

**Badia Tedalda Eolico Srl**

| Via Francesco Tamagno, 7 | 20124 Milano (MI) | P.IVA 12334000960 | PEC badiatedaldaeolicosrl@pec.it |

# Parco Eolico Poggio Tre Vescovi

Formato: A4

Scala: ---

Aprile 2023

Progettazione specialistica  
S.A.E. Srl

Sig. Cesare d'Onghia

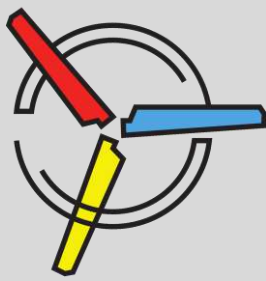
**PD.OCC.S.06.a**

Progetto parco eolico

*Trasporti*

**ROAD SURVEY**

Rev.	Data	Oggetto
a	05/04/2023	Prima emissione



# Parco eolico Poggio Tre Vescovi

## Proponente



**Badia Tedalda Eolico Srl**  
Via Francesco Tamagno, 7 - 20124 Milano (MI)

## Referente di progetto

Dott. Roberto Schirru

## Coordinamento tecnico



**ENVI area stp snc**  
Ing. Cristina Rabozzi  
Dott. Agr. Elena Lanzi  
Dott. Agr. Andrea Vatteroni

## Progettazione opere civili e cantierizzazione



**ENKI srl**  
Ing. Andrea Mazzetti

## Progettazione opere di utenza e di rete per la connessione CP "Badia Tedalda"

Ing. Michele Pigliaru

## Geologia e geotecnica



**Sinergia srls**  
Dott. Geol. Luca Gardone

## Aspetti trasportistici



**Siemens Gamesa S.A.**  
Ing. Alessandro Noro

## Topografia



**3D Metrica** – Ing. Paolo Corradeghini

## Anemometria



**Skywind GmbH**  
Ing. Sasha Claes

## Studio di impatto ambientale, studio di incidenza ambientale, aspetti socio-economici e antropici



**ENVI area stp snc**  
Ing. Cristina Rabozzi  
Dott. Agr. Elena Lanzi  
Dott. Agr. Andrea Vatteroni

## Paesaggio



**INLAND Landscape Architecture** – Arch. Andrea Meli

## Biodiversità, ecosistemi e reti ecologiche



Dott. For. Ilaria Scatarzi

Dott. Biol. Marco Lucchesi

Dott. Dino Scaravelli

**Consorzio Futuro in Ricerca**  
Dott. Lisa Brancaleoni  
(aspetti floristico-vegetazionali)  
(aspetti forestali, ecosistemi e reti ecologiche)  
(avifauna)  
(chiroterofauna)

## Archeologia



**Cooperativa archeologia s.c.**  
Dott. Andrea Biondi

## Acustica



**Tecnocreo srl**  
Ing. Matteo Bertoneri

## CEM e vibrazioni

Ing. Michele Pigliaru



*Road Survey*



*Poggio (FC)*

**ROAD SURVEY**

**Project: *Poggio (FC)***

**Poggio (FC)**

**SG155 – T102.5.51A**

Transport representative:

*Angelo QUARATO, S.A.E. S.r.l.*

*Mirko LAFRATTA, S.A.E. S.r.l.*

## Poggio (FC)

### 1. Summary

According to the Customer request, it has been analyzed a feasibility study for the transport of Wind components to Poggio (FC).

Road Survey date: 05/07/2022

Road Survey date: 11/01/2023

Customer Representative:

Transporter Representative: Angelo QUARATO S.A.E. S.r.l.  
Mirko LAFRATTA S.A.E. S.r.l.

### 2. Specs Description

Project	Poggio (FC)
Country	Italy
Location	Poggio (FC) – Emilia Romagna region
Scope	Planning Stage – Transport Logistic – Feasibility Study
Turbine	SG5X-155-T102.5.51A
Transport Mode	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Transshipment <input checked="" type="checkbox"/> Blade Lifter <input checked="" type="checkbox"/> Tower <input checked="" type="checkbox"/> Nacelle <input type="checkbox"/> SPMT
MW	6.6
Start From	Port of Ravenna (RA) – Emilia Romagna region

### 3. Weight and Dimensions

#### SG5X-155 – T102.5.51A Specifications

UNITS	CONTENTS	MATERIAL CODE	WEIGHT GROSS		METERS GROSS		
			GROSS WT. EACH (Tn)	TOTAL GROSS (Tn)	LENGTH (m)	WIDTH (m)	HEIGHT (m)
1	Tower Section 1	(mat. code)	82,280	82,280	13,180	4,370	4,360
1	Tower Section 2	(mat. code)	79,700	79,700	20,720	4,360	4,300
1	Tower Section 3	(mat. code)	81,070	81,070	29,960	4,300	4,300
1	Tower Section 4	(mat. code)	72,490	72,490	35,850	4,300	3,500
3	SG155 BLADE	(mat. code)	25,640	76,920	76,710	4,320	3,030
1	NACELLE GLOBAL	(mat. code)	80,030	80,030	15,160	4,210	3,640
1	DRIVE TRAIN	(mat. code)	84,680	84,680	7,450	3,130	3,220
1	HUB	(mat. code)	54,960	54,960	4,770	4,500	4,110

## 4. Preamble

SAE has been appointed to conduct a feasibility study for a project of Siemens Gamesa located near Poggio (FC) in Emilia Romagna Region - Italy. The study has been commissioned in order to define the feasibility to deliver wind turbine components to ***Poggio Tre Vescovi Wind farm***, that consists of SG5X-155-T102.5.51A.

The study that follows has been conducted on the basis of the packing list that Siemens Gamesa has provided to SAE on December 2022 and the site visit was done on 11 January 2023 – week 2.

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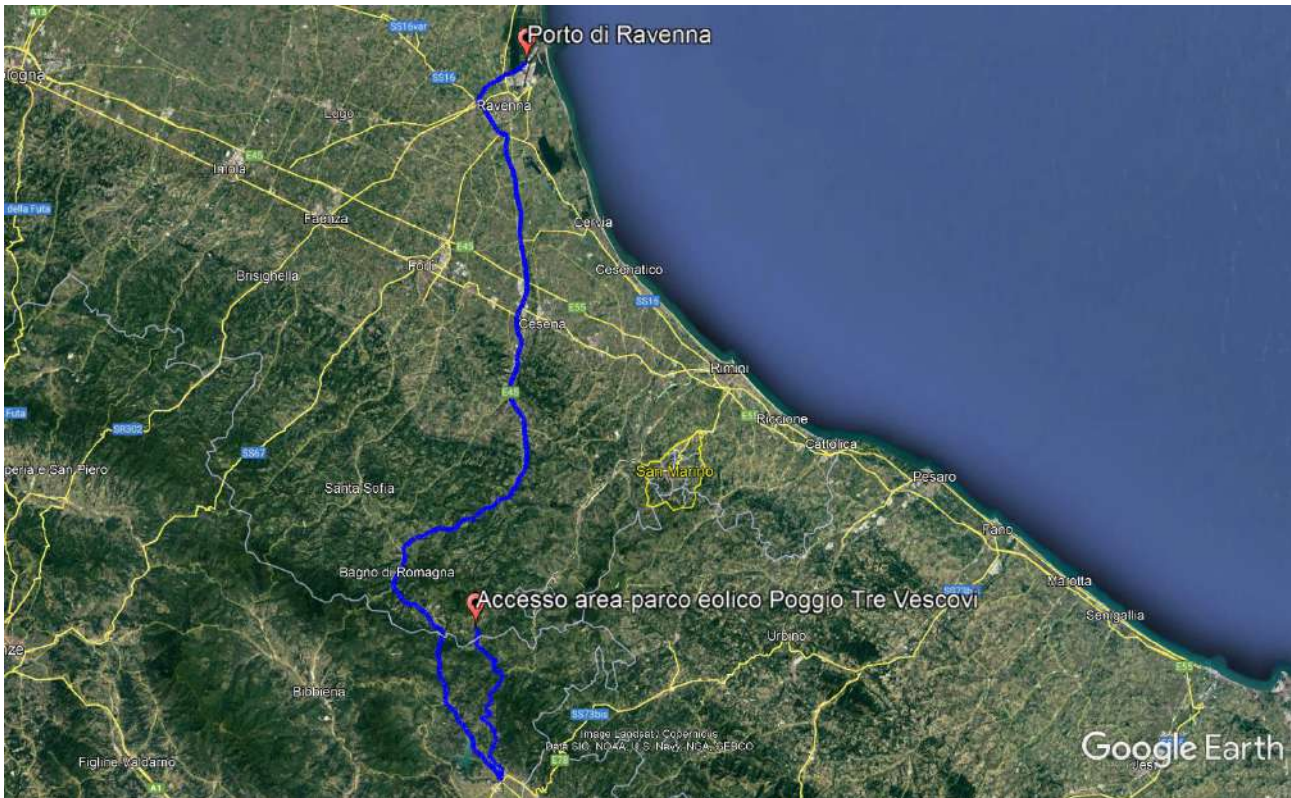
## **6. Executive Summary**

Following the visit carried out on 11<sup>th</sup> of January 2023 from Port of Ravenna to the site access, assumed all modifications described in this report, SAE found the possibility to do transportation of all components to *POGGIO (FC)*.



### 7. General Route Description:

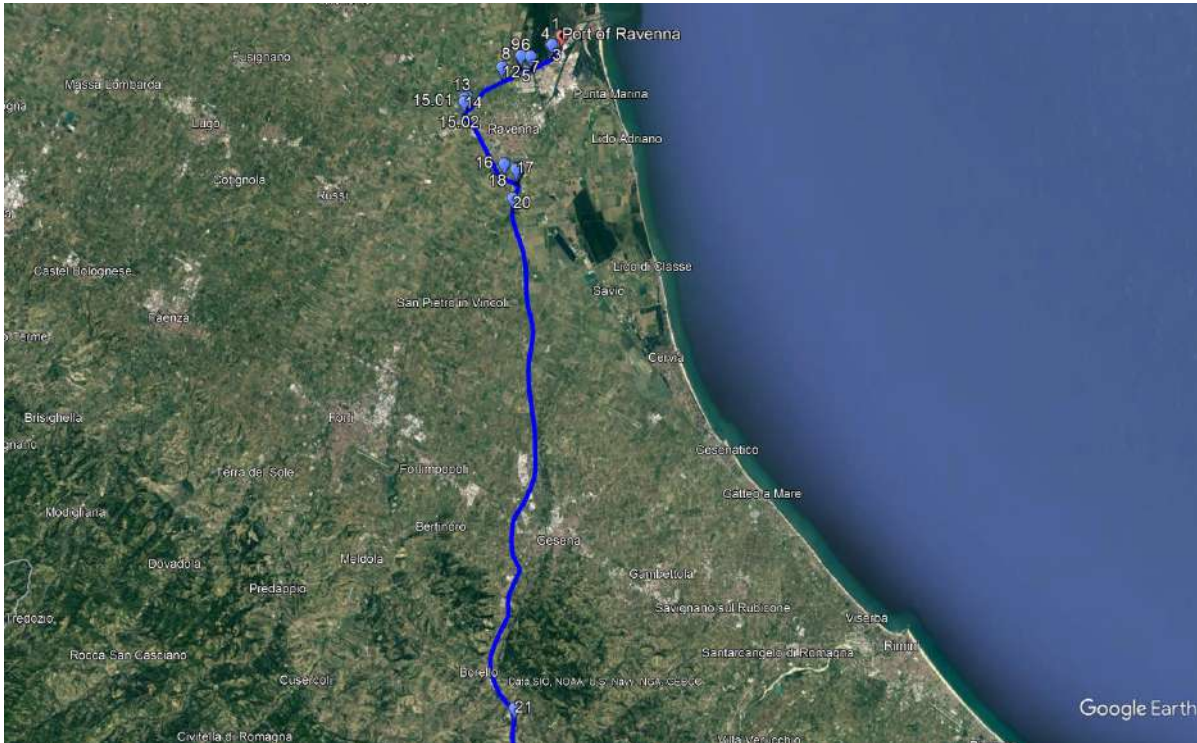
#### 7.1 Route description from Port of Ravenna



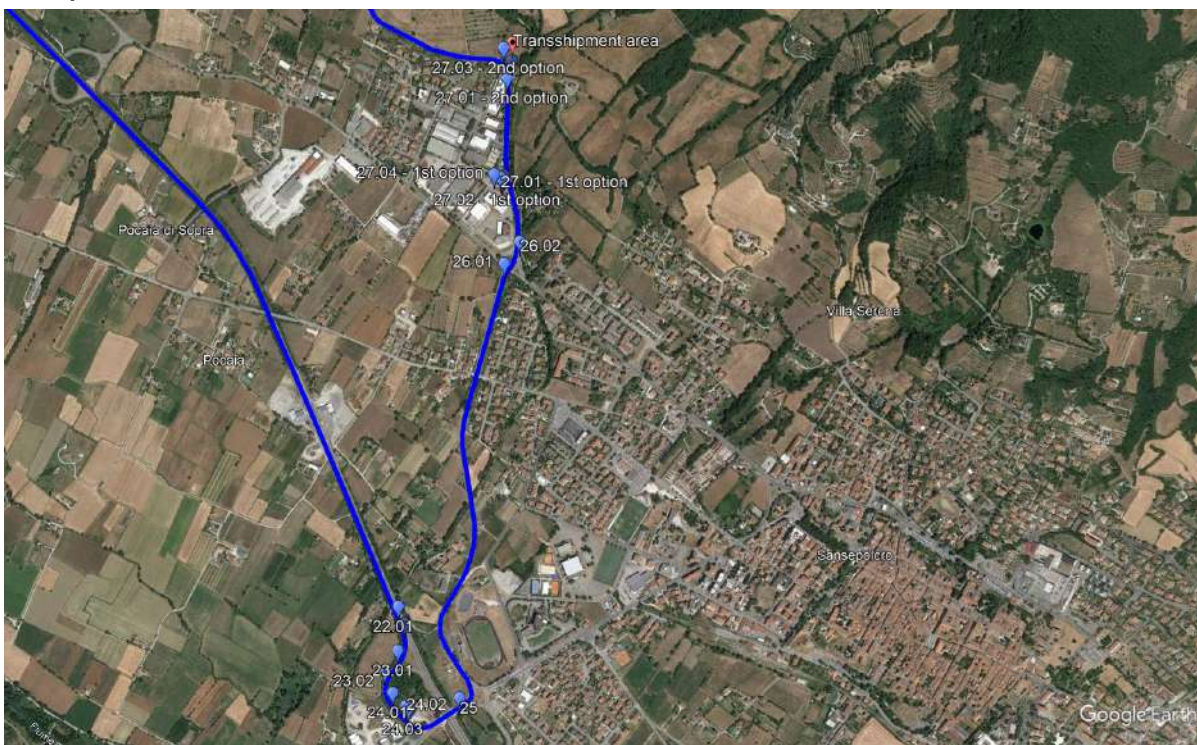
- **Port of Ravenna (RA)**
- **Via Baiona:** from Port of Ravenna to Via Canale Magni;
- **Via Canale Magni:** from Via Baiona to SS 309 Romea;
- **SS 309 Romea:** from via Canale Magni to SS 16 Adriatica;
- **SS 16 Adriatica:** from SS 309 Romea to SS 3 bis;
- **SS 3 bis:** from SS 16 Adriatica to SS 73;
- **SS 73:** from SS 3 bis to Via Sandro Pertini;
- **Via Sandro Pertini:** from SS 73 to SP 258;
- **SS 258:** from Via Sandro Pertini to Via Alto Marecchia;
- **Via Alto Marecchia:** from SS258 to Via Pratieghi;
- **Via Pratieghi:** from Via Alto Marecchia to SP 67;
- **SP 67:** from Via Pratieghi to site access.

## 8. Map of observations

### Map of Observations from Obs. 1 to Obs. 21

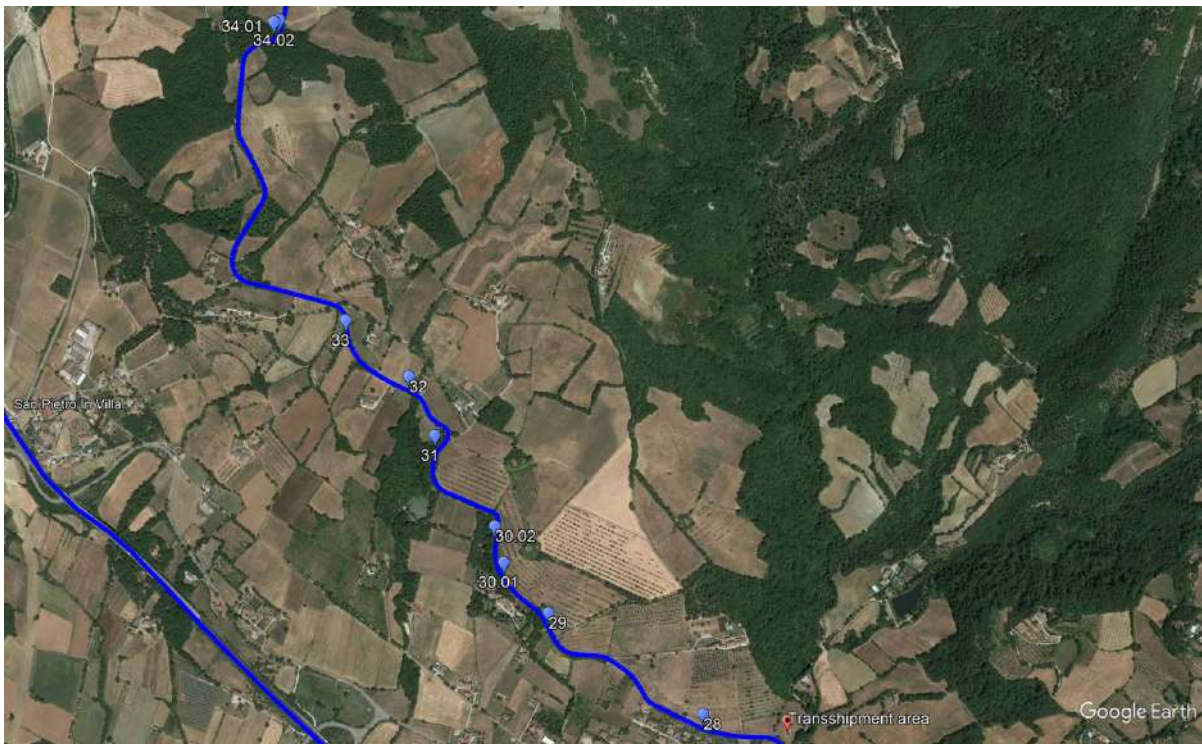


### Map of Observations from Obs. 22.01 to Obs. 27.03 – 2nd option (Transshipment area)

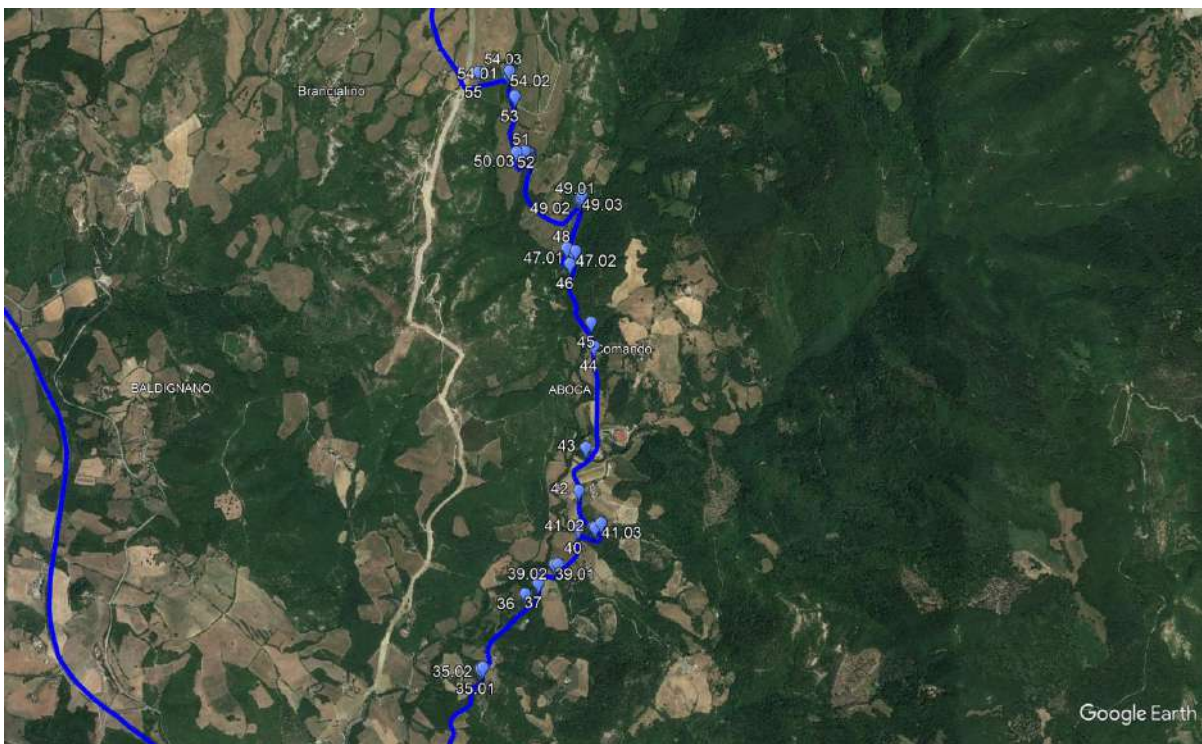


## Poggio (FC)

### Map of Observations from Obs. 28 to Obs. 34.02

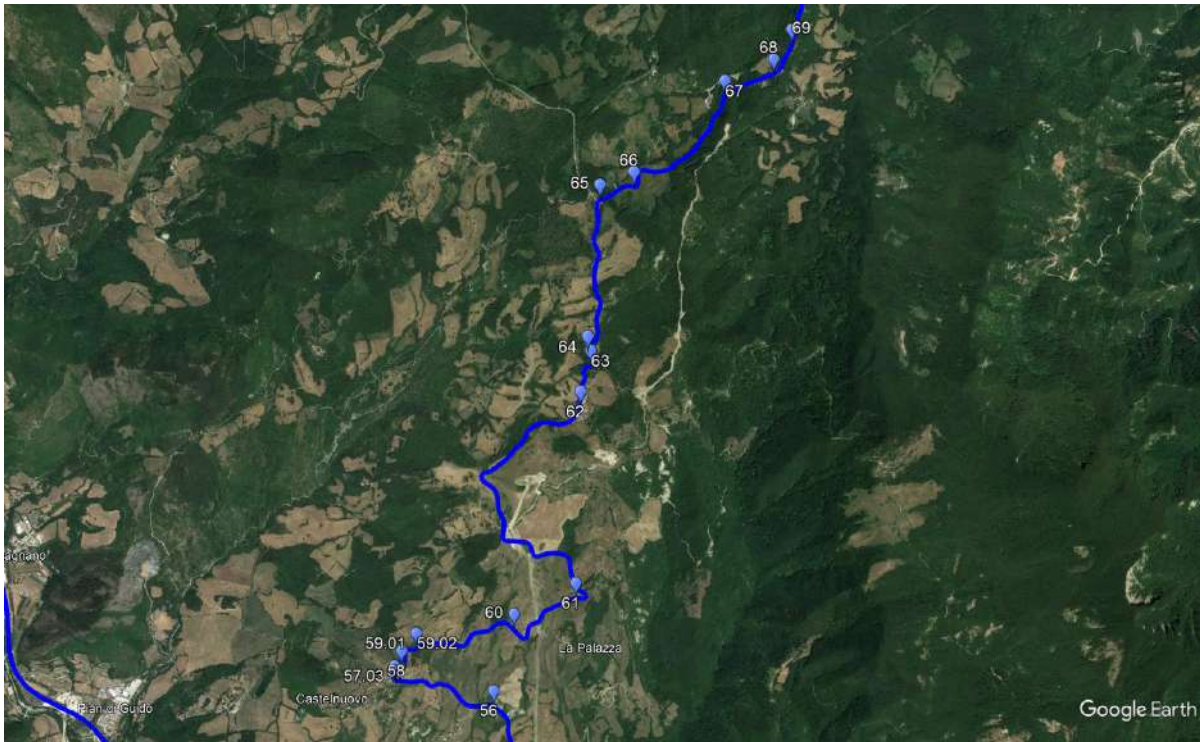


### Map of Observations from Obs. 35.01 to Obs. 55

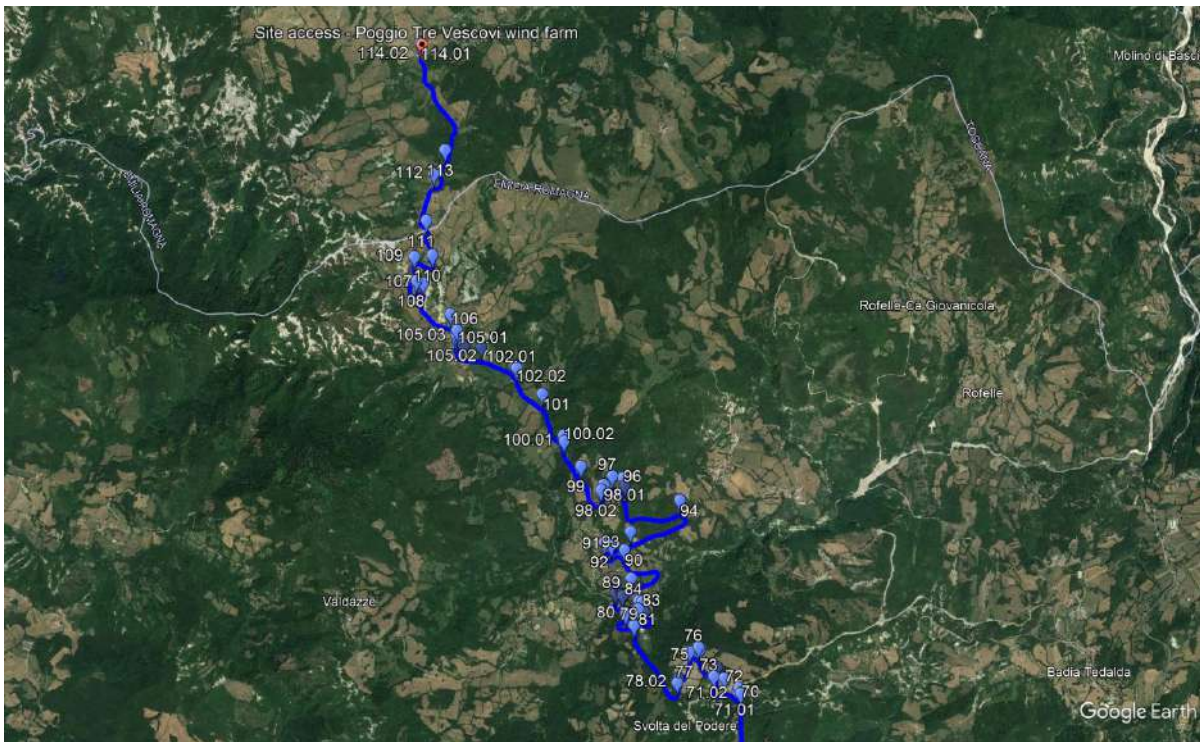


## Poggio (FC)

### Map of Observations from Obs. 56 to Obs. 69



### Map of Observations from Obs. 70 to Obs. 114.02 (site access)

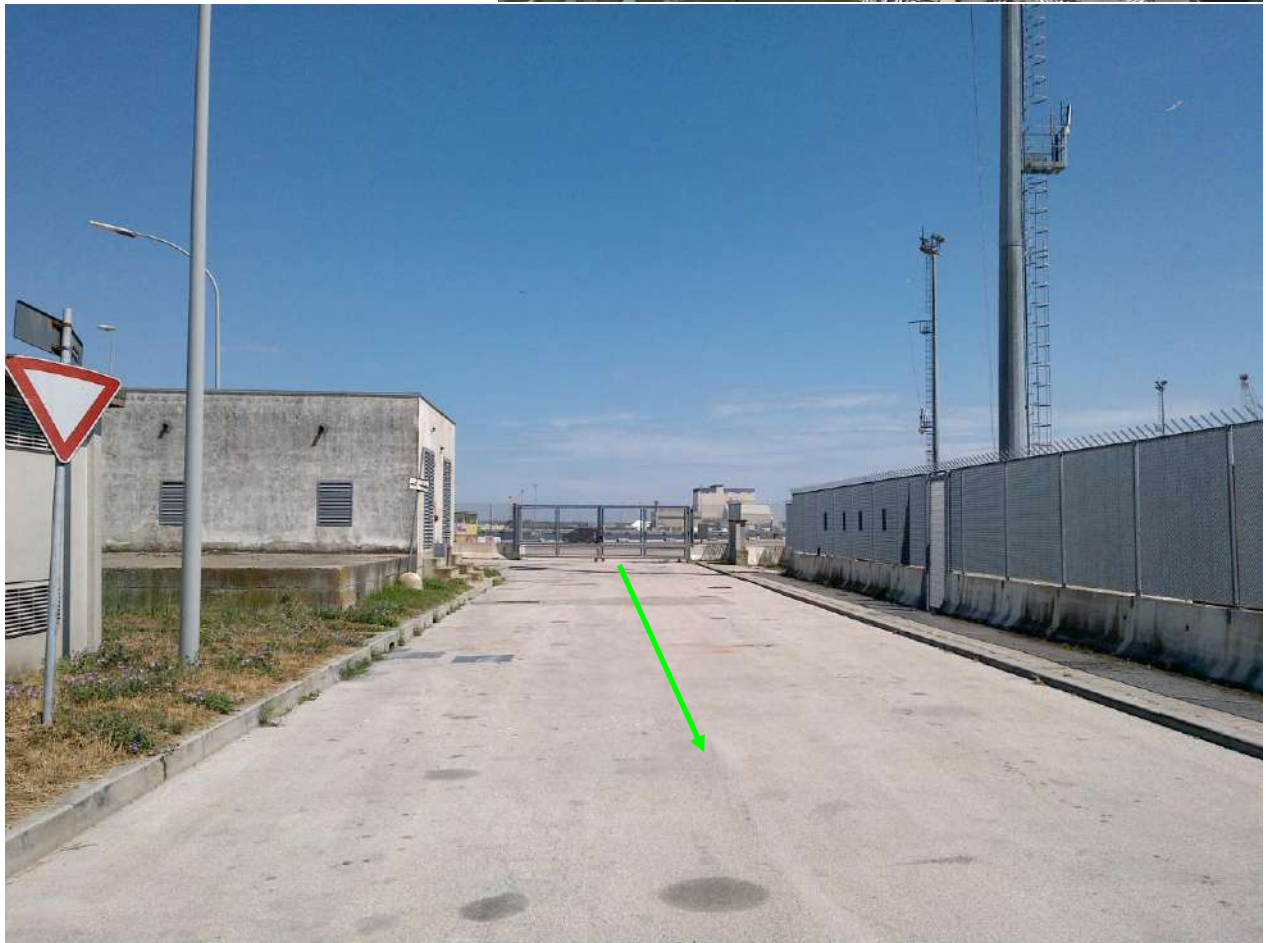


## 9. Road Modifications

### Observation 1

Exit from port.

N 44.471763° E 12.248508°



*Poggio (FC)*

**Observation 2.01**

Start by-pass on the left.

**N 44.471827° E 12.248105°**



## Poggio (FC)

### Observation 2.02

By-pass has to be created according to Siemens Gamesa guidelines.

N 44.471883° E 12.247863°



## Poggio (FC)

### Observation 3

By-pass has to be created according to Siemens Gamesa guidelines.

N 44.465355° E 12.240013°





*Poggio (FC)*

**Observation 4**

The roundabout has to be widened for 10x50 meters.

**N 44.465122° E 12.238936°**

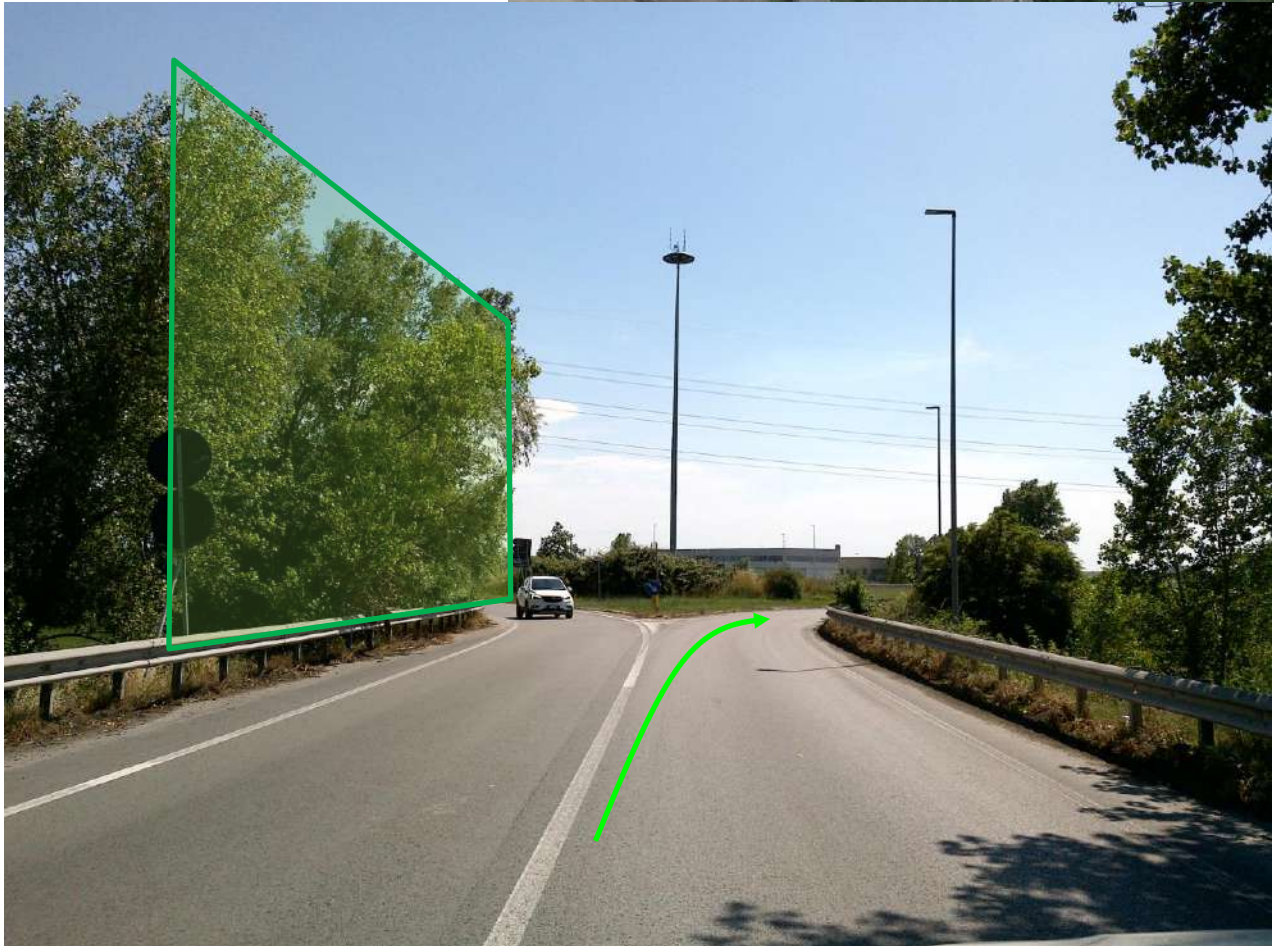


*Poggio (FC)*

**Observation 5**

Trees have to be cut.

**N 44.457877° E 12.220286°**



## Poggio (FC)

### Observation 6

Widen and make practicable for 10x40 meters on the right side.  
Lighting pole has to be removed.

N 44.457608° E 12.220016°



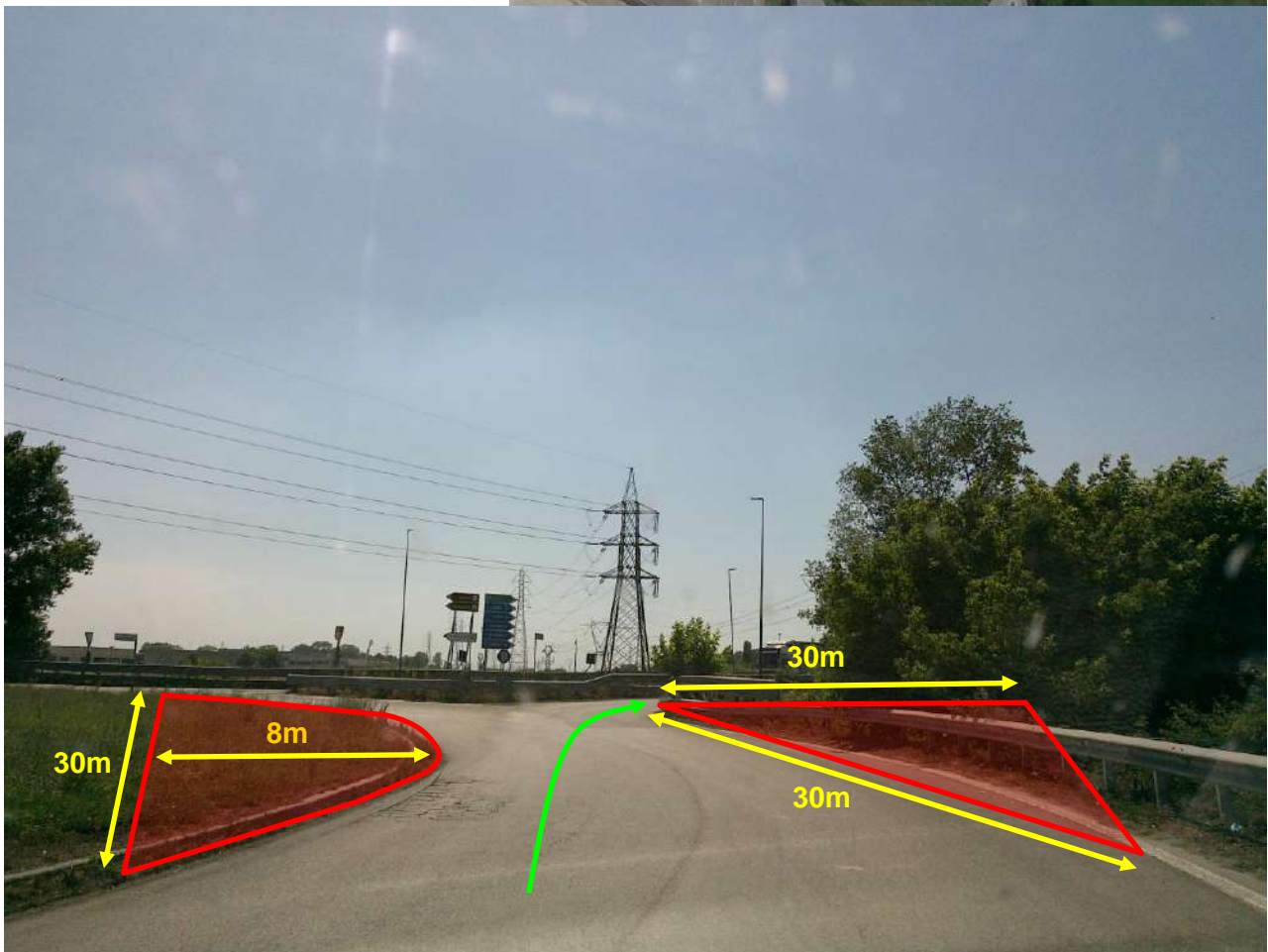
## Poggio (FC)

### Observation 7

Widen and make practicable for 8x30 meters on the left side.

Widen and make practicable for 30x30 meters on the right side.

N 44.457377° E 12.219561°



*Poggio (FC)*

**Observation 8**

Guardrail has to be removed for 50 meters.

**N 44.458100° E 12.211019°**



## Poggio (FC)

### Observation 9

Widen and make practicable for 10x30 meters on the left side.  
Trees have to be cut.

N 44.457888° E 12.210369°



*Poggio (FC)*

**Observation 10.01**

The road has to be widened and made accessible for 10x40 meters on the left side.

**N 44.457875° E 12.209941°**



## Poggio (FC)

### Observation 10.02

The road has to be widened and made accessible for 20x20 meters on the right side.  
Road signs have to be removed.

N 44.458138° E 12.209686°





## Poggio (FC)

### Observation 11

The road has to be widened and made accessible for 10x30 meters on the right side.  
Road signs have to be removed.

N 44.458286° E 12.208569°



*Poggio (FC)*

**Observation 12**

By-pass has to be created into roundabout according to Siemens Gamesa guidelines.  
Traffic island has to be made practicable for 2m width removing also no.2 road signs.

**N 44.450075° E 12.192527°**



*Poggio (FC)*

**Observation 13**

Proceed against the traffic flow.

**N 44.430374° E 12.159288°**



## Poggio (FC)

### Observation 14

Take the ramp against the traffic flow.

The guardrail on the left side has to be removed for 25m entering the slip road.

N 44.428905° E 12.156561°



## Poggio (FC)

### Observation 15.01

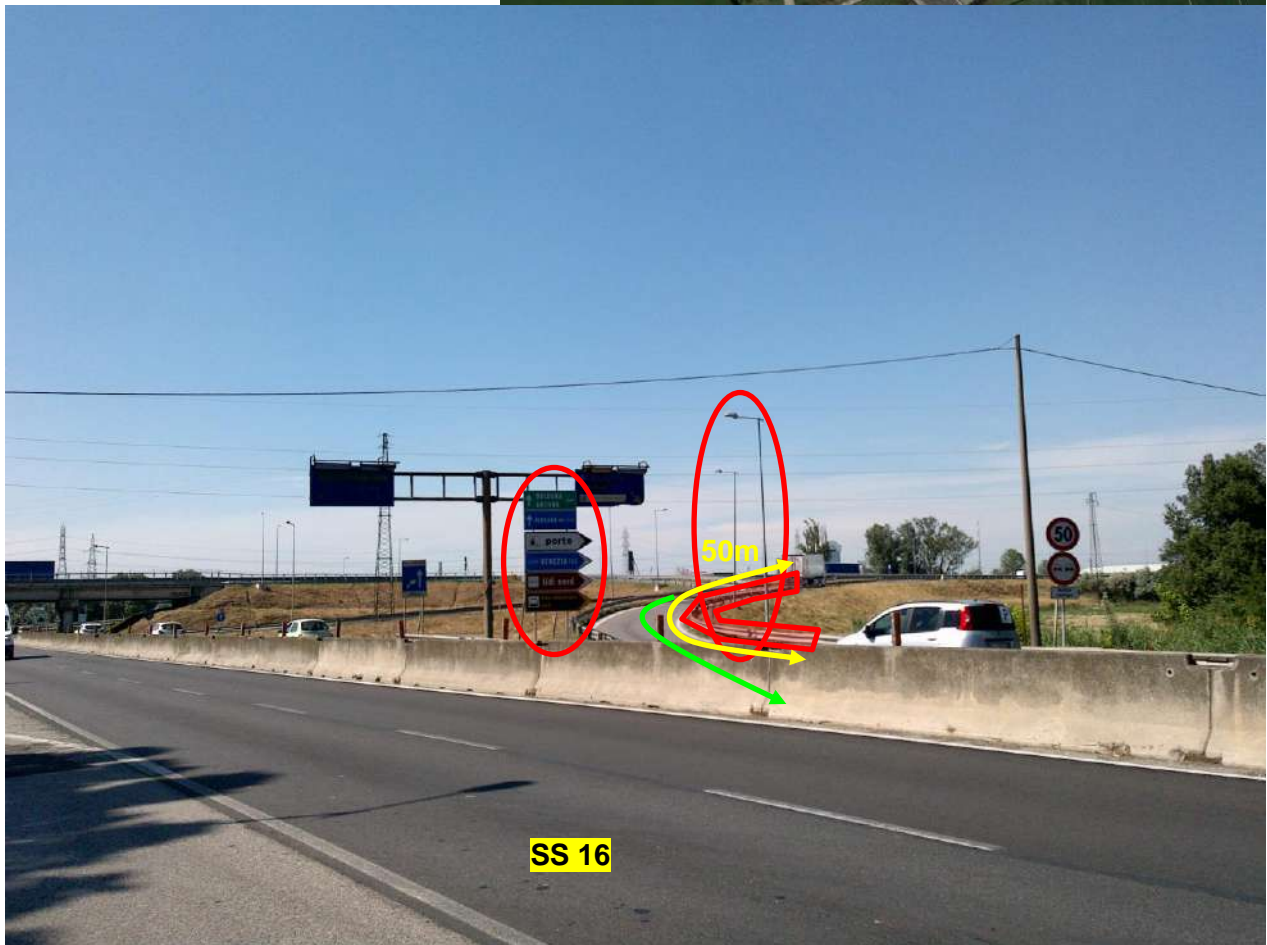
Exit from the ramp against the traffic flow.

No.2 lighting poles have to be removed.

Road signs have to be removed.

The last part of guardrail has to be removed for 50m length.

**N 44.426599° E 12.156591°**

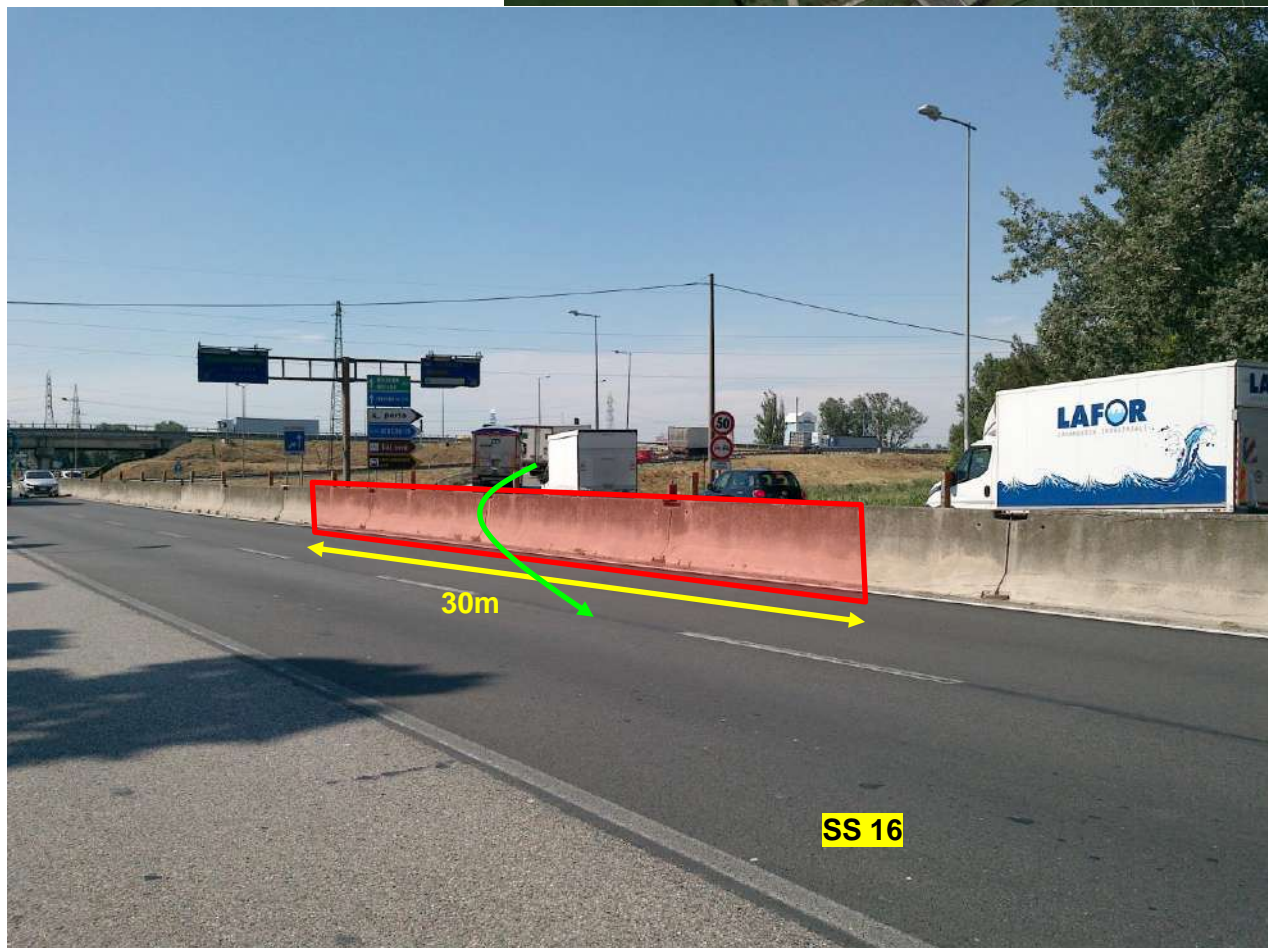


## Poggio (FC)

### Observation 15.02

A pass has to be opened through the new jersey for 30 meters.

N 44.426541° E 12.156675°



Poggio (FC)

**Observation 16**

By-pass has to be created for 6m wide into roundabout according to Siemens Gamesa guidelines.

**N 44.384488° E 12.194508°**

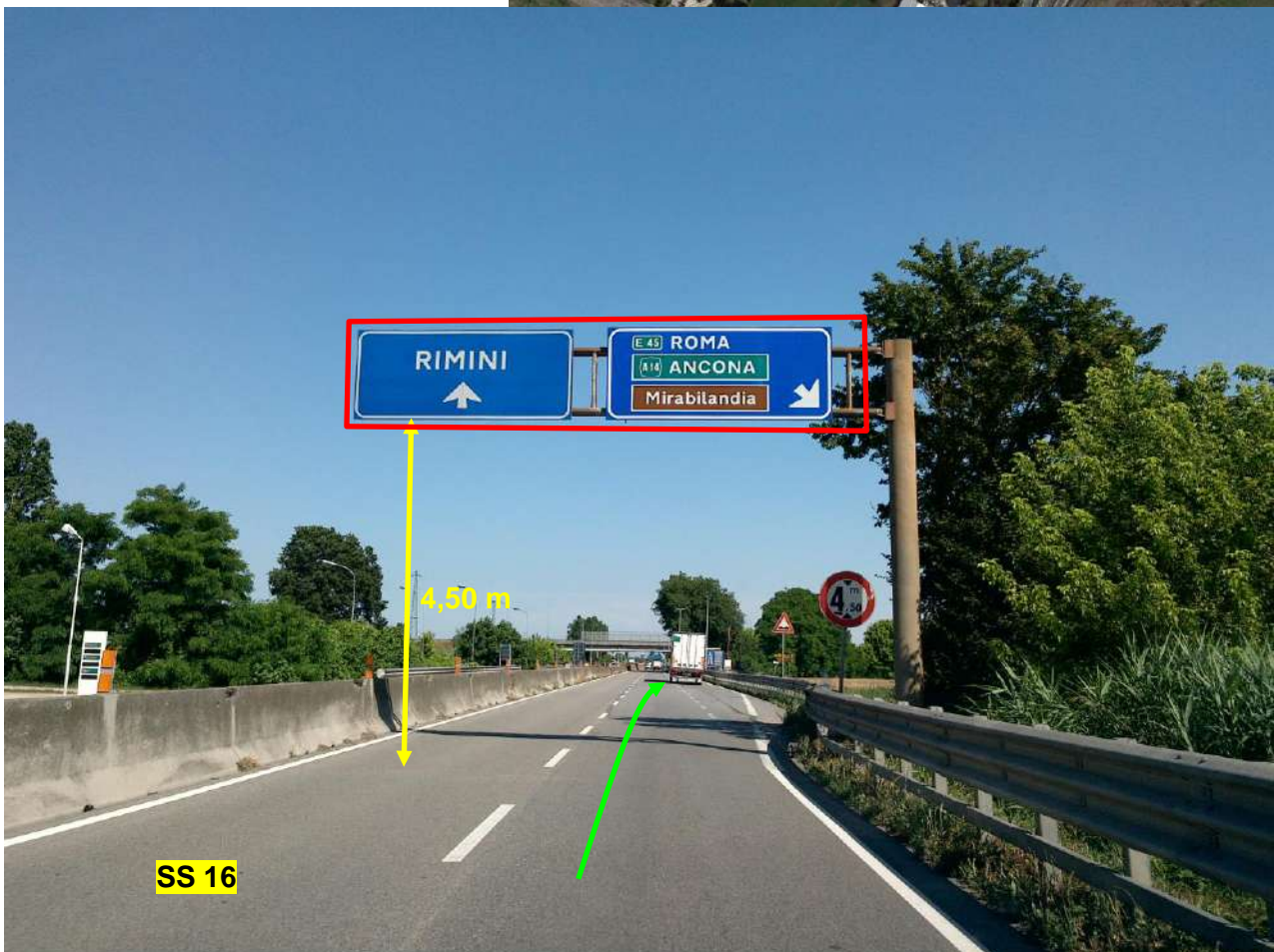


## Poggio (FC)

### Observation 17

The maximum height is 4,50 meters. Road signs have to be removed or rotated in order to keep free the road.

N 44.380913° E 12.205530°





## Poggio (FC)

### Observation 18


Road signs on the left side have to be removed.

No.2 lighting poles have to be removed.

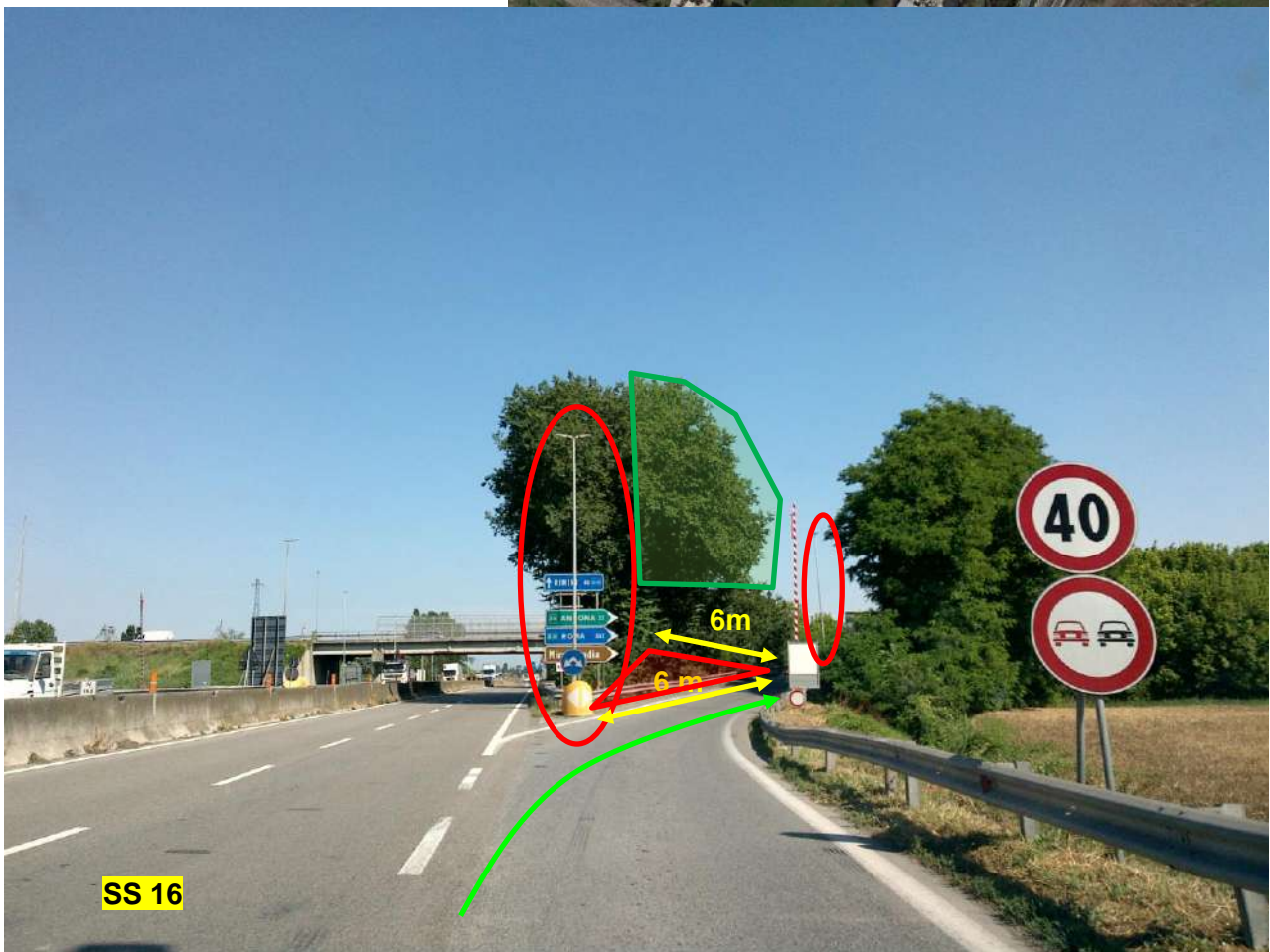
Wide and make accessible for 6x6 meters on the left side.

Tree branches have to be cut.

**N 44.380386° E 12.207094°**



An aerial photograph showing a road interchange with a roundabout. A green arrow points to a specific location on the left side of the road, near the roundabout. The surrounding area includes fields and some buildings.



A ground-level photograph of a road. In the bottom left corner, there is a yellow box with the text "SS 16". The road is paved and has a white dashed line. On the right side, there are road signs: a circular sign with "40" and a circular sign with a red border and a white background showing two cars with a red diagonal line through them. On the left side, there are trees and a signpost with several directional signs. A green polygon highlights a large area on the left side of the road. Two red circles highlight specific areas: one around a signpost and another around a small structure. Yellow arrows labeled "6m" indicate a 6-meter width from the edge of the road to the signpost area.

Poggio (FC) Wind Farm – Rev.1 – Drawn up by Mirko Lafratta – [milaf@saetrasporti.it](mailto:milaf@saetrasporti.it)

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*Poggio (FC)*

**Observation 19.01**

Vegetation has to be cut on both sides.

**N 44.379936° E 12.208008°**



*Poggio (FC)*

**Observation 19.02**

Lighting pole has to be removed on the left side.

**N 44.379652° E 12.208238°**



*Poggio (FC)*

**Observation 20**

From this point there are several works along SS 3 bis.

**N 44.361222° E 12.202513°**

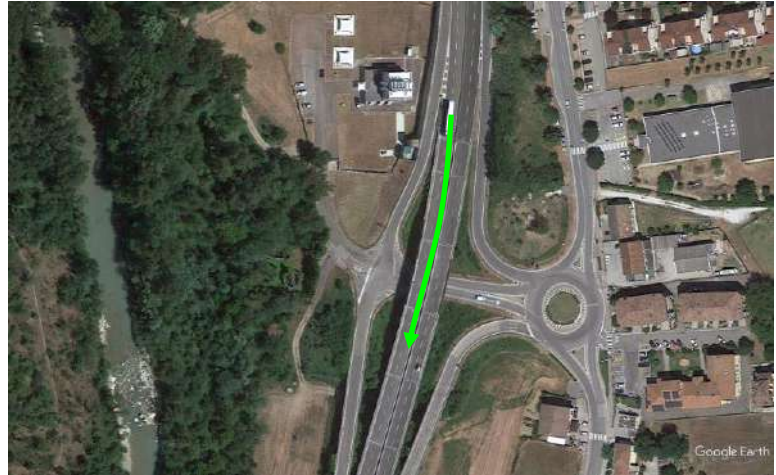


## Poggio (FC)

### Observation 21

The maximum bearing capacity of the bridge has to be checked.

**N 44.015786° E 12.204663°**



## Poggio (FC)

### Observation 22.01

Widen and make accessible on the left side for 6 meters in depth.

N 43.570808° E 12.121355°



## Poggio (FC)

### Observation 22.02

Widen and make accessible on the left side for 6 meters in depth.  
Road signs on the right side have to be removed.

N 43.570352° E 12.121594°



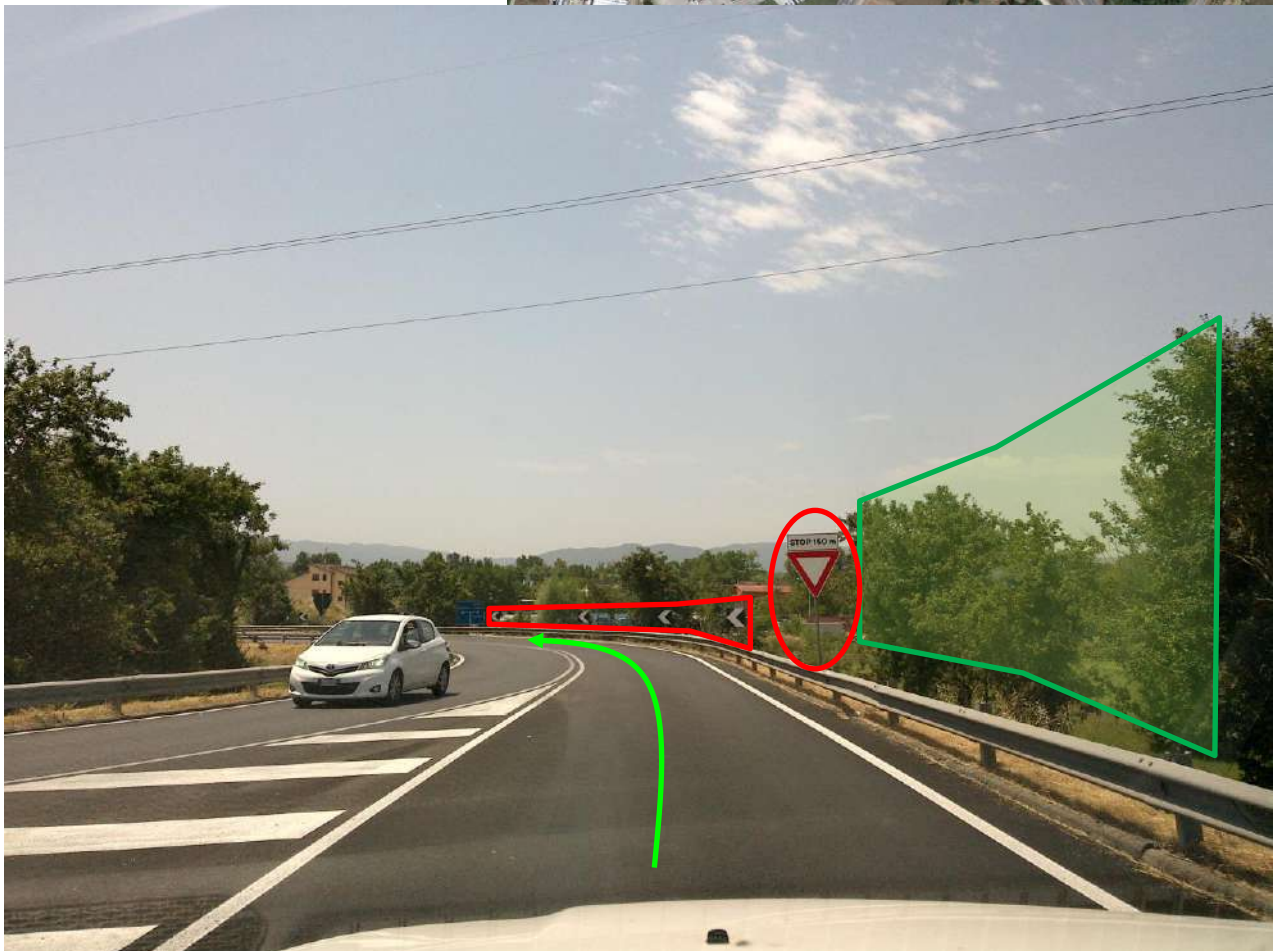
## Poggio (FC)

### Observation 23.01

Tree branches have to be cut.

Road signs on the right side have to be removed.

N 43.569624° E 12.121336°





## Poggio (FC)

### Observation 23.02

Tree branches have to be cut.

Road signs on the right side have to be removed.

N 43.569072° E 12.120836°



## Poggio (FC)

### Observation 24.01

Trees have to be cut.

Road signs on the right side have to be removed.

N 43.568472° E 12.121138°



## Poggio (FC)

### Observation 24.02

Road signs have to be removed.

Roundabout has to be widened and made practicable for 5x20m.

N 43.568116° E 12.121624°

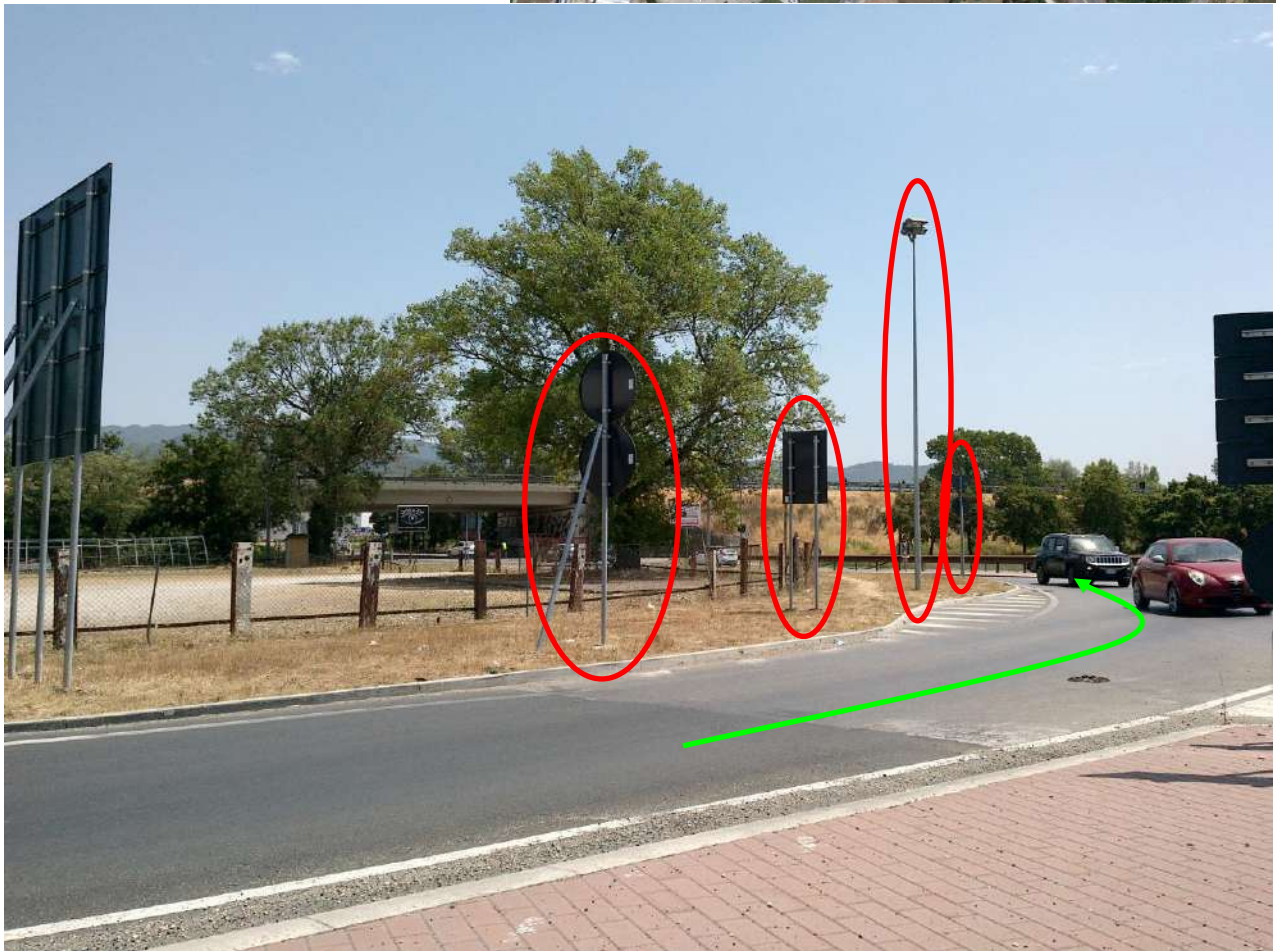


## Poggio (FC)

### Observation 24.03

Road signs on the left side have to be removed.  
Lighting pole on the left side has to be removed.

N 43.568022° E 12.121688°



## Poggio (FC)

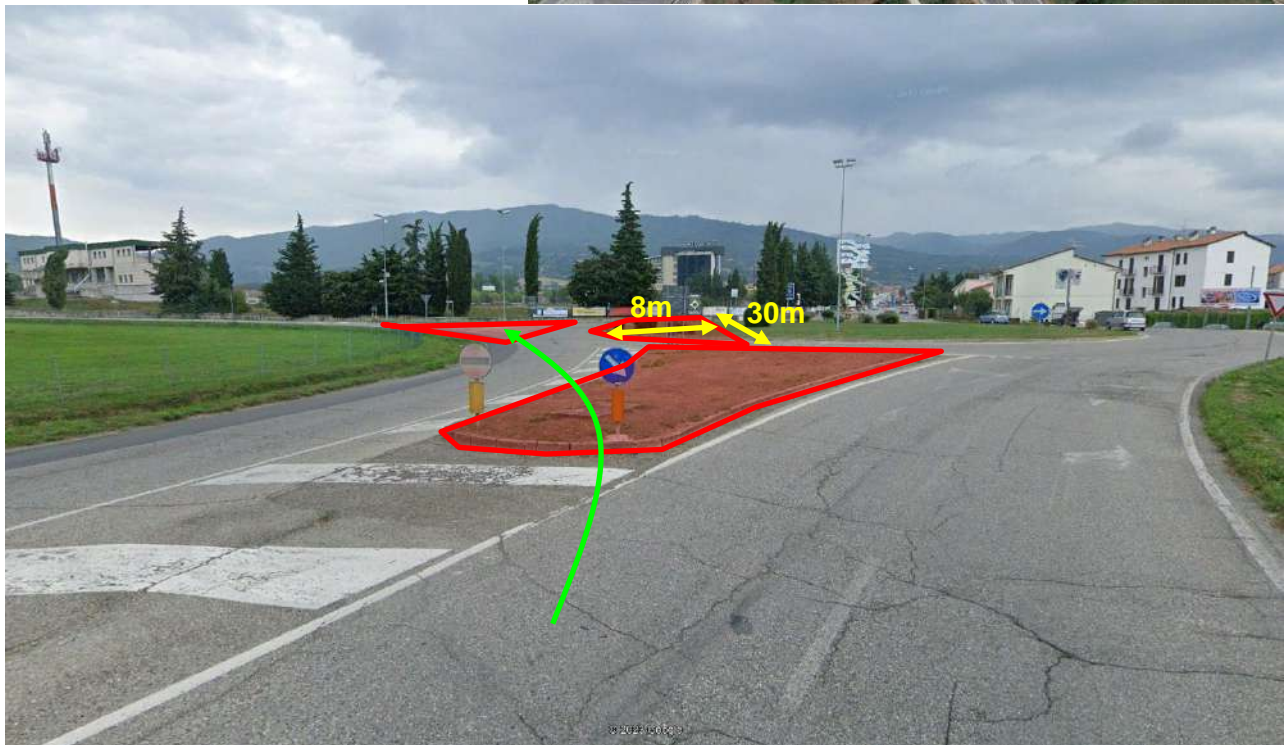
### Observation 25

Take the road against traffic flow.

Traffic islands have to be made practicable.

Roundabout has to be widened and made accessible for 8x30m.

**N 43.568336° E 12.123616°**

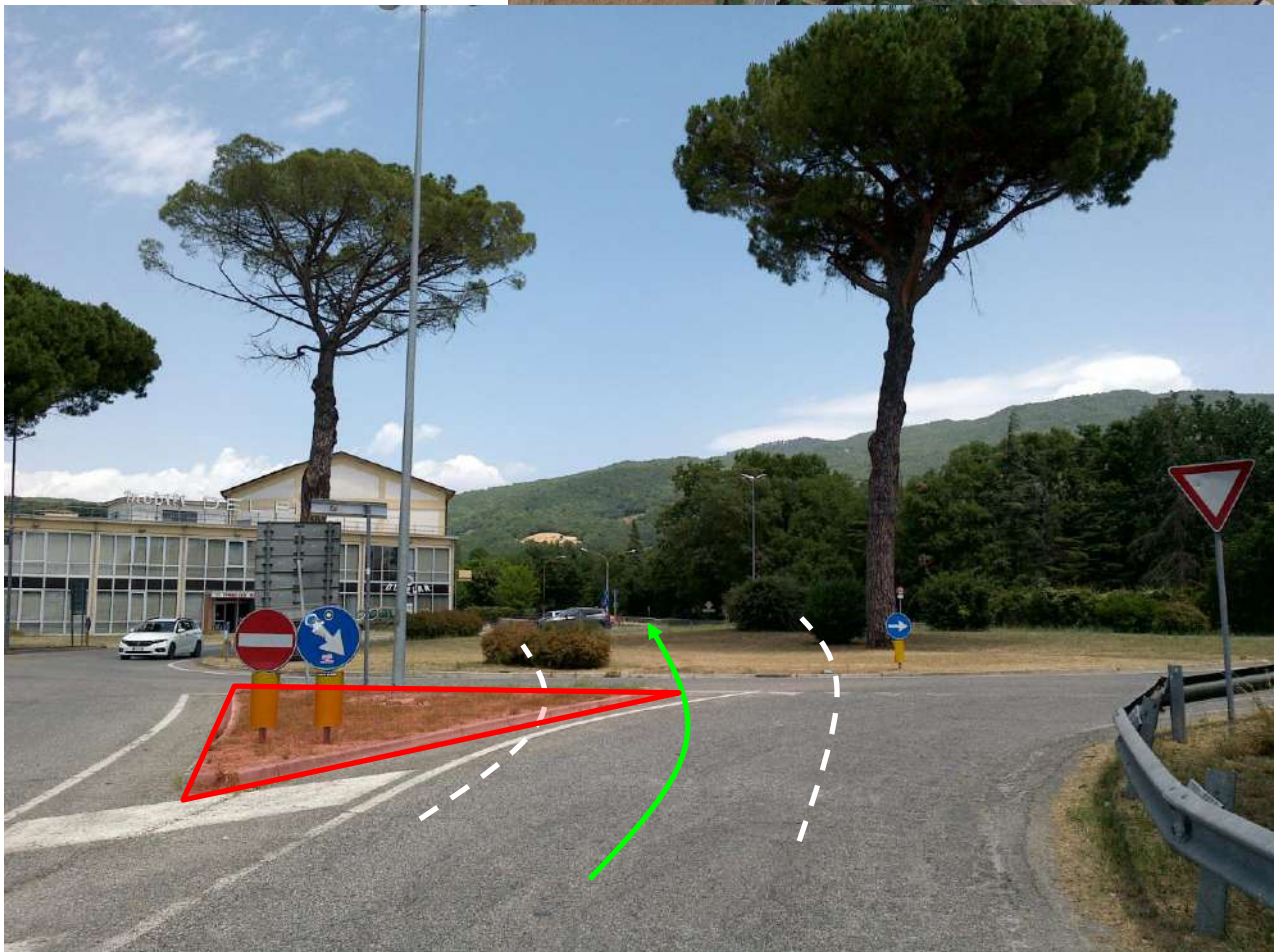


## Poggio (FC)

### Observation 26.01

By-pass into roundabout has to be created according to Siemens Gamesa guidelines.  
Make practicable the traffic island, removing all obstacles on it.

N 43.580038° E 12.125286°

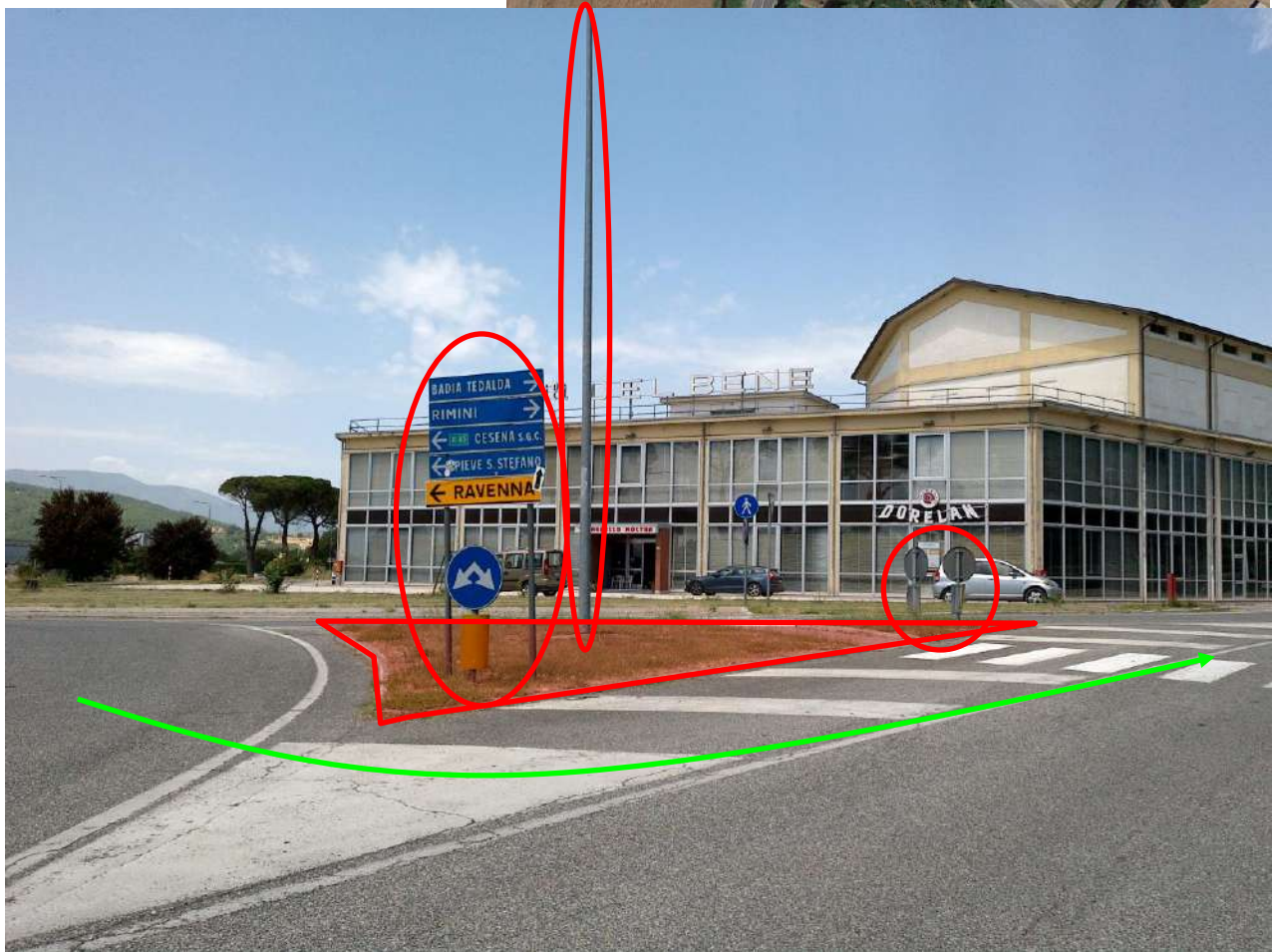


## Poggio (FC)

### Observation 26.02

Traffic island has to be removed with road signs and lighting pole on it.

N 43.580613° E 12.125858°



## Poggio (FC)

### Observation 27.01 – 1<sup>st</sup> option

Half traffic island has to be widened and made practicable.

No.2 road signs have to be removed.

N 43.582322° E 12.125161°





## Poggio (FC)

### Observation 27.02 – 1<sup>st</sup> option

Half traffic island has to be widened and made practicable.

No.1 lighting pole has to be removed.

N 43.582263° E 12.125216°



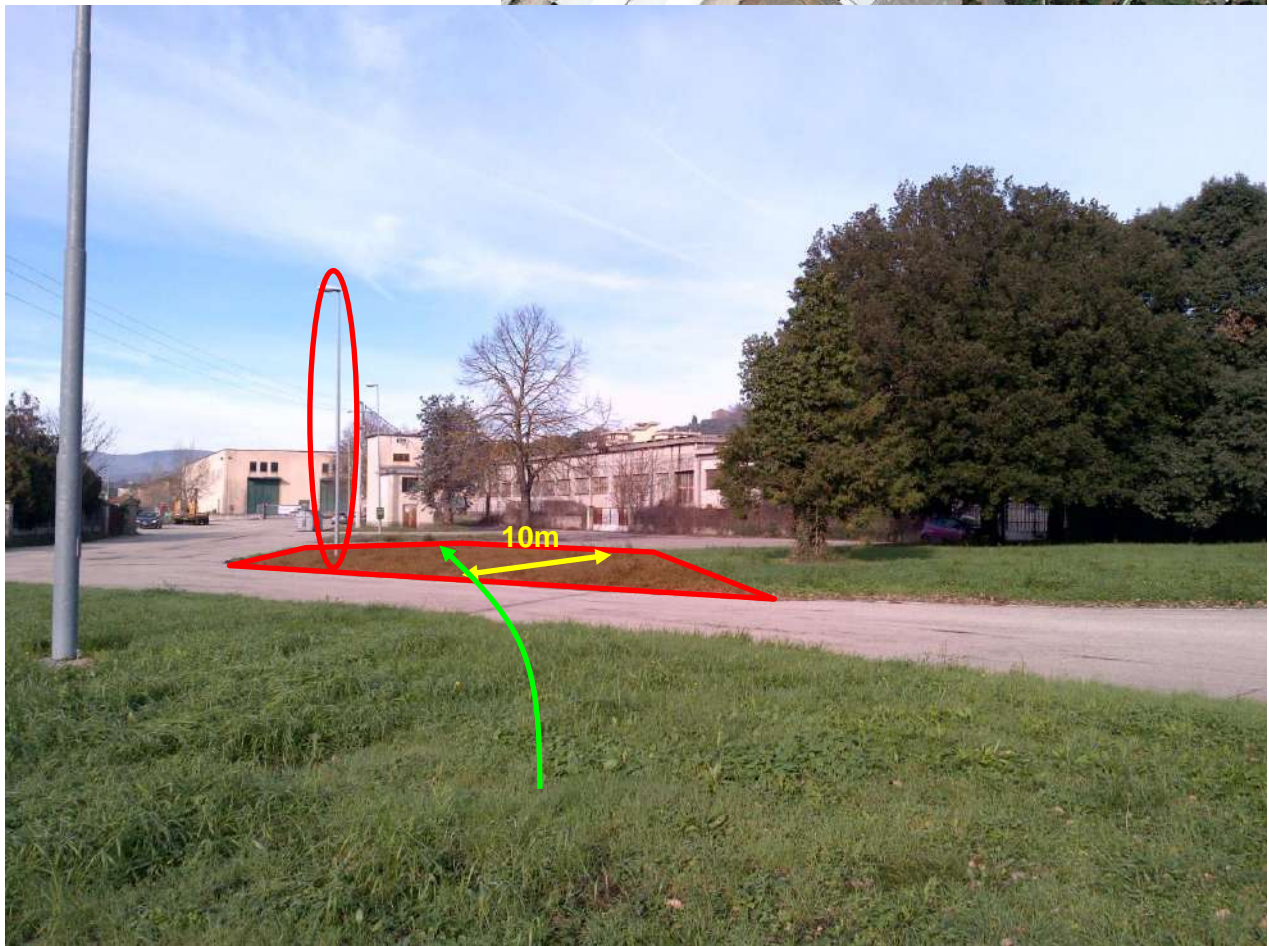
## Poggio (FC)

### Observation 27.03 – 1<sup>st</sup> option

Wide and make practicable the road for 10m.

No.1 lighting pole has to be removed.

N 43.582374° E 12.125277°



*Poggio (FC)*

**Observation 27.04 – 1<sup>st</sup> option**

Make practicable the road and removing tree and lighting pole.

N 43.582416° E 12.124922°



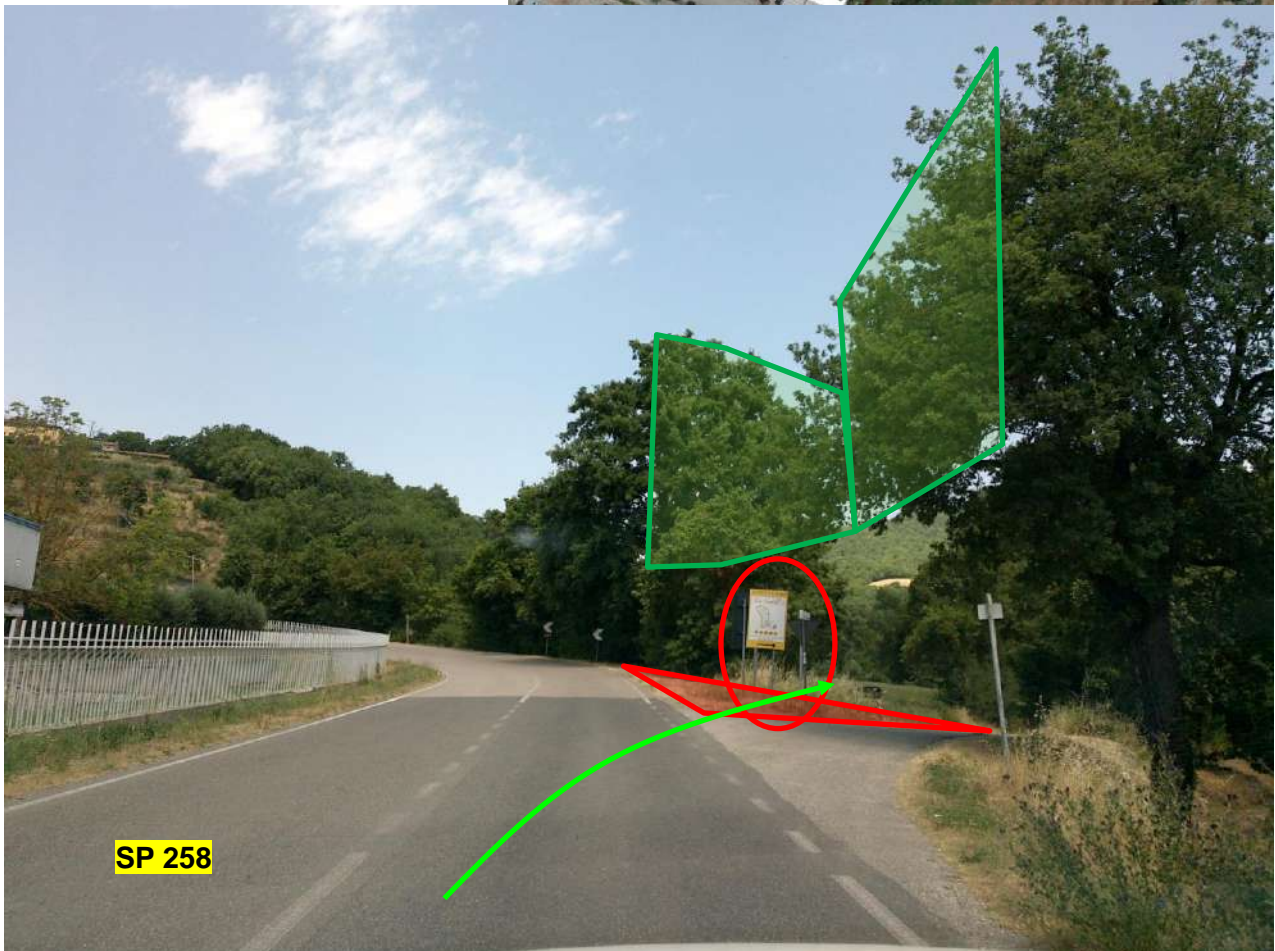
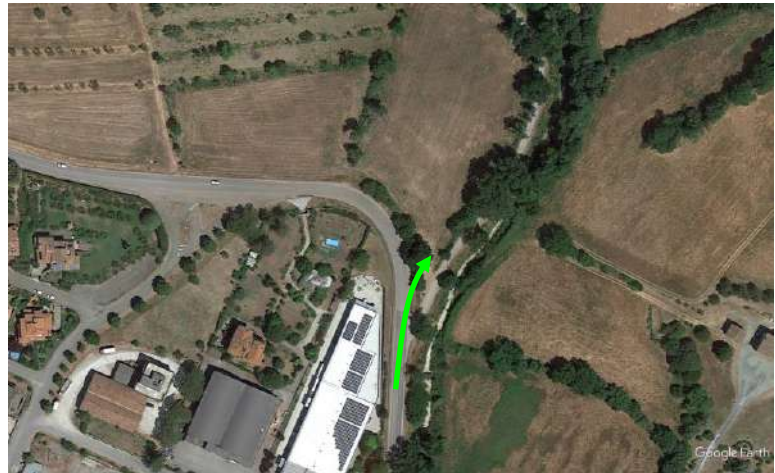
## Poggio (FC)

### Observation 27.01 – 2<sup>nd</sup> option

Entry into transshipment area.

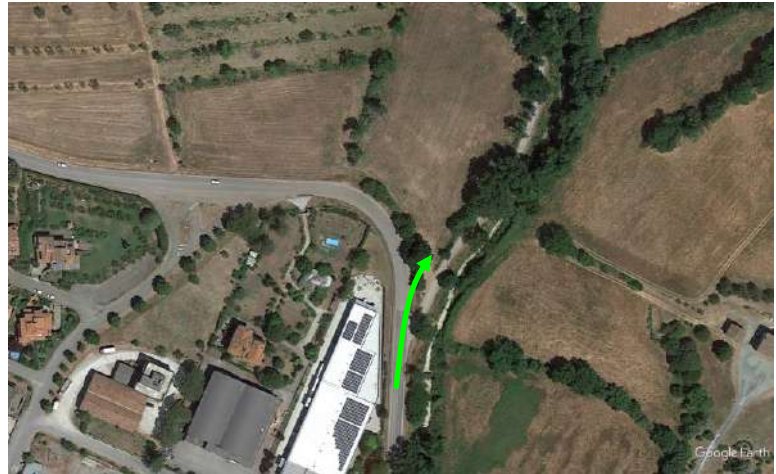
Widen and made accessible as shown.

N 43.584969° E 12.125402°



## Poggio (FC)

Observation 27.02 – 2<sup>nd</sup> option  
Transshipment area.  
N 43.585433° E 12.125566°



## Poggio (FC)

### Observation 27.03 – 2<sup>nd</sup> option

Exit from transshipment area with modular trailers and blade lifter.

N 43.585758° E 12.125272°



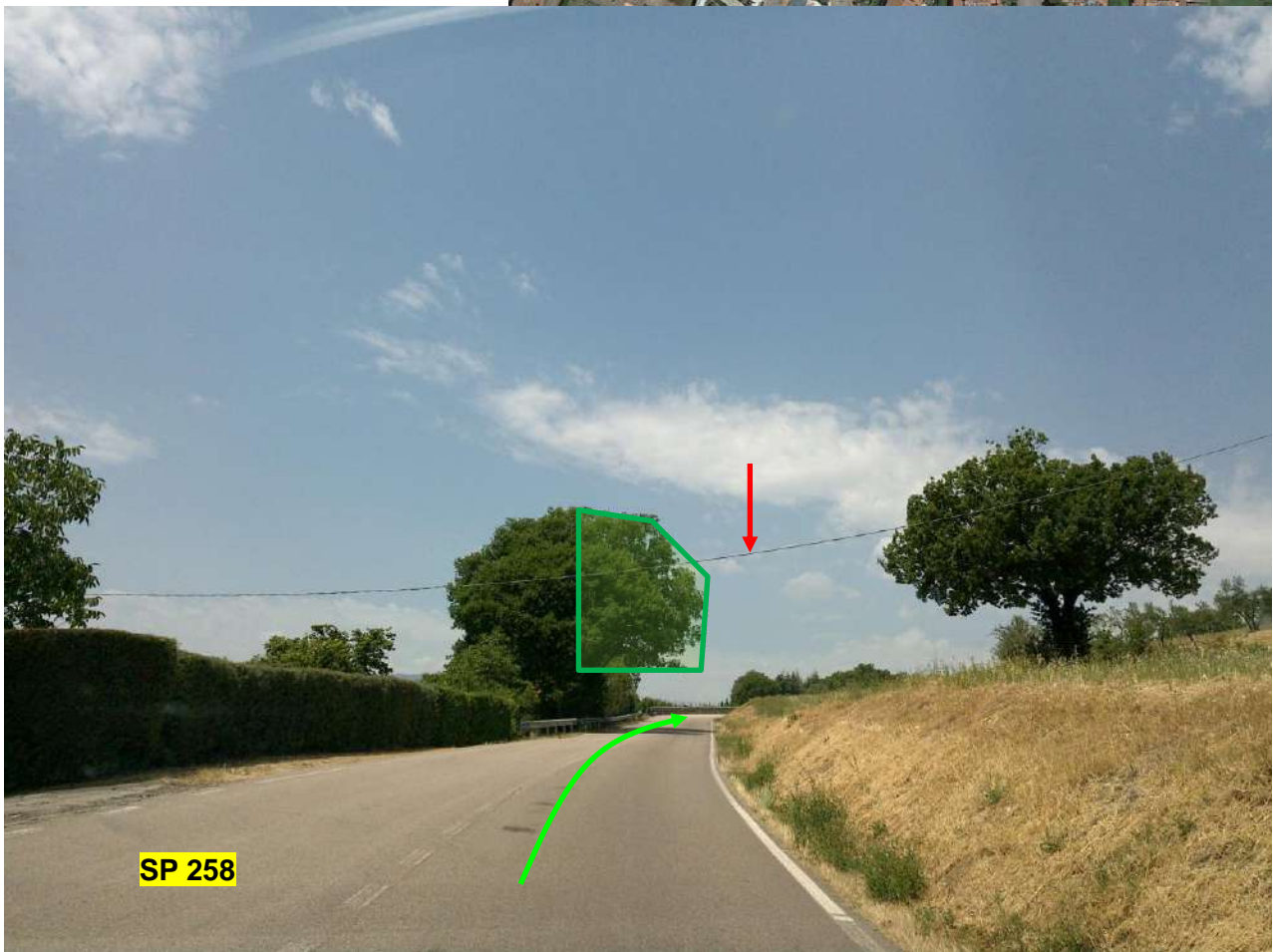
## Poggio (FC)

### Observation 28

Cable has to be buried.

Tree branches jutting out on the road on the left side have to be cut.

N 43.586094° E 12.122624°



*Poggio (FC)*

**Observation 29**

Tree branches jutting out on the road on both sides have to be cut.

**N 43.588716° E 12.117236°**



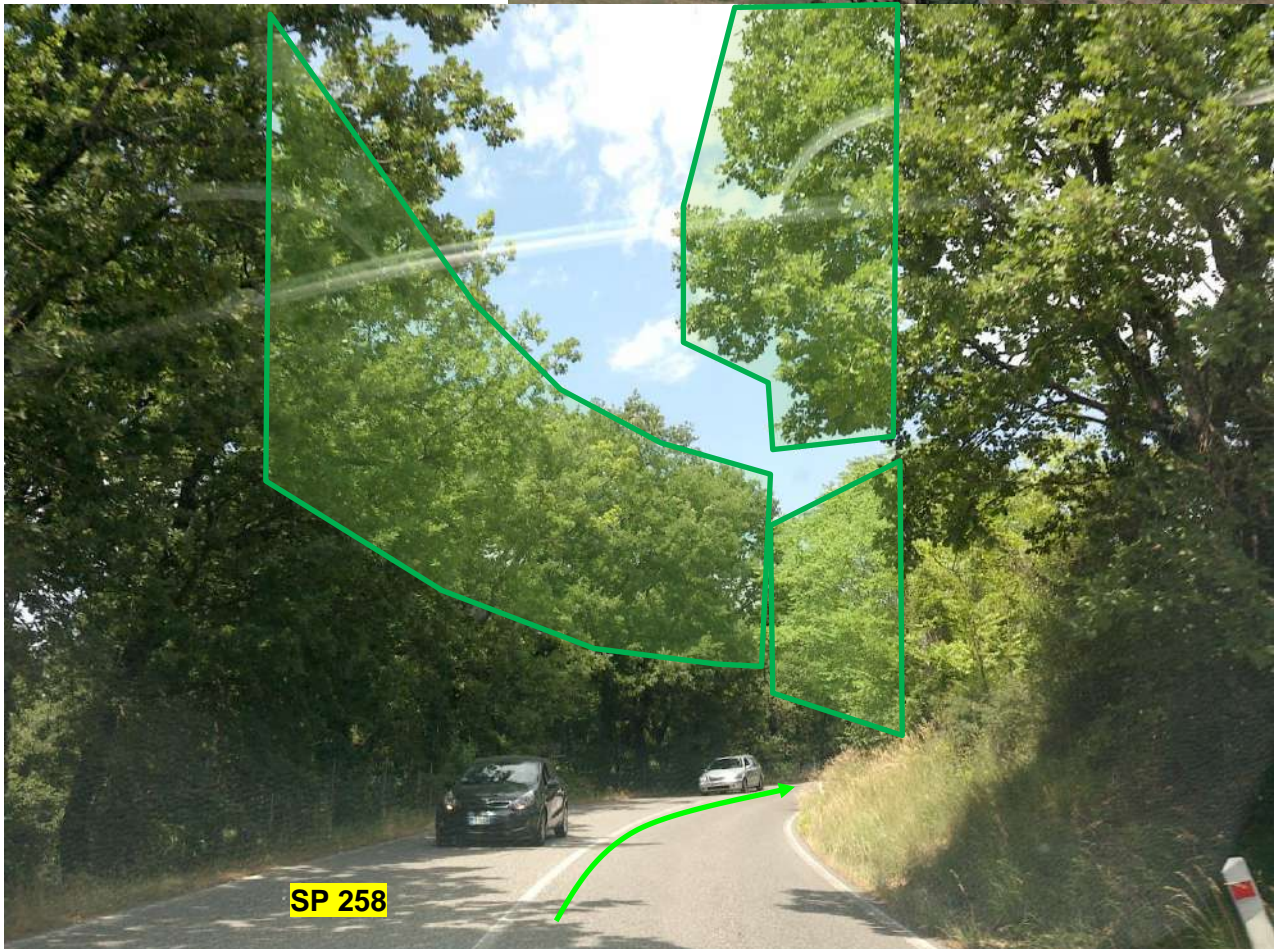


## Poggio (FC)

### Observation 30.01

Tree branches jutting out on the road on both sides have to be cut.

N 43.589997° E 12.115708°



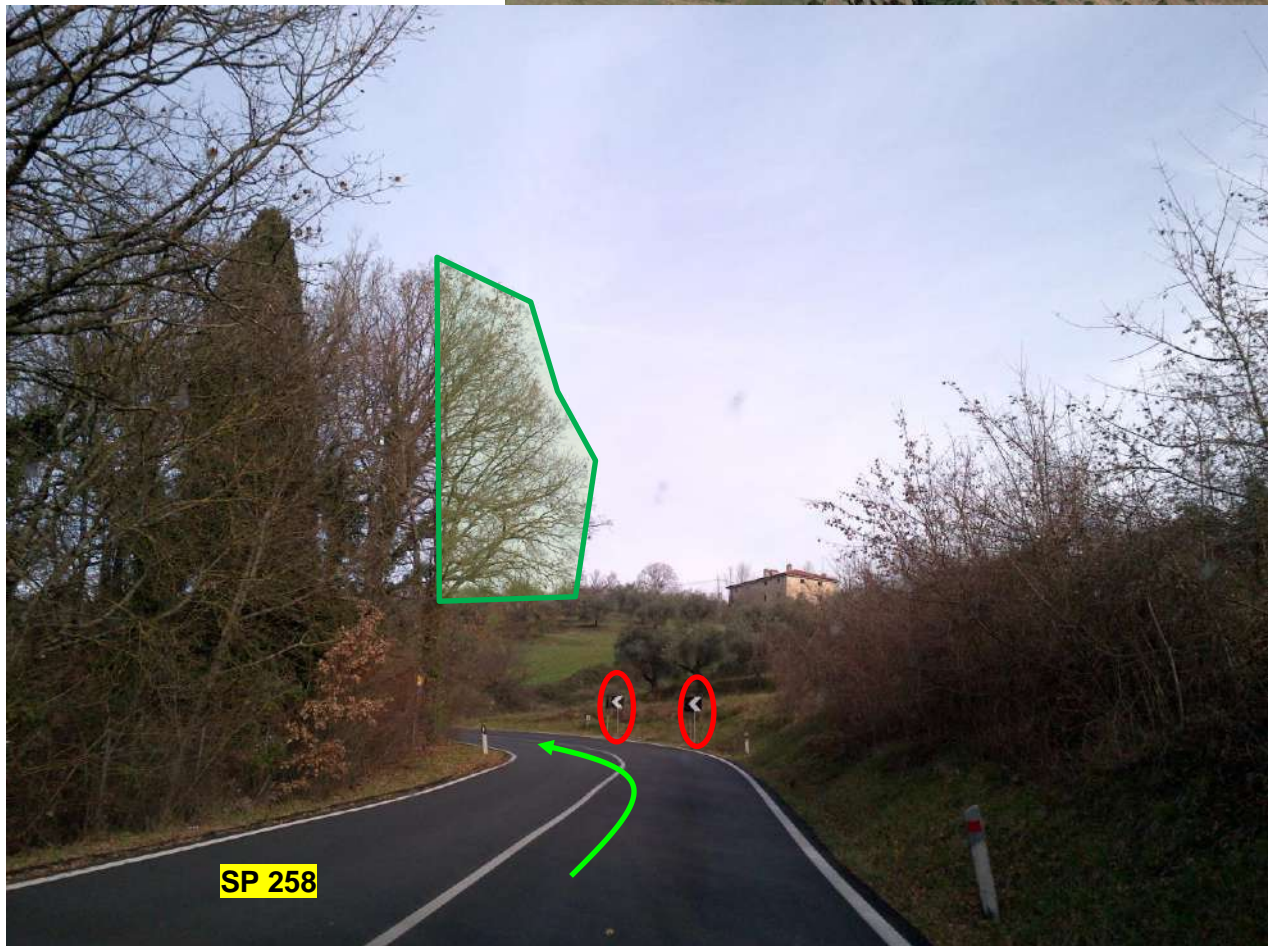
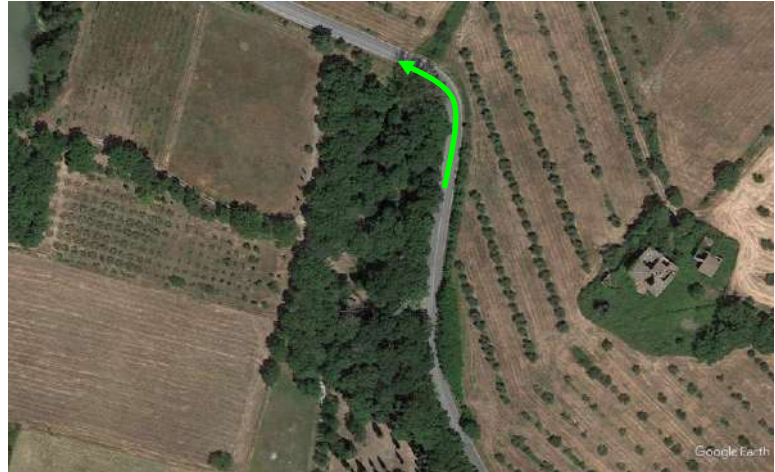
## Poggio (FC)

### Observation 30.02

No.2 road signs have to be removed.

Tree branches jutting out on the road have to be cut.

N 43.590911° E 12.115408°



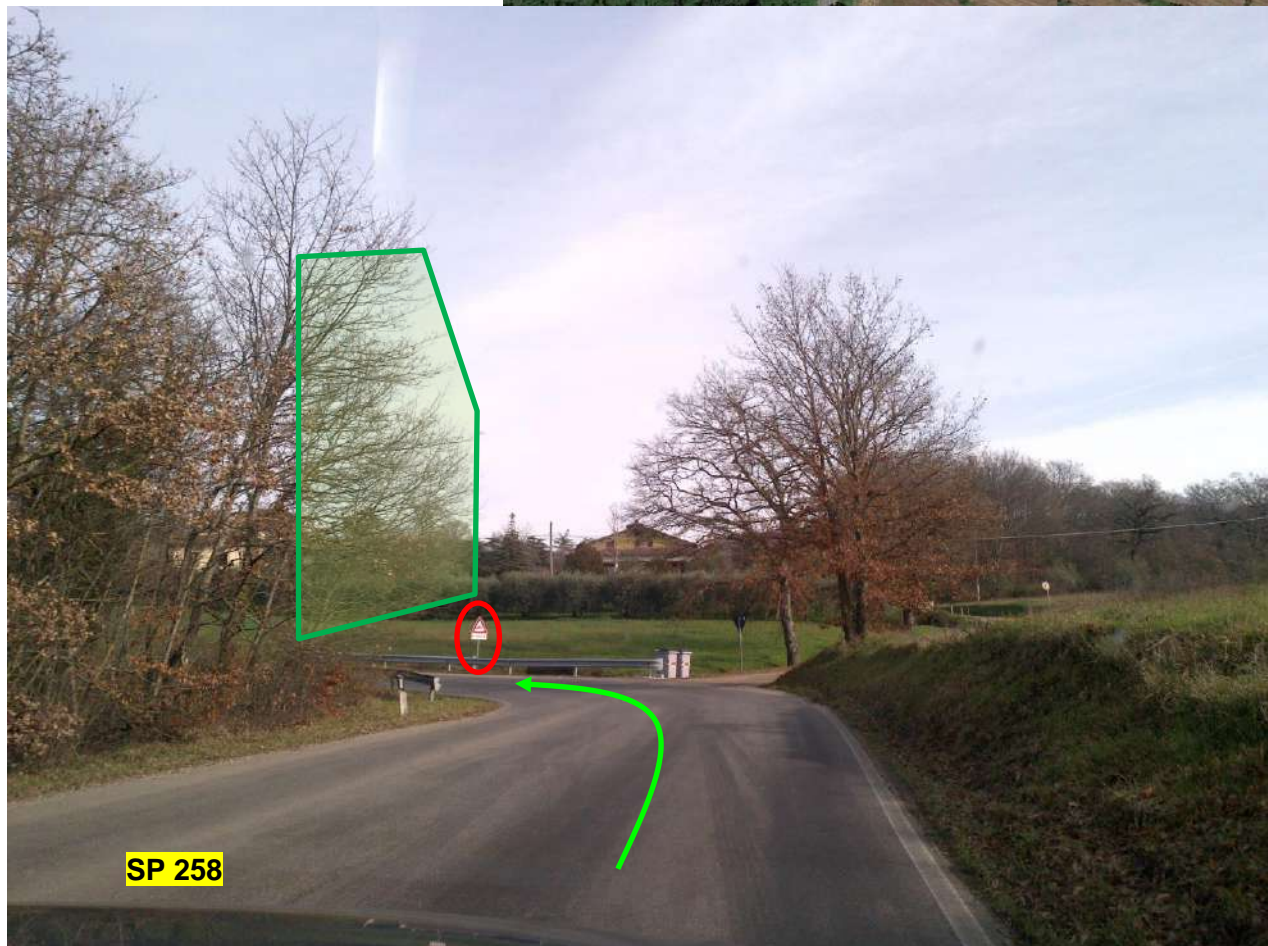
## Poggio (FC)

### Observation 31

No.1 road sign has to be removed.

Tree branches jutting out on the road have to be cut.

N 43.593174° E 12.113383°



## Poggio (FC)

### Observation 32

No.2 cables have to be buried.

N 43.594627° E 12.112516°



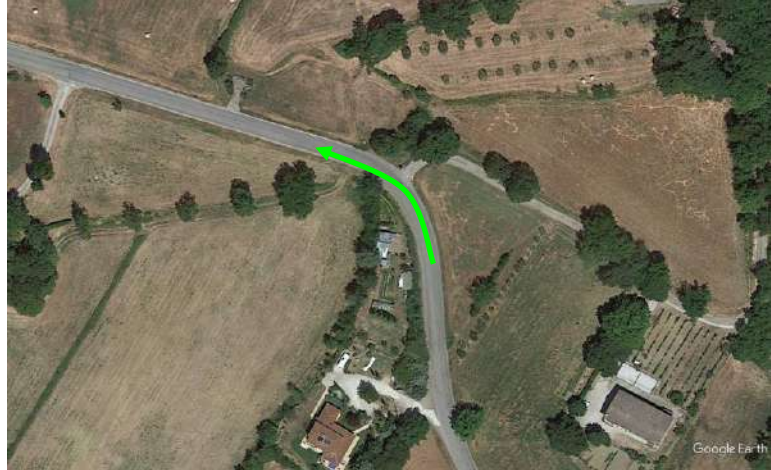
## Poggio (FC)

### Observation 33

Vegetation on the left side has to be cut.

No.1 road sign has to be removed.

N 43.596002° E 12.110405°



Poggio (FC)

Observation 34.01

Vegetation has to be cut.

N 43.603213° E 12.108091°



Poggio (FC)

Observation 34.02

No.1 cable has to be buried.

N 43.603272° E 12.108261°



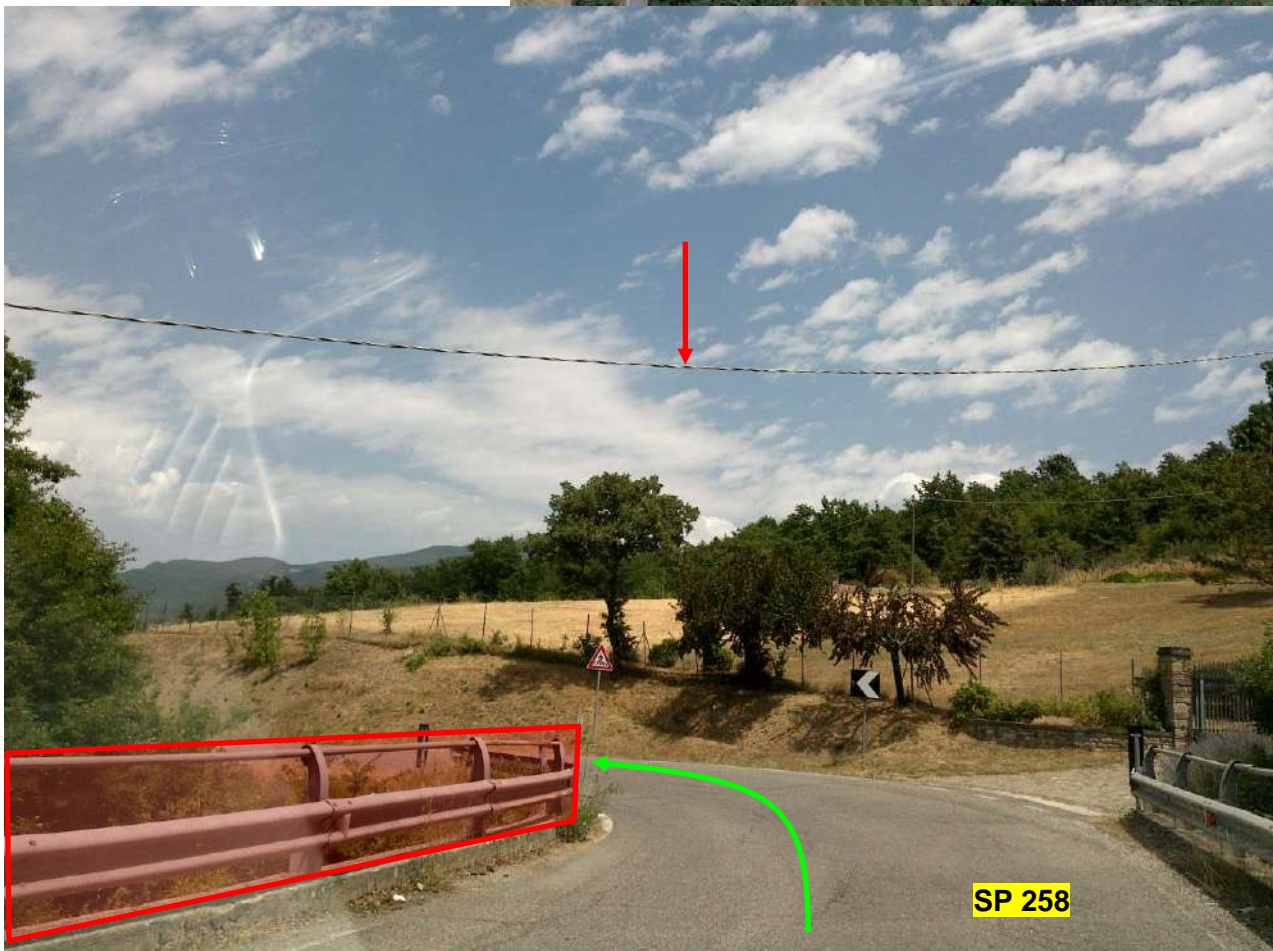
## Poggio (FC)

### Observation 35.01

Cable has to be buried.

Guardrail on the left side has to be removed.

N 43.608630° E 12.110541°





## Poggio (FC)

### Observation 35.02

The maximum bearing capacity of the bridge has to be checked.

N 43.608722° E 12.110711°



*Poggio (FC)*

**Observation 36**

No.1 road sign has to be removed.

**N 43.612616° E 12.113786°**

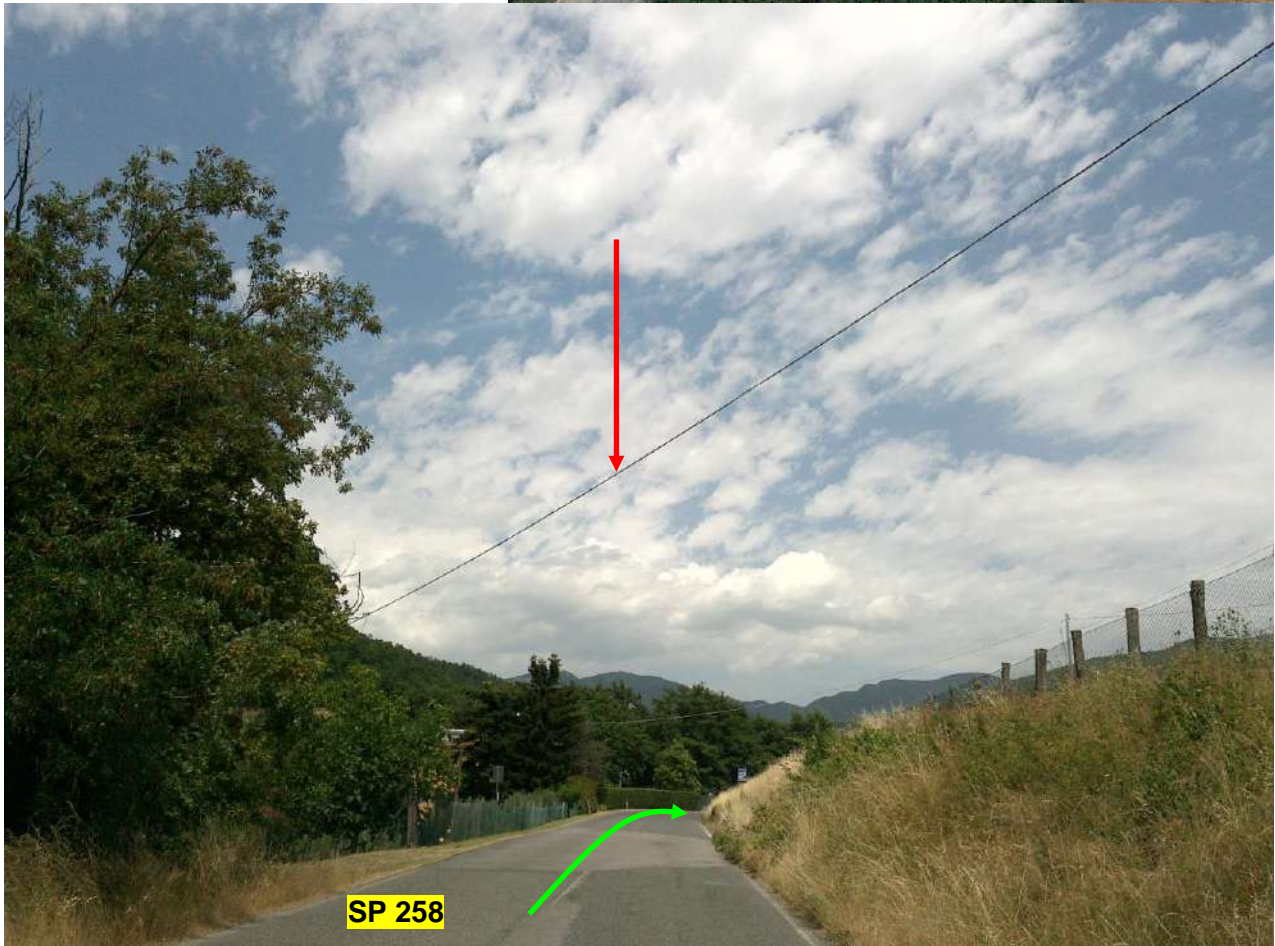


Poggio (FC)

Observation 37

No.1 cable has to be buried.

N 43.613188° E 12.114736°



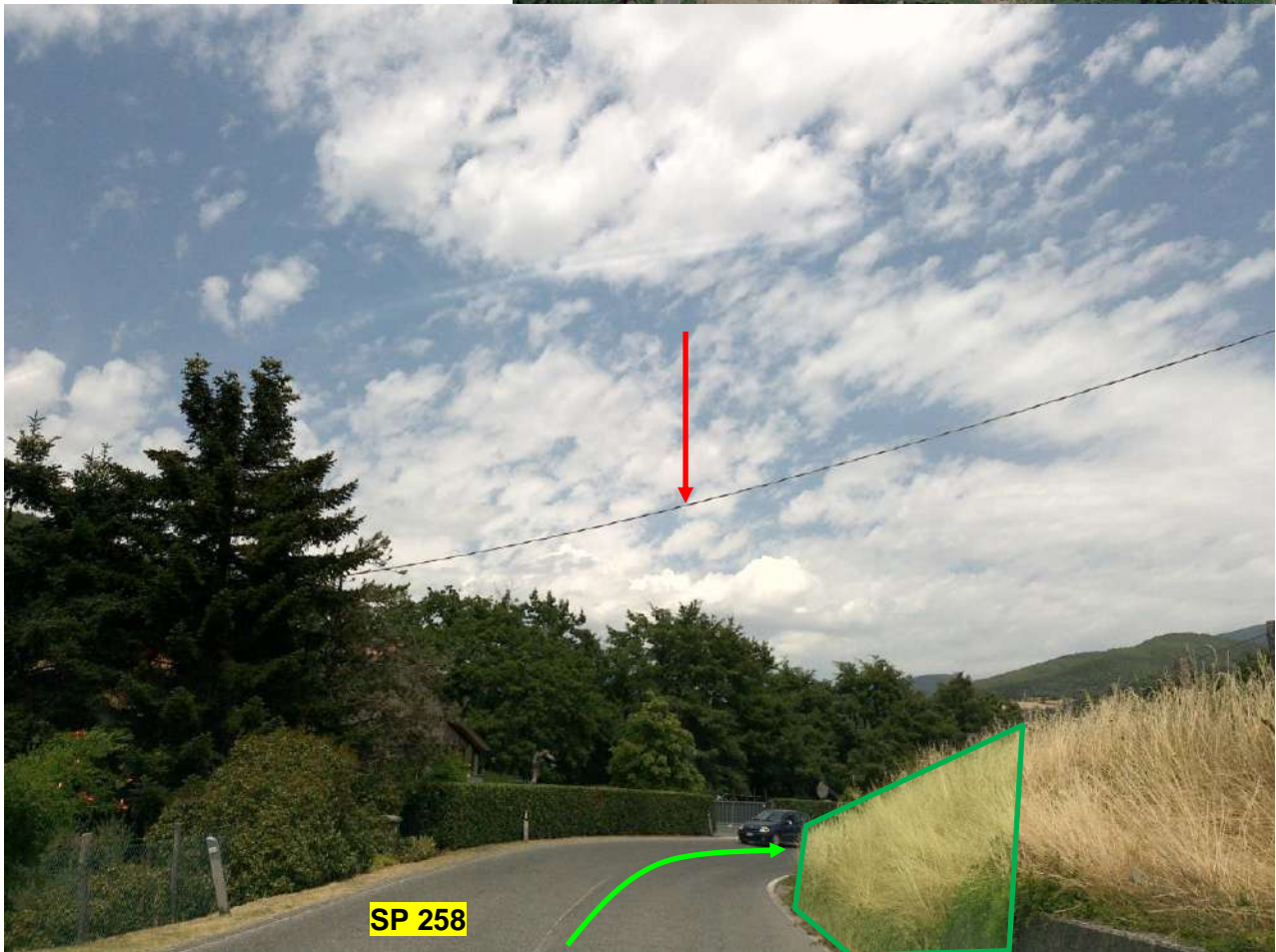
## Poggio (FC)

### Observation 38

No.1 cable has to be buried.

Vegetation on the right side has to be cut for entire curving radius.

N 43.613730° E 12.114850°



Poggio (FC)

Observation 39.01

Guardrail has to be removed.

N 43.614186° E 12.115936°



## Poggio (FC)

### Observation 39.02

The maximum bearing capacity of the bridge has to be checked.

N 43.614211° E 12.116183°



*Poggio (FC)*

**Observation 40**

No.1 three-wire cable has to be buried.

**N 43.616086° E 12.117658°**

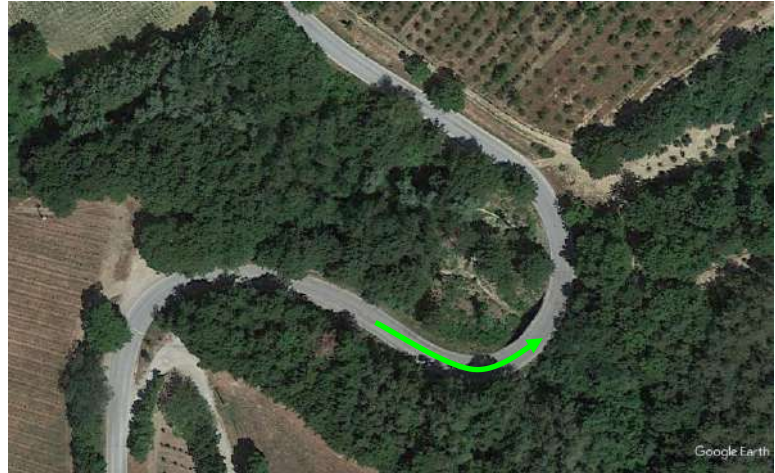


*Poggio (FC)*

**Observation 41.01**

Widen and make accessible on the right side for 3x30m.

**N 43.616188° E 12.118738°**



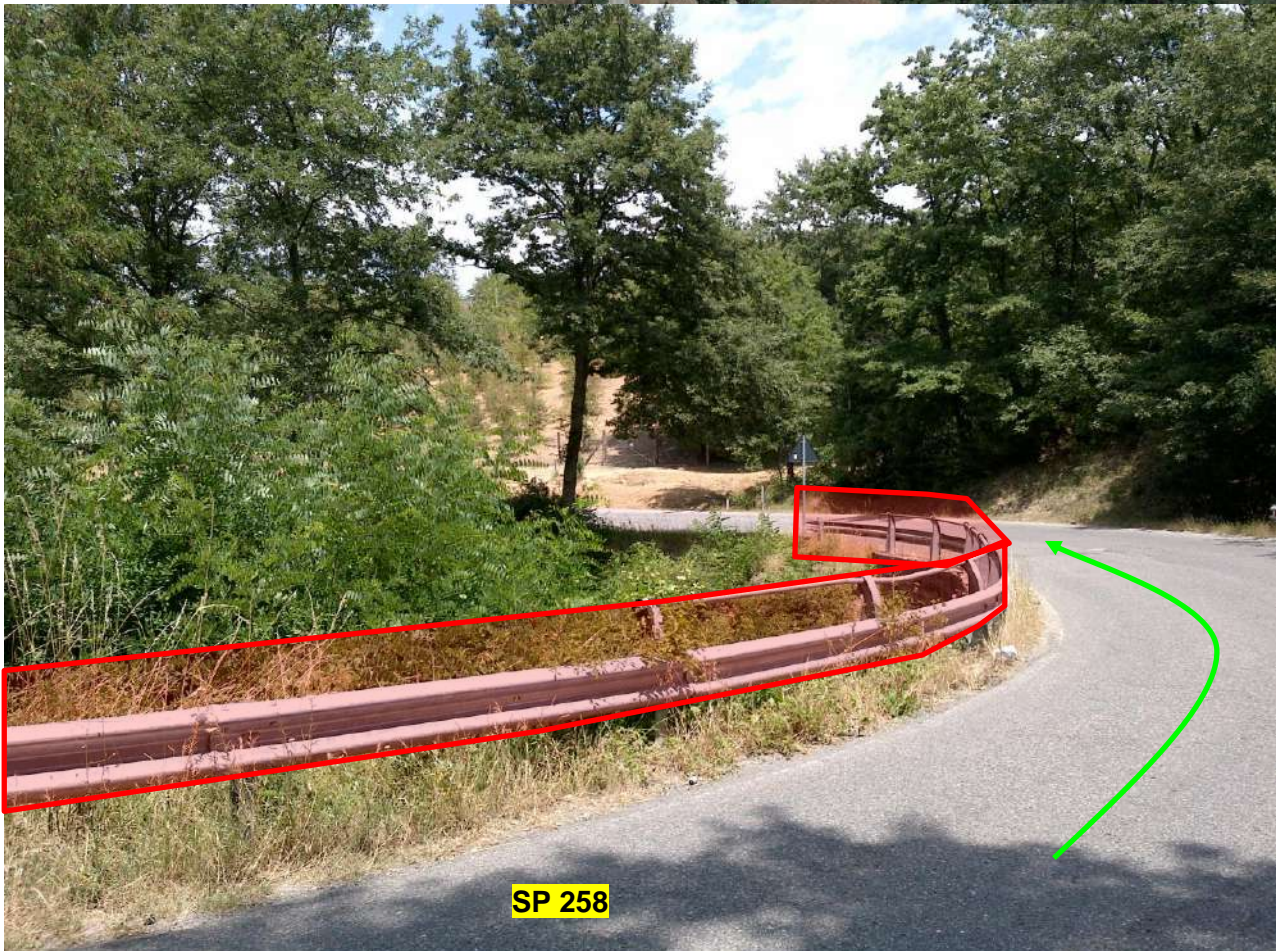


*Poggio (FC)*

**Observation 41.02**

Guardrail on the left side has to be removed.

**N 43.616147° E 12.118893°**

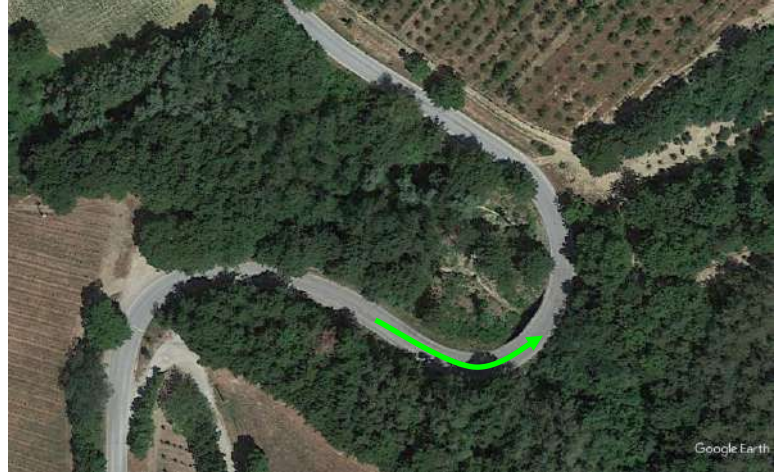


## Poggio (FC)

### Observation 41.03

The maximum bearing capacity of the bridge has to be checked.

N 43.616391° E 12.119355°

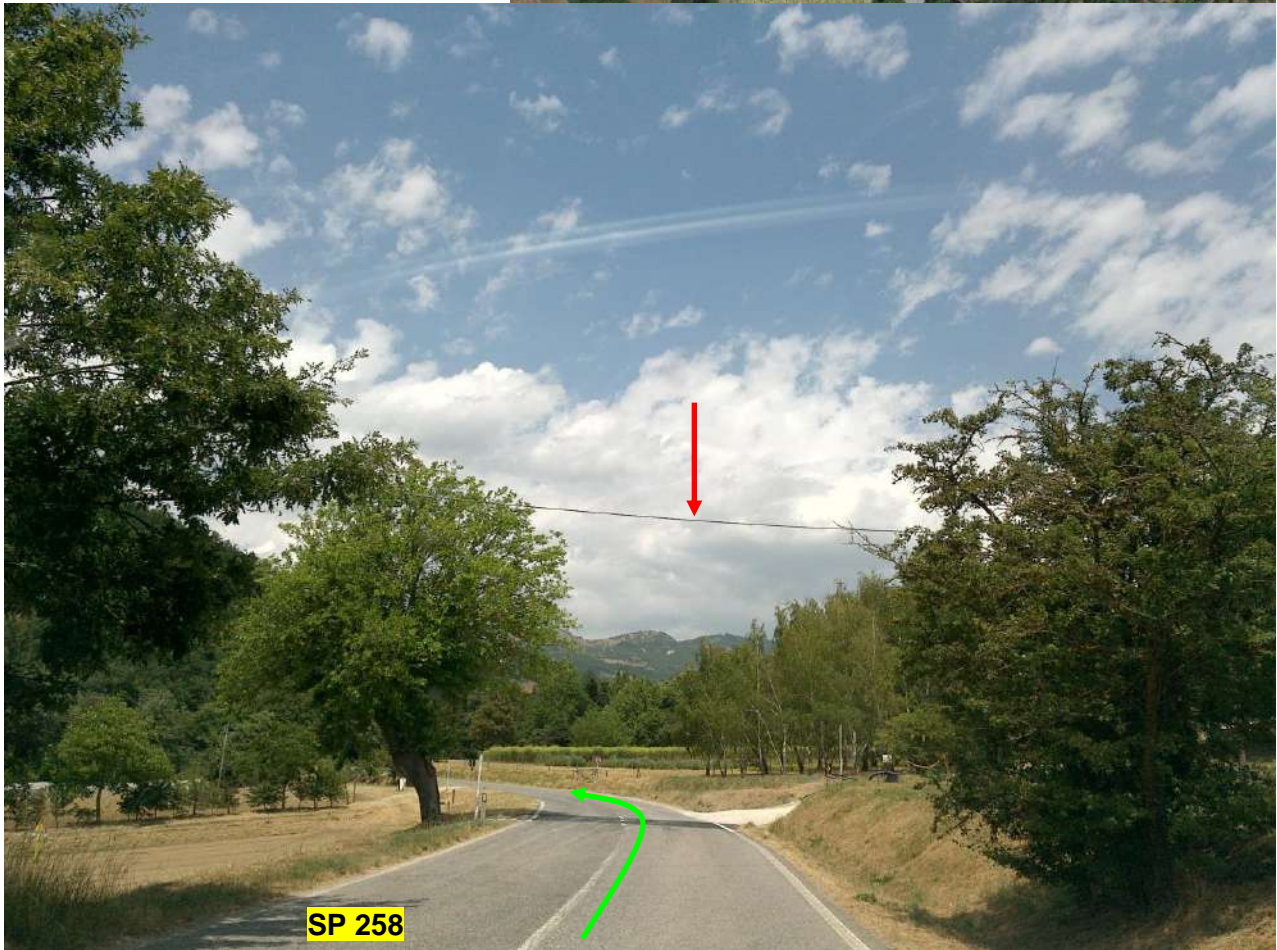


Poggio (FC)

Observation 42

No.1 cable has to be buried.

N 43.618099° E 12.117711°



## Poggio (FC)

### Observation 43

The maximum bearing capacity of the bridge has to be checked.  
No.2 cables have to be buried.

N 43.620386° E 12.118224°



## Poggio (FC)

### Observation 44

No.2 cables have to be buried.

N 43.625763° E 12.118799°



## Poggio (FC)

### Observation 45

The maximum bearing capacity of the bridge has to be checked.

N 43.627024° E 12.118602°

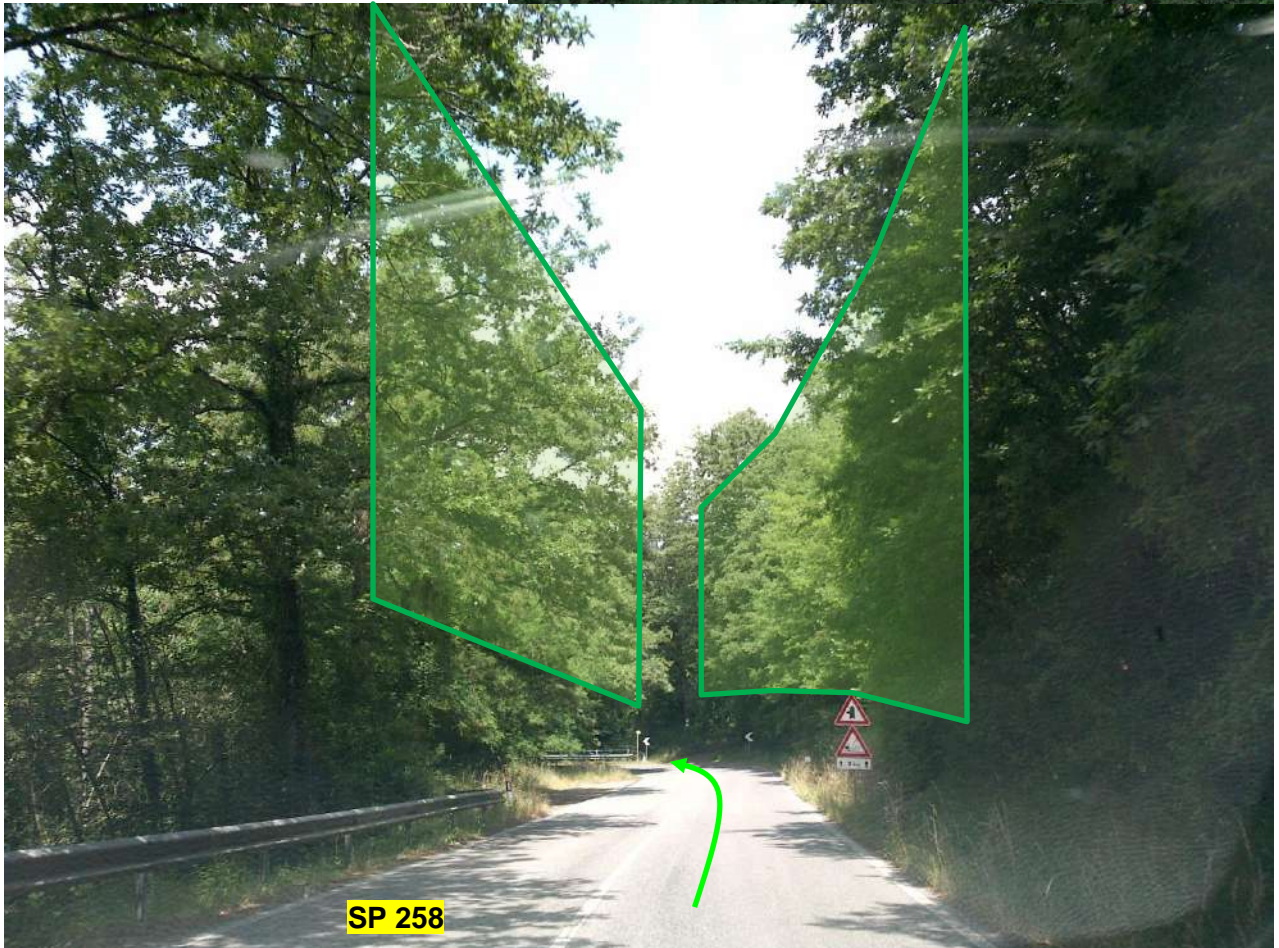


*Poggio (FC)*

**Observation 46**

Tree branches jutting out on the road have to be cut.

**N 43.630116° E 12.117038°**

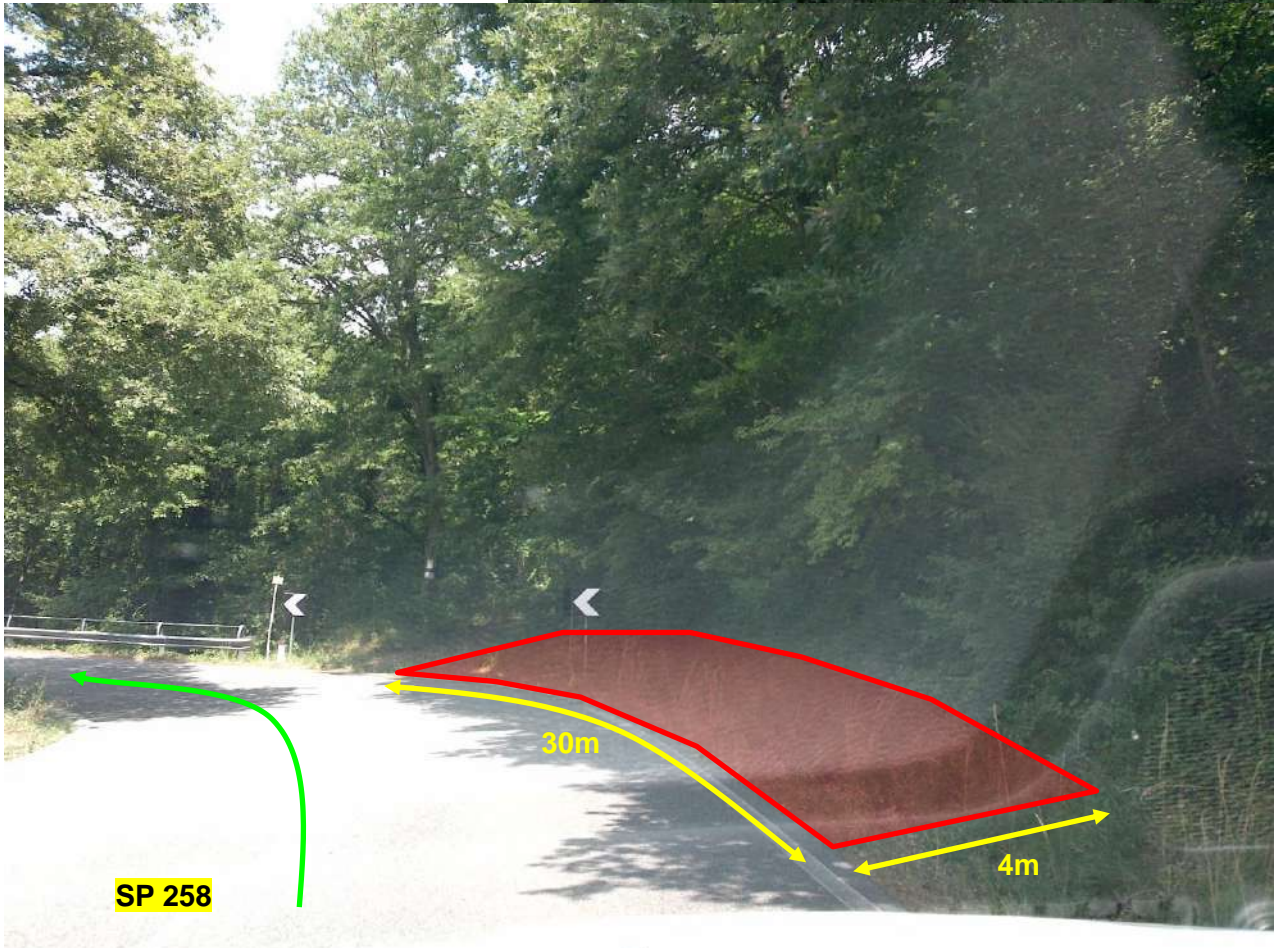


*Poggio (FC)*

**Observation 47.01**

The road on the right side has to be widened and made accessible for 4x30m.

**N 43.630638° E 12.117363°**



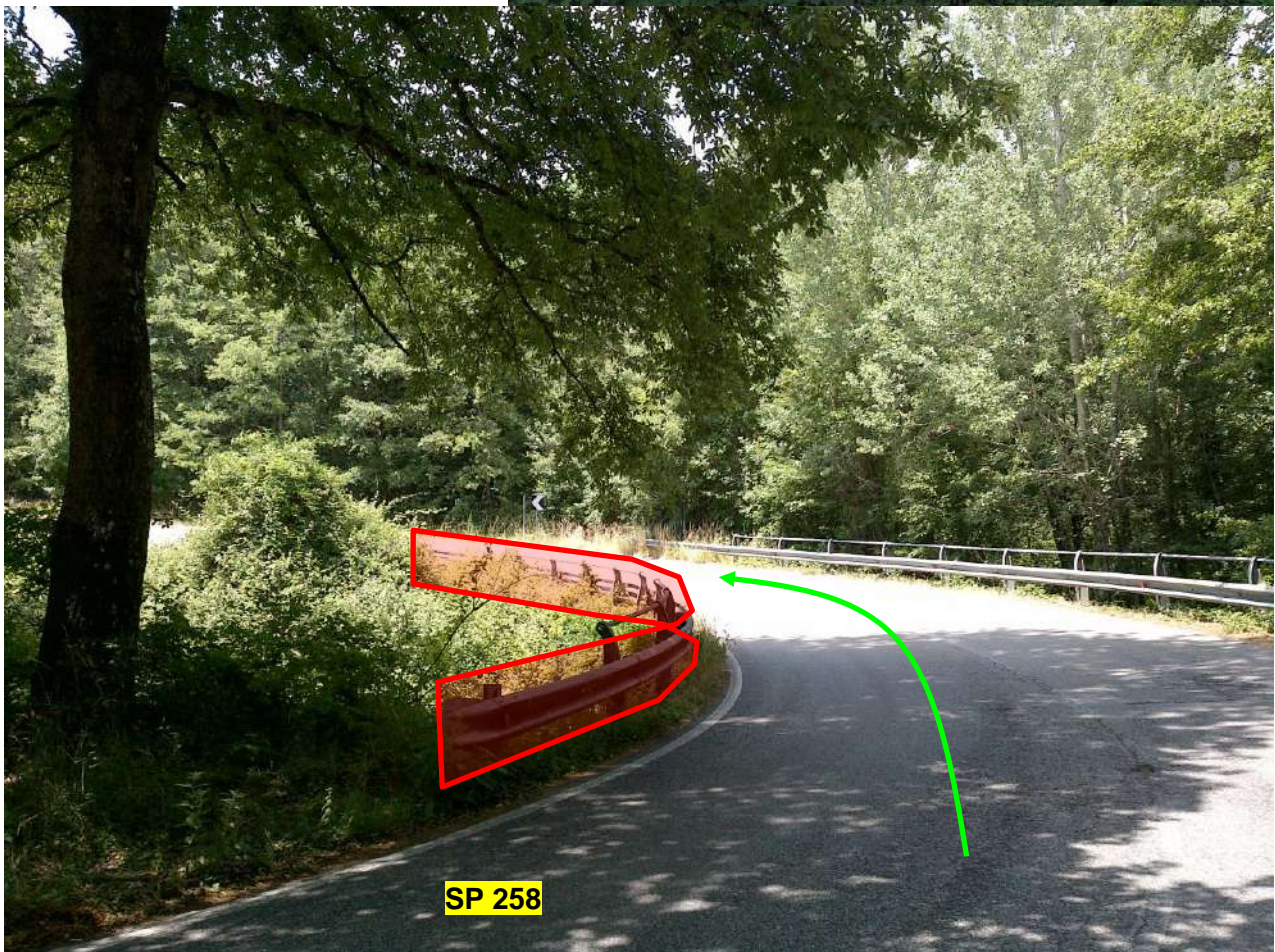


## Poggio (FC)

### Observation 47.02

The maximum bearing capacity of the bridge has to be checked.  
Guardrail and vegetation on the left side have to be removed.

N 43.630788° E 12.117461°



## Poggio (FC)

### Observation 48

The road on the right side has to be widened and made accessible for 7 meters for entire curving radius.

Trees have to be removed.

N 43.630944° E 12.116802°

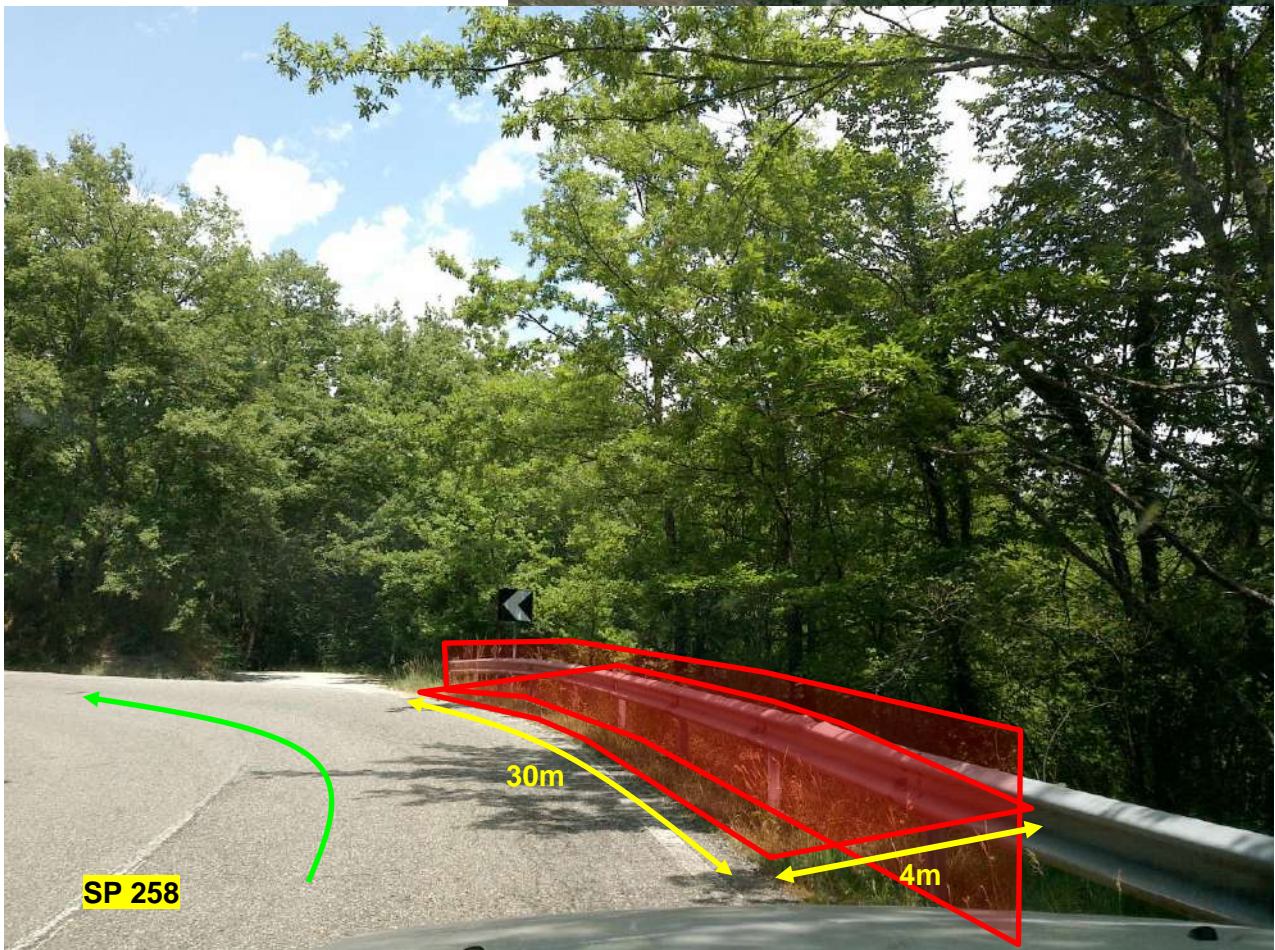


## Poggio (FC)

### Observation 49.01

The road on the right side has to be widened and made accessible for 4x30m.  
Guardrail has to be removed.

N 43.633449° E 12.117797°

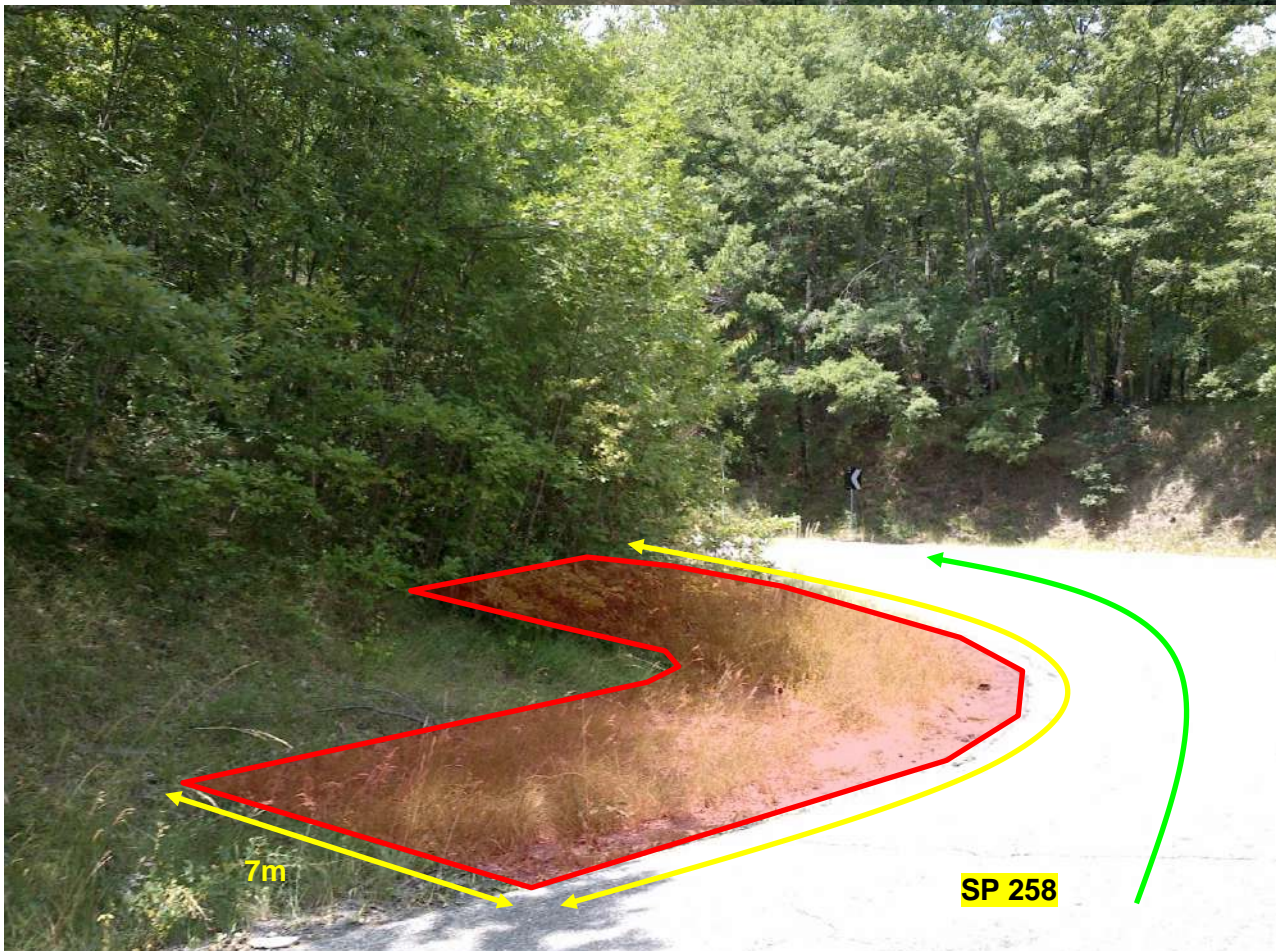


## Poggio (FC)

### Observation 49.02

The road on the left side has to be widened and made accessible for 7 meters for entire curving radius.

N 43.633533° E 12.117849°



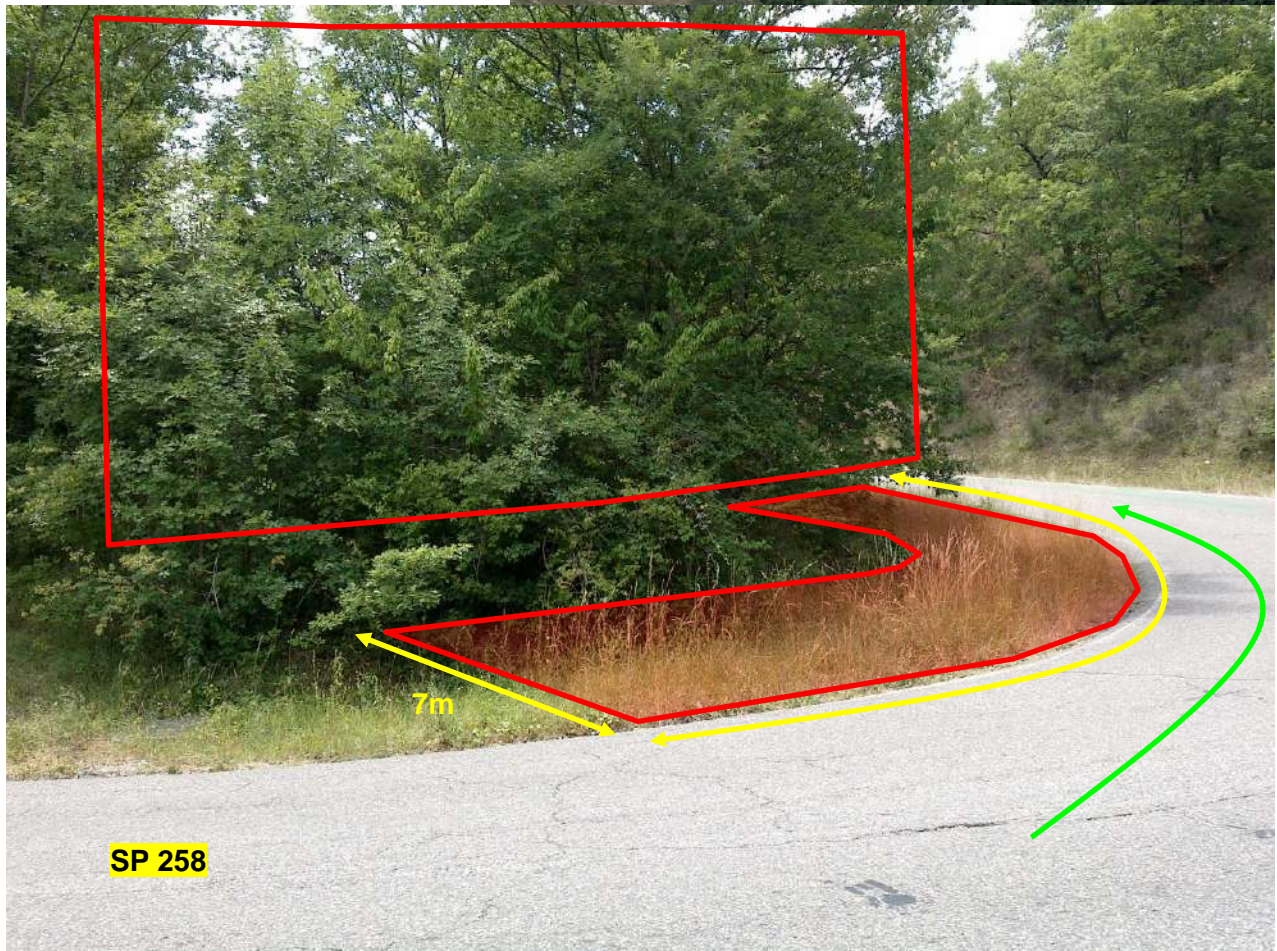
## Poggio (FC)

### Observation 49.03

The road on the left side has to be widened and made accessible for 7 meters for entire curving radius.

Trees have to be removed.

**N 43.633716° E 12.117911°**

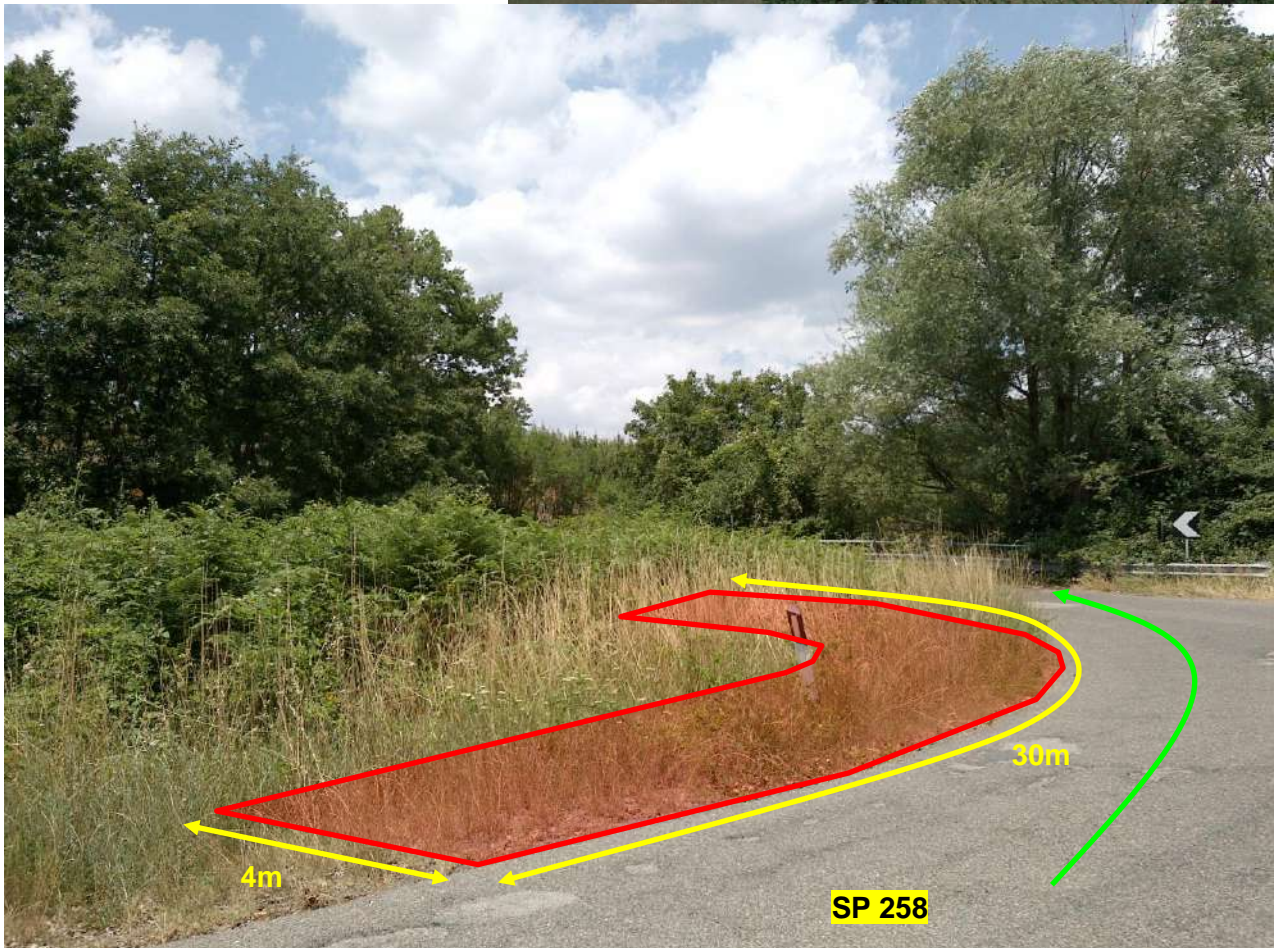


*Poggio (FC)*

**Observation 50.01**

The road on the left side has to be widened and made accessible for 4x30m.

**N 43.635602° E 12.114197°**



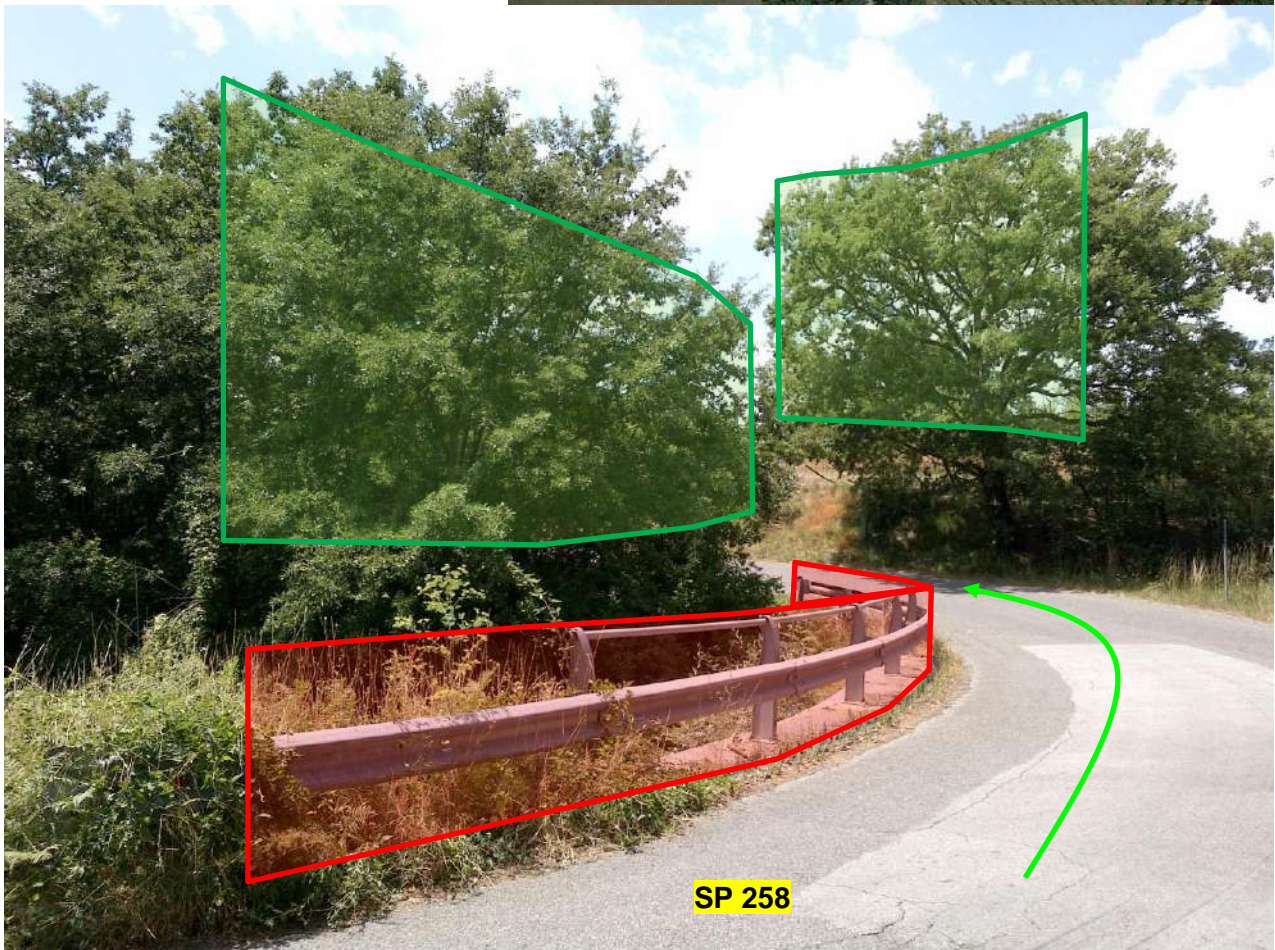
## Poggio (FC)

### Observation 50.02

Guardrail has to be removed.

Tree branches jutting out on the road on both sides have to be cut.

N 43.635830° E 12.114202°



## Poggio (FC)

### Observation 50.03

The maximum bearing capacity of the bridge has to be checked.

N 43.635938° E 12.113808°



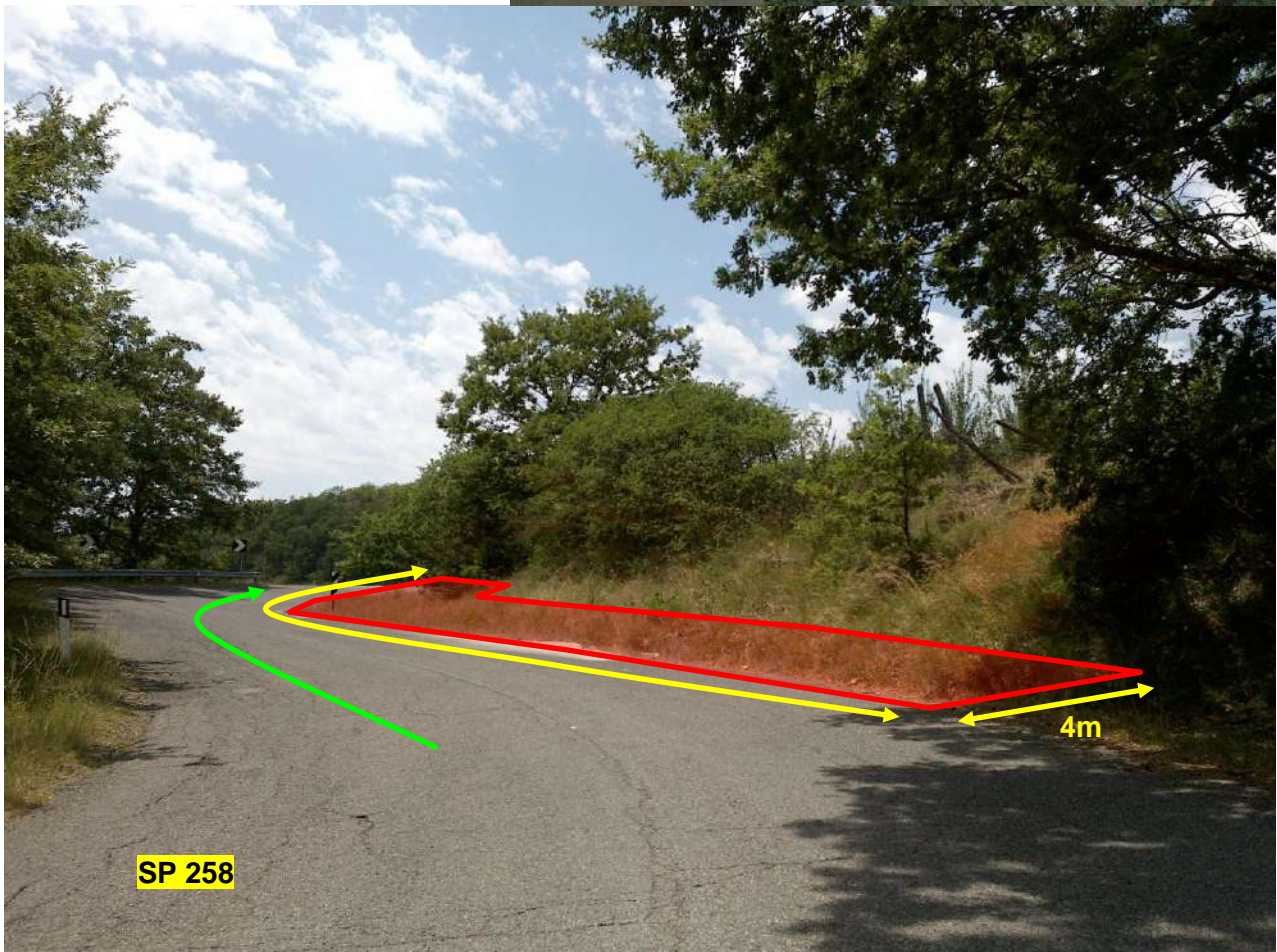


*Poggio (FC)*

**Observation 51**

The road on the right side has to be widened and made accessible for 4 meters for entire curving radius.

**N 43.635963° E 12.113883°**

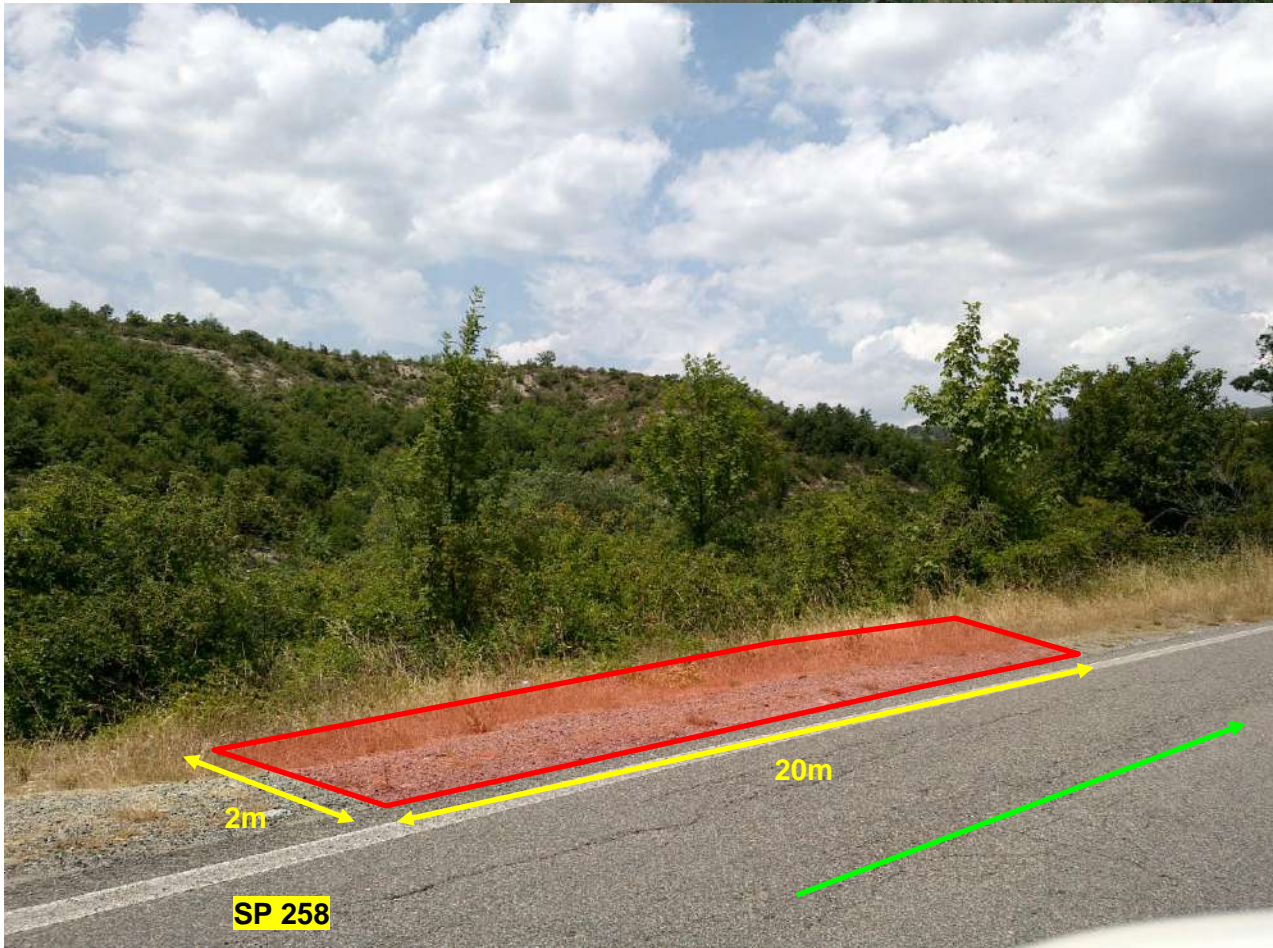


*Poggio (FC)*

**Observation 52**

The road on the left side has to be widened and made accessible for 2x20m.

**N 43.635883° E 12.113202°**



*Poggio (FC)*

**Observation 53**

No.1 three-wire cable has to be buried.

**N 43.638758° E 12.113083°**



Poggio (FC)

**Observation 54.01**

The road on the right side has to be widened and made accessible for 3x30m.

Road signs have to be removed.

**N 43.639833° E 12.112647°**



*Poggio (FC)*

**Observation 54.02**

Guardrail on the left side has to be removed.

**N 43.640063° E 12.112702°**



## Poggio (FC)

### Observation 54.03

The maximum bearing capacity of the bridge has to be checked.

N 43.639991° E 12.112658°



## Poggio (FC)

### Observation 55

The road on the right has to be widened and made practicable for 2m in depth for entire curving radius.

N 43.639974° E 12.110497°



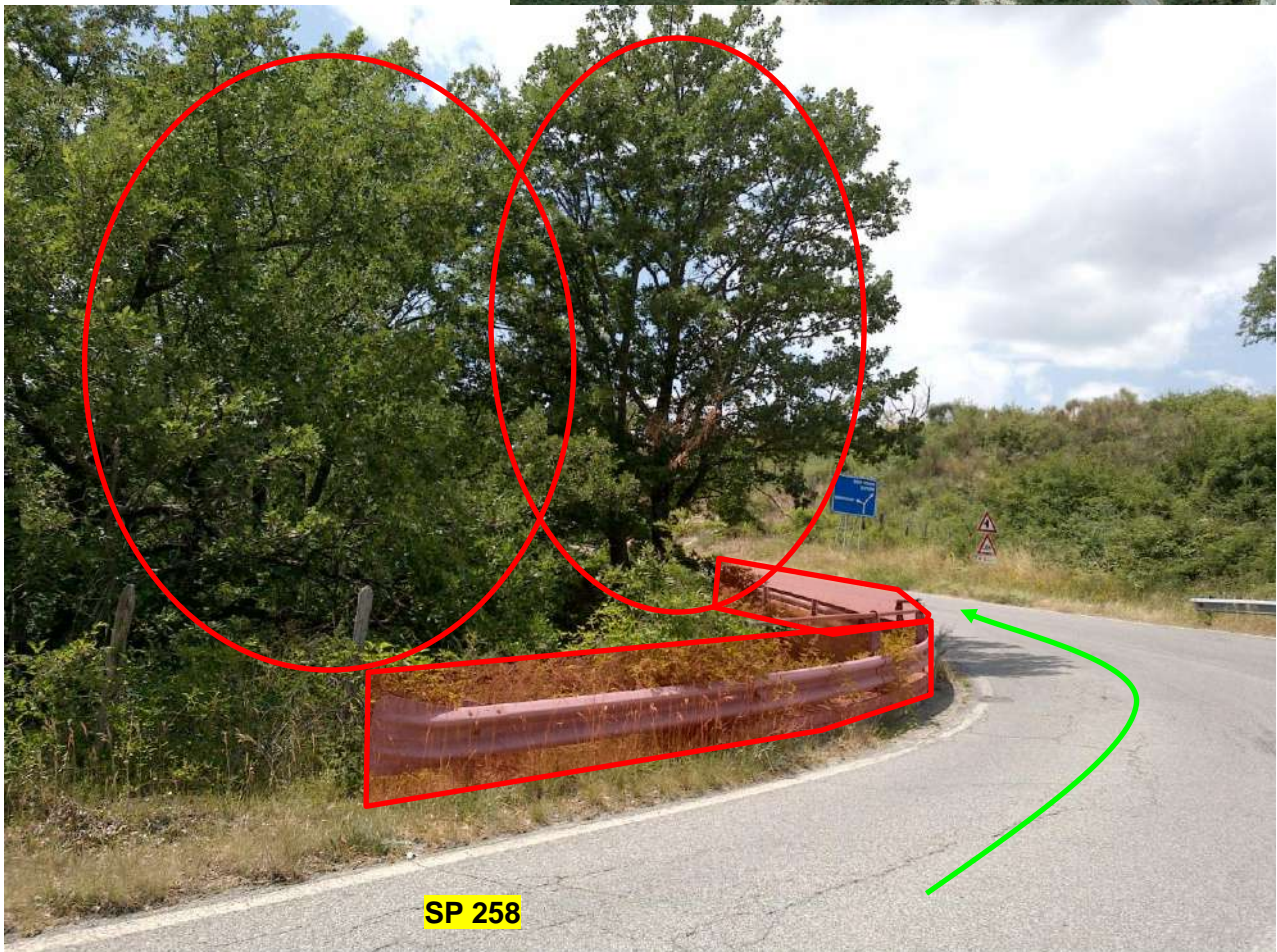
## Poggio (FC)

### Observation 56

Guardrail on the left side has to be removed.

No.2 trees have to be removed.

N 43.645438° E 12.105766°





Poggio (FC)

Observation 57.01

The road on the right side has to be widened and made accessible for 15x40m.

N 43.647308° E 12.096141°



## Poggio (FC)

### Observation 57.02

The road on the right side has to be widened and made accessible for 15x40m.

N 43.647308° E 12.095694°



Poggio (FC)

Observation 57.03

No.1 tree has to be cut.

N 43.647352° E 12.095605°



*Poggio (FC)*

**Observation 58**

The road on the right has to be widened for 2m in depth for entire curving radius.

**N 43.648513° E 12.096361°**

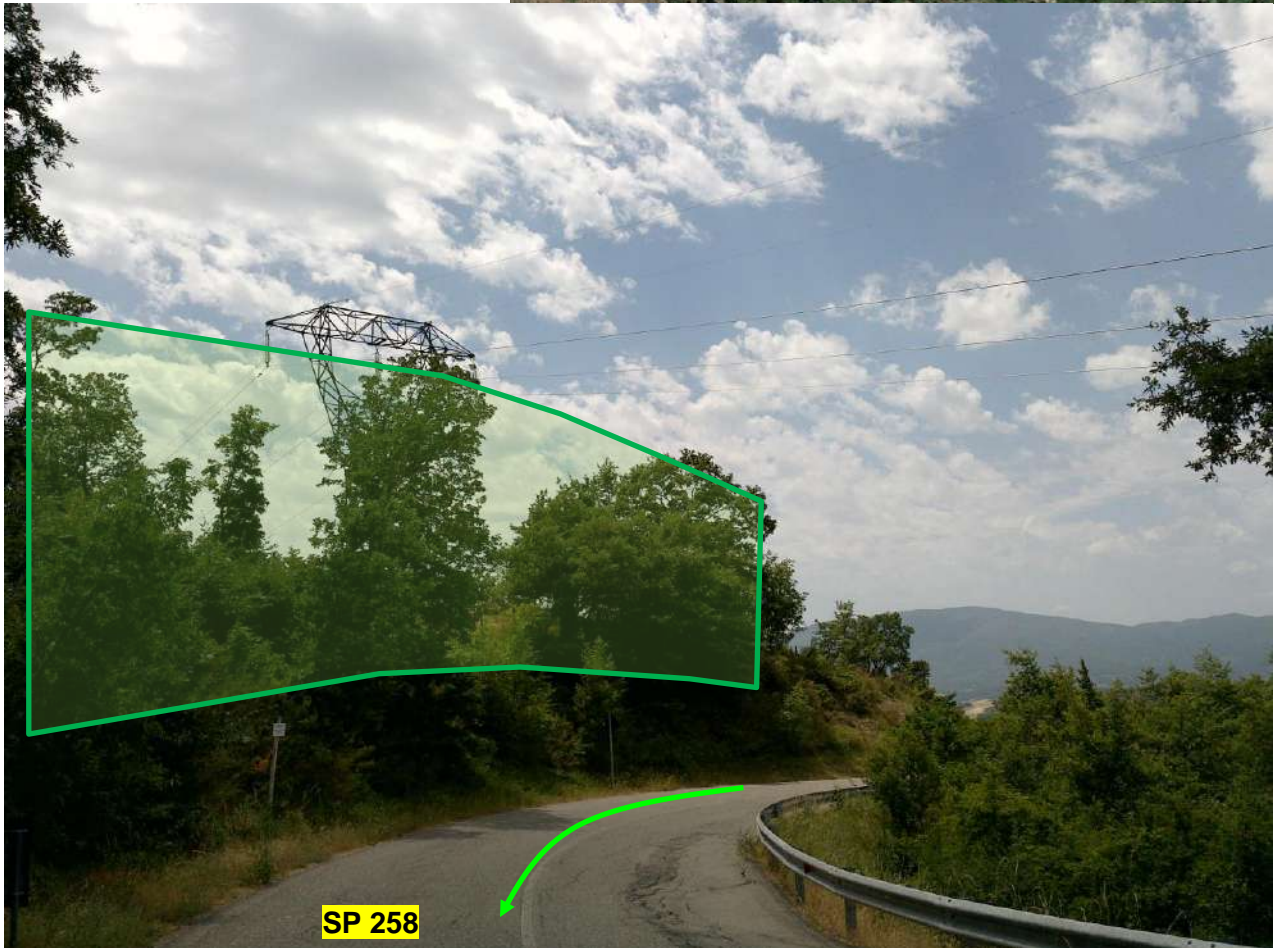


*Poggio (FC)*

**Observation 59.01**

Trees have to be cut.

**N 43.649869° E 12.097908°**

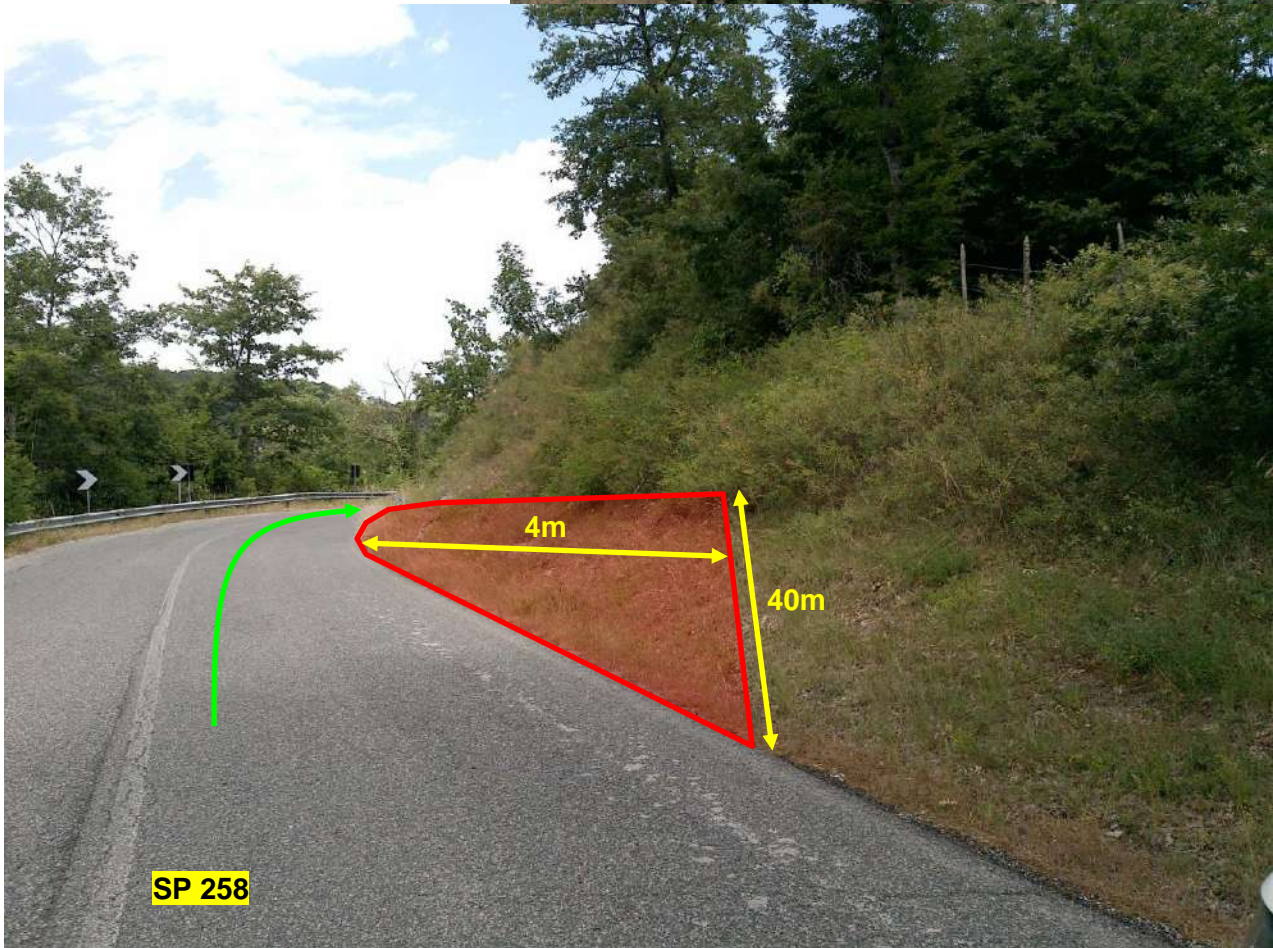


## Poggio (FC)

### Observation 59.02

The road on the right side has to be widened and made accessible for 4x40m.

**N 43.649877° E 12.097908°**

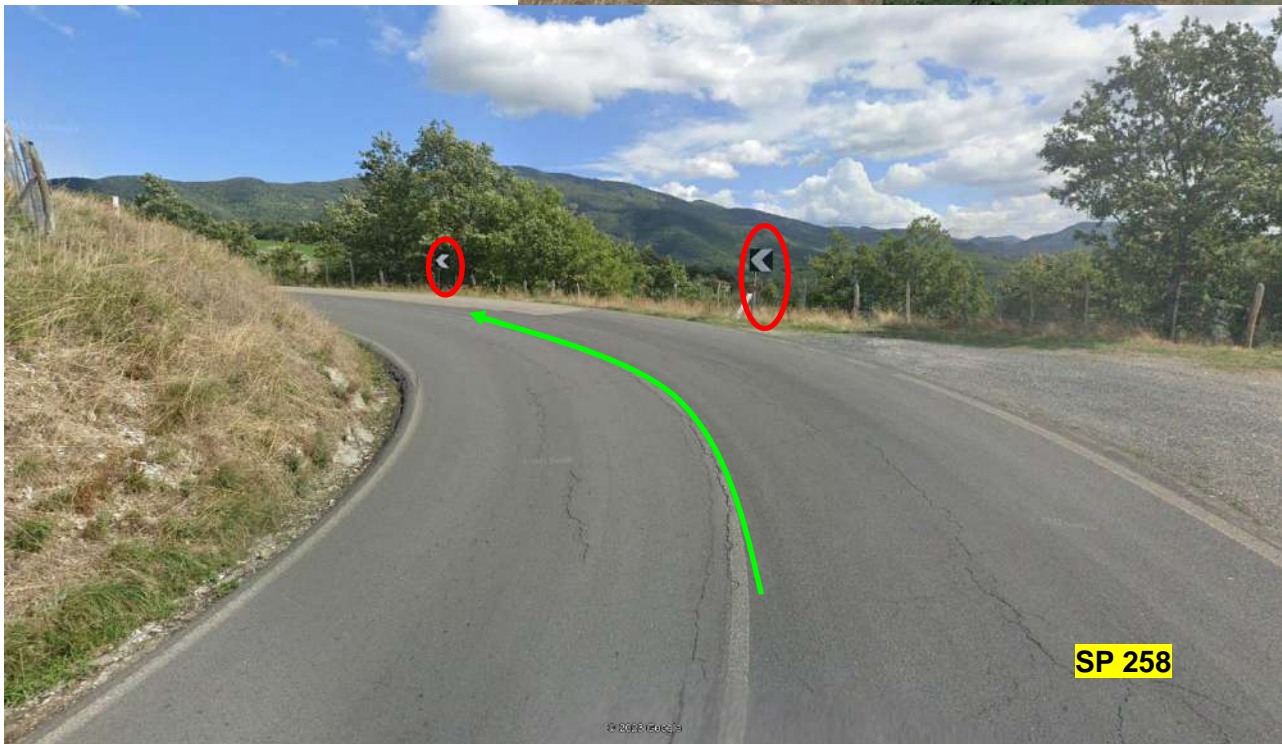


*Poggio (FC)*

**Observation 60**

No.2 road signs have to be removed.

**N 43.651386° E 12.107941°**



## Poggio (FC)

### Observation 61

The road on the left has to be widened for 3m in depth for entire curving radius.

N 43.653752° E 12.114266°





Poggio (FC)

Observation 62

No.1 cable has to be buried.

N 43.667855° E 12.114747°

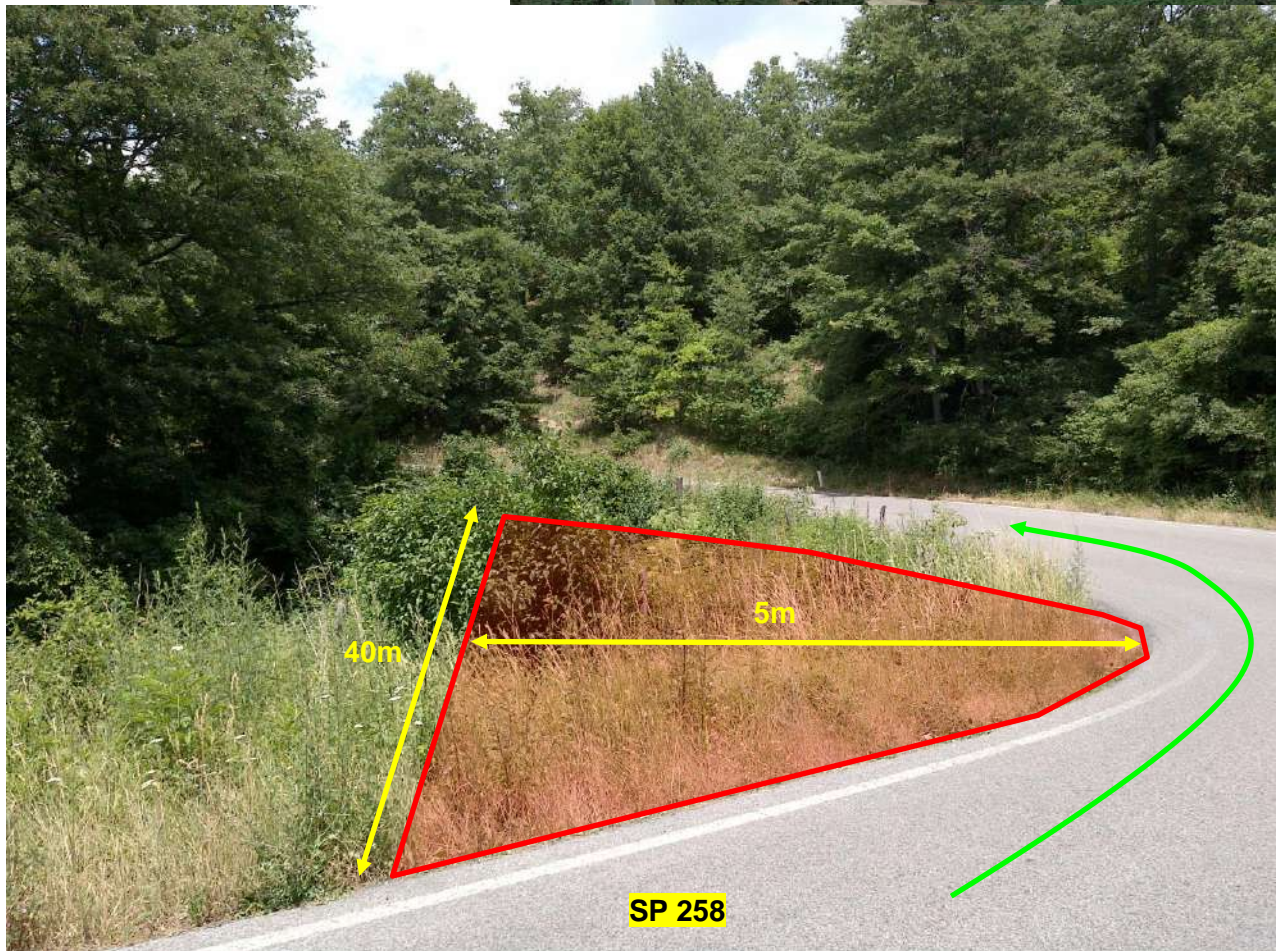


## Poggio (FC)

### Observation 63

The road on the left side has to be widened and made accessible for 5x40m.

N 43.670783° E 12.115777°



## Poggio (FC)

### Observation 64

The road on the right side has to be widened and made accessible for 2x40m.  
Tree branches jutting out on the road on the right have to be cut.

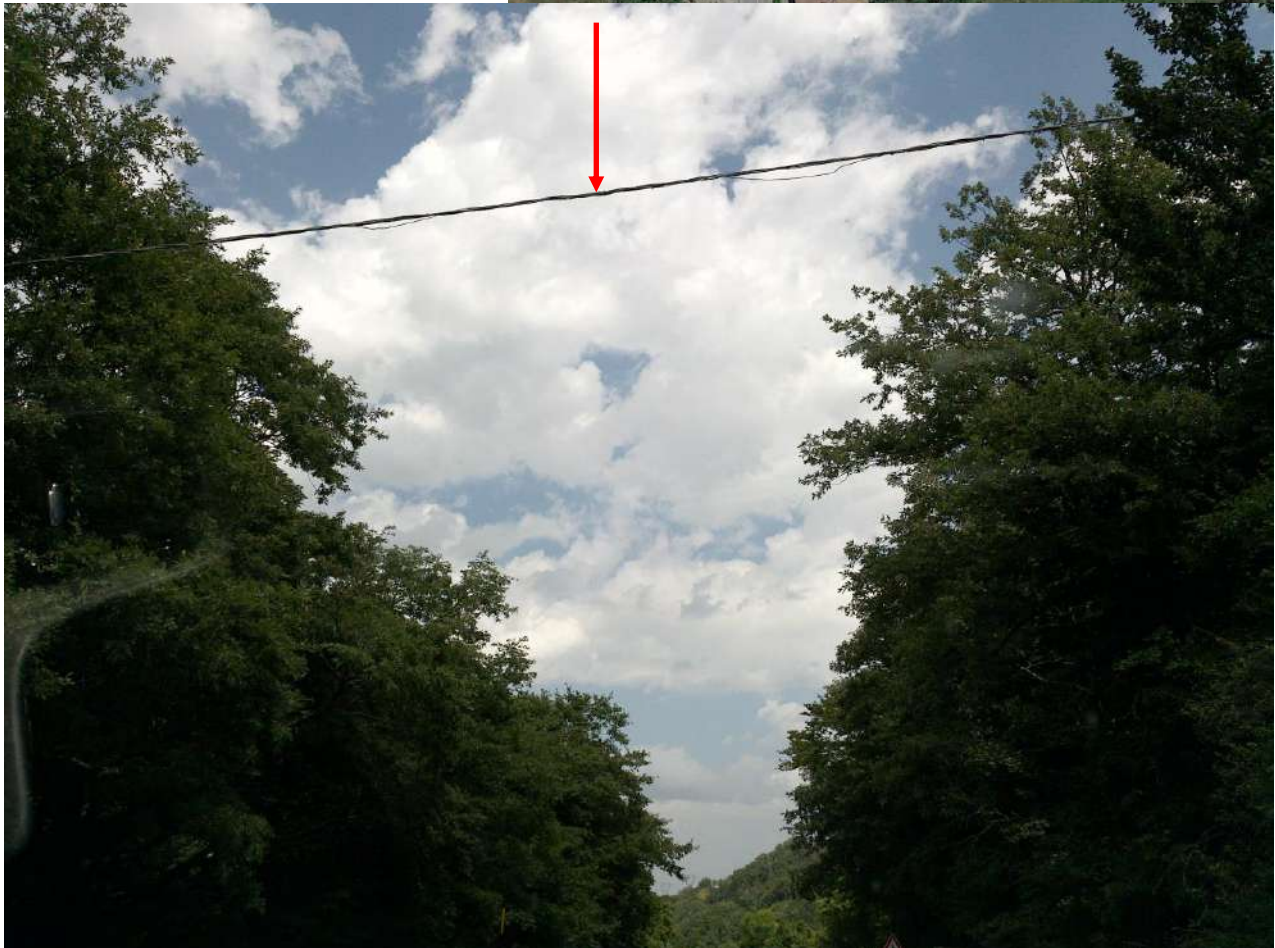
N 43.671811° E 12.115463°



*Poggio (FC)*

**Observation 65**

No.1 cable has to be buried.  
N 43.682691° E 12.116663°



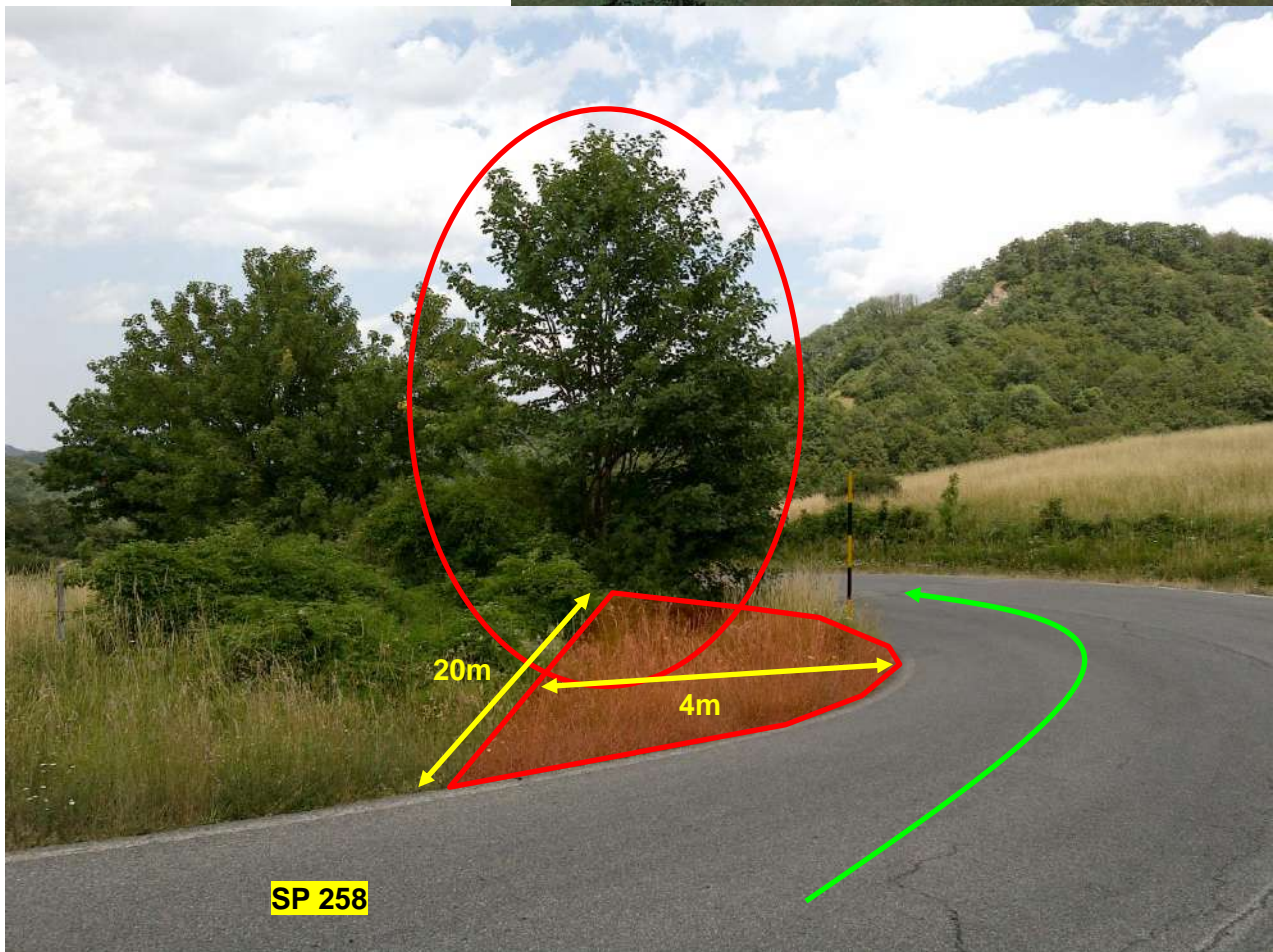
## Poggio (FC)

### Observation 66

The road on the left side has to be widened and made accessible for 4x20m.

No.1 tree has to be removed.

N 43.683644° E 12.120016°



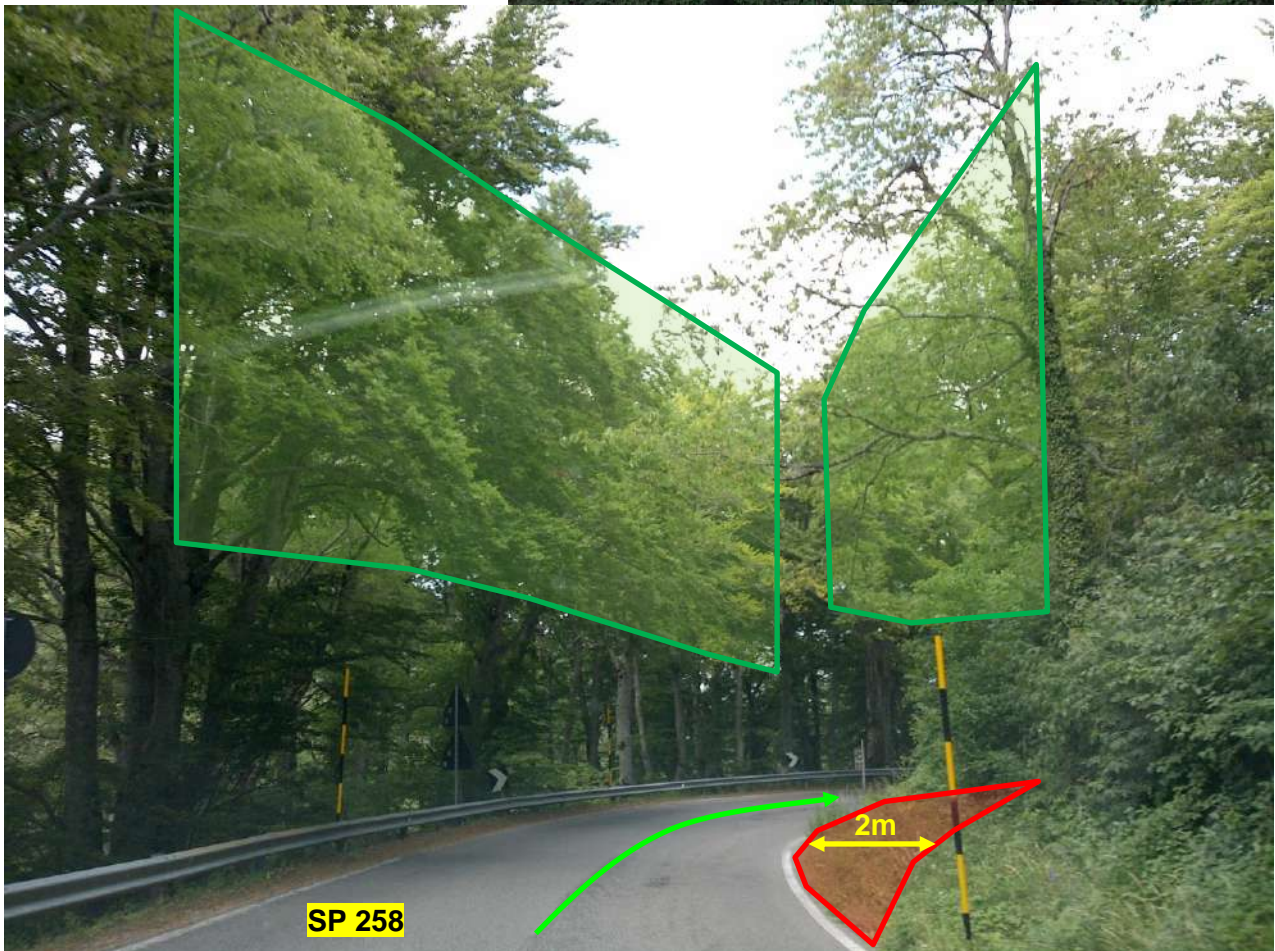
## Poggio (FC)

### Observation 67

The road on the right has to be widened and made accessible for 2m in depth for entire curving radius.

Tree branches jutting out on the road have to be cut.

N 43.690383° E 12.129141°



*Poggio (FC)*

**Observation 68**

No.2 cables have to be buried.

N 43.692038° E 12.134097°

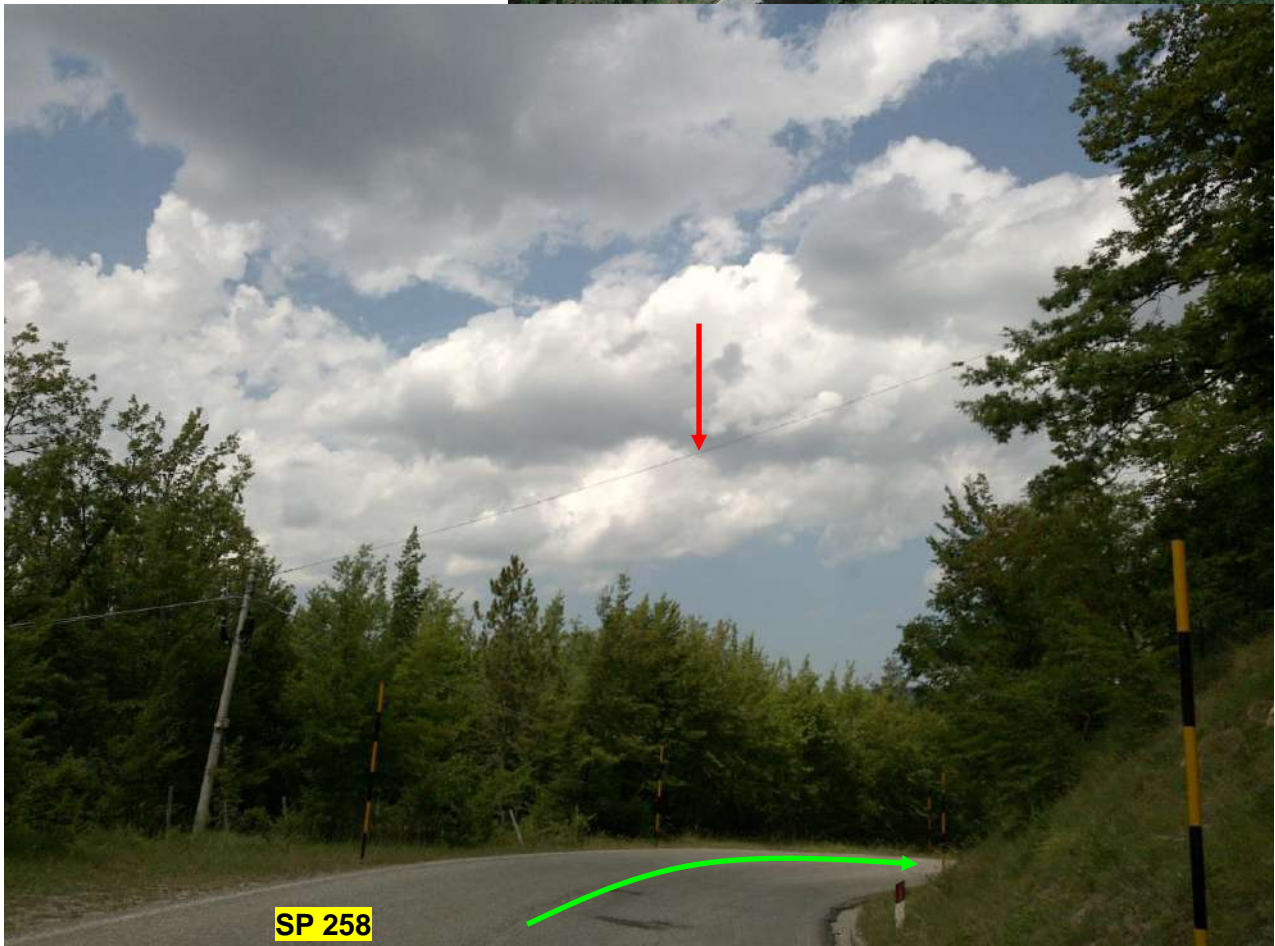


*Poggio (FC)*

**Observation 69**

No.1 cable has to be buried.

**N 43.694222° E 12.135944°**





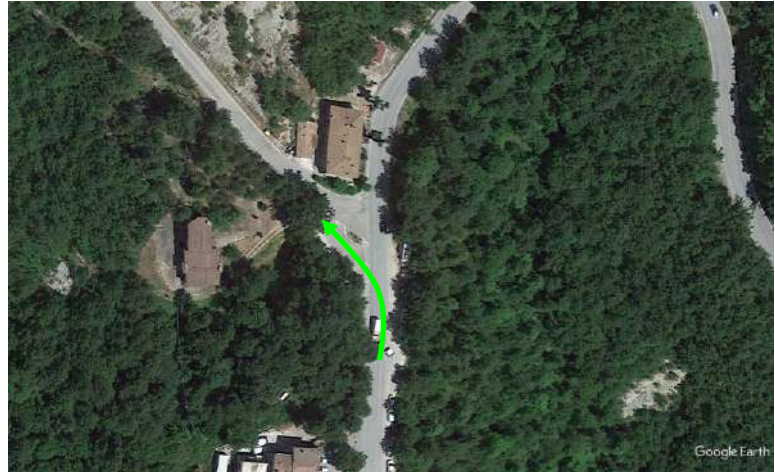
*Poggio (FC)*

**Observation 70**

Turn left to Via Alto Marecchia.

Tree branches jutting out on the road have to be cut.

**N 43.703933° E 12.138613°**

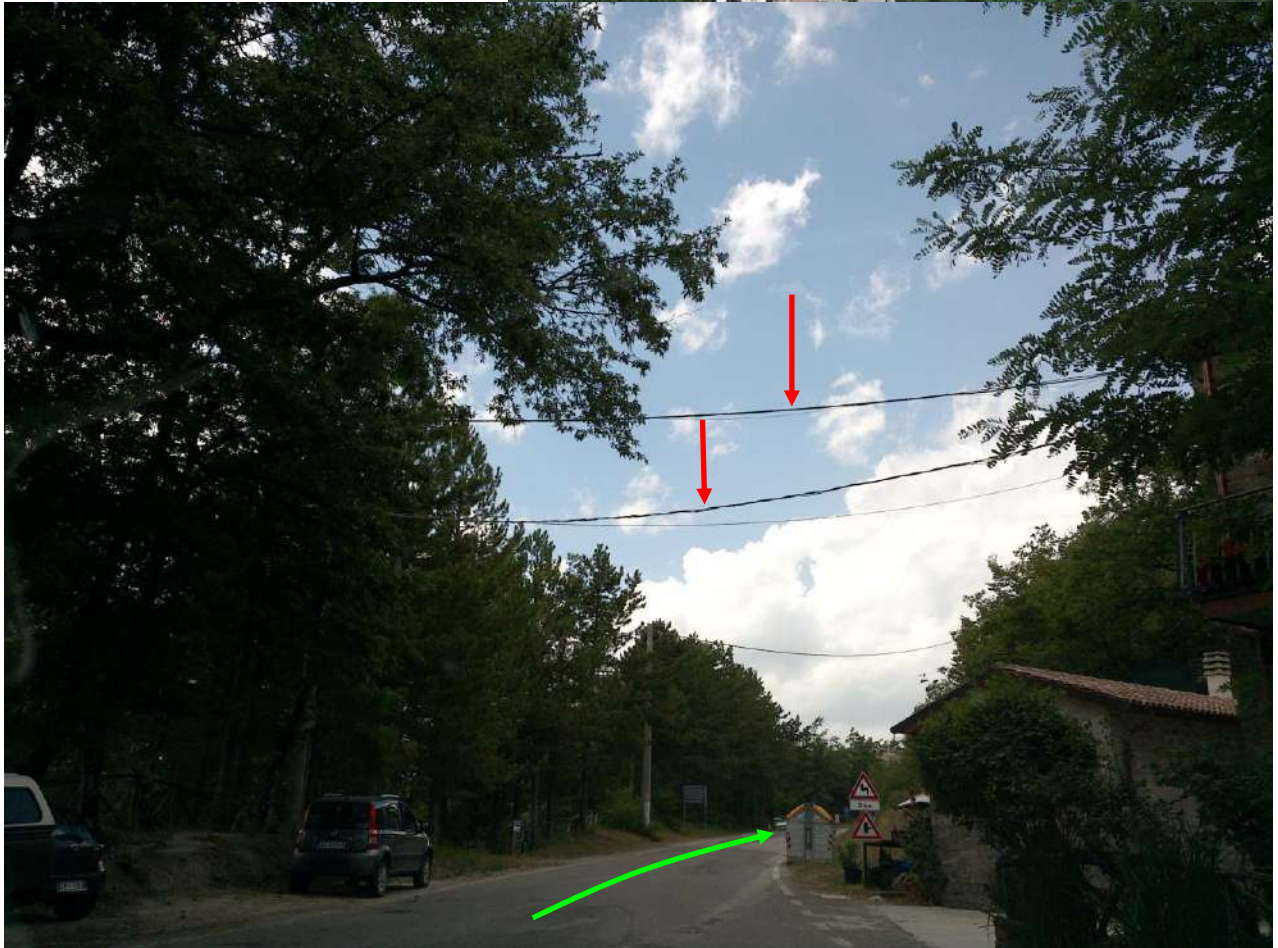
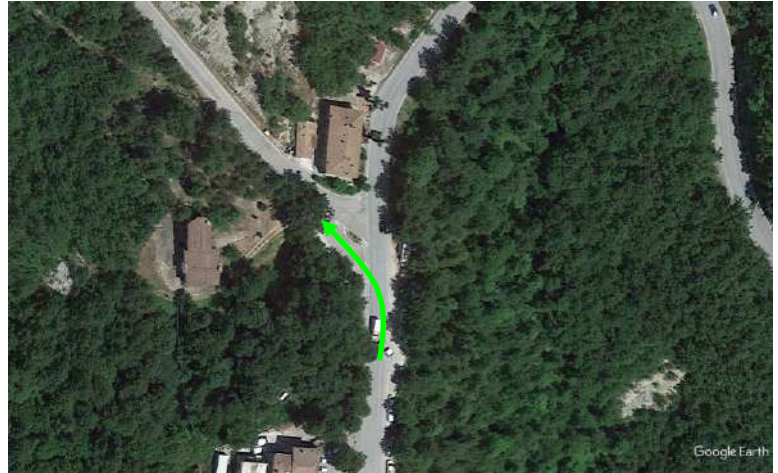


## Poggio (FC)

### Observation 71.01

No.2 cables have to be buried.

N 43.704313° E 12.138486°



*Poggio (FC)*

**Observation 71.02**

No.2 cables have to be buried.

**N 43.704441° E 12.138291°**

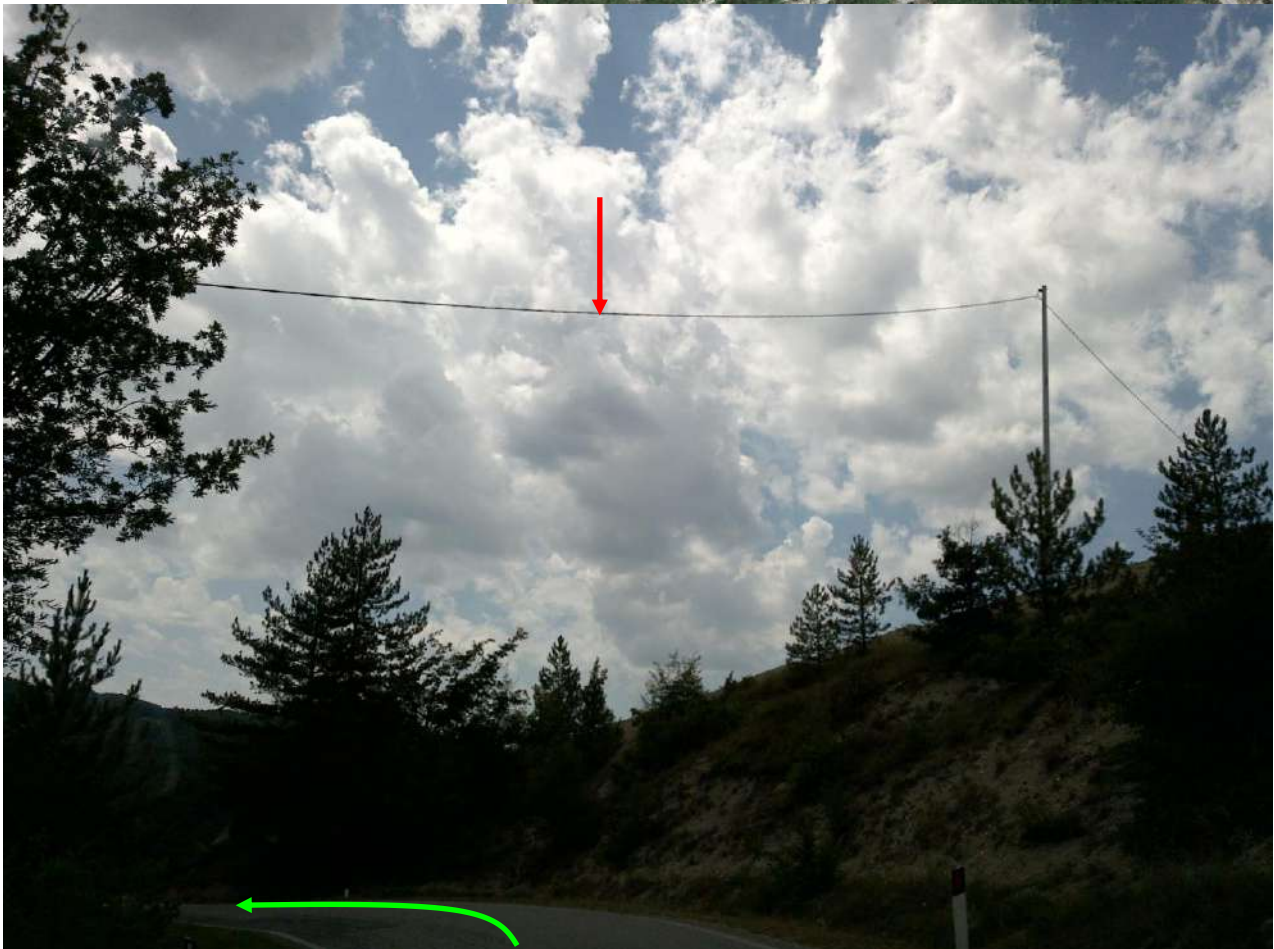


*Poggio (FC)*

**Observation 72**

No.1 cable has to be buried.

**N 43.705408° E 12.136488°**

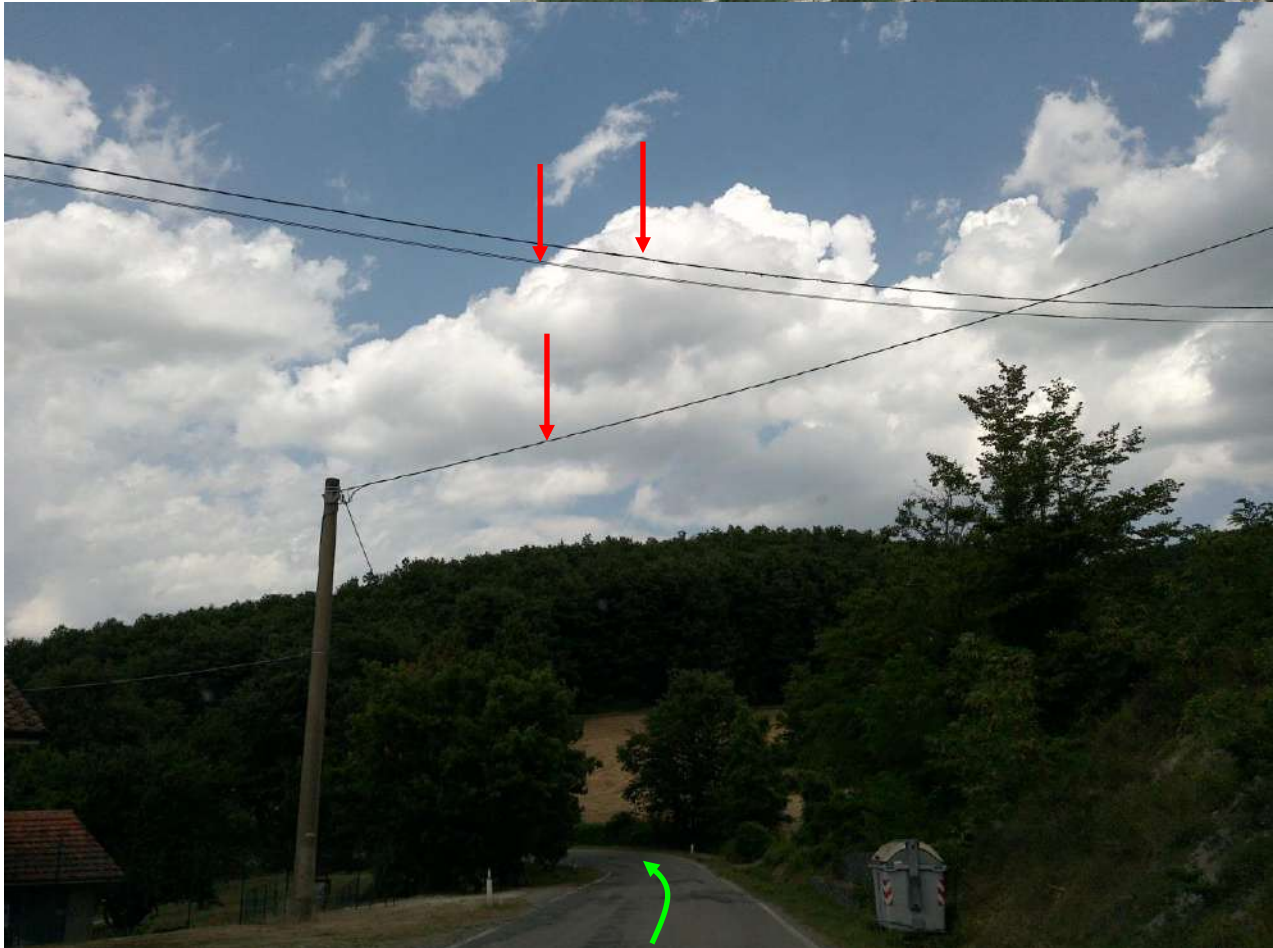


*Poggio (FC)*

**Observation 73**

Three cables have to be buried.

**N 43.705516° E 12.135102°**



Poggio (FC)

Observation 74

No.1 three-wire cable has to be buried.

N 43.706347° E 12.135488°



*Poggio (FC)*

**Observation 75**

No.2 cables have to be buried.

**N 43.707952° E 12.133313°**

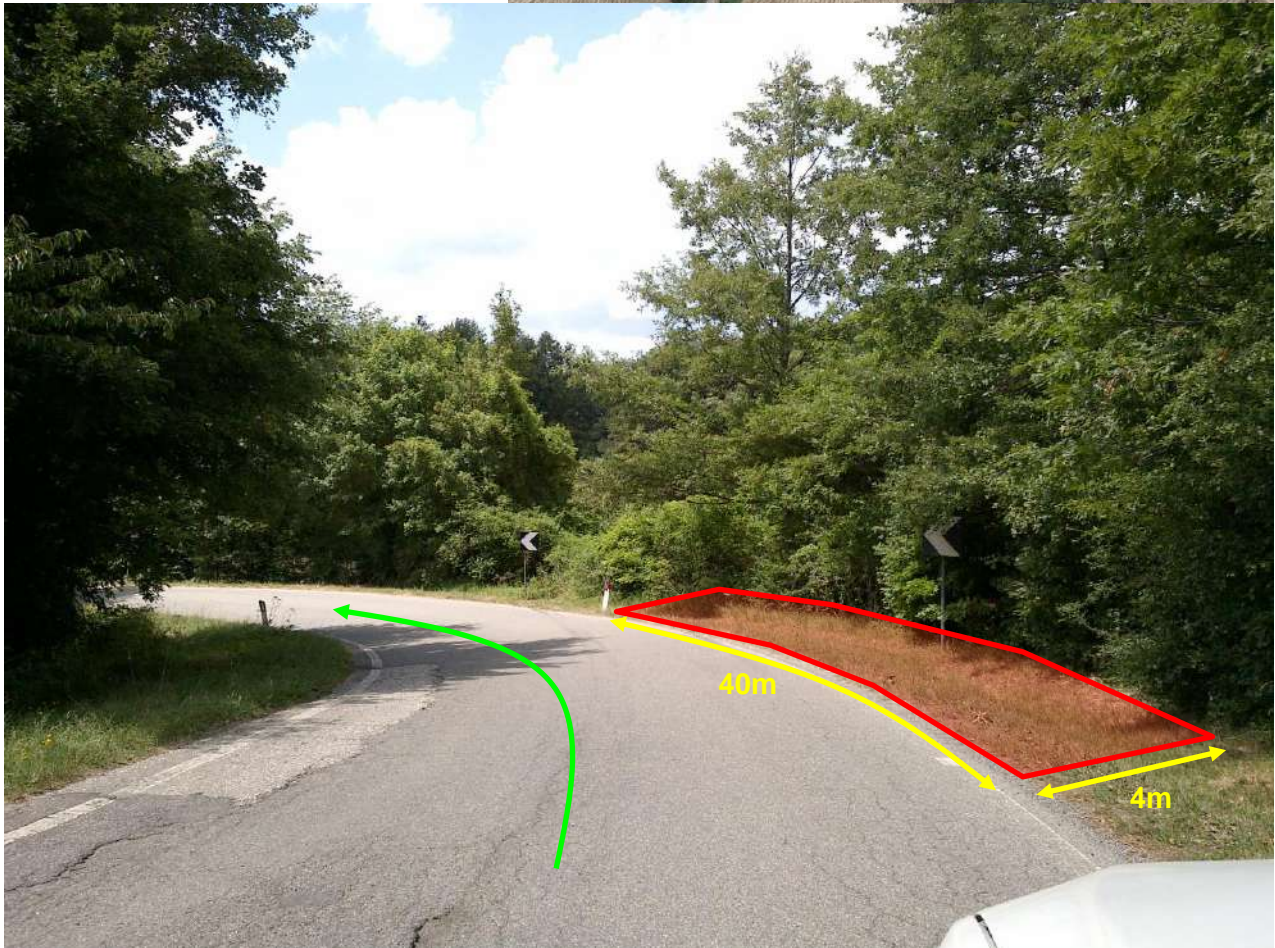


## Poggio (FC)

### Observation 76

The road on the right side has to be widened and made accessible for 4x4m.

N 43.708236° E 12.133161°



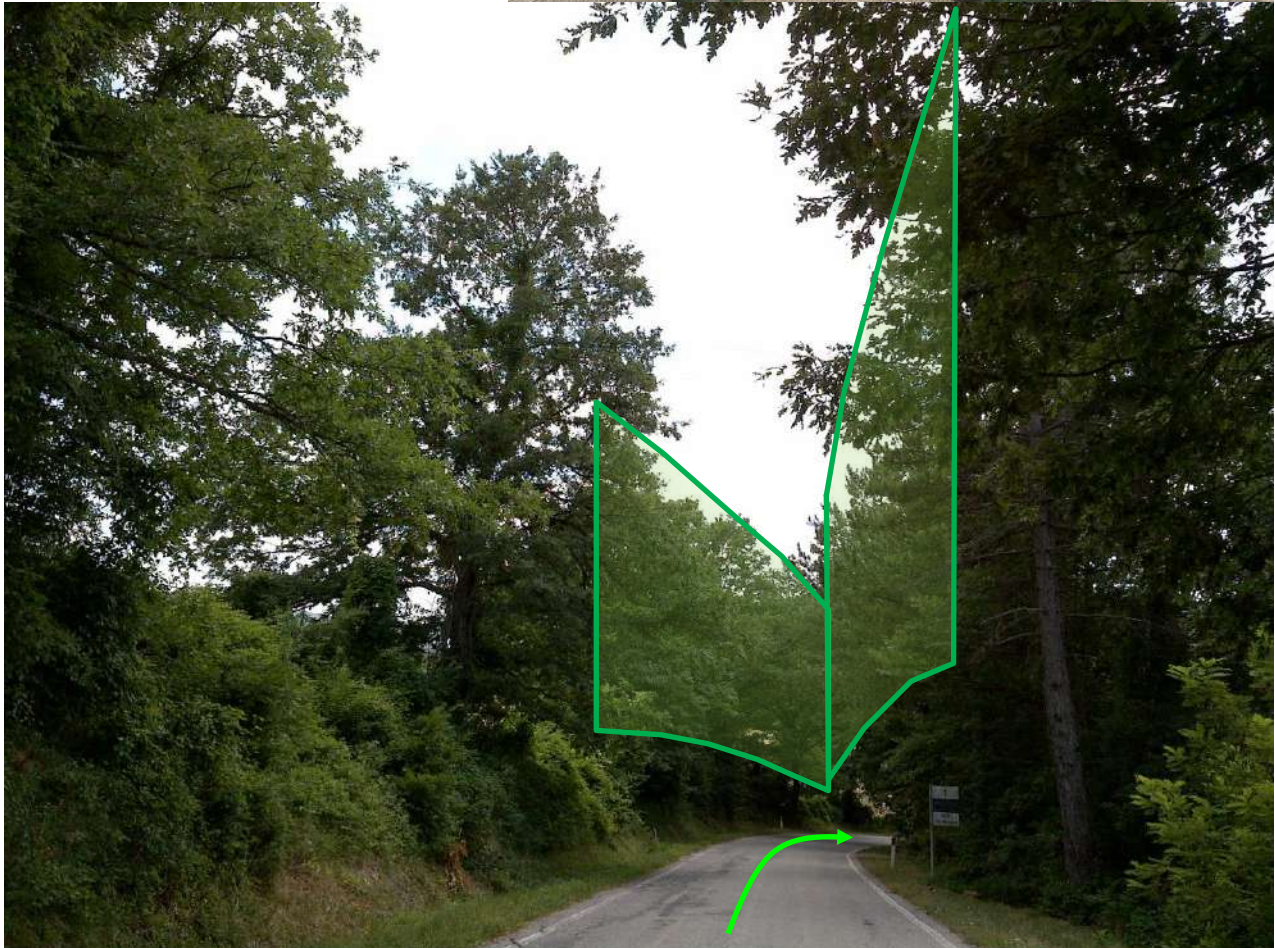


*Poggio (FC)*

**Observation 77**

Tree branches jutting out on the road have to be cut.

**N 43.707738° E 12.131997°**



## Poggio (FC)

### Observation 78.01

The road on the left side has to be widened and made accessible for 4x30m.  
No.2 road signs have to be removed.

**N 43.705213° E 12.130583°**



*Poggio (FC)*

**Observation 78.02**

The maximum bearing capacity of the bridge has to be checked.

**N 43.704780° E 12.130441°**



## Poggio (FC)

### Observation 79

The road on the left has to be widened and made accessible for 2m depth for entire curving radius.

No.2 road signs have to be removed.

**N 43.710155° E 12.124786°**



## Poggio (FC)

### Observation 80

The road on the right has to be widened and made accessible for 4m depth for entire curving radius.

N 43.711188° E 12.123691°

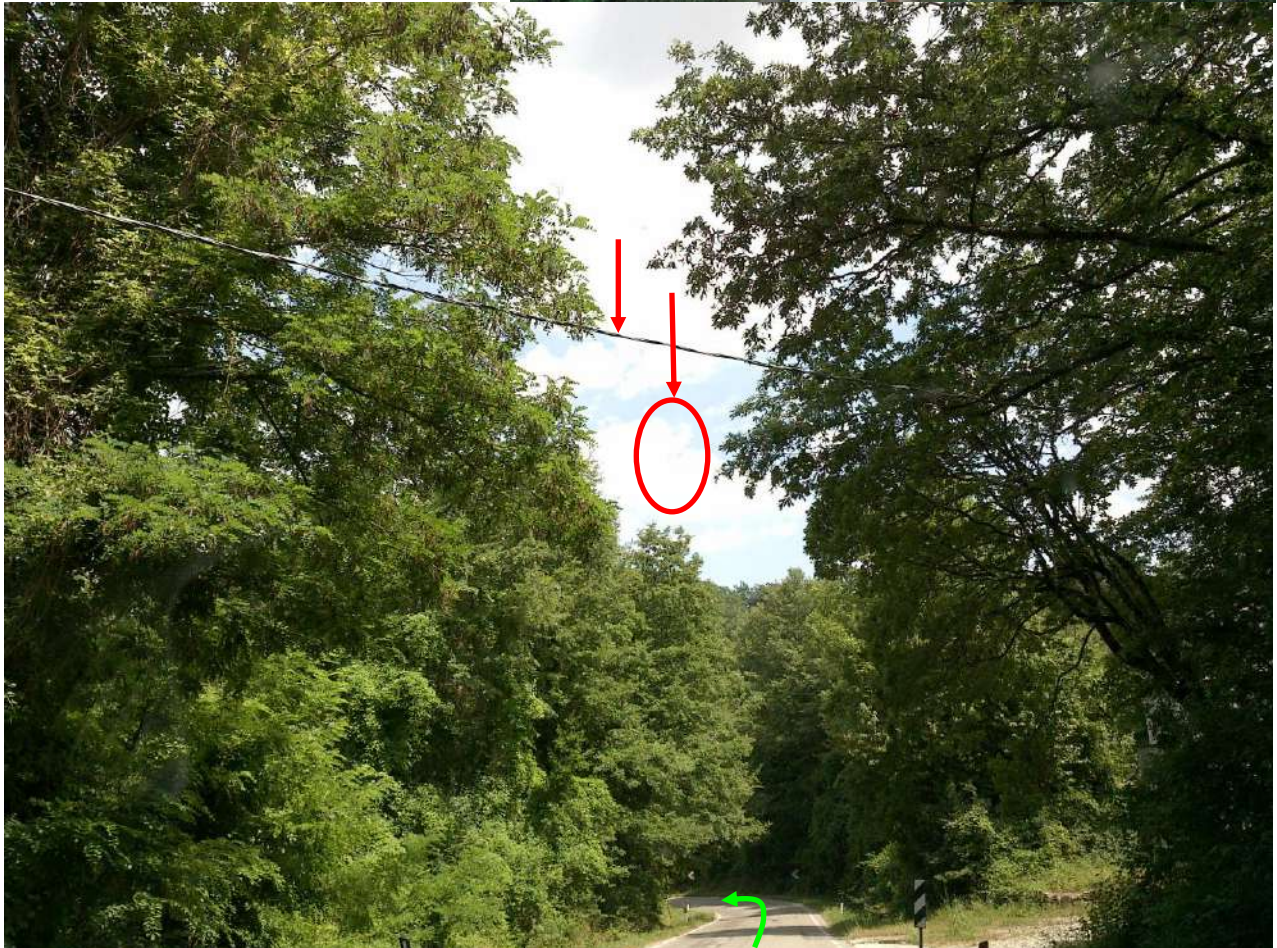


*Poggio (FC)*

**Observation 81**

No.2 cables have to be buried.

N 43.711613° E 12.125316°



## Poggio (FC)

### Observation 82

The road on the right side has to be widened and made accessible for 3x30m.  
All road signs for entire curving have to be removed.

N 43.711313° E 12.126147°



*Poggio (FC)*

**Observation 83**

No.1 cable has to be buried.

N 43.712275° E 12.125841°





## Poggio (FC)

### Observation 84

No.1 three-wire cable has to be buried.

N 43.712391° E 12.125411°



Poggio (FC)

Observation 85.01

No.1 cable has to be buried.

N 43.712908° E 12.123463°



## Poggio (FC)

### Observation 85.02

The maximum bearing capacity of the bridge has to be checked.

N 43.712816° E 12.123283°



## Poggio (FC)

### Observation 86

No.3 cables have to be buried.

N 43.713069° E 12.122361°



## Poggio (FC)

### Observation 87

The maximum bearing capacity of the bridge has to be checked.

N 43.713541° E 12.122358°



## Poggio (FC)

### Observation 88

Cable has to be buried.

Tree branches jutting out on the road have to be cut.

N 43.714161° E 12.122452°



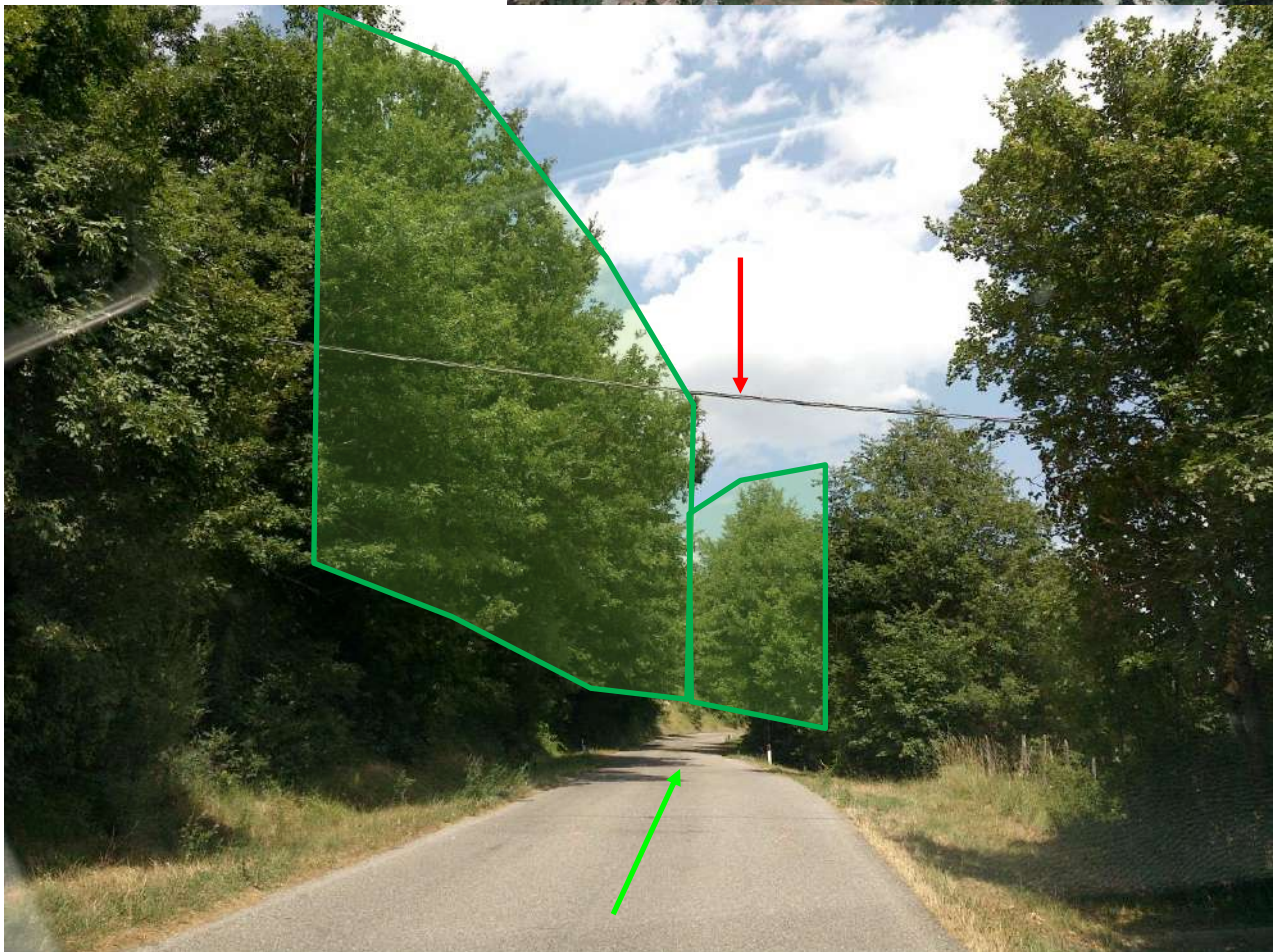
## Poggio (FC)

### Observation 89

No.1 cable has to be buried.

Tree branches jutting out on the road have to be cut.

N 43.714497° E 12.124402°

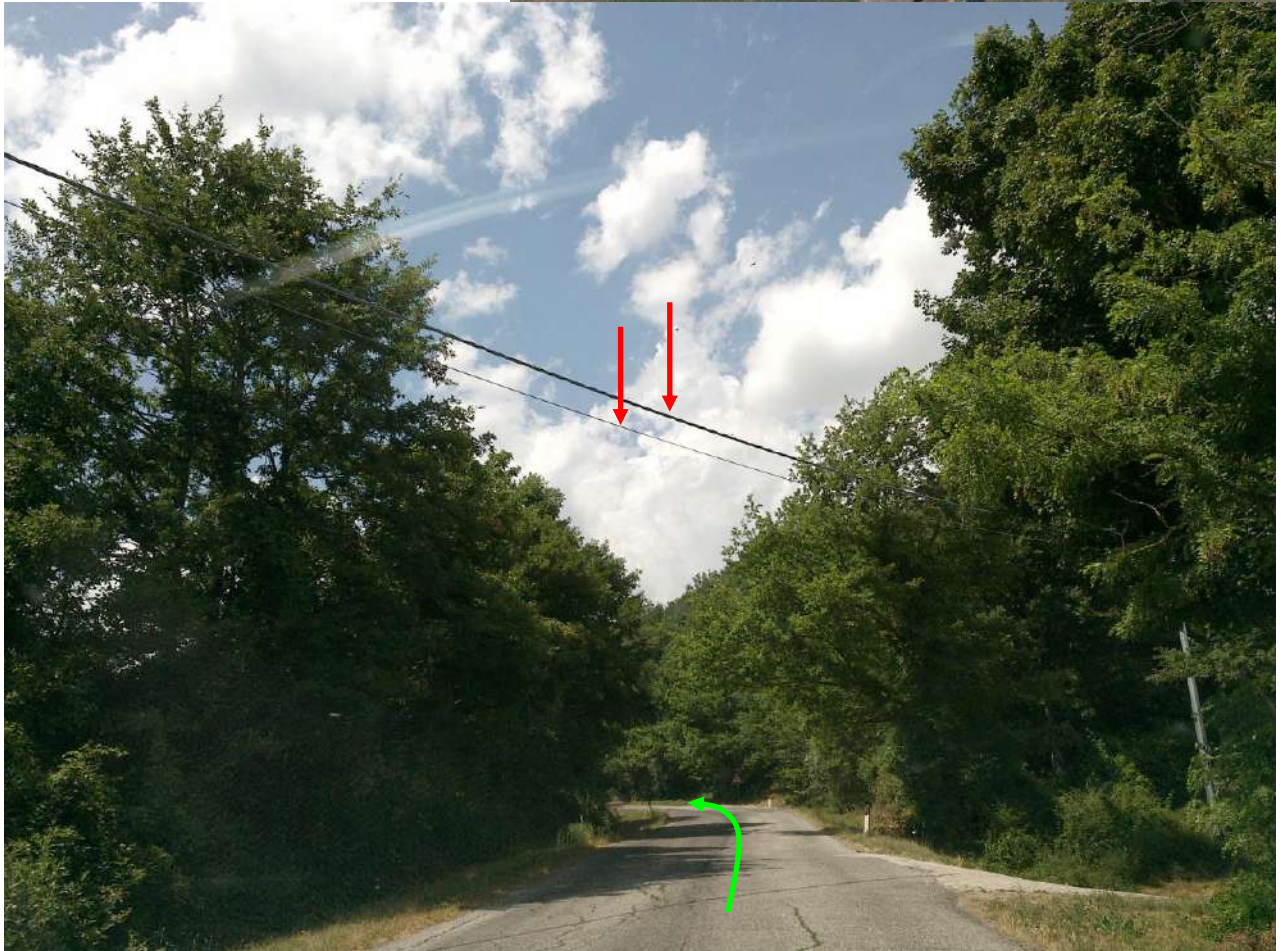


*Poggio (FC)*

**Observation 90**

No.2 cables have to be buried.

**N 43.717252° E 12.123513°**





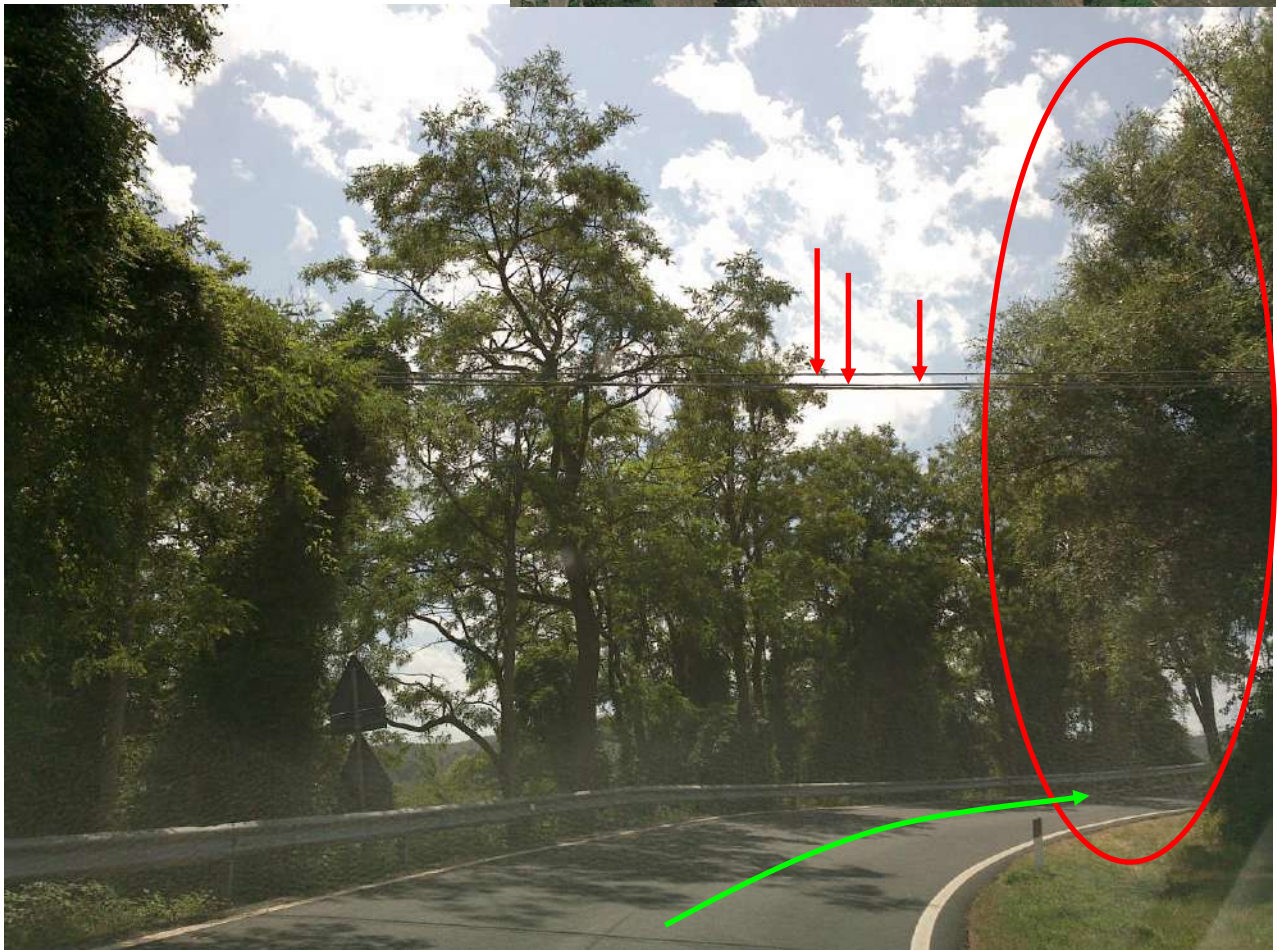
## Poggio (FC)

### Observation 91

No.3 cables have to be buried.

No.1 tree on the right has to be removed.

N 43.717749° E 12.121786°



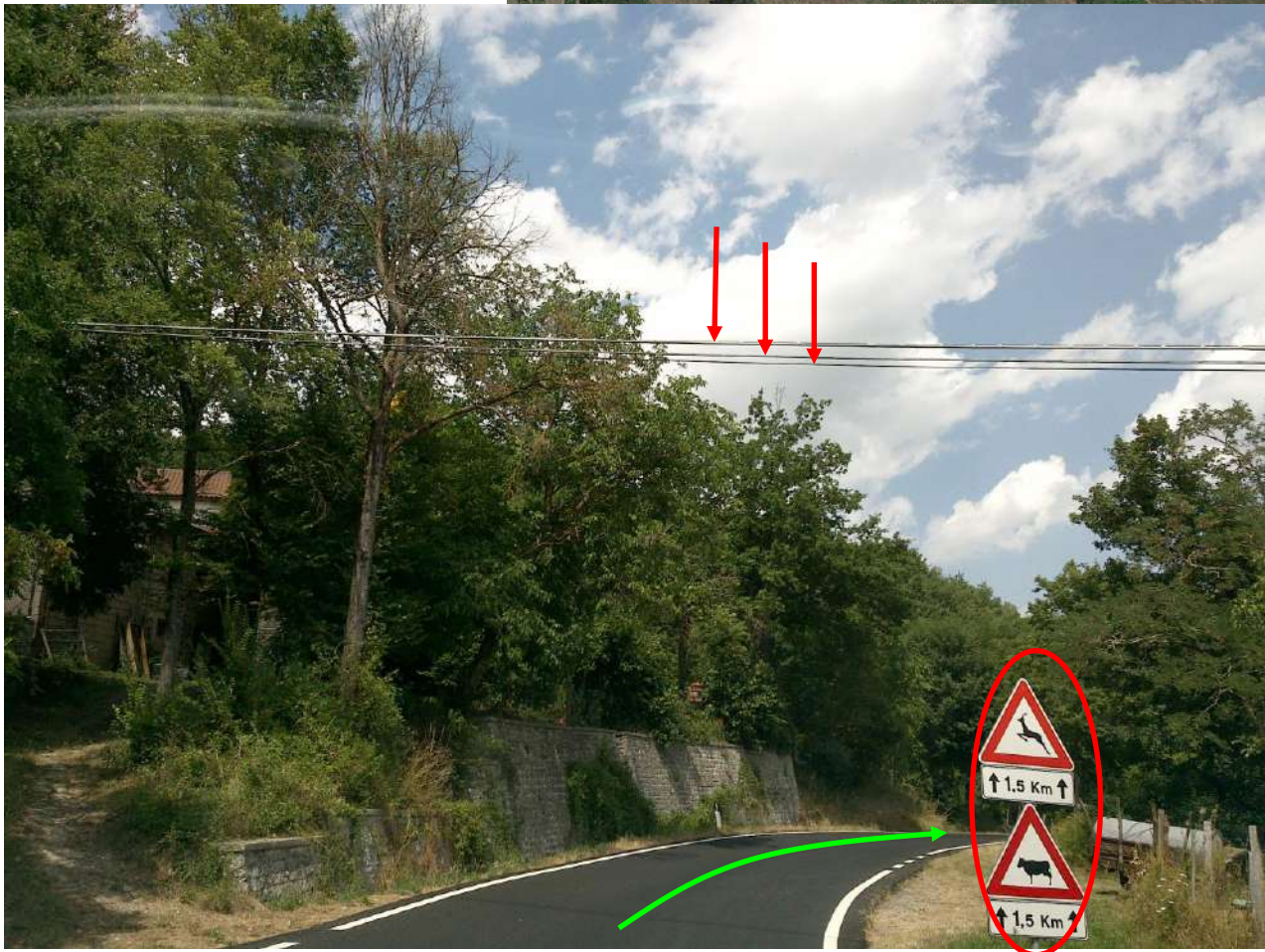
## Poggio (FC)

### Observation 92

No.3 cables have to be buried.

No.2 road signs have to be removed.

N 43.718016° E 12.120927°



## Poggio (FC)

### Observation 93

The maximum bearing capacity of the bridge has to be checked.

N 43.719024° E 12.124299°



## Poggio (FC)

### Observation 94

No.1 road sign on the left has to be removed.

N 43.722024° E 12.130691°

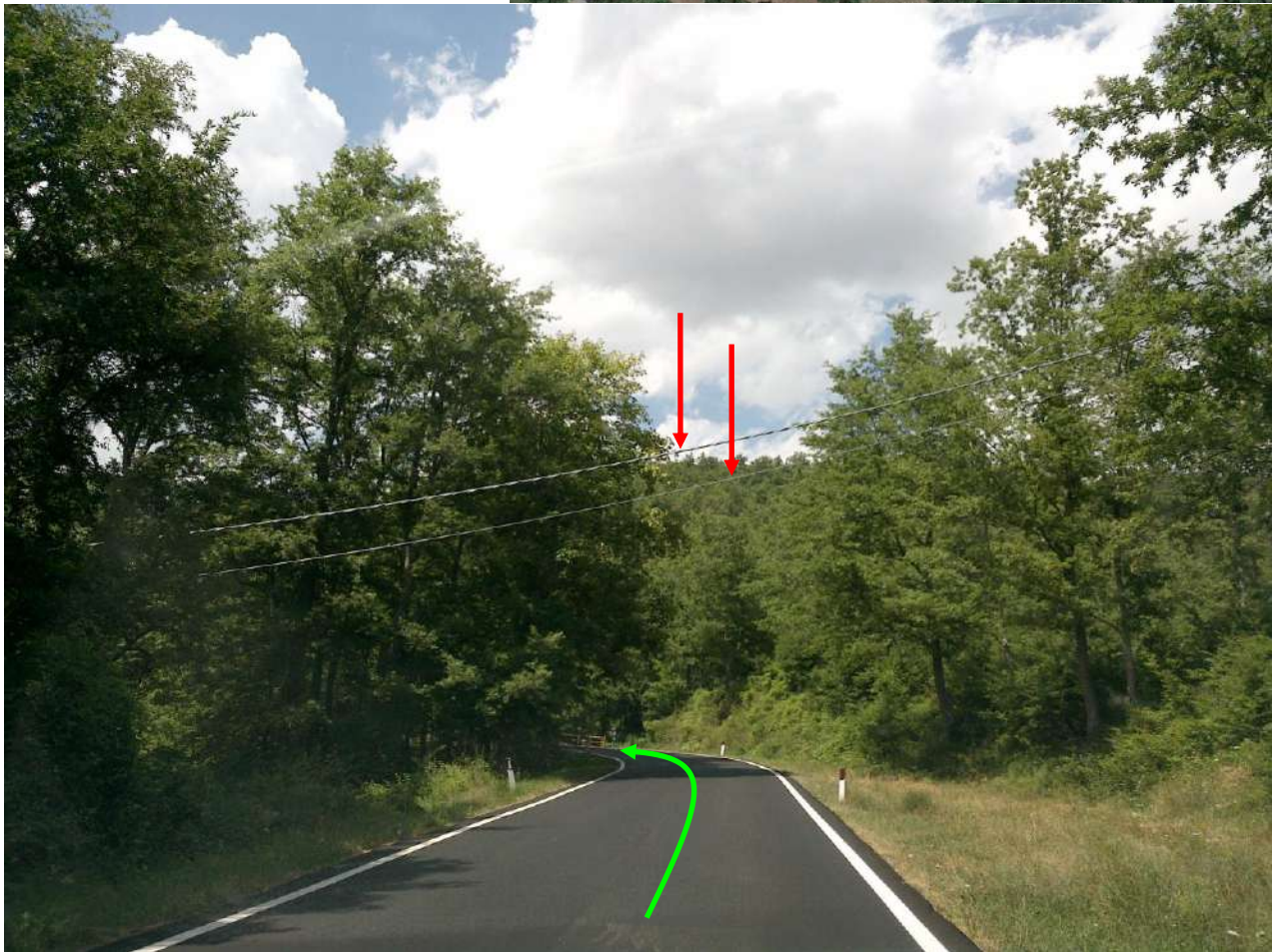


## Poggio (FC)

### Observation 95

No.2 cables have to be buried.

N 43.723416° E 12.123513°



## Poggio (FC)

### Observation 96

The maximum bearing capacity of the bridge has to be checked.

N 43.724161° E 12.123274°



## Poggio (FC)

### Observation 97

The maximum bearing capacity of the bridge has to be checked.

N 43.724344° E 12.121913°

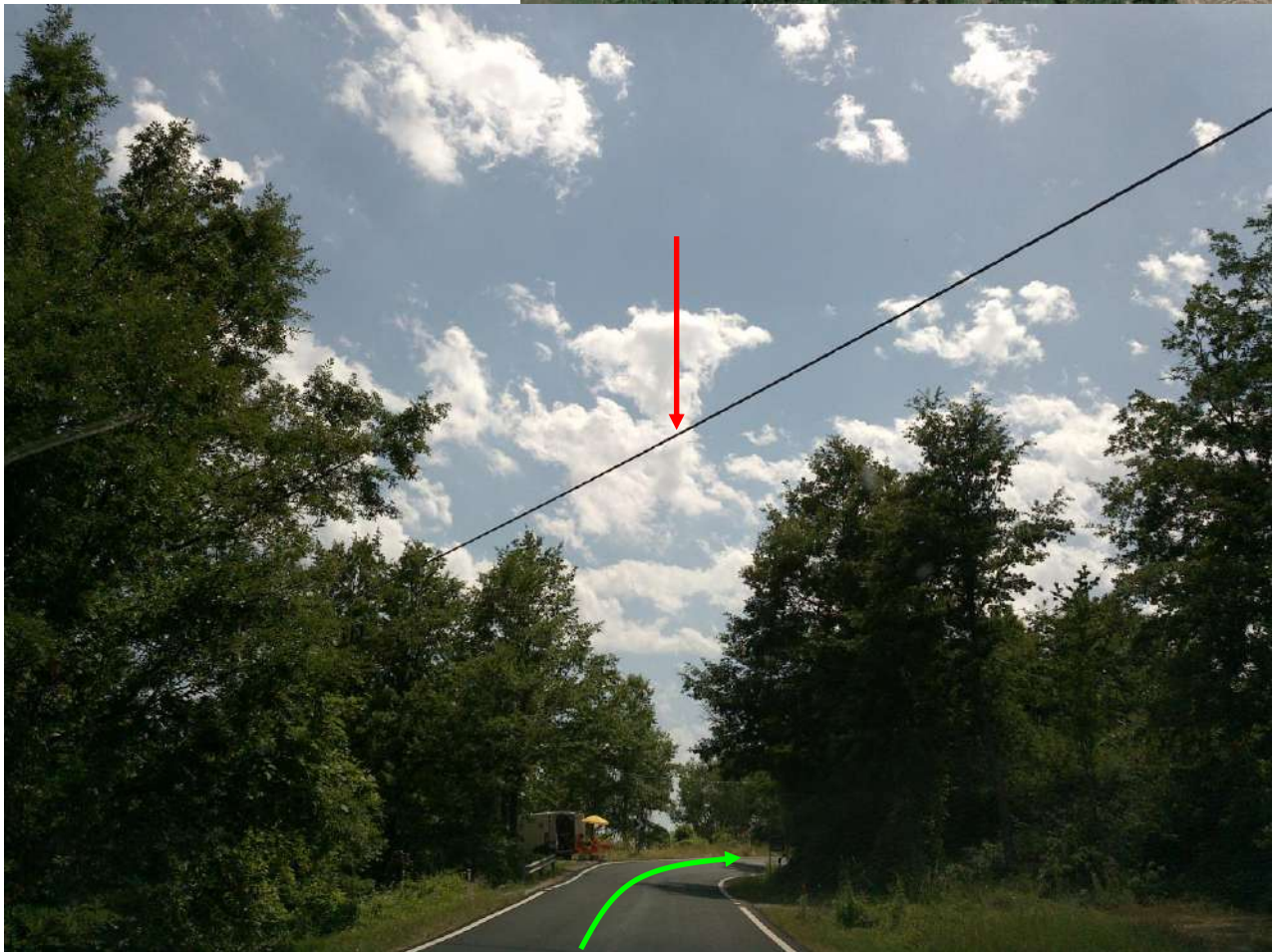


*Poggio (FC)*

**Observation 98.01**

No.1 cable has to be buried.

**N 43.723538° E 12.120786°**





*Poggio (FC)*

**Observation 98.02**

No.2 road signs have to be buried.

**N 43.723027° E 12.120469°**



*Poggio (FC)*

**Observation 99**

No.1 cable has to be buried.

**N 43.725274° E 12.117886°**

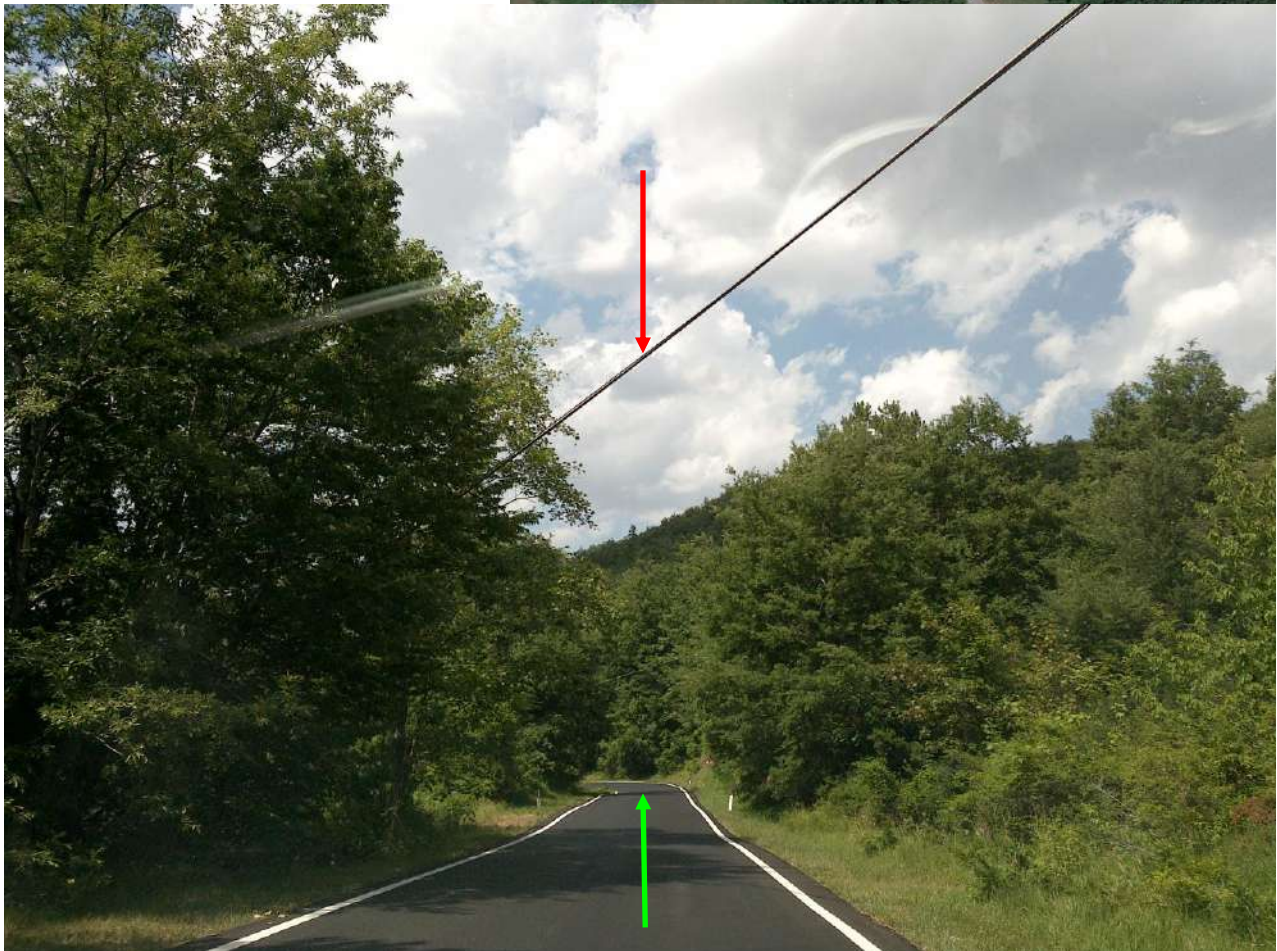


## Poggio (FC)

### Observation 100.01

No.1 cable has to be buried.

N 43.727586° E 12.115700°



*Poggio (FC)*

**Observation 100.02**

No.1 cable has to be buried.

**N 43.728136° E 12.115602°**



## Poggio (FC)

### Observation 101

The maximum bearing capacity of the bridge has to be checked.

N 43.731997° E 12.112844°



*Poggio (FC)*

**Observation 102.01**

No.1 cable has to be buried.

**N 43.734402° E 12.109525°**



Poggio (FC)

Observation 102.02

No.1 cable has to be buried.

N 43.734630° E 12.109372°

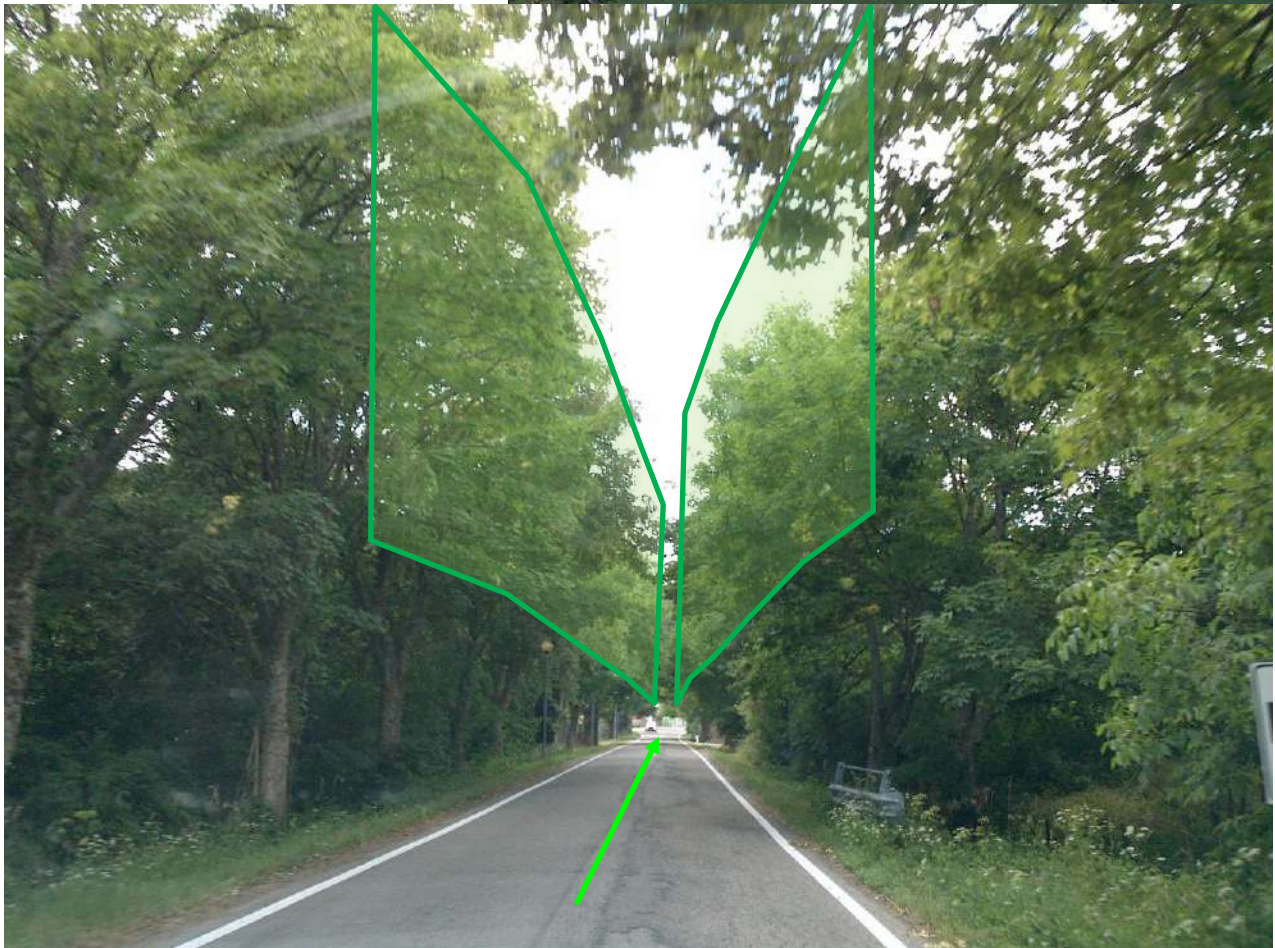


*Poggio (FC)*

**Observation 103**

Tree branches jutting out on the road have to be cut.

**N 43.736366° E 12.104925°**





*Poggio (FC)*

**Observation 104**

No.1 cable has to be buried.

**N 43.736458° E 12.102675°**



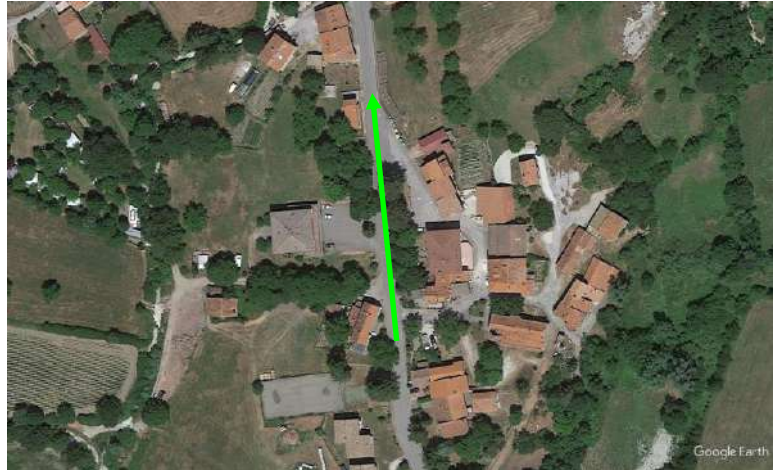
## Poggio (FC)

### Observation 105.01

No.2 cables have to be raised to 6m.

Tree branches jutting out on the road have to be cut.

N 43.737099° E 12.101838°



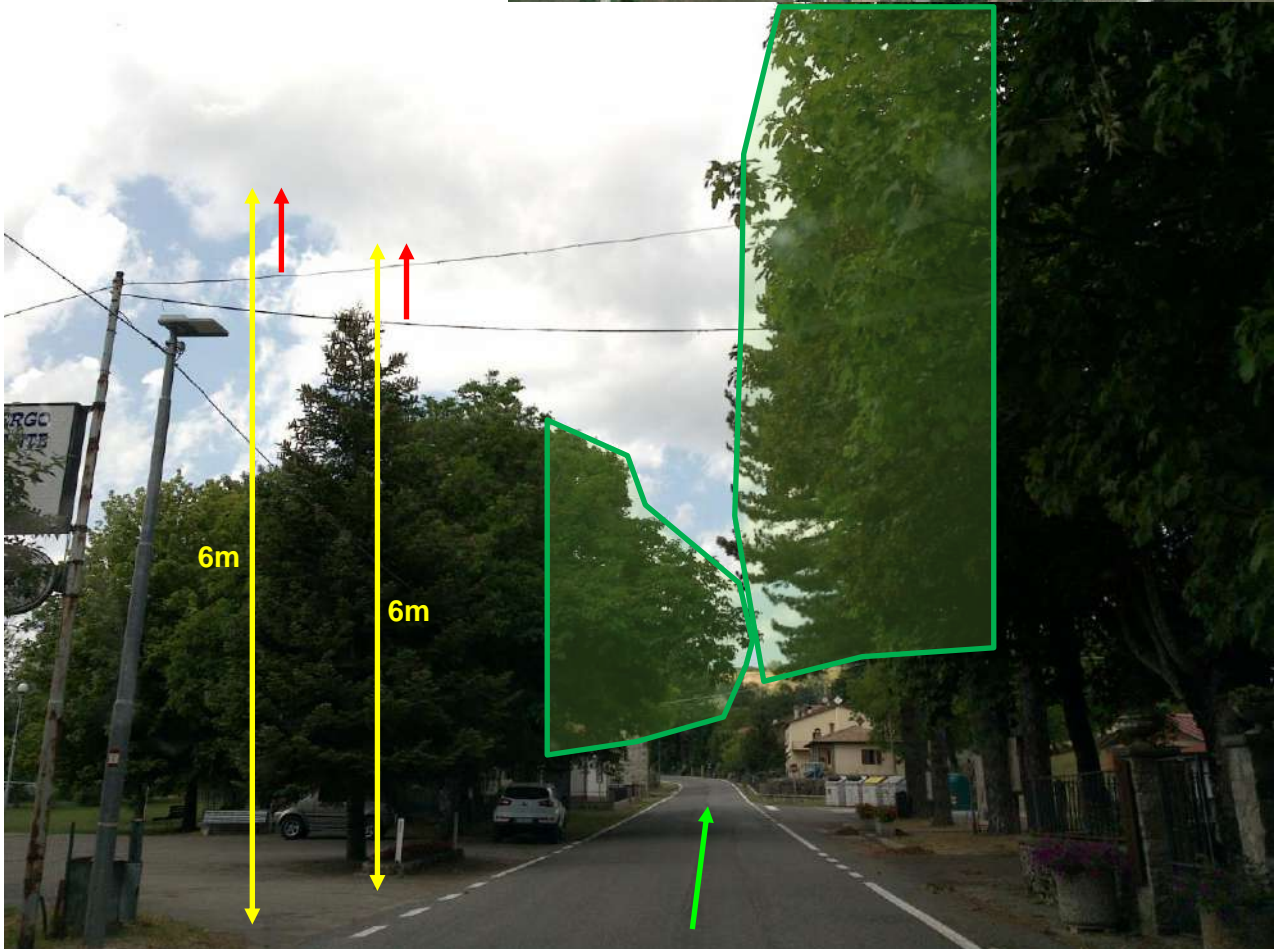
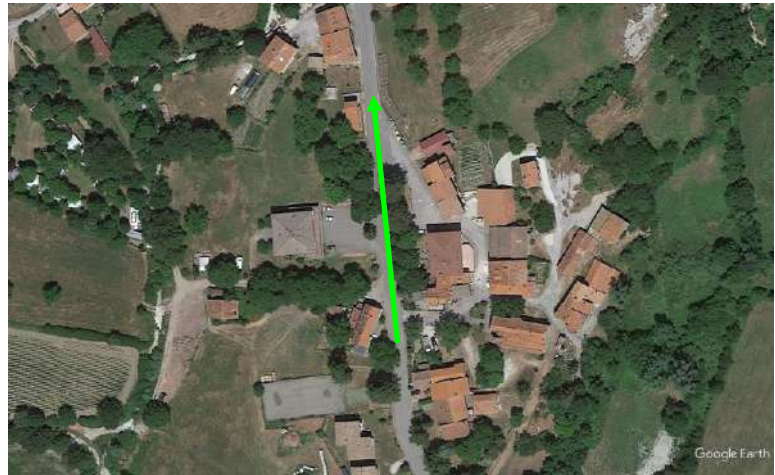
## Poggio (FC)

### Observation 105.02

No.2 cables have to be raised to 6m.

Tree branches jutting out on the road have to be cut.

N 43.737469° E 12.101761°

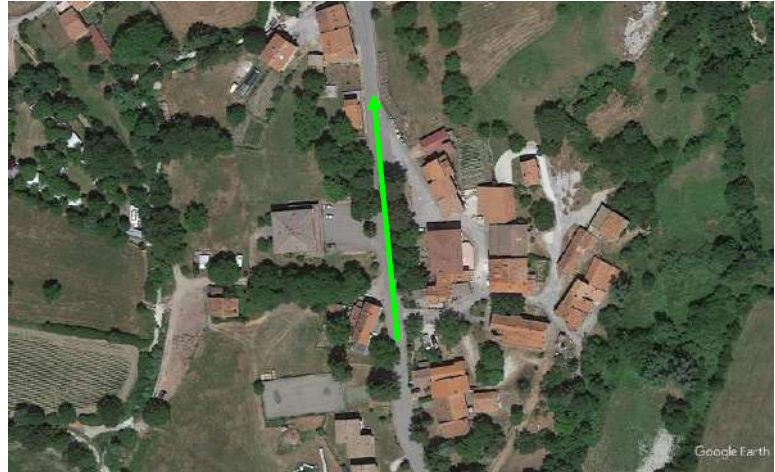


## Poggio (FC)

### Observation 105.03

No.2 cables have to be buried.

N 43.737927° E 12.101783°



## Poggio (FC)

### Observation 106

The maximum bearing capacity of the bridge has to be checked.

No.1 cable has to be buried.

N 43.739430° E 12.100966°



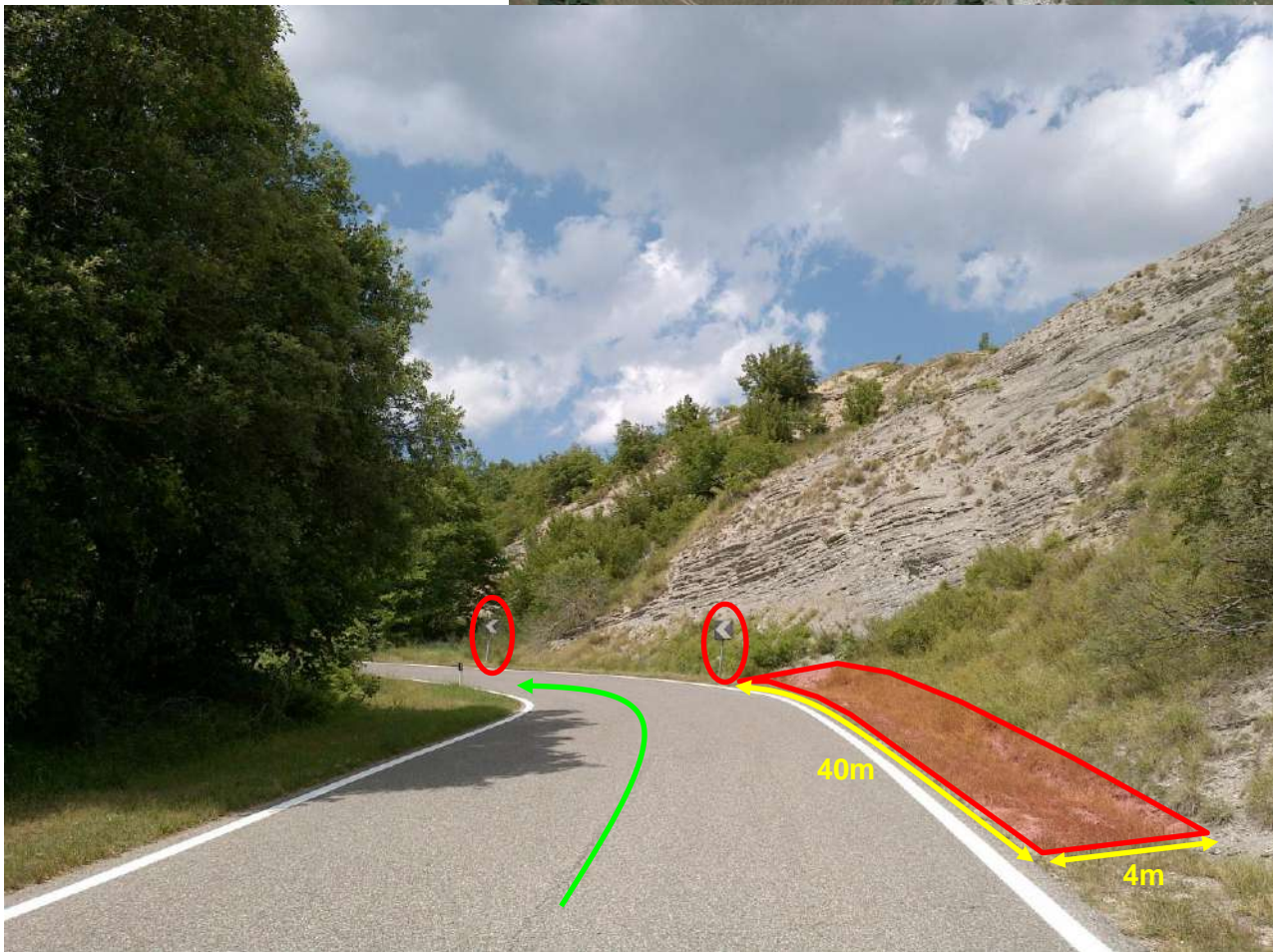
## Poggio (FC)

### Observation 107

The road on the right side has to be widened and made accessible for 4x40m.

No.2 road signs have to be removed.

N 43.742336° E 12.097452°



*Poggio (FC)*

**Observation 108**

No.3 road signs have to be removed.

**N 43.742541° E 12.096577°**



*Poggio (FC)*

**Observation 109**

Vegetation on the right side has to be removed for entire curving radius.

**N 43.744738° E 12.096377°**





## Poggio (FC)

### Observation 110

The road on the left side has to be widened and made accessible for 2x20m.  
Trees have to be removed.

N 43.744880° E 12.098741°



*Poggio (FC)*

**Observation 111**

No.1 road sign on the left has to be removed.

**N 43.748044° E 12.098027°**



## Poggio (FC)

### Observation 112

The road has to be restored from this point up to site access.

**N 43.752325° E 12.099041°**

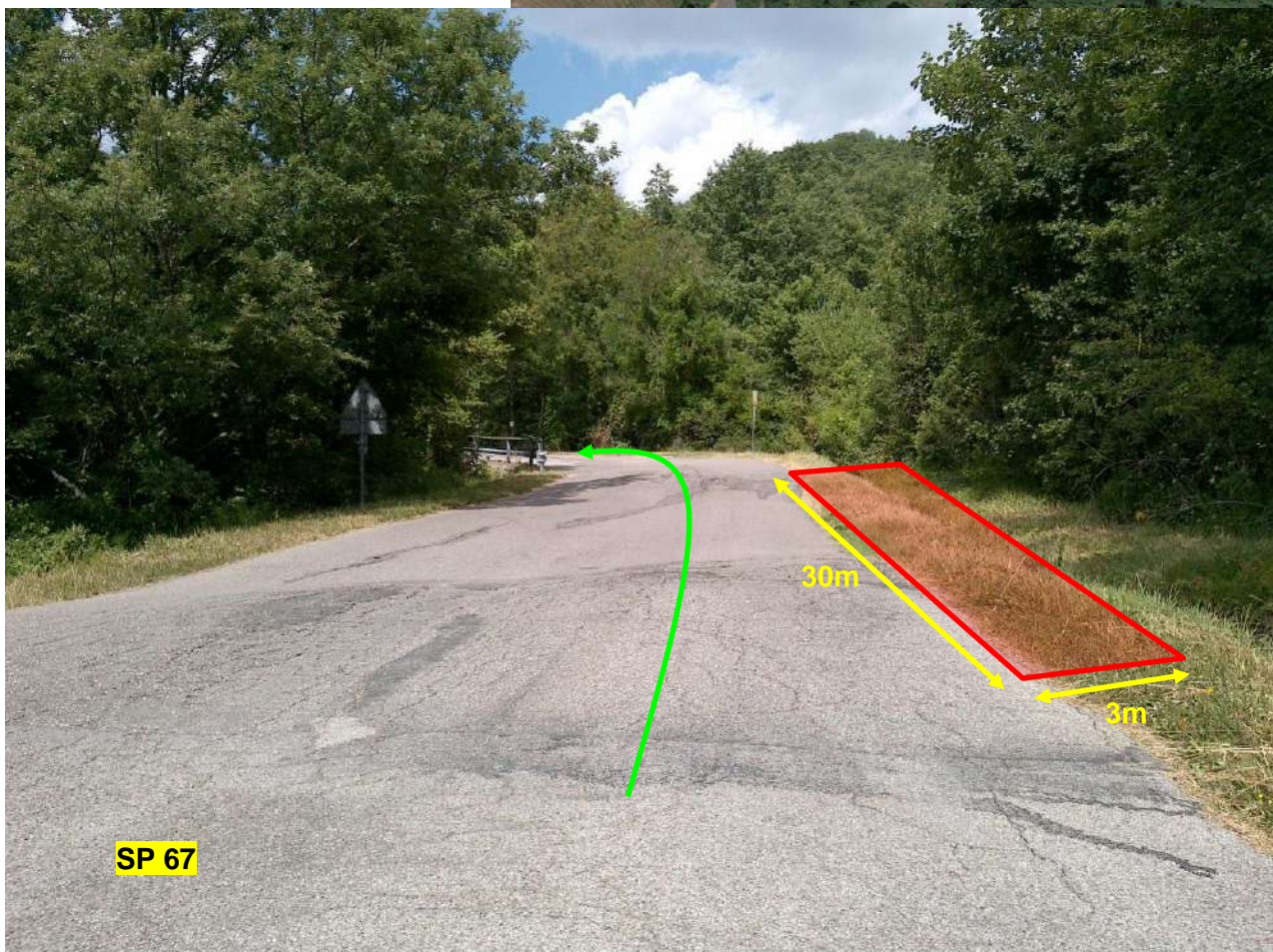


*Poggio (FC)*

**Observation 113**

The road on the right side has to be widened and made accessible for 3x30m.  
Landslide has to be restored.

**N 43.754527° E 12.100483°**

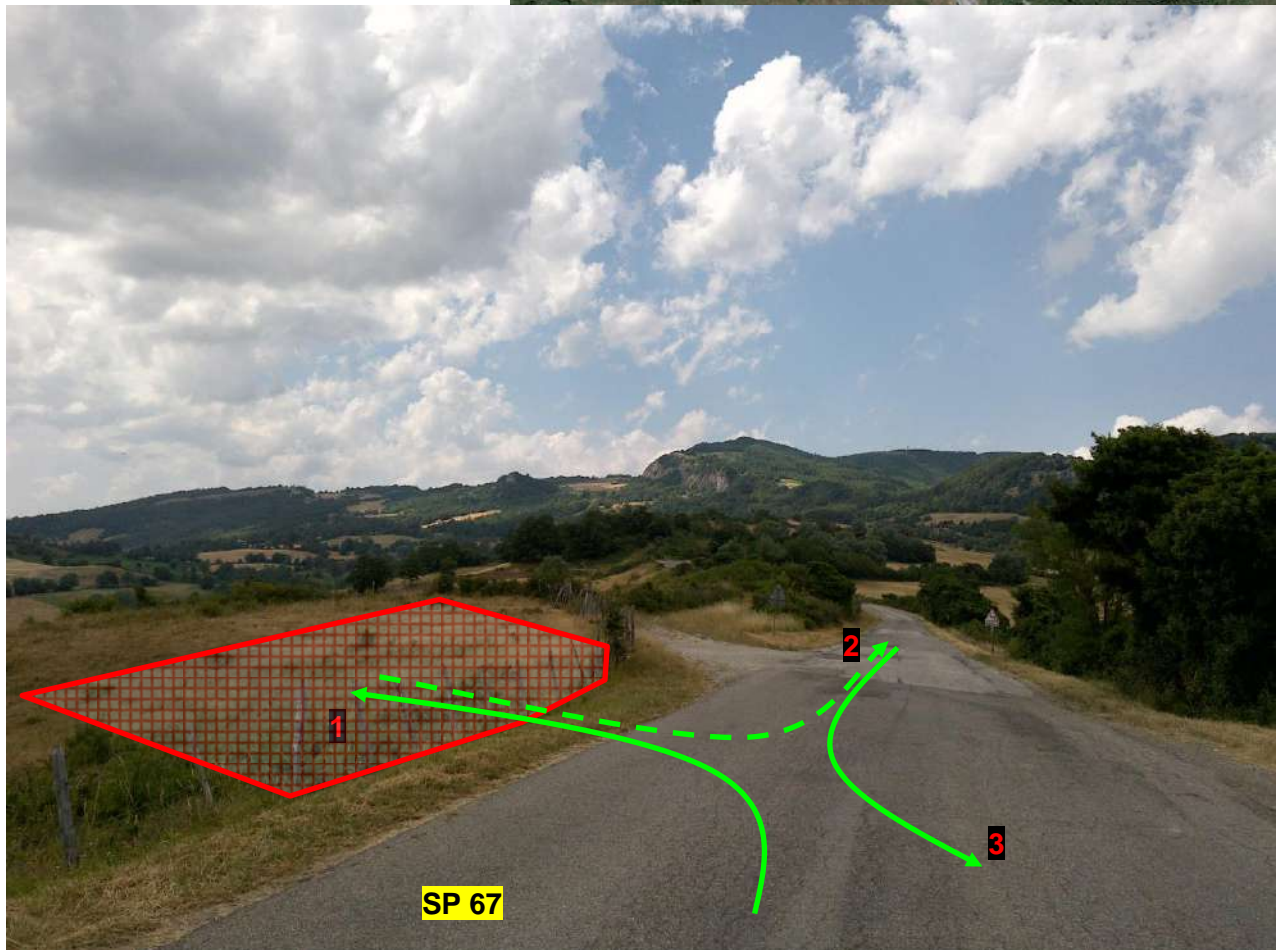


Poggio (FC)

Observation 114.01

Maneuver area has to be created to do reverse.

N 43.764361° E 12.097247°



## Poggio (FC)

### Observation 114.02

#### Site access.

The road has to be stabilized, levelled and compacted for at least 5m width.

N 43.764427° E 12.097183°



## **10. Final Considerations**

This feasibility study of transport was carried out to transport SG5X-155-T102.5.51A.

The proposed road does not consider the weight limitations and/or examination of the bridges' weight capacity along the route.

The enclosed transport requirements and related observations are based on the existing road infrastructures, combined with the overall extent of the wind farm, without any indications regarding the site road, its arrangement, and access to each installation pad.

The site road to reach the platforms has to be built according to SAE equipment specifications. An inspection is needed before the kickoff of the project in order to evaluate the civil works.

The entire site road has to be ensured with at least 6m clearance, free from any obstacles on either side of the road and must be levelled, compacted, cleared from all branches jutting out on the carriageway. We would like to advise you to have, during the first transport, an authorized staff with a forklift that can do this operation.

Along the route, it will be necessary to keep flat each height difference (vertical radius has to be defined according to SIEMENS GAMESA Guidelines).

All cables overpassing the entire transport route must be secured at a minimum of 5,5 m of height.

In order to prove the route feasibility and the delivery of all components to each platform, a further inspection and a test run should be performed by SAE before the transportation commencement. We suggest that on the first transport our Carrier will be supported by Client team in case of needs.