MINISTRIA E BUJQËSISË
DHE ZHVILLIMIT RURAL

Lorenco & CO.
Mapping & GIS, Planning, Design, Engineering.

EBS
ENGINEERING CONSULTANCY



Project: Climate Resilience and Agriculture Development Project in Albania

Assignment: Pre/Feasibility Studies for the entire scheme (Lushnja irrigation scheme)

Contract No.: AL-MARD-389925-CS-QCB

Conceptual Design

Drawings

Contracting Authority:

Ministry of Agriculture and Rural Development

Consultant:

JV Lorenco & Co Shpk - E.B.S Shpk



LEGEND/LEGJENDA:

- Varianti i Devijimit / Bypass Option
- Kanal i Mbuluar / Culvert
- Mbulim i Pjesshem / Partially Cover
- Rehabilitim (Riveshje, etj.) / Rehabiliation (Relining, etc.)
- I Rehabilituar / Rehabilitated

Coordinate Reference System / Sistemi Koordinativ Reference: WGS 84 / UTM zone 34 N

Index	Description of amendment/Pershkrimi i ndryshimeve	Date/Data	Name/Emri

Beneficiary / Financing Agency / Perfituesi / Agjencia Financuese:

MINISTRIA E BUJQËSISË DHE ZHVILLIMIT RURAL

THE WORLD BANK IBRD • IDA

Consultant/Konsulent:

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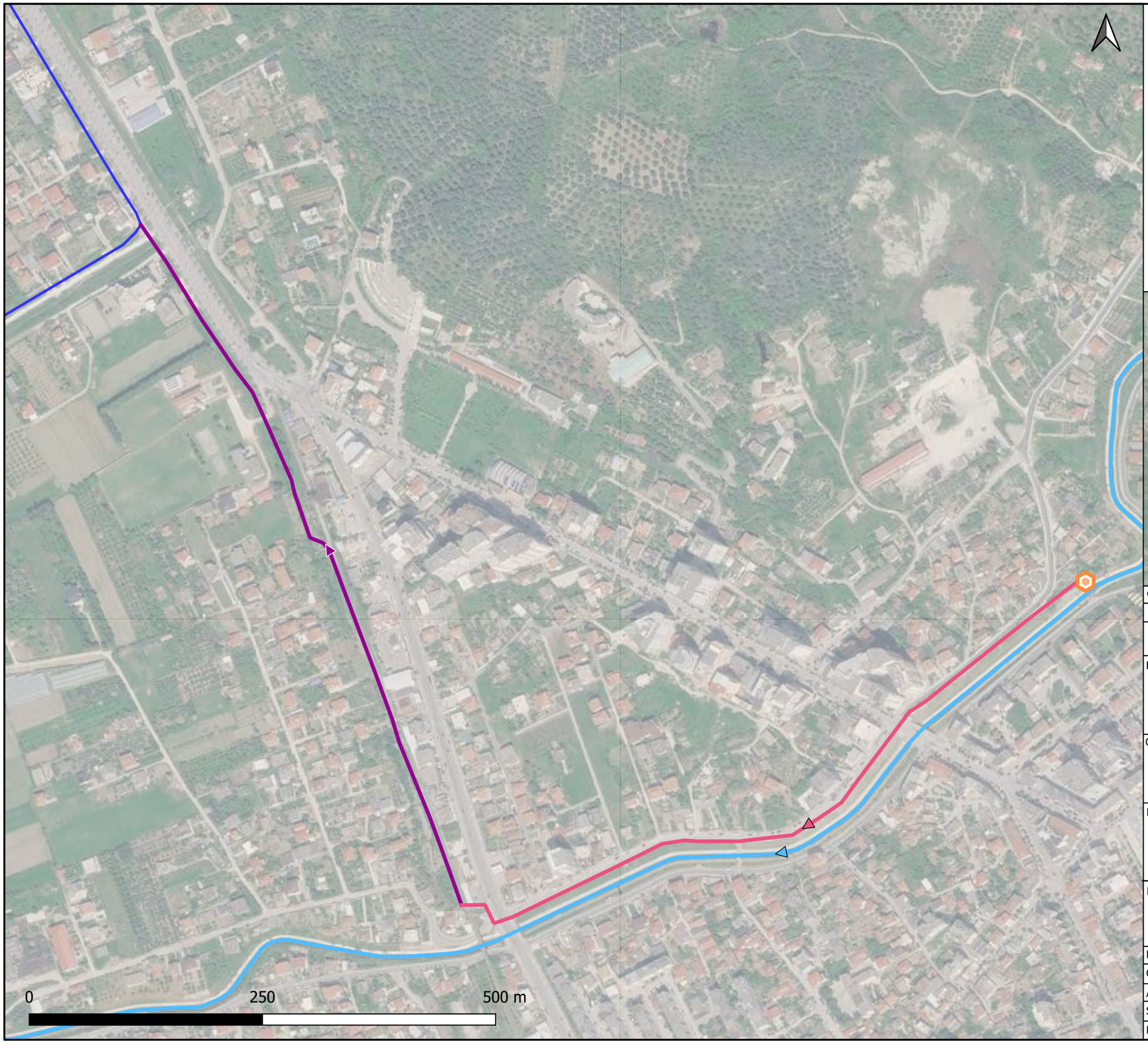
Project/Projekti:

Climate Resilience and Agriculture Development Project in Albania
Pre/Feasibility Studies for the entire scheme (Lushnja irrigation scheme)
Projekti për Zhvillimin e Bujqësisë dhe Ritjen e Qëndrueshmërisë ndaj Klimës në Shqipëri
Studime Para/Fizibiliteti për të gjithë skemën (skema e ujitjes së Lushnjës)

Drawing title/Titulli i Vizatimit:

Variantet e ndërhyrjes sipas segmenteve në zonën urbane të Lushnjës / Conveyance options and segment treatments through the Lushnje urban section

Drawn by/Vizatoi:	J GJ	
Checked/Kontrolloi:	F M	
Approved/Aprovoi:	F M	
Scale/Shkalla:	1:60000	Drwg no/Vizatim Nr.: DR-LUSH-00
Date/Data:	15.09.2026	



LEGEND/LEGJENDA:

- Kanali i Lushnjes / Lushnje Canal
- Perroi i Kasharajt / Kasharaj Stream
- Boks ekzisutes i mbuluar 2.0 x 2.0 m / Existing box culvert 2.0 x 2.0 m
- Mbulim me boks 2.0 m x 2.0 m / Cover with culvert 2.0 × 2.0 m
- Veper devijimi / Diversion Structure



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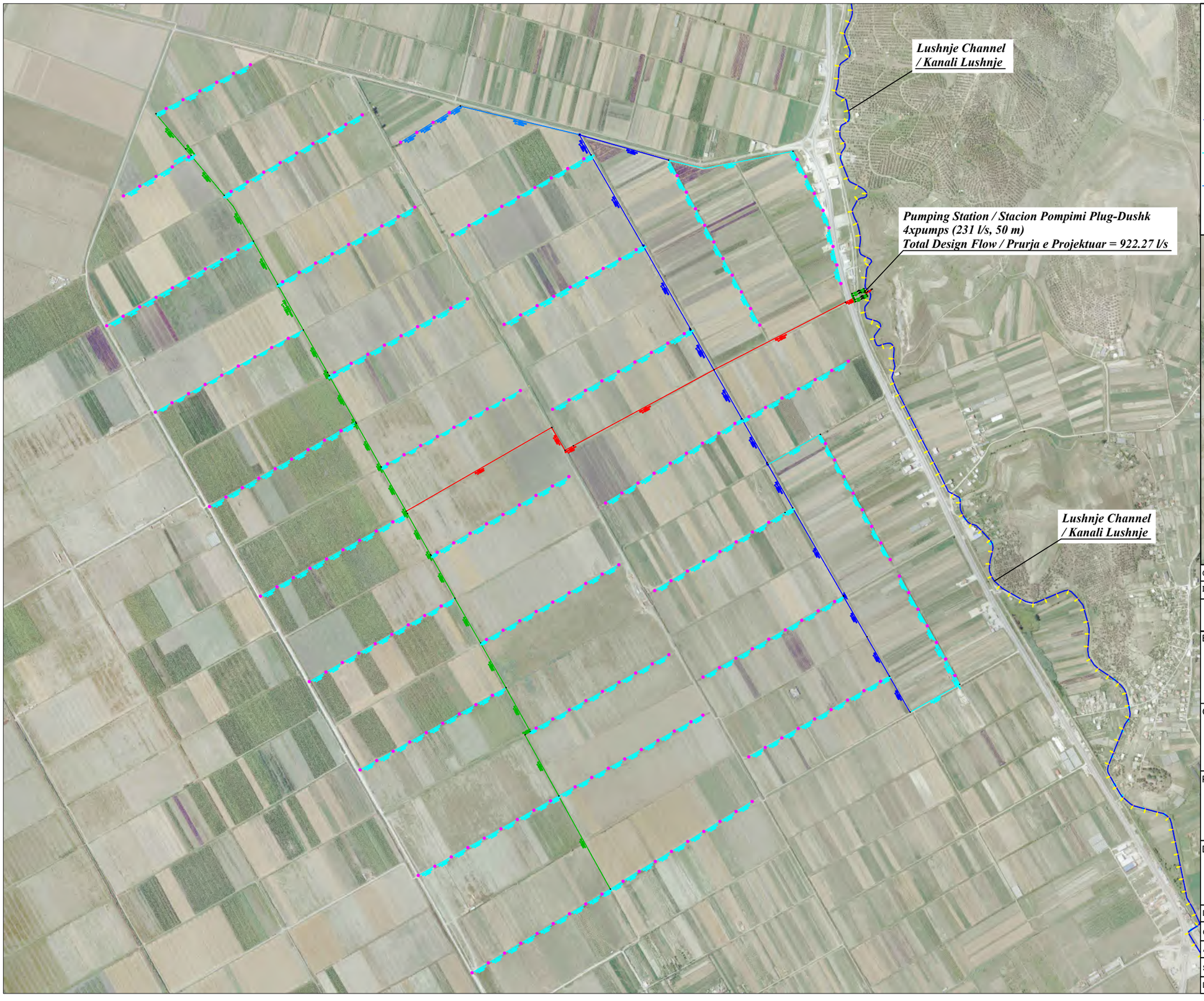
Drawing title/Titulli i Vizatimit:

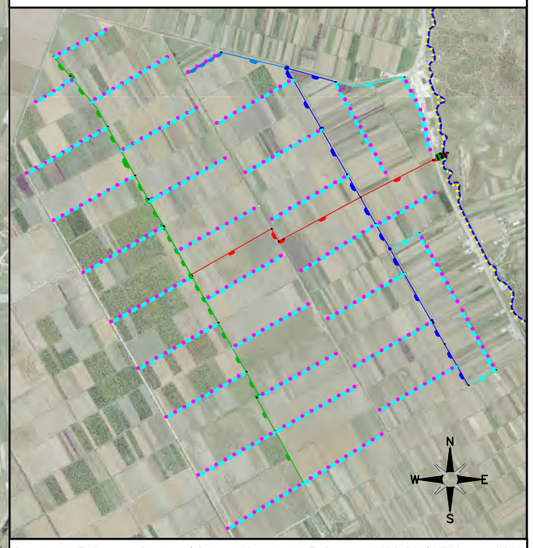
Devijimi i prurjes nga Rezervuari i Kasharajt drejt Kanalit Kryesor të Ujitjes së Lushnjës / Conveyance of Kasharaj Reservoir flows to the Lushnje main irrigation channel

Drawn by/Vizatoi:	J GJ	
Checked/Kontrolloi:	F M	
Approved/Aprovoi:	F M	
Scale/Shkalla:	1:4000	Drwg no/Vizatim Nr.: DR-KASH-00
Date/Data:	15.09.2026	



LEGEND / LEGJENDA :

- *PIPELINE HDPE DN 900* mm
  LINJAT E SHPERNDARJES HDPE DN 900 mm
- *PIPELINE HDPE DN 560* mm
  LINJAT E SHPERNDARJES HDPE DN 560 mm
- *PIPELINE HDPE DN 450* mm
  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
- *PIPELINE HDPE DN 200* mm
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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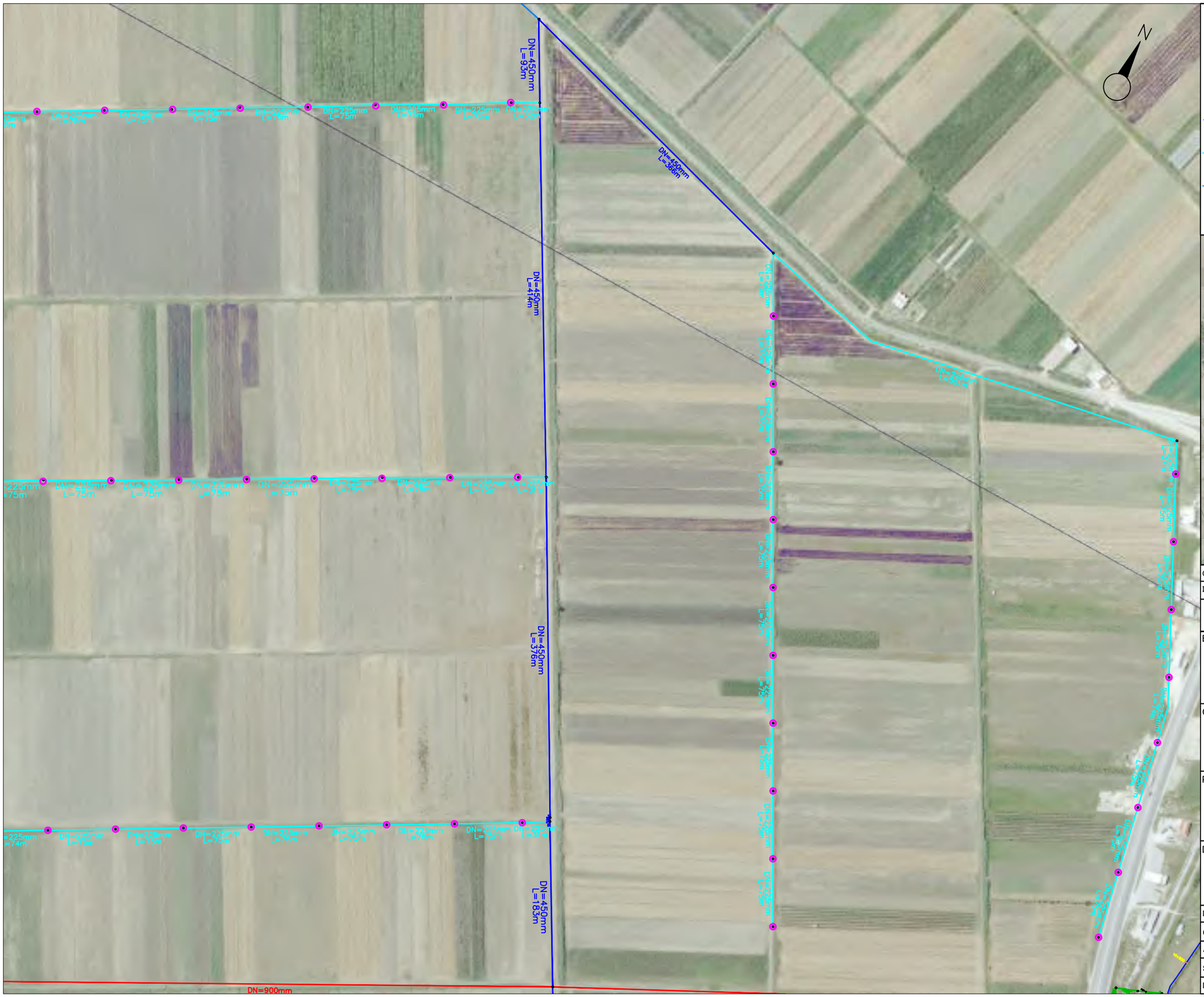
Drawing title/Titulli i Vizatimit:

General Layout Plan of the Plug – Dushk Pressurized System /
Planimetri e pergjithshme e sistemit me presion Plug - Dushk

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	15000	Drwg no/Vizatim Nr.:	DR - PRE - PD - 01
Date/Data:	12.12.2025		



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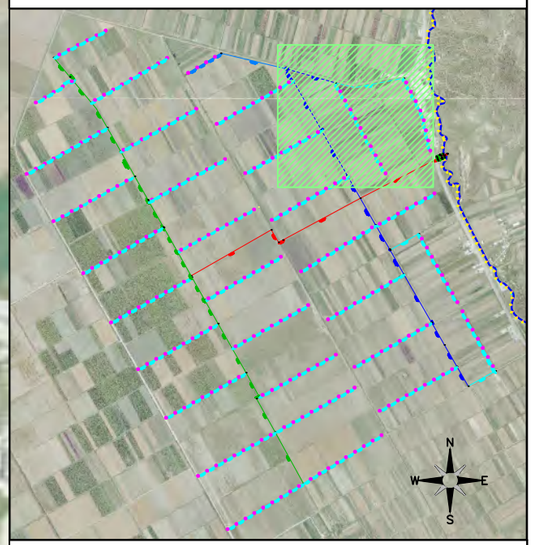
  LINJAT E SHPERNDARJES HDPE DN 225 mm
- *PIPELINE HDPE DN 200* mm
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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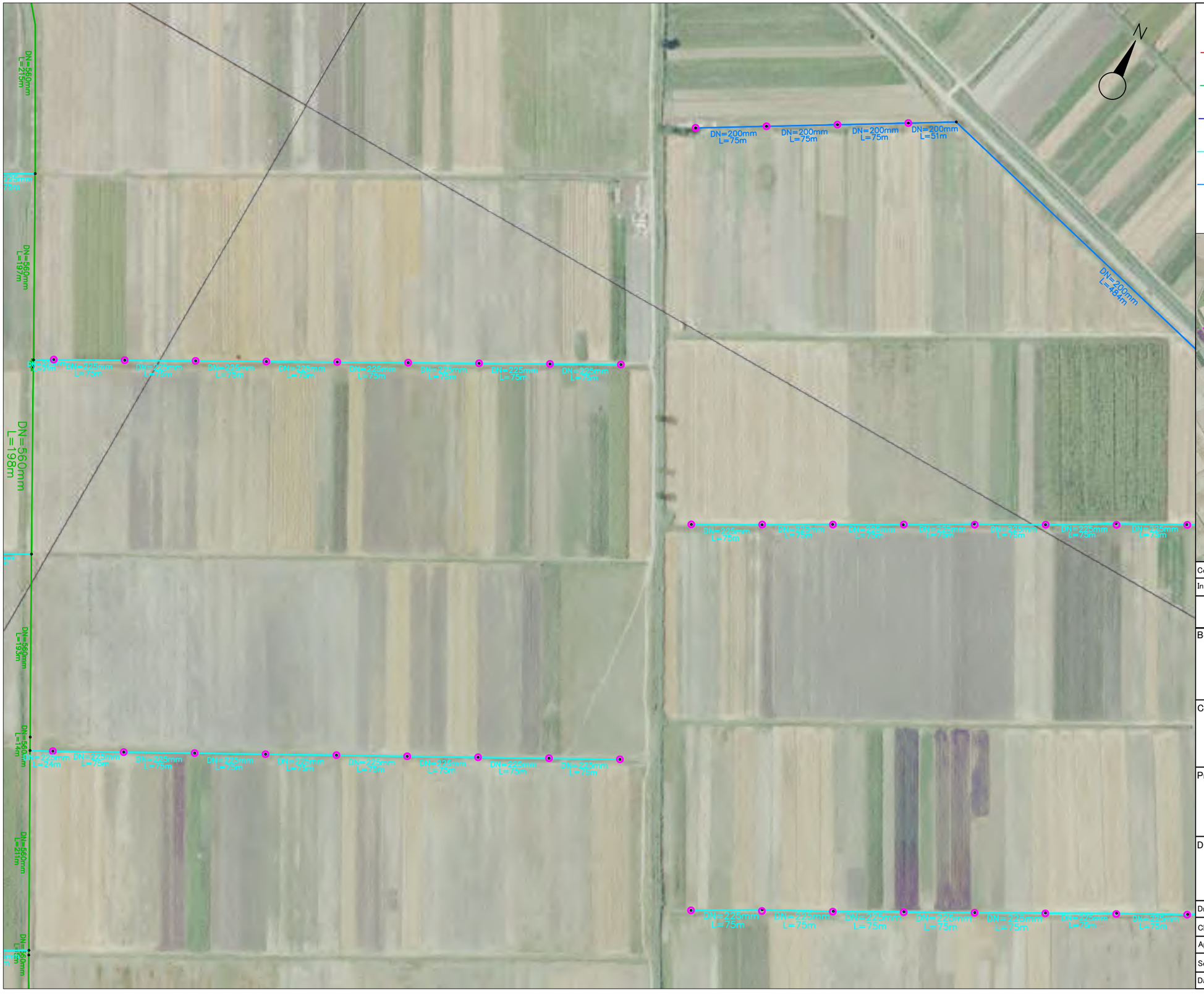
Drawing title/Titulli i Vizatimit:

Partial Layout Plan of the Plug – Dushk Pressurized System /
Planimetri pjesore e sistemit me presion Plug - Dushk

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.:	DR - PRE - PD - 02
Date/Data:	12.12.2025		



LEGEND / LEGJENDA :

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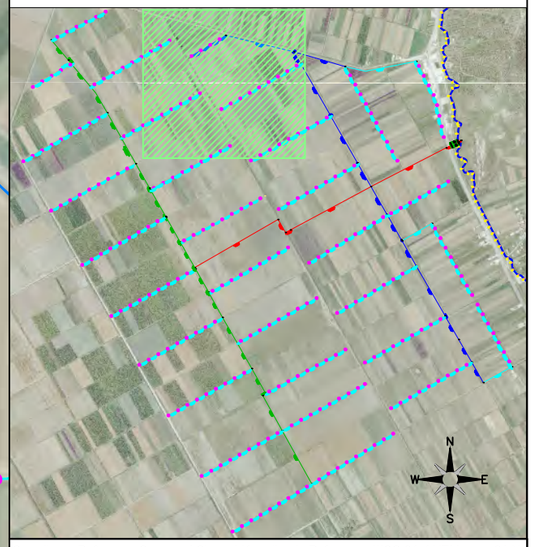
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawing title/Titulli i Vizatimit:

Partial Layout Plan of the Plug – Dushk Pressurized System /
Planimetri pjesore e sistemit me presion Plug - Dushk

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.:	DR - PRE - PD - 03
Date/Data:	12.12.2025		



LEGEND / LEGJENDA :

- *PIPELINE HDPE DN 900* mm
  LINJAT E SHPERNDARJES HDPE DN 900 mm
- *PIPELINE HDPE DN 560* mm
  LINJAT E SHPERNDARJES HDPE DN 560 mm
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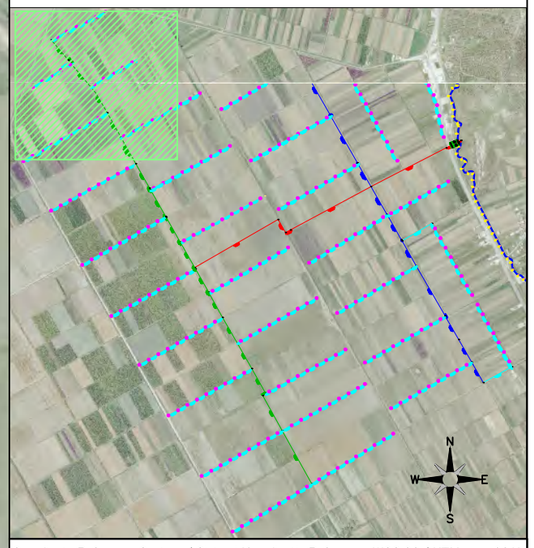
- *PIPELINE HDPE DN 200* mm
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawing title/Titulli i Vizatimit:

Partial Layout Plan of the Plug – Dushk Pressurized System /
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Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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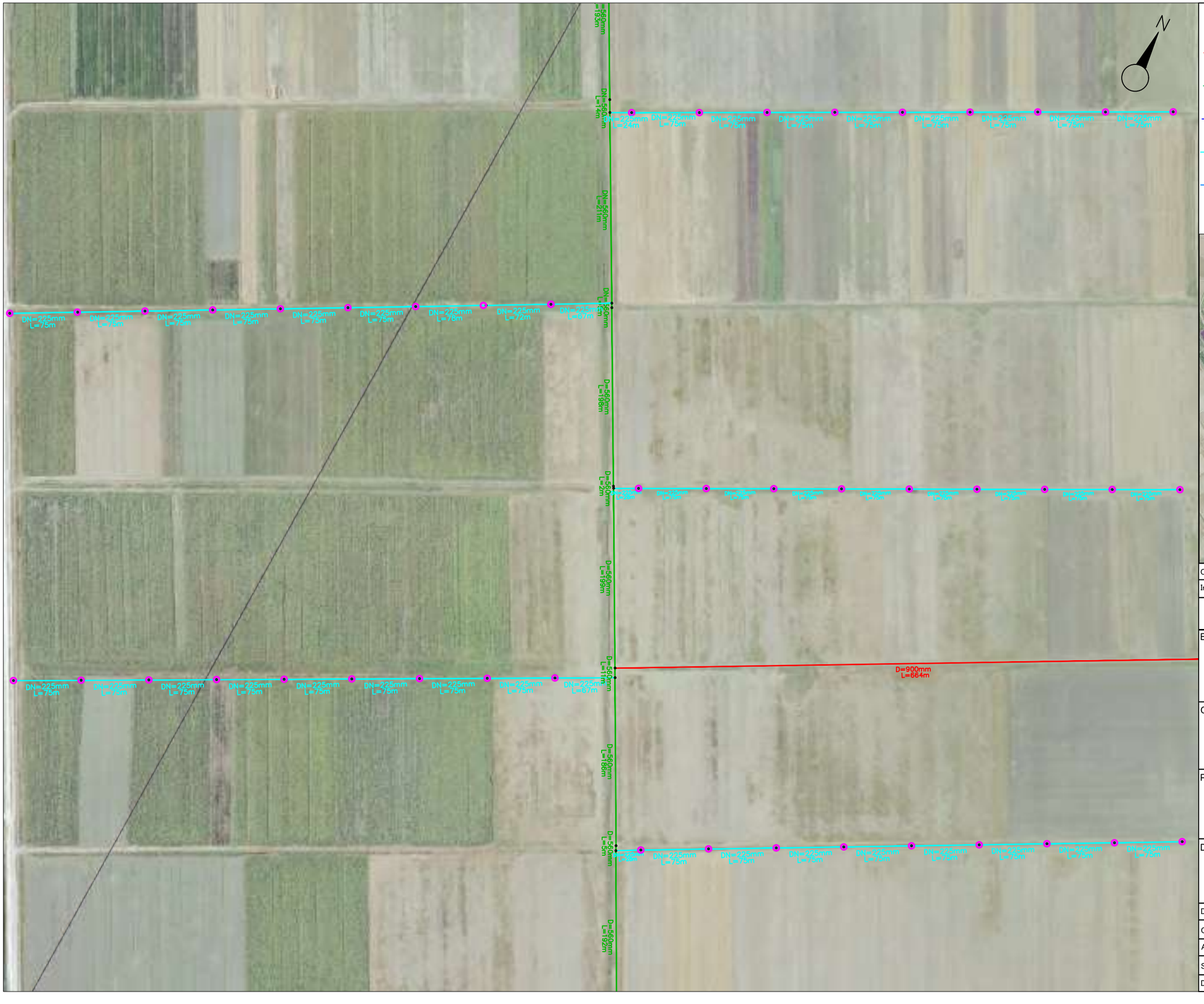
Date/Data:	12.12.2025		



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  LINJAT E SHPERNDARJES HDPE DN 225 mm
- *PIPELINE HDPE DN 200* mm
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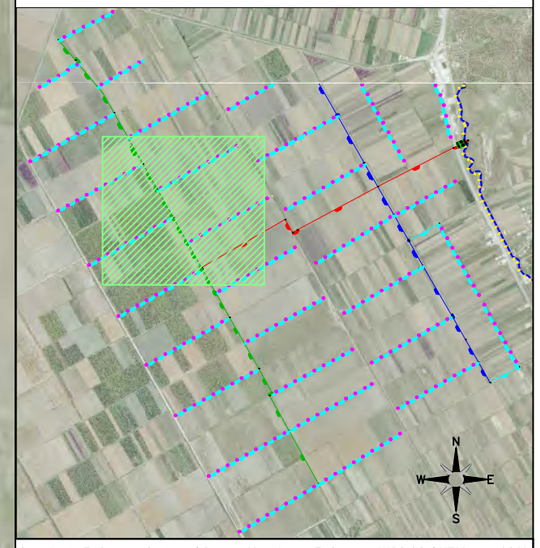

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Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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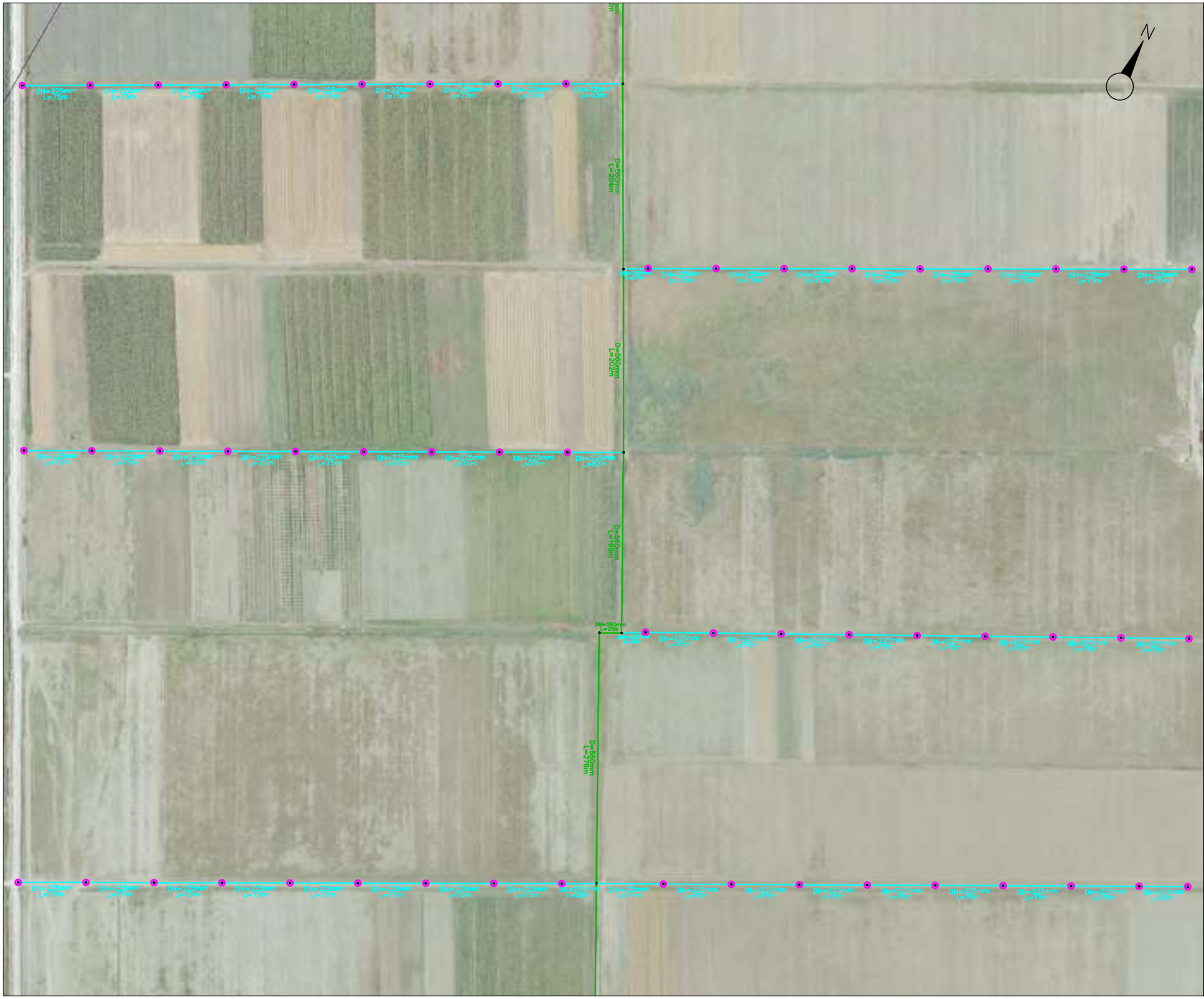

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- *PIPELINE HDPE DN 900* mm
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  LINJAT E SHPERNDARJES HDPE DN 450 mm
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  LINJAT E SHPERNDARJES HDPE DN 225 mm
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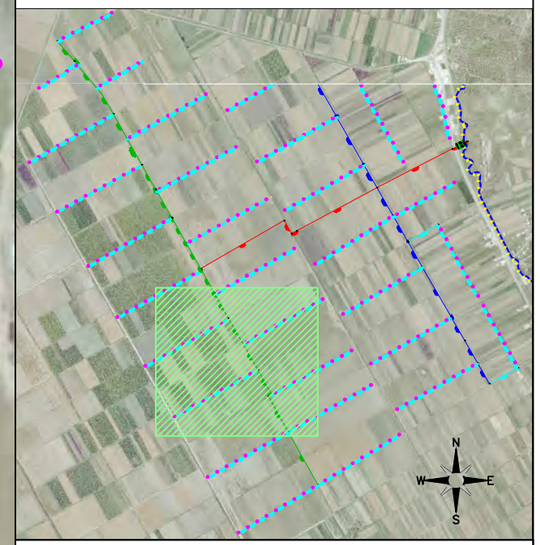
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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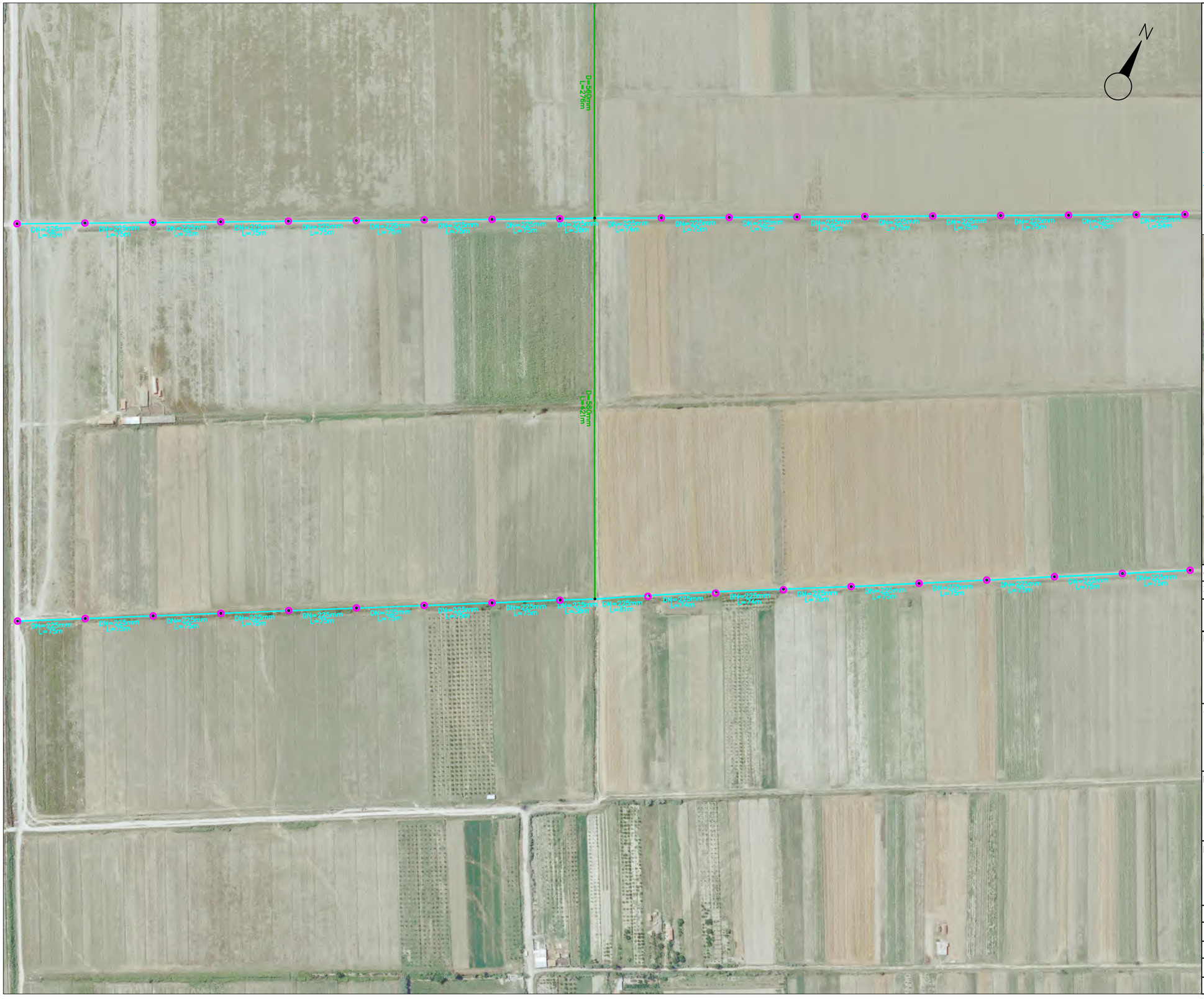
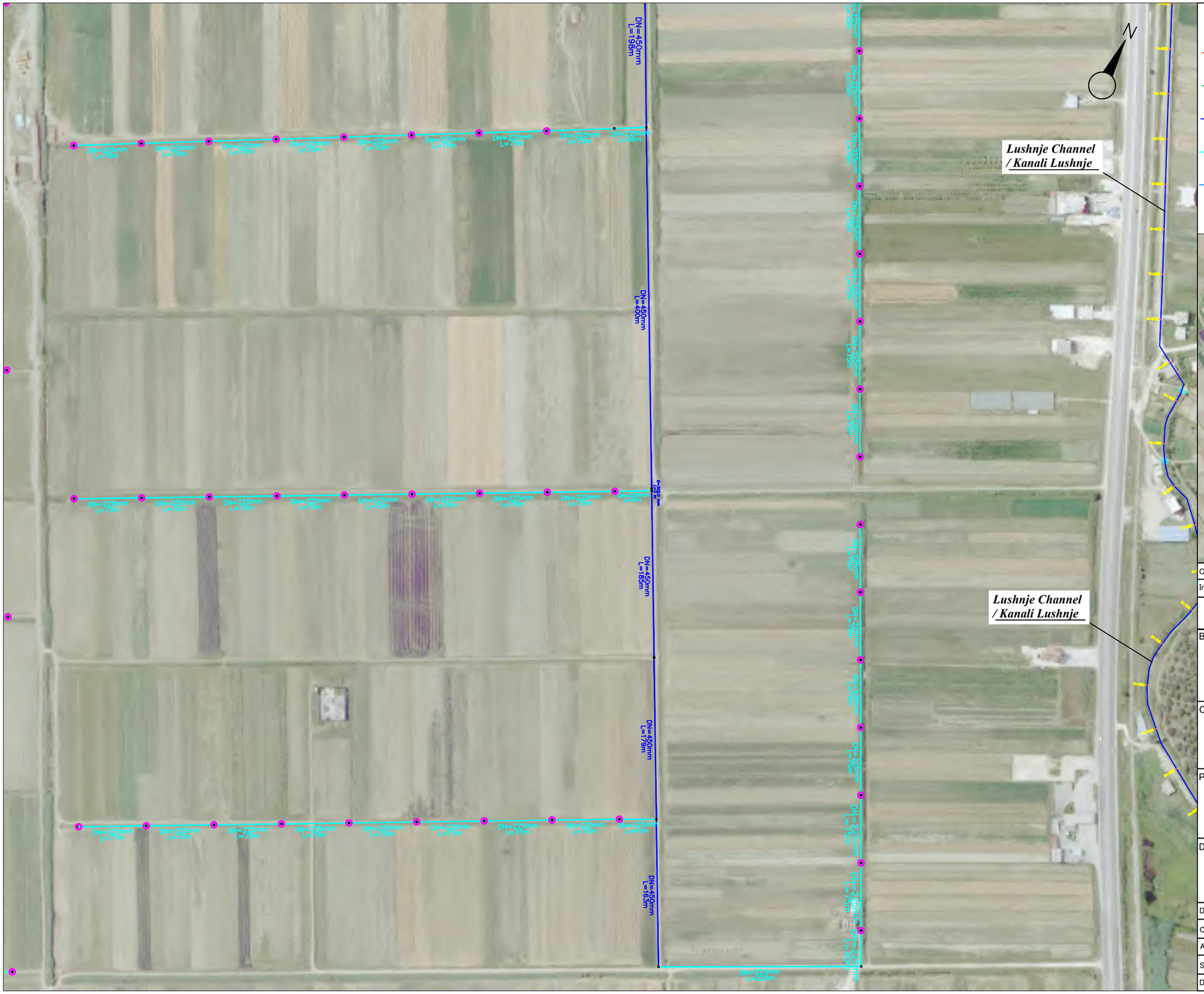
Date/Data:	12.12.2025		


DN=225mm L=76m
DN=225mm L=75m
DN=225mm L=75m
DN=225mm L=75



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- *PIPELINE HDPE DN 900* mm
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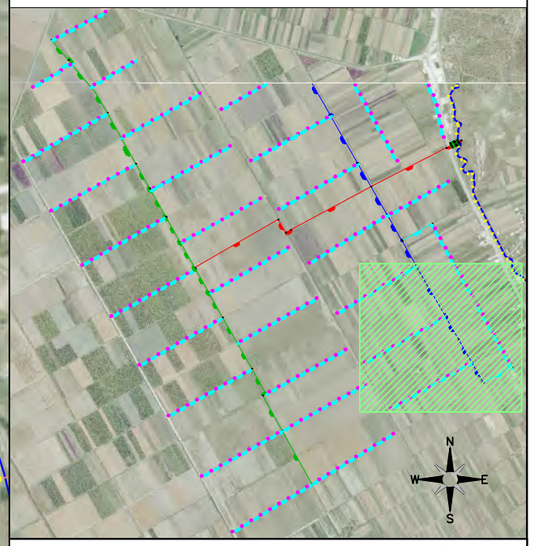
- *PIPELINE HDPE DN 200* mm
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawing title/Titulli i Vizatimit:

Partial Layout Plan of the Plug – Dushk Pressurized System /
Planimetri pjesore e sistemit me presion Plug - Dushk

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.:	DR - PRE - PD - 08
Date/Data:	12.12.2025		


DN=450mm L=376m
DN=450mm L=183m
DN=450mm L=224m
DN=450mm L=193m
DN=450mm L=198m
DN=900mm L=104m
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DN=225mm L=74m
DN=225mm L=75m
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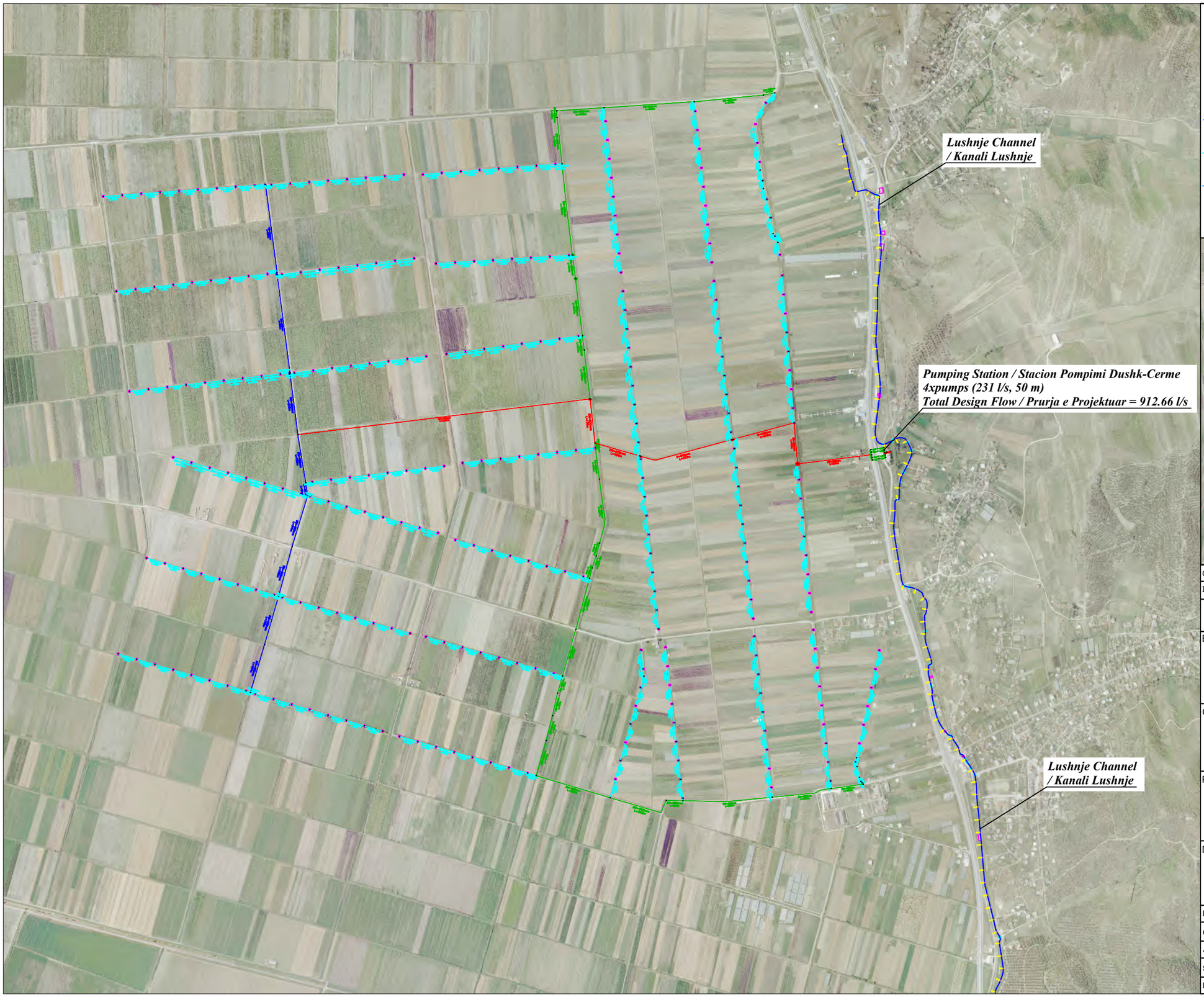

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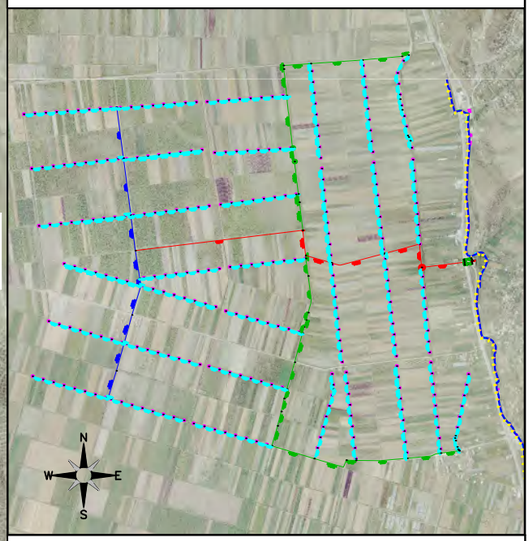
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



Coordinate Reference System / Sistemi Koordinativ Reference: WGS 84 / UTM zone 34 N

Index	Description of amendment/Pershkrimi i ndryshimeve	Date/Data	Name/Emri

Beneficiary / Financing Agency / Perfituesi / Agjencia Financuese:

MINISTRIA E BUJQËSISË DHE ZHVILLIMIT RURAL

THE WORLD BANK
IBRD • IDA

Consultant/Konsulent:

Lorenco & CO.
Mapping & GIS, Planning, Design, Engineering.

EBS
ENGINEERING CONSULTANCY

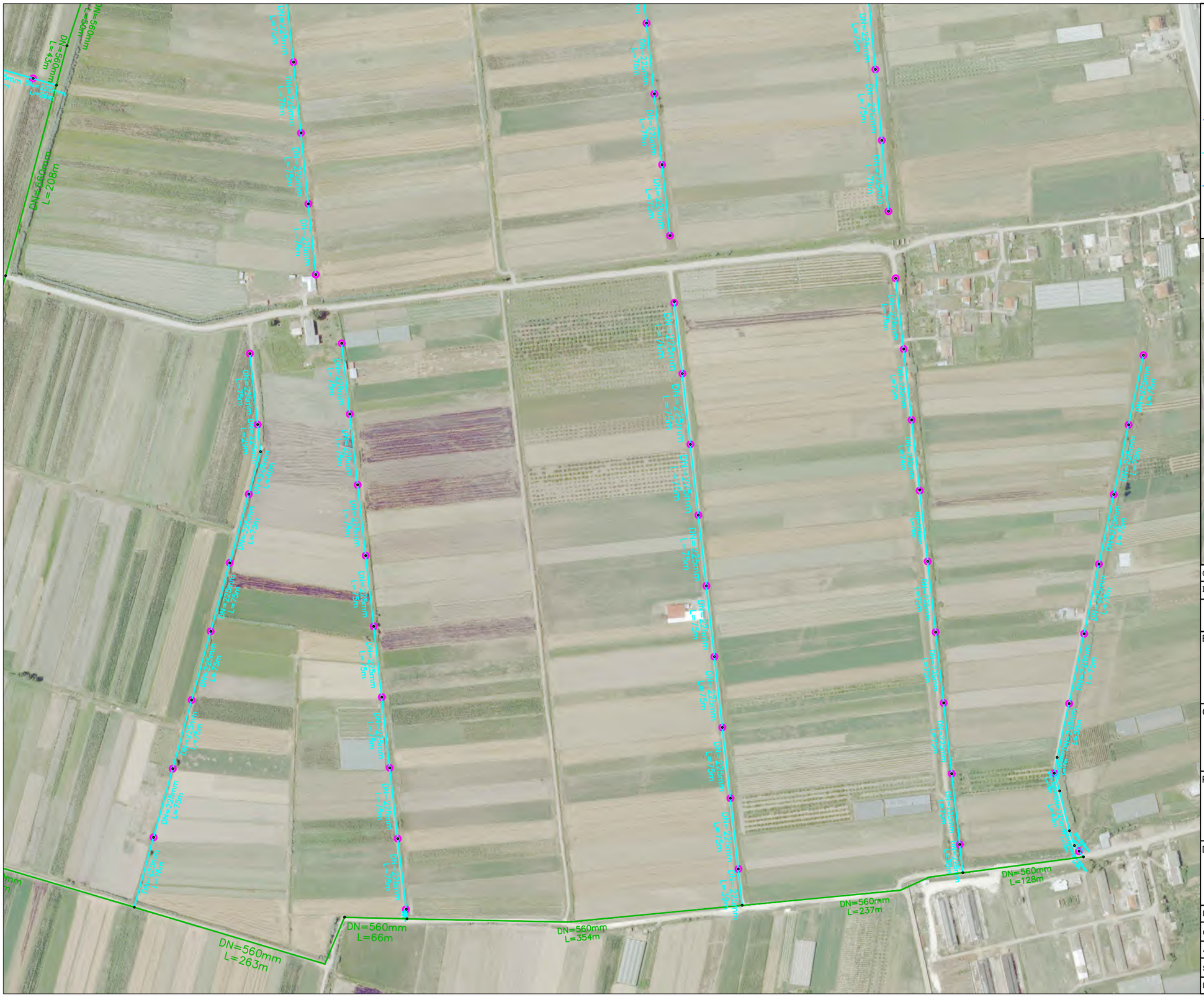
Project/Projekti:

Climate Resilience and Agricultue Development Project in Albania Pre/Feasibility Studies for the entire scheme (Lushnja irrigation scheme) /
Projekti per Zhvillimin e Bujqesise dhe Rritjen e Qendrueshmerise ndaj Klimes ne Shqiperi Studime para/Fizibiliteti per te gjithe skemen (skema e ujitjes se Lushnjes)

Drawing title/Titulli i Vizatimit:

General Layout Plan of the Dushk – Cerme Pressurized System /
Planimetri e pergjithshme e sistemit me presion Dushk - Cerme

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	15000	Drwg no/Vizatim Nr.:	DR - PRE - DC - 01
Date/Data:	12.12.2025		



LEGEND / LEGJENDA :

- *PIPELINE HDPE DN 900* mm
  LINJAT E SHPERNDARJES HDPE DN 900 mm
- *PIPELINE HDPE DN 560* mm
  LINJAT E SHPERNDARJES HDPE DN 560 mm
- *PIPELINE HDPE DN 450* mm
  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
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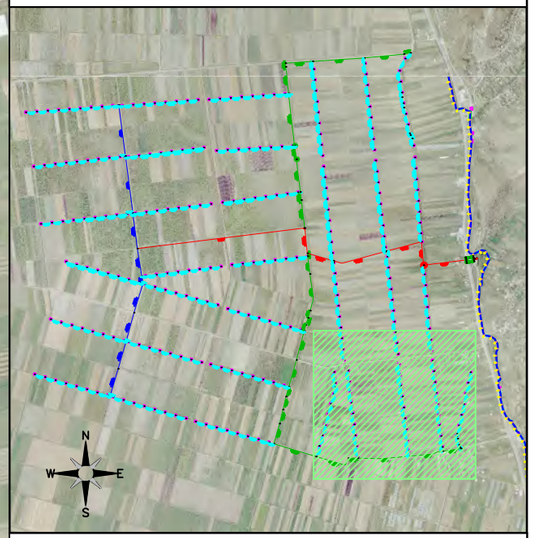
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawing title/Titulli i Vizatimit:

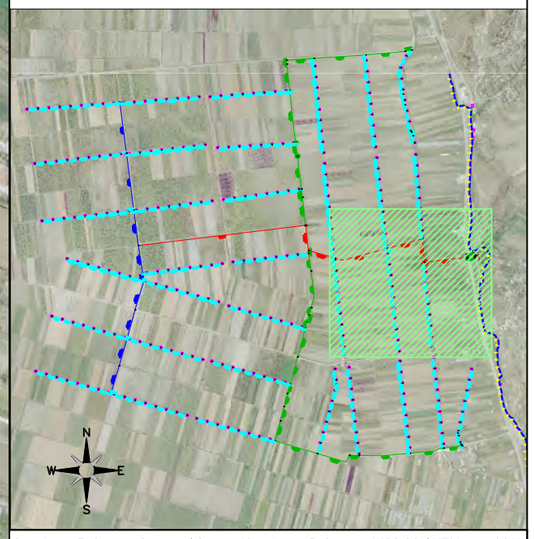
Partial Layout Plan of the Dushk – Cerme Pressurized System /
Planimetri pjesore e sistemit me presion Dushk - Cerme

Drawn by/Vizatoi:	Julian Gjoka	
Checked/Kontrolloi:	Fahri Maho	
Approved/Aprovoi:	Fahri Maho	
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.: DR - PRE - DC - 02
Date/Data:	12.12.2025	



LEGEND / LEGJENDA :

- *PIPELINE HDPE DN 900* mm
  LINJAT E SHPERNDARJES HDPE DN 900 mm
- *PIPELINE HDPE DN 560* mm
  LINJAT E SHPERNDARJES HDPE DN 560 mm
- *PIPELINE HDPE DN 450* mm
  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
- *PIPELINE HDPE DN 200* mm
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Planimetri pjesore e sistemit me presion Dushk - Cerme

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.:	DR - PRE - DC - 03
Date/Data:	12.12.2025		



LEGEND / LEGJENDA :

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  LINJAT E SHPERNDARJES HDPE DN 560 mm
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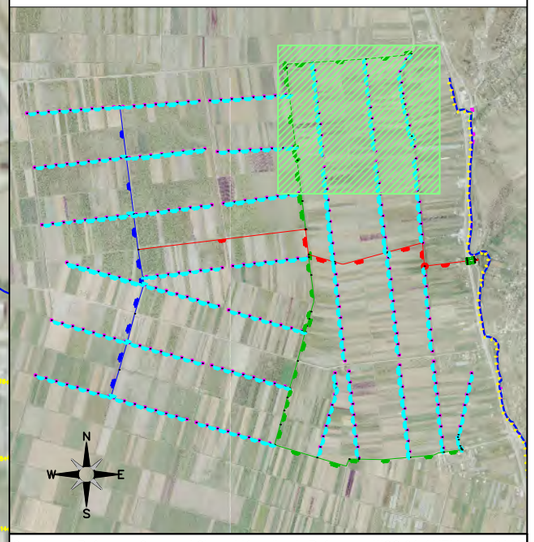
  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
- *PIPELINE HDPE DN 200* mm
  LINJAT E SHPERNDARJES HDPE DN 200 mm
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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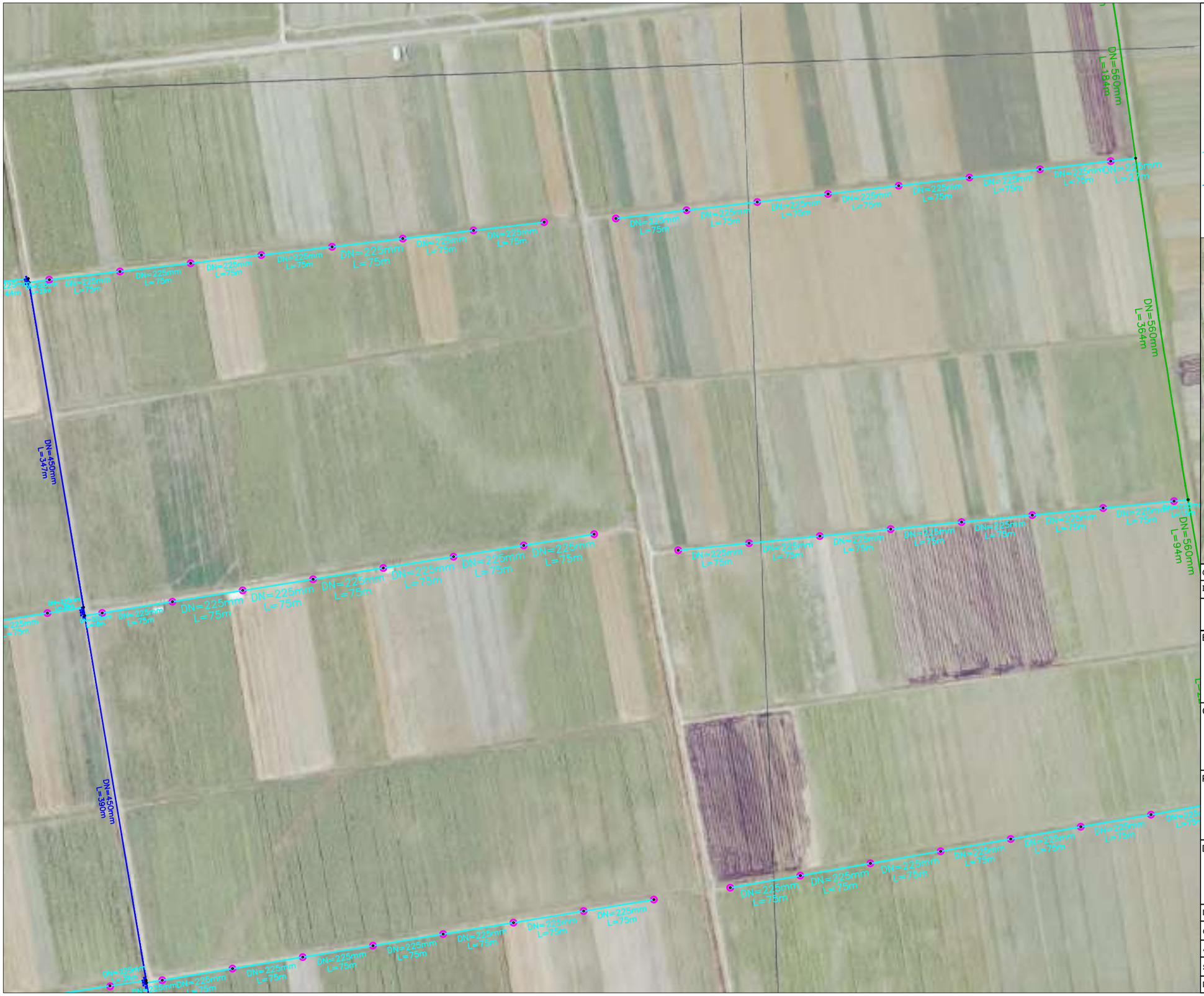
Date/Data:	12.12.2025		



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  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
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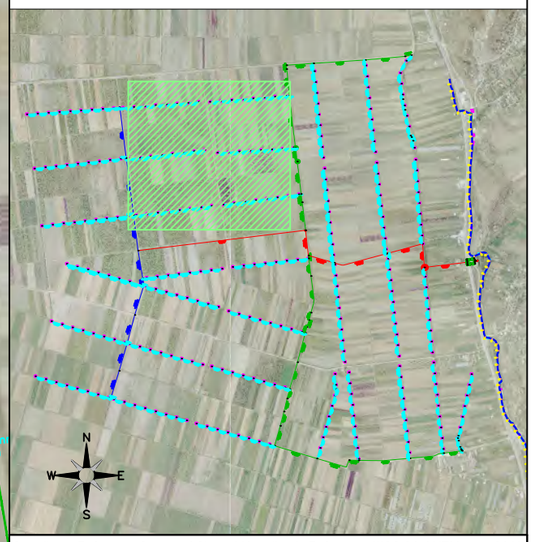

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Partial Layout Plan of the Dushk – Cerme Pressurized System /
Planimetri pjesore e sistemit me presion Dushk - Cerme

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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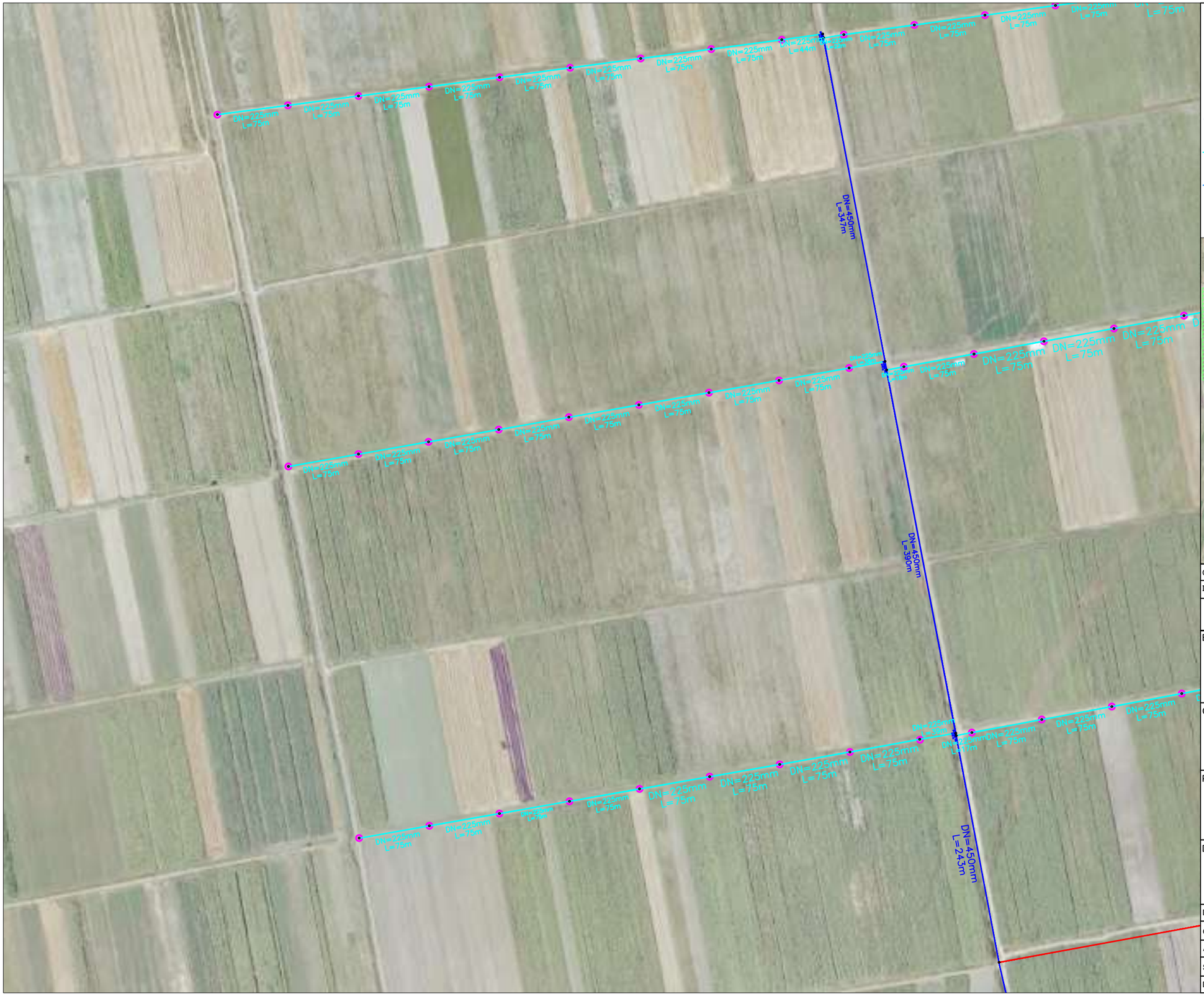
Date/Data:	12.12.2025		



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  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
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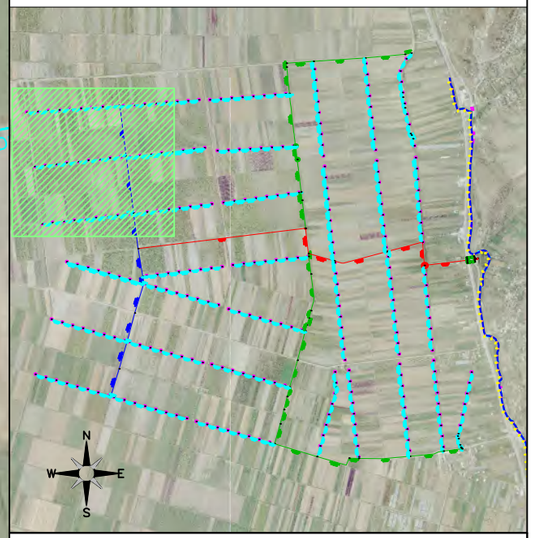
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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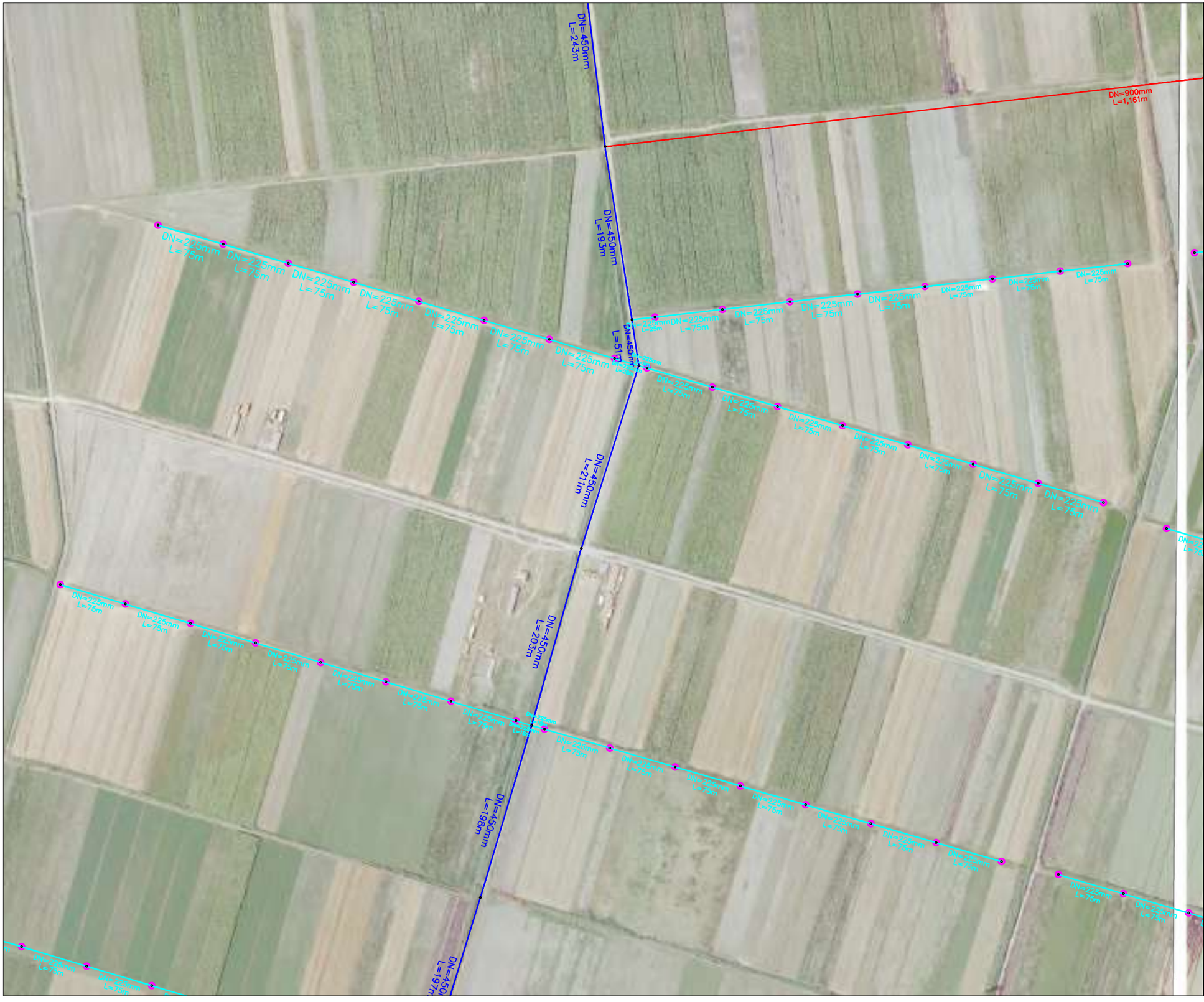
Partial Layout Plan of the Dushk – Cerme Pressurized System /
Planimetri pjesore e sistemit me presion Dushk - Cerme

Drawn by/Vizatoi:	Julian Gjoka	
Checked/Kontrolloi:	Fahri Maho	
Approved/Aprovoi:	Fahri Maho	
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.: DR - PRE - DC - 06
Date/Data:	12.12.2025	



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  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
- *PIPELINE HDPE DN 200* mm
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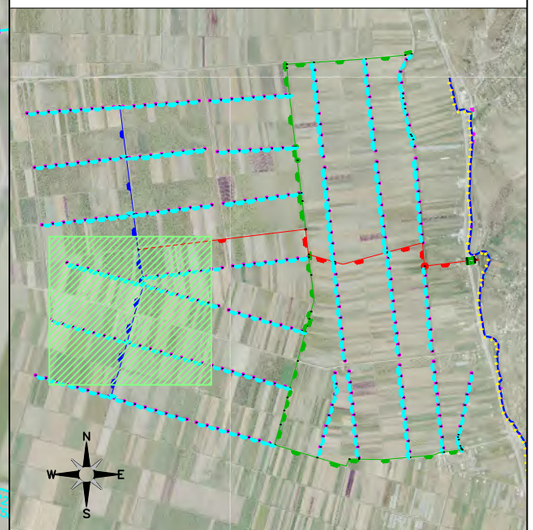
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



Coordinate Reference System / Sistemi Koordinativ Reference: WGS 84 / UTM zone 34 N

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Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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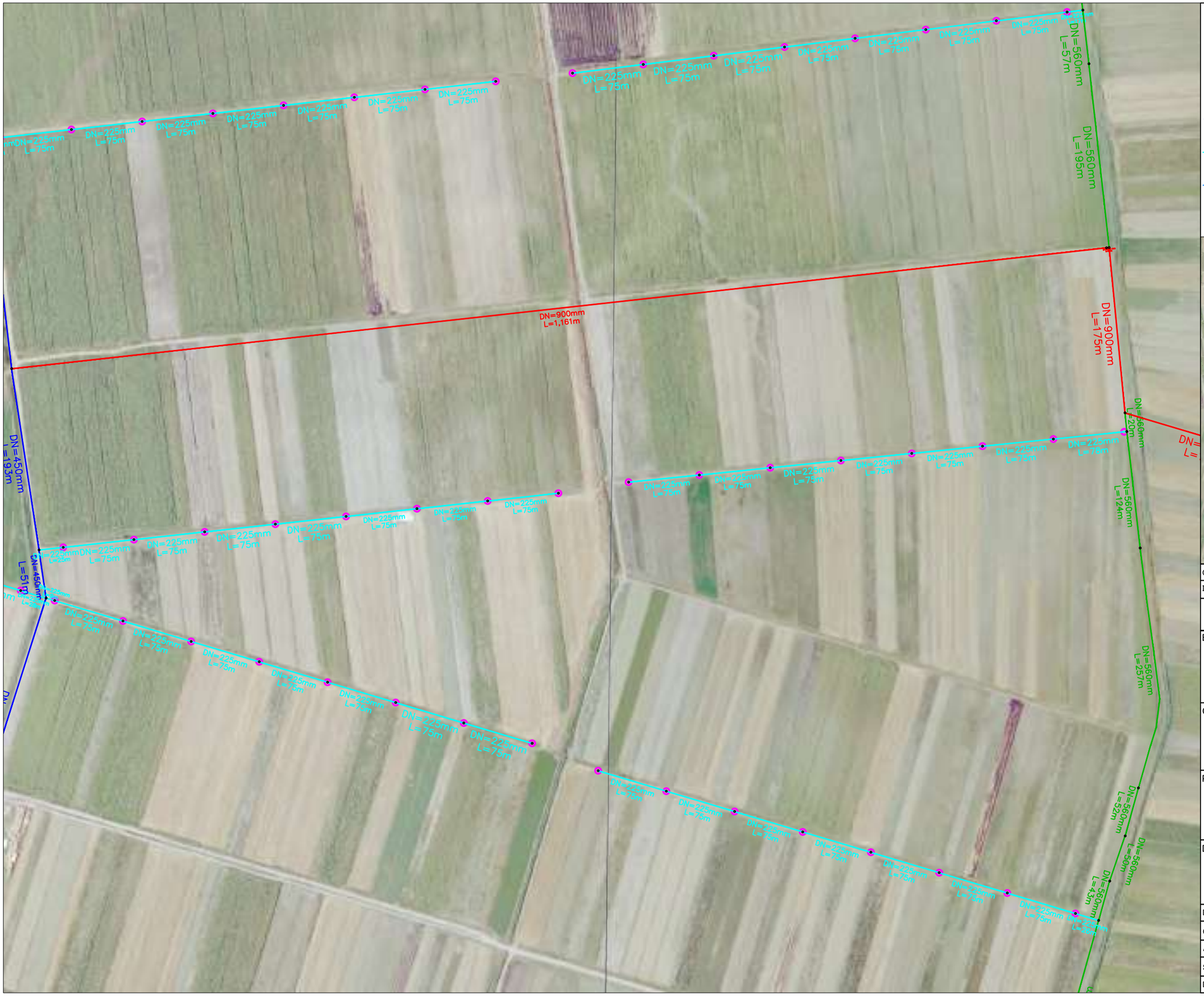
Date/Data:	12.12.2025		



LEGEND / LEGJENDA :

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- *PIPELINE HDPE DN 560* mm
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  LINJAT E SHPERNDARJES HDPE DN 450 mm
- *PIPELINE HDPE DN 225* mm
  LINJAT E SHPERNDARJES HDPE DN 225 mm
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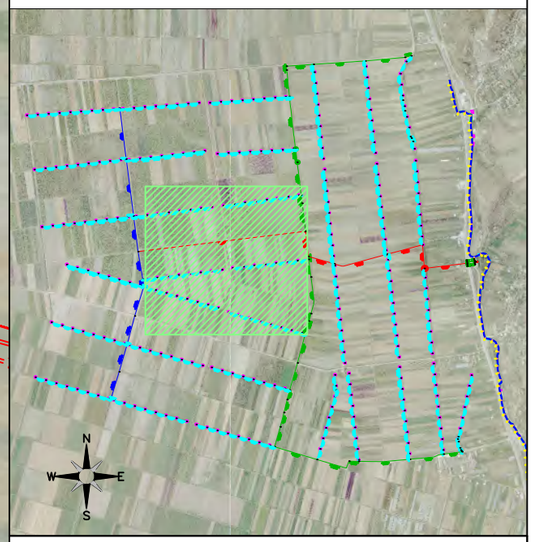
- *SUPPLY OUTLET POINT / PIKAT E FURNIZMIT*



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Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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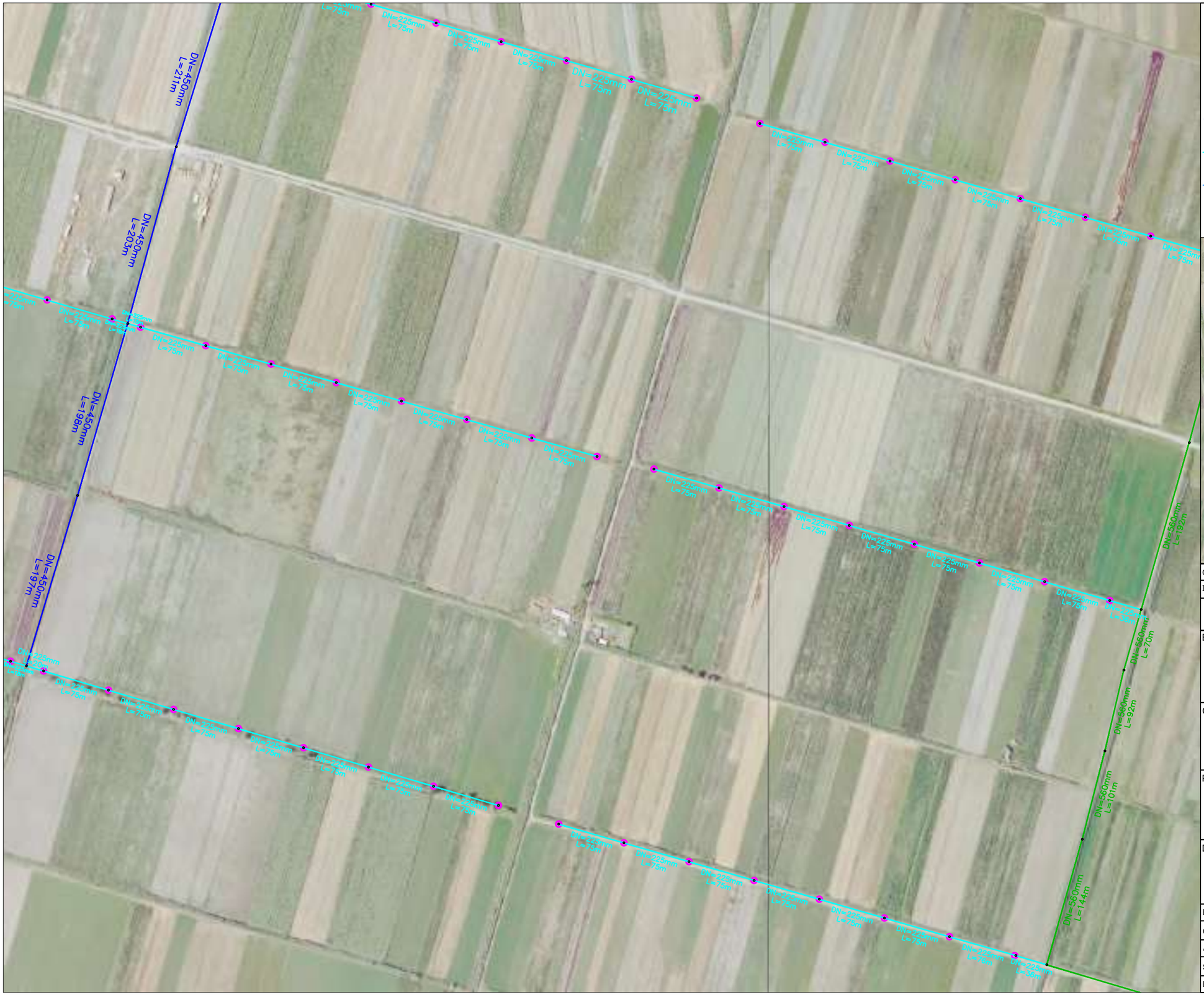
Date/Data:	12.12.2025		



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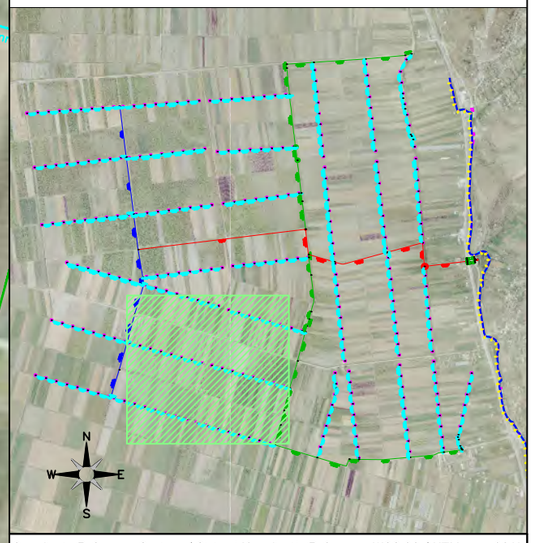

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Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
Scale/Shkalla:	4000	Drwg no/Vizatim Nr.:	DR - PRE - DC - 09
Date/Data:	12.12.2025		



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Coordinate Reference System / Sistemi Koordinativ Reference: WGS 84 / UTM zone 34 N

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Drawing title/Titulli i Vizatimit:

General Layout of the Bypass Option of Lushnje Channel /
Planimetri e Pergjithshme e Opsionit te Bypass-it te Kanalit te Lushnjes

Drawn by/Vizatoi:	Julian Gjoka		
Checked/Kontrolloi:	Fahri Maho		
Approved/Aprovoi:	Fahri Maho		
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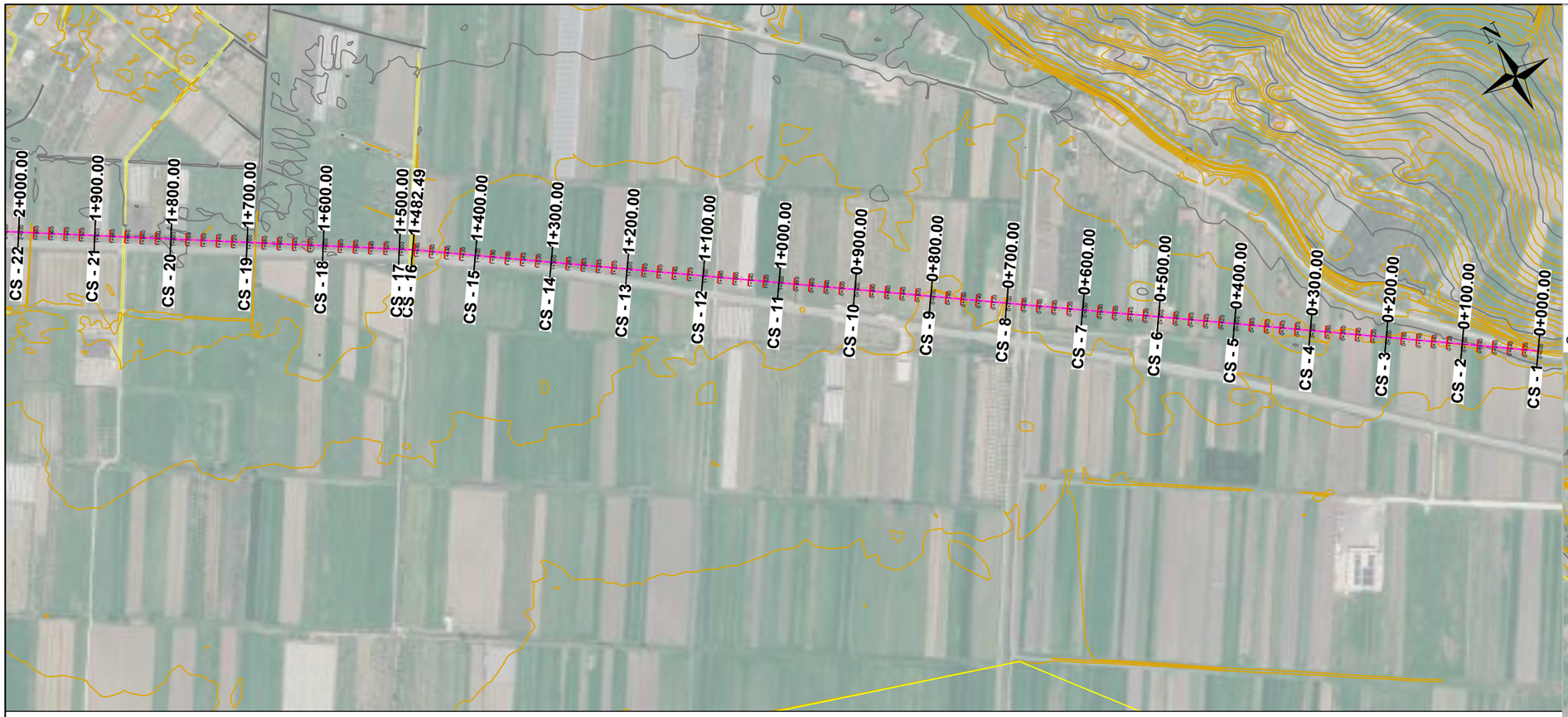
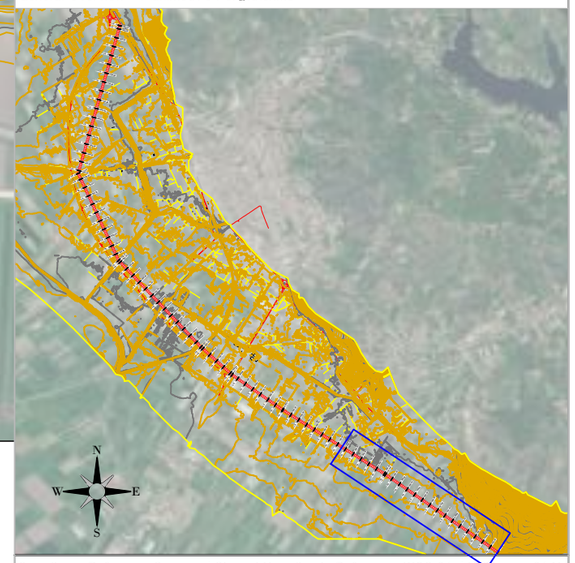
Date/Data:	15.06.2026		



General Overview / Planimetri e Pergjithshme



Profili Gjatesor "Aksi"
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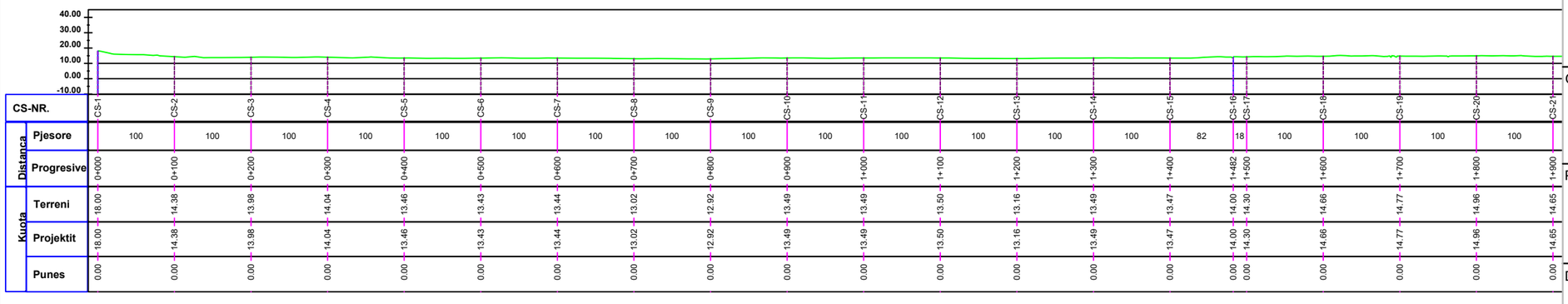
V:2500.000



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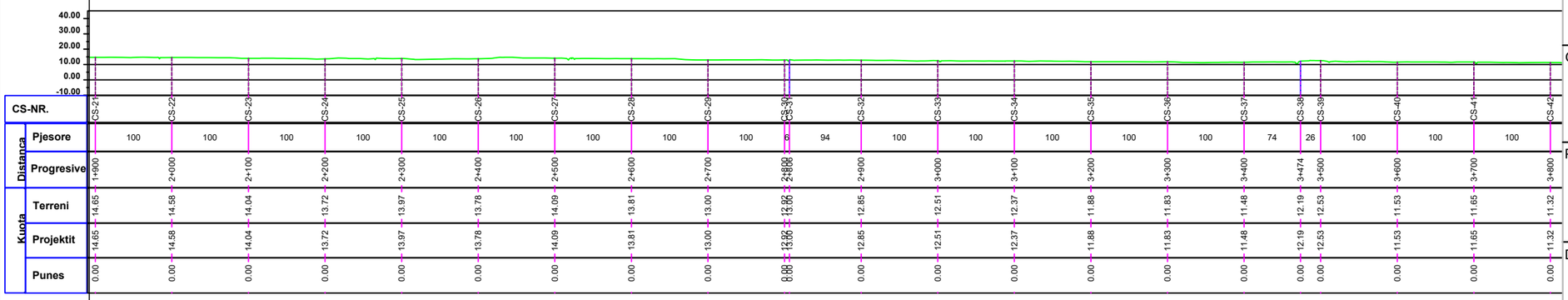
General Overview / Planimetri e Pergjithshme



Profili Gjatesor "Aksi"
H:5000.000
V:2500.000



CS-NR.		CS-21	CS-22	CS-23	CS-24	CS-25	CS-26	CS-27	CS-28	CS-29	CS-30	CS-31	CS-32	CS-33	CS-34	CS-35	CS-36	CS-37	CS-38	CS-39	CS-40	CS-41	CS-42
Distanca	Pjesore	100	100	100	100	100	100	100	100	100	8	94	100	100	100	100	100	74	26	100	100	100	
	Progresive	1+900	2+000	2+100	2+200	2+300	2+400	2+500	2+600	2+700	2+806.39	2+806.39	2+900	3+000	3+100	3+200	3+300	3+400	3+474	3+500	3+600	3+700	3+800
Kuota	Terreni	14.65	14.58	14.04	13.72	13.97	13.78	14.09	13.81	13.00	13.00	13.00	12.85	12.51	12.37	11.88	11.83	11.48	12.19	12.53	11.53	11.65	11.32
	Projektit	14.65	14.58	14.04	13.72	13.97	13.78	14.09	13.81	13.00	13.00	13.00	12.85	12.51	12.37	11.88	11.83	11.48	12.19	12.53	11.53	11.65	11.32
	Punes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Coordinate Reference System / Sistemi Koordinativ Reference: WGS 84 / UTM zone 34 N

Index	Description of amendment/Pershkrimi i ndryshimeve	Date/Data	Name/Emri

Beneficiary / Financing Agency / Perfituesi / Agjencia Financuese:

MINISTRIA E BUJQËSISË DHE ZHVILLIMIT RURAL

THE WORLD BANK
IBRD • IDA

Consultant/Konsulent:

Lorenco & CO.
Mapping & GIS, Planning, Design, Engineering.

EBS
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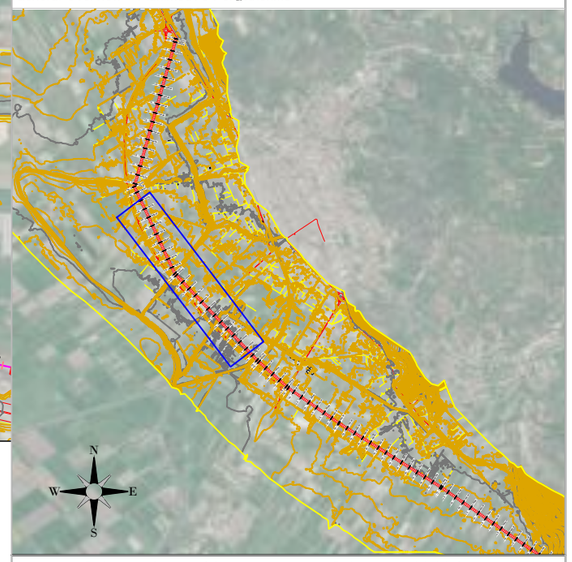
Drawing title/Titulli i Vizatimit:

Partial Layout and Profile of the Bypass Option of Lushnje Channel /
Planimetri Pjesore dhe Profili i Opsionit te Bypass-it te Kanalit te Lushnjes

Drawn by/Vizatoi:	Julian Gjoka	
Checked/Kontrolloi:	Fahri Maho	
Approved/Aprovoi:	Fahri Maho	
Scale/Shkalla:	1:6600	Drwg no/Vizatim Nr.: DR - LUSH - BP - 02
Date/Data:	15.06.2026	



General Overview / Planimetri e Pergjithshme



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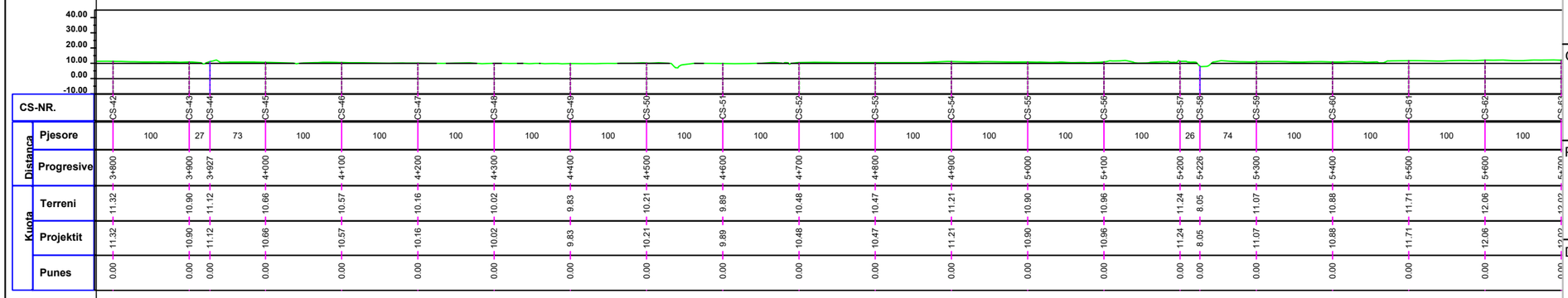

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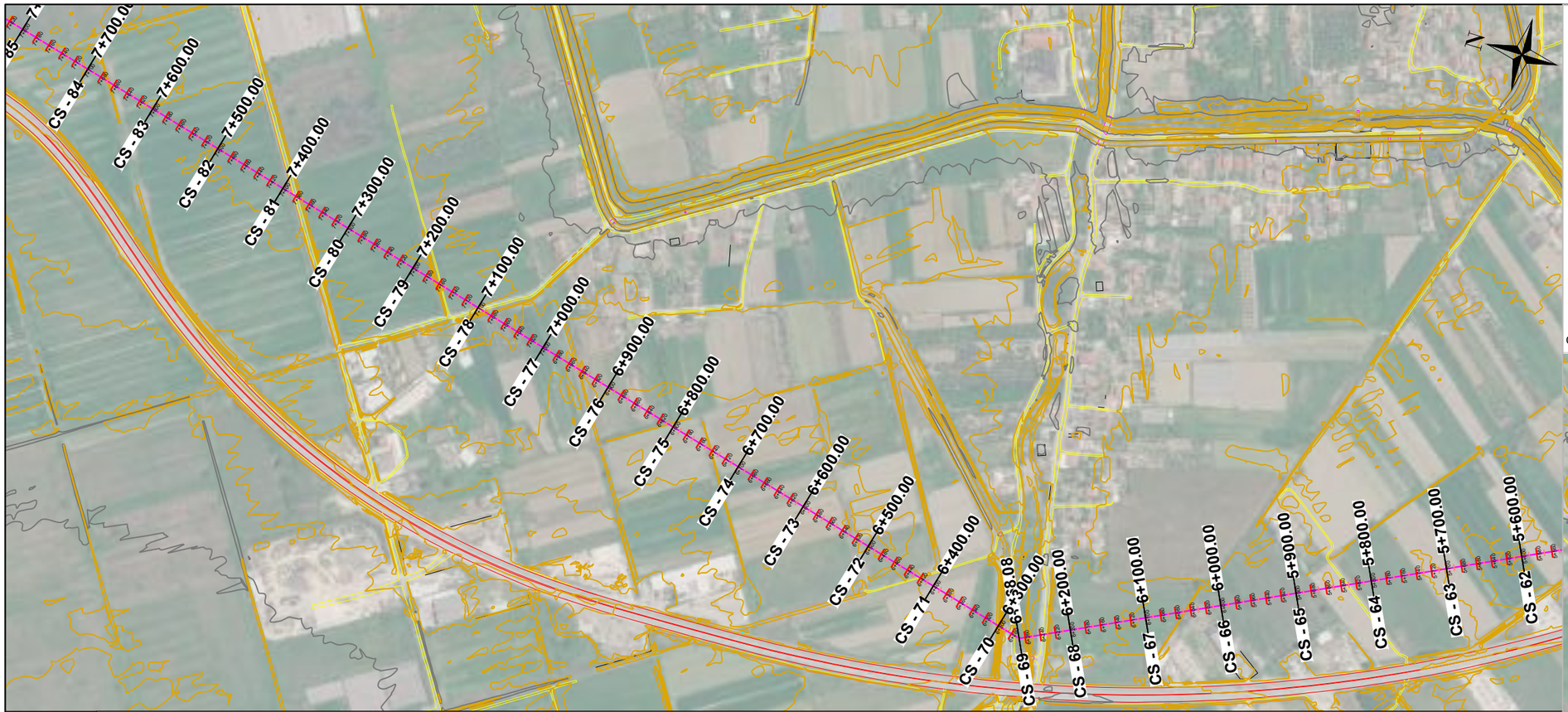

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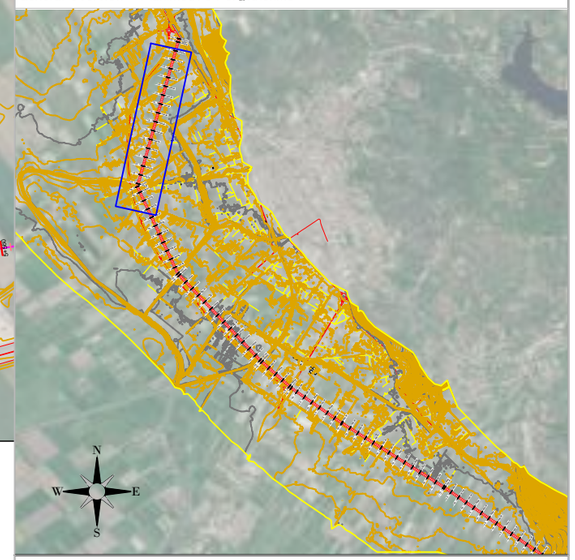

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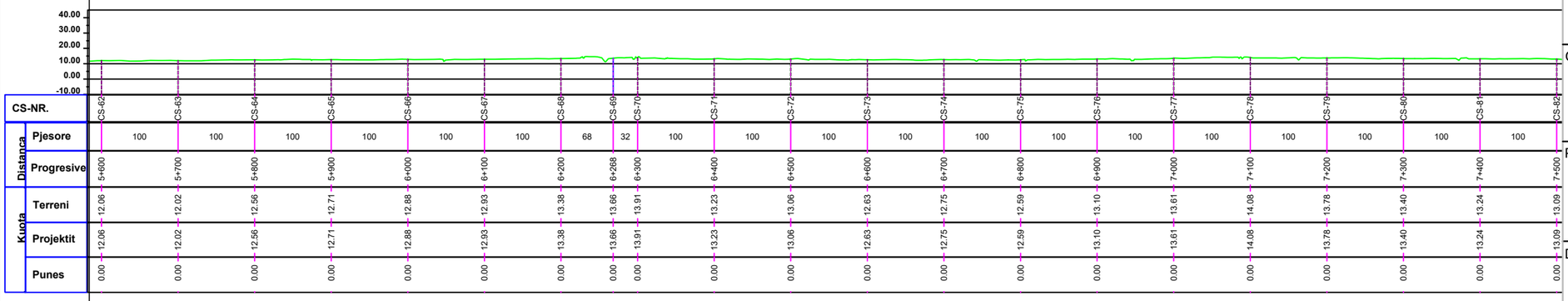

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Distanca	Pjesore		100	100	100	100	100	100	68	32	100	100	100	100	100	100	100	100	100	100	100	100
	Progresive	5+600	5+700	5+800	5+900	6+000	6+100	6+200	6+268	6+300	6+400	6+500	6+600	6+700	6+800	6+900	7+000	7+100	7+200	7+300	7+400	7+500
Kuota	Terreni	12.06	12.02	12.56	12.71	12.88	12.93	13.38	13.66	13.91	13.23	13.06	12.63	12.75	12.59	13.10	13.61	14.08	13.78	13.40	13.24	13.09
	Projektit	12.06	12.02	12.56	12.71	12.88	12.93	13.38	13.66	13.91	13.23	13.06	12.63	12.75	12.59	13.10	13.61	14.08	13.78	13.40	13.24	13.09
	Punes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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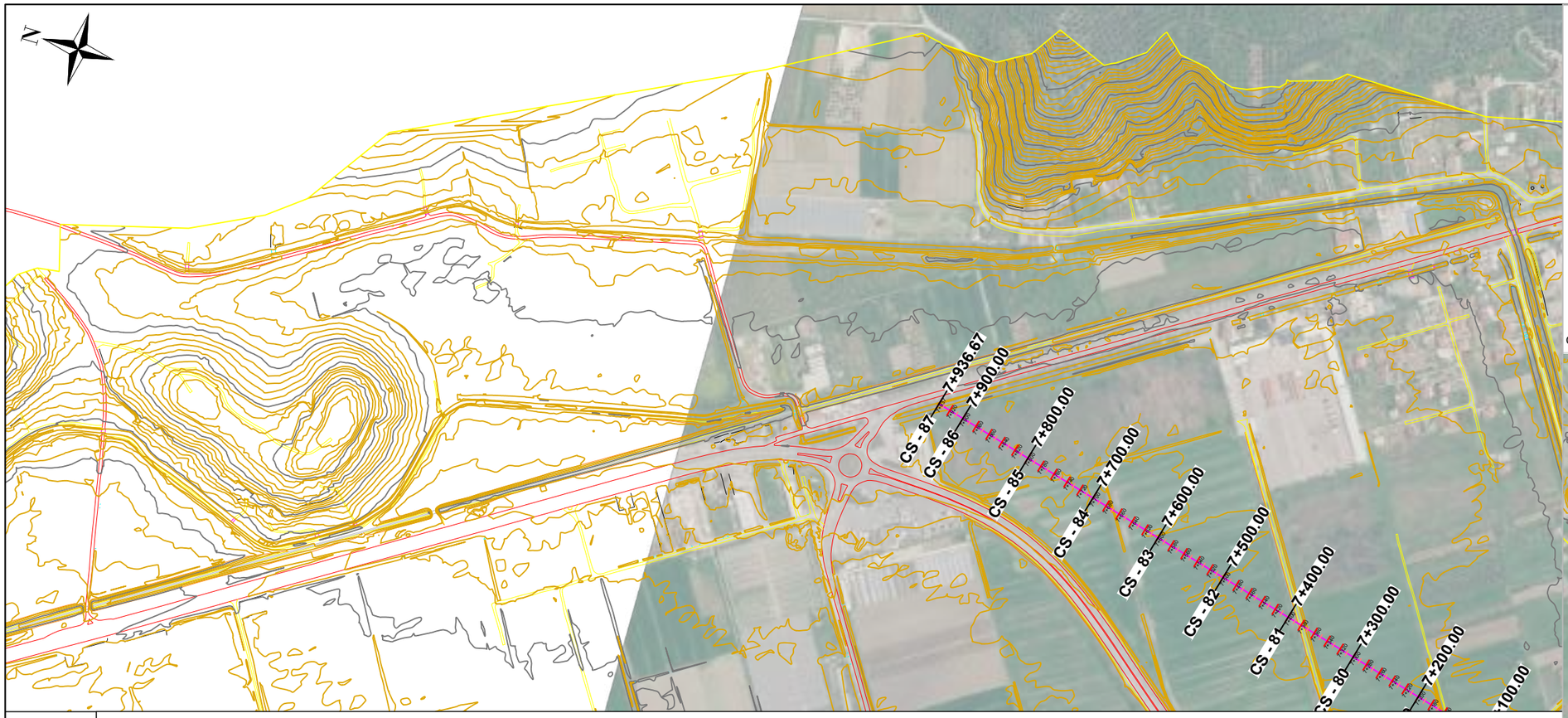

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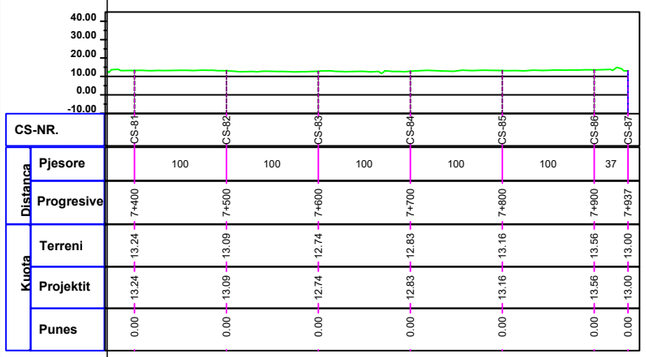

	CS-NR.	CS-81	CS-82	CS-83	CS-84	CS-85	CS-86	CS-87
Distanca	Pjesore	100	100	100	100	100	37	
	Progresive	7+400	7+500	7+600	7+700	7+800	7+900	7+937
Kuota	Terreni	13.24	13.09	12.74	12.83	13.16	13.56	13.00
	Projektit	13.24	13.09	12.74	12.83	13.16	13.56	13.00
	Punes	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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