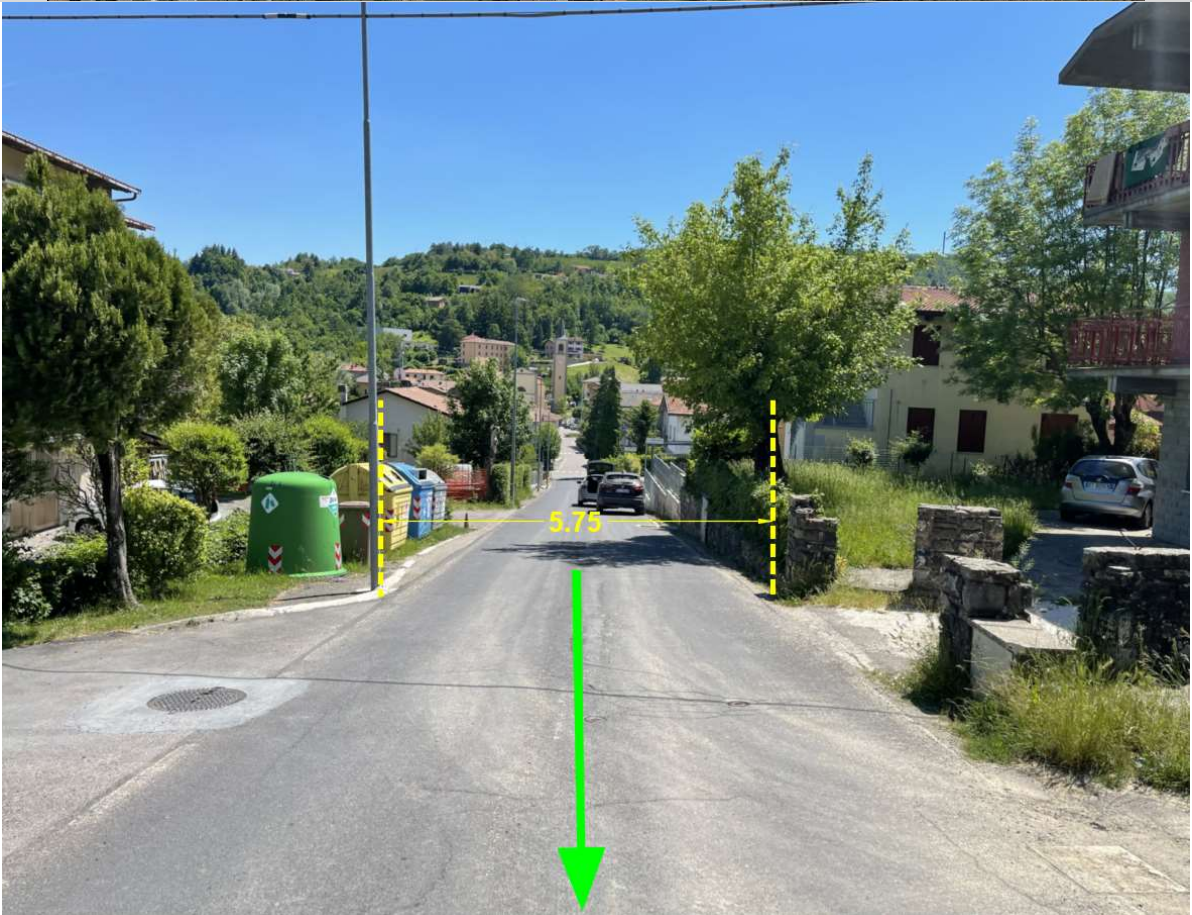
Remove road signs as shown in the picture.



Ob.06

Coord. 44° 12'7.42"N - 11° 15'35.84"E

Carry out the indicated maneuver.



Ob.07

Coord. 44° 12'9.98"N - 11° 15'35.70"E

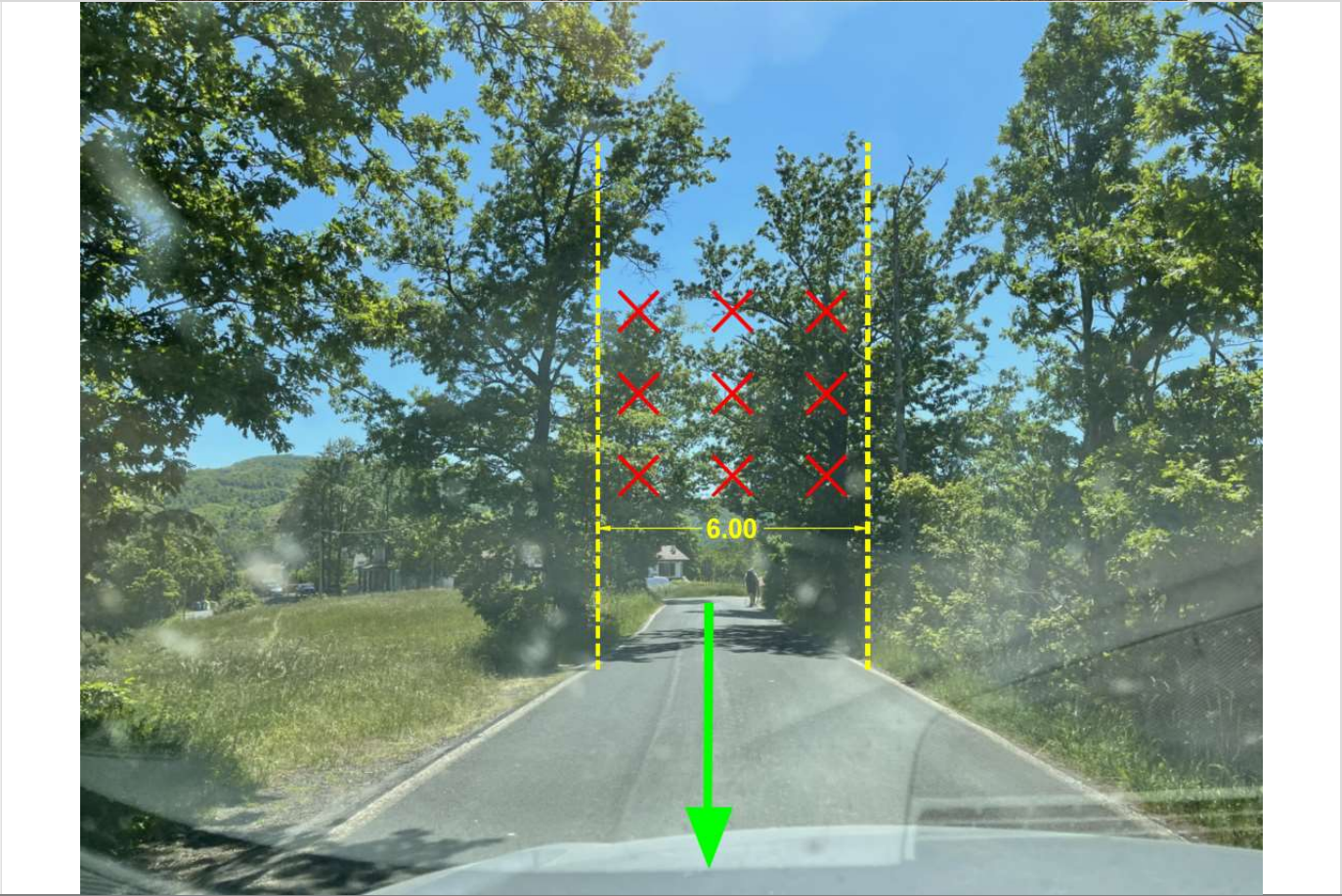
From the metal pole on the left to the wall on the right there are 575 cm.
Assistance is required during the transit of the generator.



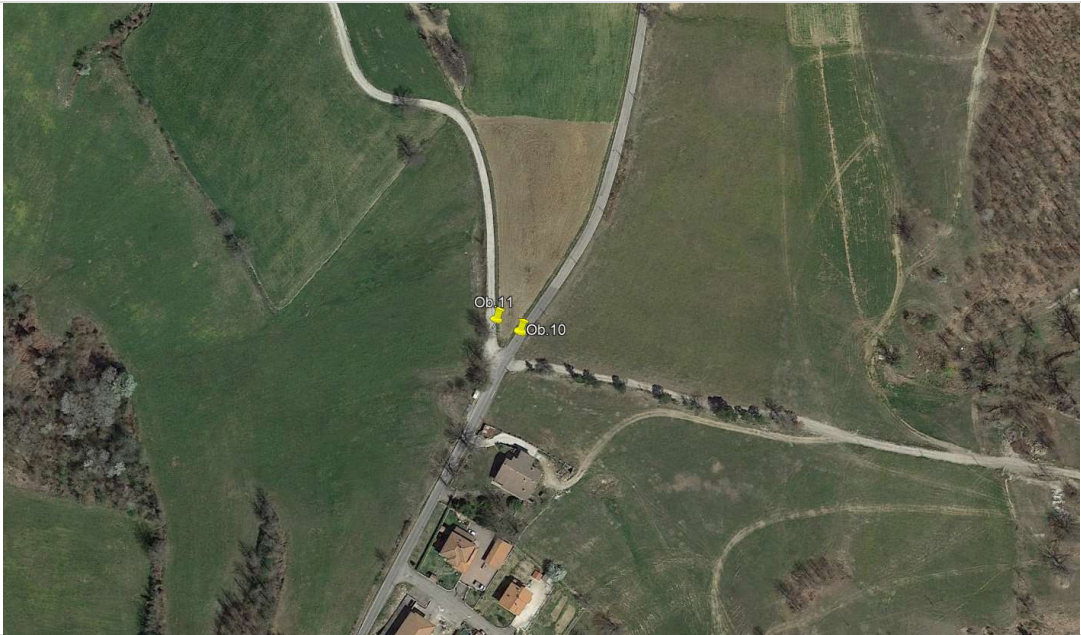
Ob.08

Coord. 44°12'10.76"N - 11°15'35.63"E

In this stretch, assistance is required during the transit of the generator.



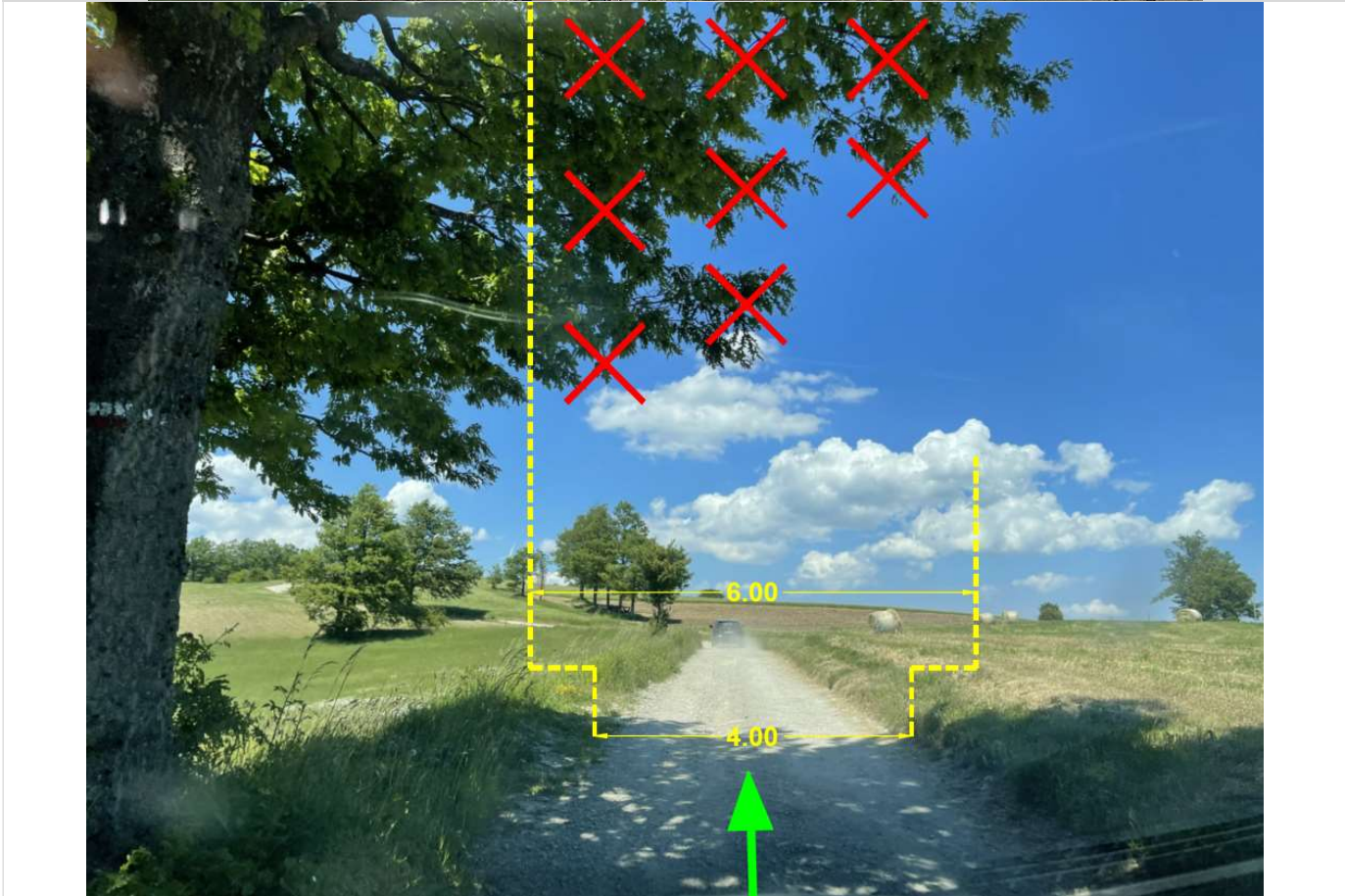
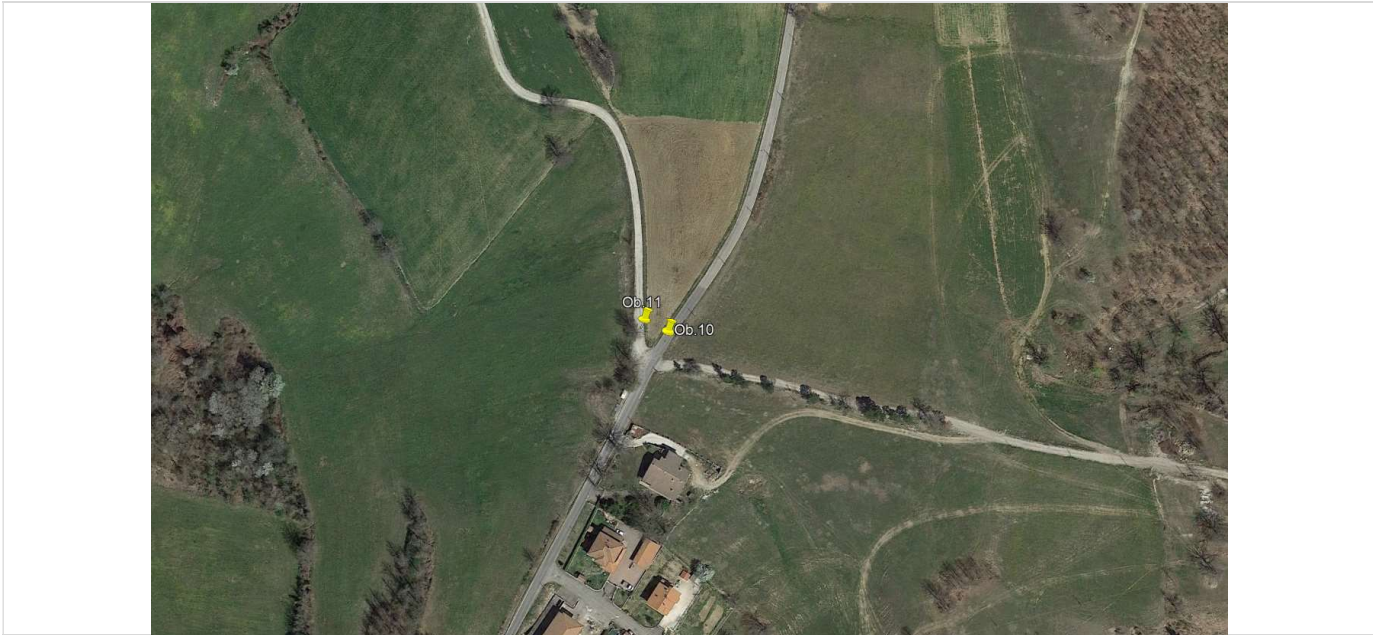
Ob.09
Coord. 44°12'20.71"N - 11°15'34.32"E
From this point, It will be necessary to have an aerial space of 6 meters up to the site arrival without obstacles (trees, limbs, cables), with a carriageway width of 4,00 meters, made according to EWT specifications. Cut the protruding vegetation on the roadway.



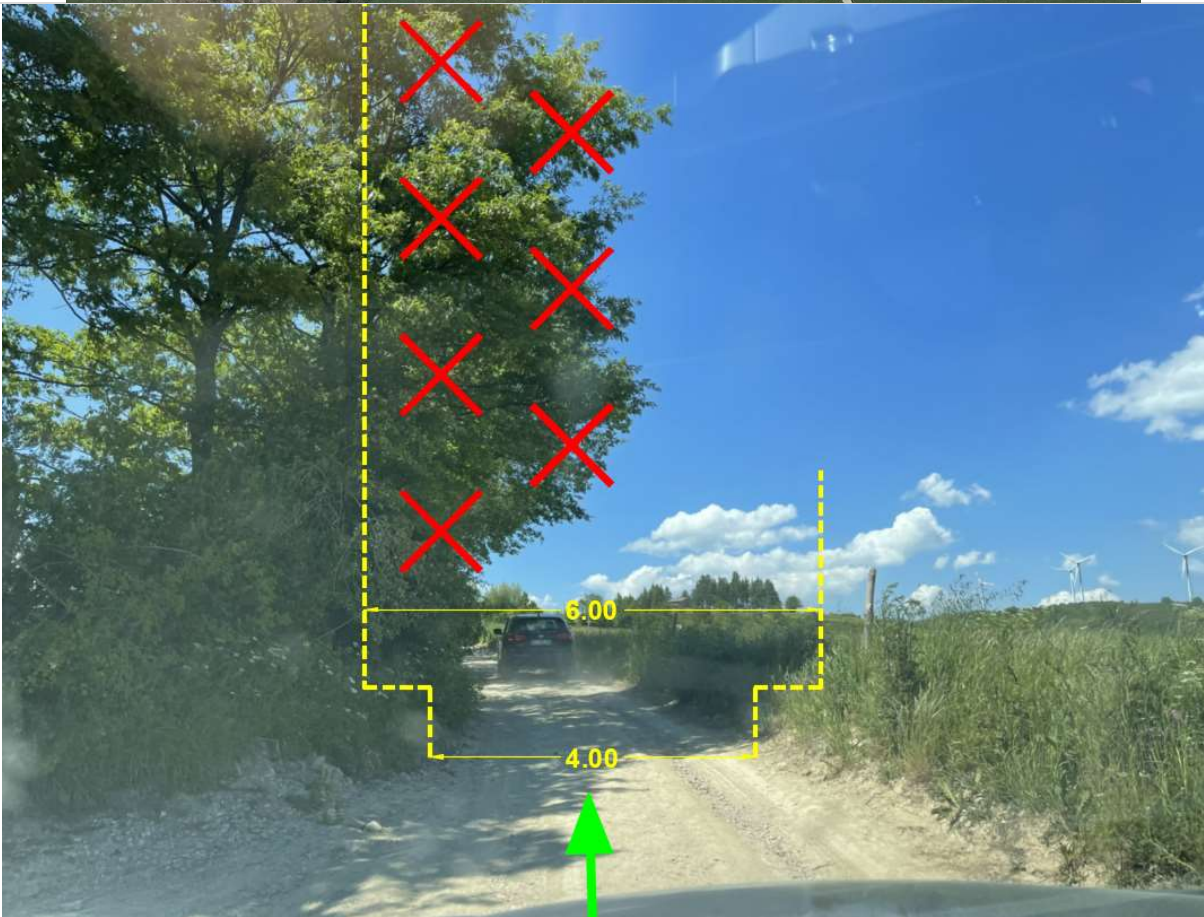
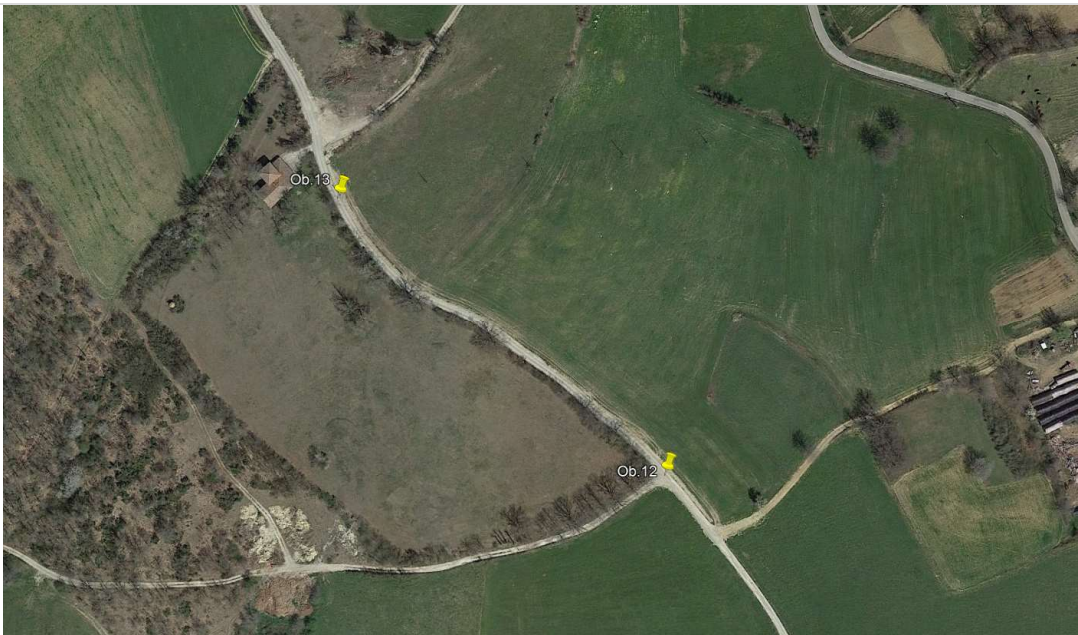
Ob.10

Coord. 44°12'33.00"N - 11°15'44.87"E

Make the left turn.



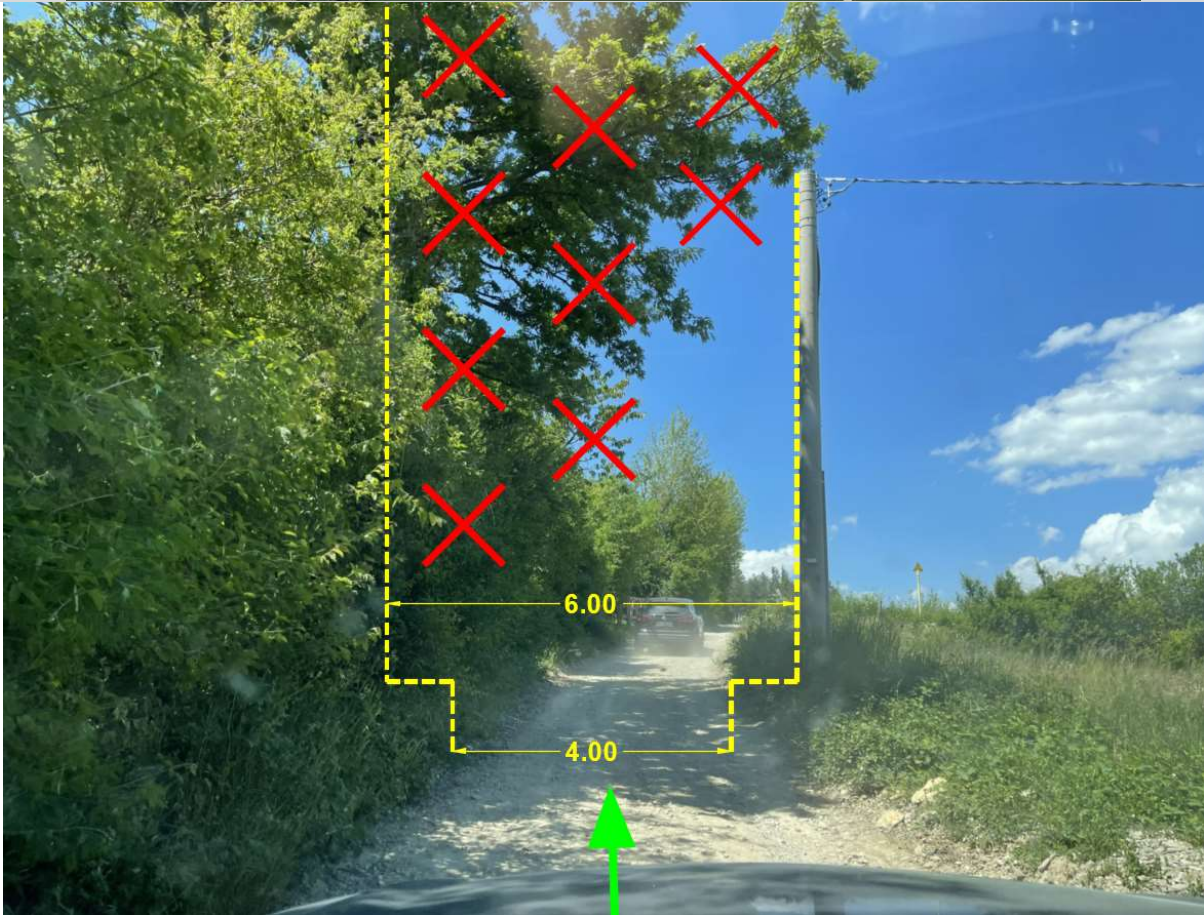
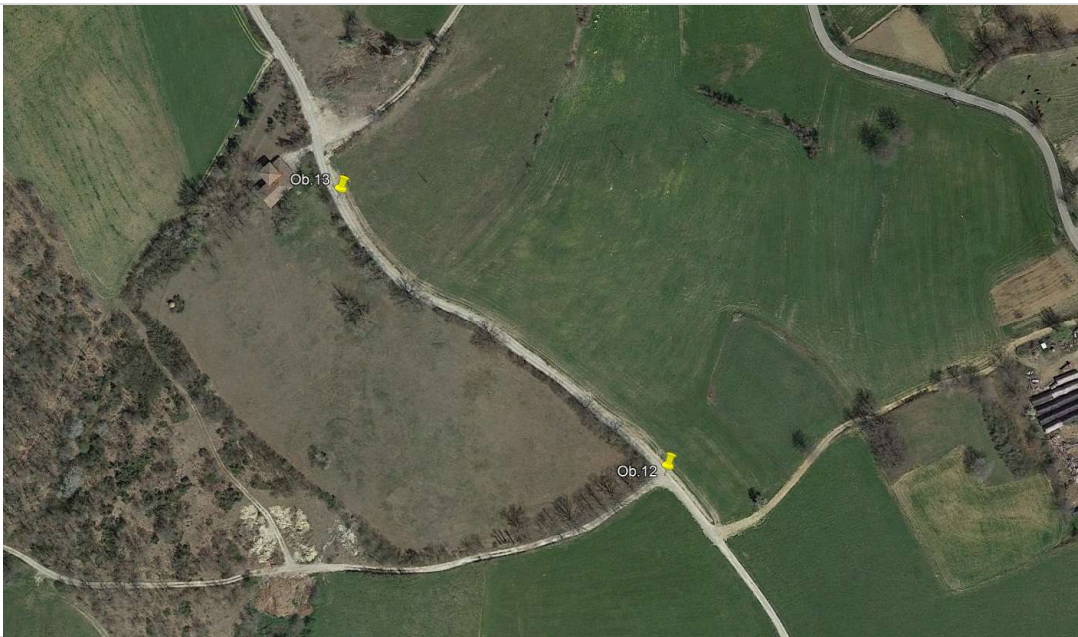
Ob.11
Coord. 44°12'33.20"N - 11°15'44.35"E
<p>It will be necessary to have an aerial space of 6 meters up to the site arrival without obstacles (trees, limbs, cables), with a carriageway width of 4,00 meters, made according to EWT specifications.</p> <p>Cut the protruding vegetation on the roadway.</p>



Ob.12

Coord. 44°12'44.72"N - 11°15'36.95"E

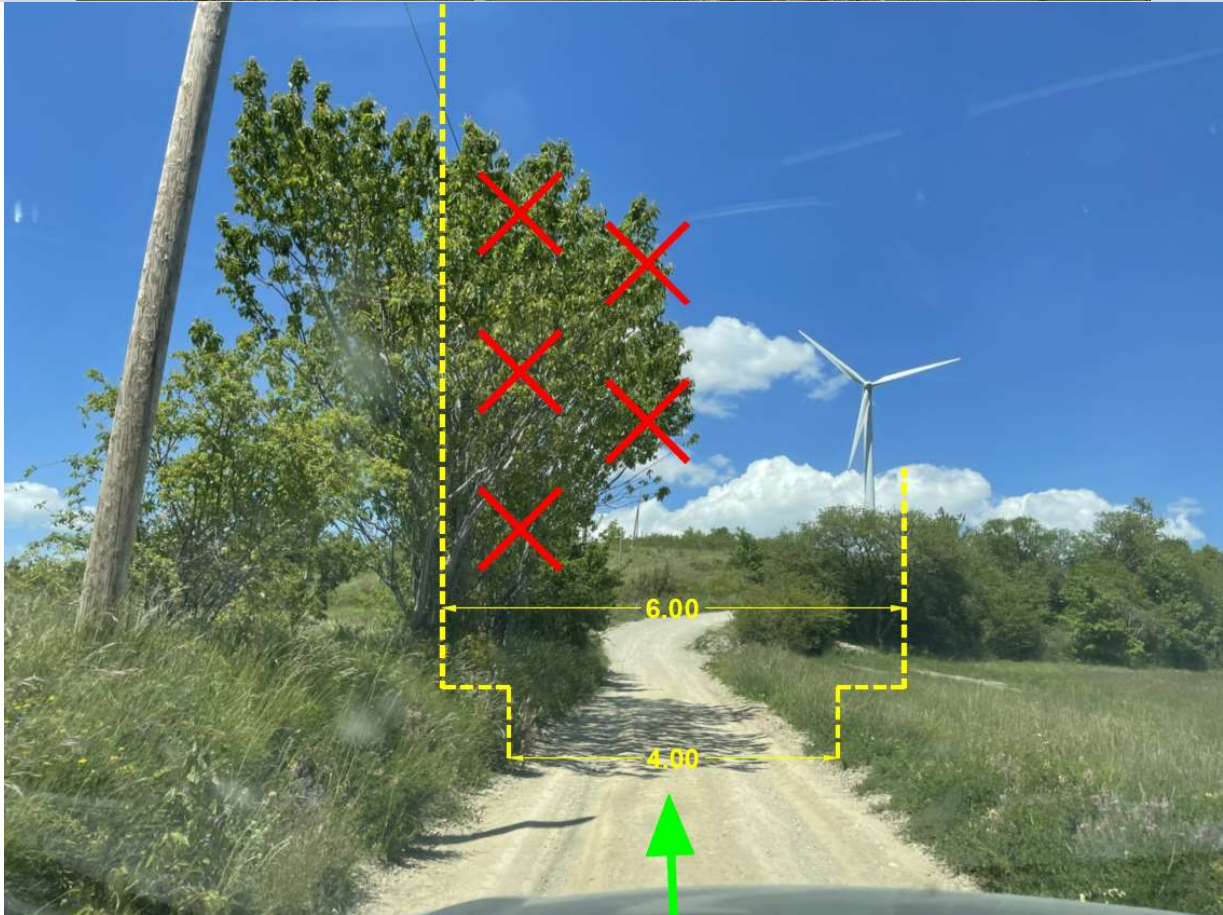
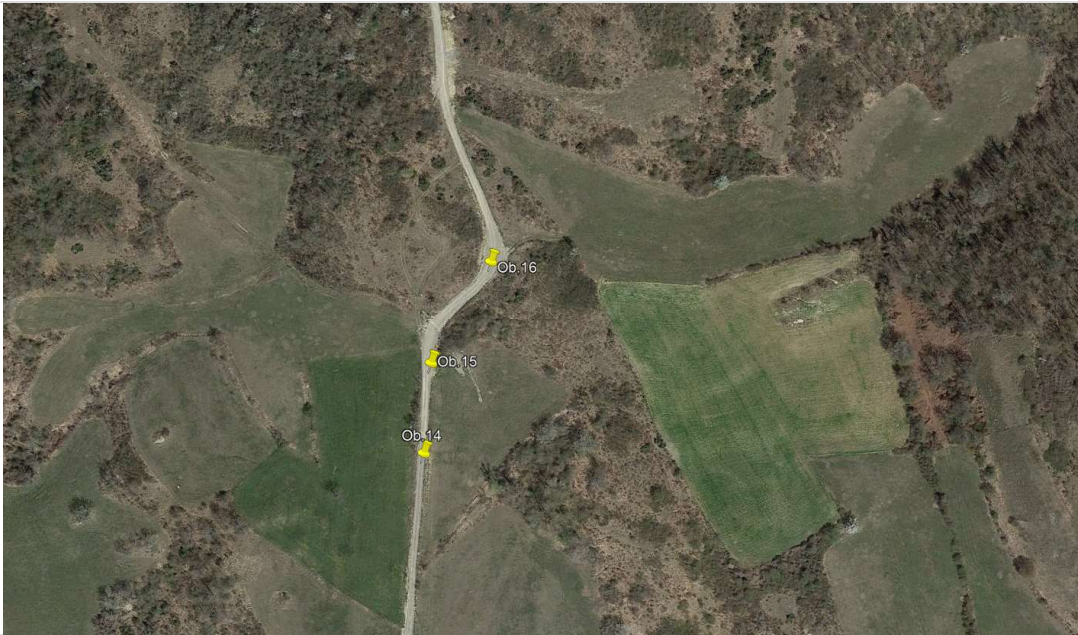
It will be necessary to have an aerial space of 6 meters up to the site arrival without obstacles (trees, limbs, cables), with a carriageway width of 4,00 meters, made according to EWT specifications.
Cut the protruding vegetation on the roadway.



Ob.13

Coord. 44°12'49.03"N - 11°15'29.85"E

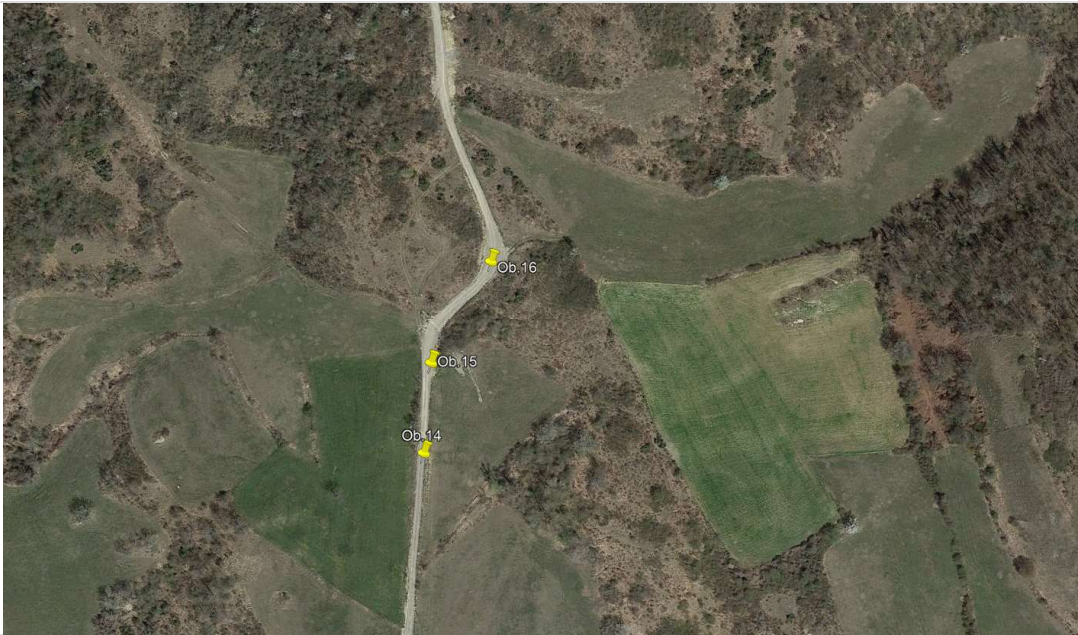
It will be necessary to have an aerial space of 6 meters up to the site arrival without obstacles (trees, limbs, cables), with a carriageway width of 4,00 meters, made according to EWT specifications.
Cut the protruding vegetation on the roadway.



Ob.14

Coord. 44°13'16.74"N - 11°15'27.34"E

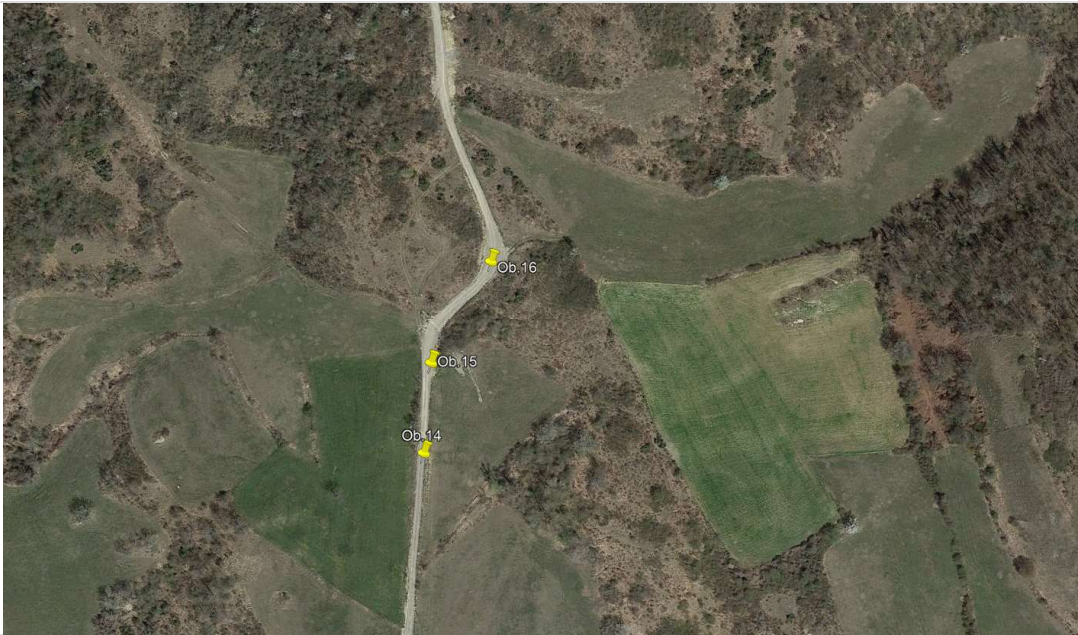
It will be necessary to have an aerial space of 6 meters up to the site arrival without obstacles (trees, limbs, cables), with a carriageway width of 4,00 meters, made according to EWT specifications.
Cut the protruding vegetation on the roadway.



Ob.15

Coord. 44°13'18.09"N - 11°15'27.49"E

From this point on, it necessary the towing vehicle.



Ob.16

Coord. 44°13'19.64"N - 11°15'28.74"E

Realization of the access to the emplacement; viability to be built as per EWT specifications.