

Titulli i projektit / Project Title:

"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE
TRAFIKUT RRUGOR"

DESIGN OF ROAD TRAFFIC MONITORING AND CONTROL SYSTEM

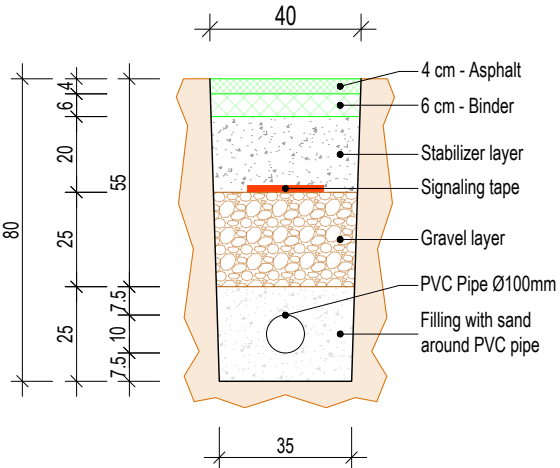
Segment Kavaja - Rrogozhine (*Kavaja Rrogozhine Highways, 10.8 km*)

GENERAL

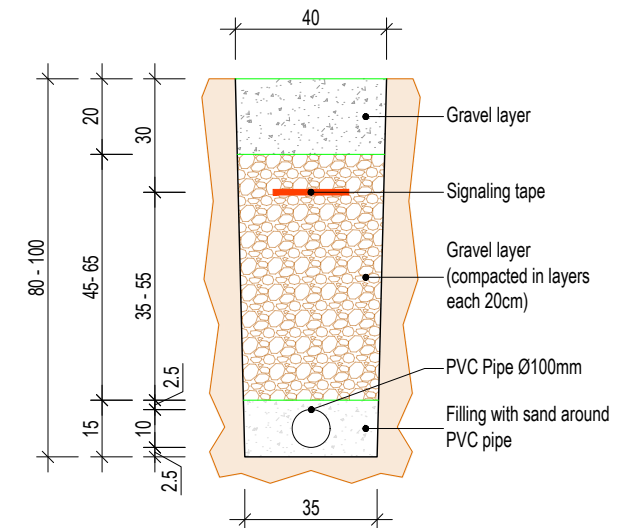
These drawings represent all the civil works that will be carried out on the Sites where the monitoring and control systems will be placed. These works include:

- 1- Preparation works (sites cleaning).
- 2- Channels excavation for placement/installation of optical fiber, main lines (from one Site to another) and secondary lines, for the installation of all elements of the "Site". This also includes excavation works for the foundations of metal structures (CCTV mounting Pole, camera structures (VSLS, LCS, LPR) etc.
- 3- Fiber channels are foreseen to be placed on the roadside, paved or unpaved, depending on the specific situation.
- 4- Typical detail for the placement of the main and secondary fiber line, obtained from the Albanian Road Authority (ARA), "Technical Rule for Laying the Underground Cable Network on Road Axes".

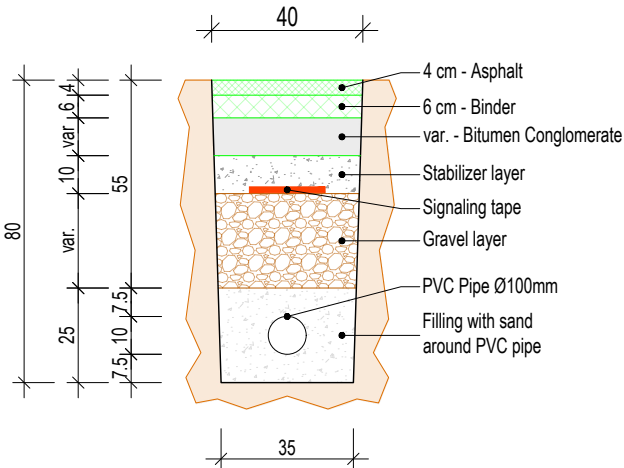
Excavation Section on asphalt, for fiber crossing, main & secondary line, Sc.1: 20



Excavation Section on unpaved shoulder, for fiber crossing, main & secondary line, Sc.1: 20



Excavation Section on asphalt, for fiber crossing, main & secondary line, Sc.1: 20



6- Layer works. After channel's opening and installing the PVC Ø100mm pipe for laying cables / fiber, layers will be built to return the site to the existing / previous condition.

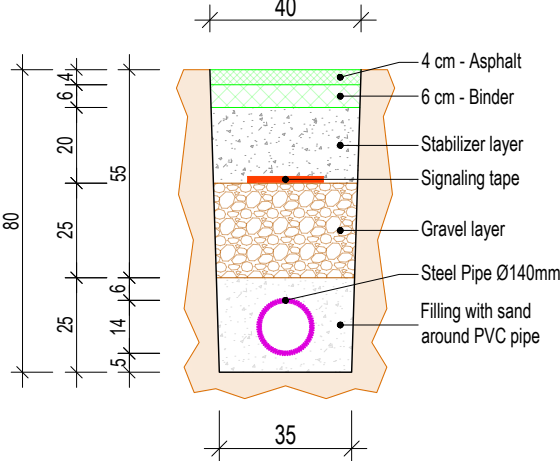
7- Concrete works. Construction of reinforced concrete foundations of metallic structures. Dimensions and reinforcement of foundations are given in the drawings: "Metallic Structures - Details". Supply and placement (assembly and installation) of metallic structures of various systems, such as LPR Gantry, VSLS - LCS Gantry, CCTV Steel Pole, etc., the drawings of which are presented in "Metallic Structures - Details".

NOTE:

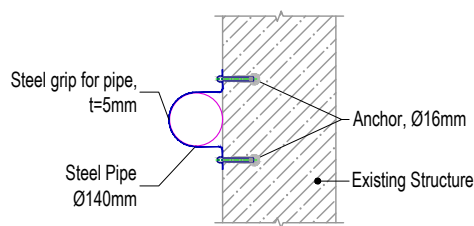
At all road cabinet & power box will be placed a guard-rail (at least L=2m) with 2 ends. For more details on the guardrails, see the relevant drawings

5- At intersections, it is envisaged that the fiber optic line will be crossed (protected) inside a steel pipe, Ø140mm. Steel pipe will also be used in cases of transitions to structures.

Placement of steel pipe on the road, for fiber crossing, main & secondary line, Sc.1: 20



Placement of steel pipe on existing structures, for fiber crossing, main & secondary line, Sc.1: 20



NOTE:

The road layers for the excavation sections will be verified on site by the contractor and supervisor, and in any case, the existing layer package will be applied after placement of pipes for laying cables.

● CCTV DOME Seg.No	CCTV Camera	
◀ LPR Ramp Seg.No	LPR RAMP	
■ TSNs-No	TRAFFIC SIGNAL RAMP	
◀ LPR Speed Seg.-No	LPR SPEED CAMERA	
WS No	METEO WS	
■ SOS Seg.No	SOS EPS	
VMS	VMS Electronic Table	
VSLS/LCS Seg.-No	VSLS / LCS	
iWIM	iWIM	
RC Ns	Road Cabinet	
PB Ns	Power Box	
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarkation Point	
MH No	Manhole	
Gantry VSLS / LCS	Metallic structure for installation of VSLS / LCS systems. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-001 to K-004	
LPR Gantry	Metallic structure for installation of LPR systems. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-005 to K-011	
SPNs-15m	CCTV Steel Pole, Height 15m	Metallic structure for installation of CCTV systems. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-012 to K-013
SPNs-4m	Steel Pole, Height 4m	Metallic structure for installation of LPR Speed, LPR Ramp, Traffic Signal Ramp systems etc. Dimensions and details are given in the document "Metallic Structures - Details", sheet K-014
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	Metallic structure for installation of LPR Speed, LPR Ramp etc. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-015 to K-017
CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	Metallic structure for installation of LPR Speed, LPR Ramp etc. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-018 to K-020
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	Metallic structure for installation of LPR Speed, LPR Ramp etc. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-021 to K-023
Metallic Structure - VMS		
CPFlag	Flag Cantilever	Metallic structure for installation of LPR Speed, LPR Ramp etc. Dimensions and details are given in the document "Metallic Structures - Details", sheets K-024 to K-025
Support for VMS / VSLS / LPR		
TO No SITE	To Site (No of Site)	Direction symbol, from one Site to another Site
Optic Fibre (Main Line)		Main optic fiber line from Site "i" to Site "i+1". Fiber channels are foreseen to be placed on the roadside, paved or unpaved. Furthermore, see "Typical detail for the placement of the main and secondary fiber line"
Optic Fibre (Secondary Line)		Secondary optic fiber line. Fiber channels are foreseen to be placed on the roadside, paved or unpaved. Furthermore, see "Typical detail for the placement of the main and secondary fiber line"
Steel Pipe Ø140mm		Steel Pipe Ø140mm to protect main and secondary fiber line at intersections or crossing existing structures. Furthermore, see details for placing steel pipe on road or in existing structures

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN SH.P.K."

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Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE

"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"

KLIENTI / CLIENT MIE & ARRSH

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

ENËRTIMI I VIZATIMIT / DRAWING TITLE

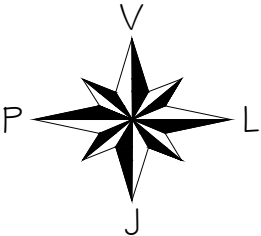
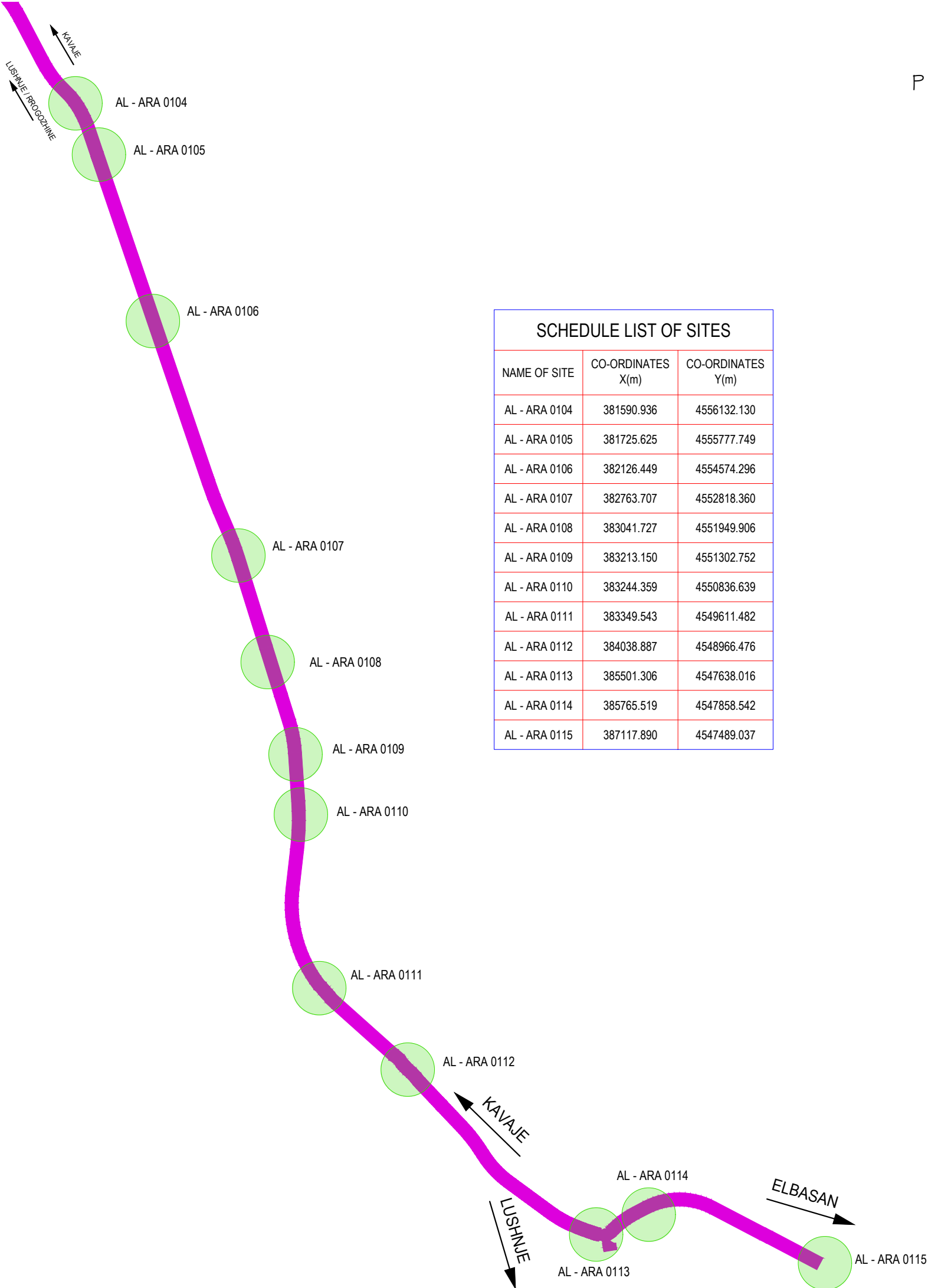
General

SHKALLA / SCALE 1:20 DATA/DATE February 2022

KODI I VIZATIMIT / DRAWING CODE Nr. I VIZATIMIT / DRAWING NO.

KODI	FAZA/PHASE	DISIPLINA	I-129
B.T	P.Z	I	

FORMAT: A3 (420mmx297mm)



SCHEDULE LIST OF SITES		
NAME OF SITE	CO-ORDINATES X(m)	CO-ORDINATES Y(m)
AL - ARA 0104	381590.936	4556132.130
AL - ARA 0105	381725.625	4555777.749
AL - ARA 0106	382126.449	4554574.296
AL - ARA 0107	382763.707	4552818.360
AL - ARA 0108	383041.727	4551949.906
AL - ARA 0109	383213.150	4551302.752
AL - ARA 0110	383244.359	4550836.639
AL - ARA 0111	383349.543	4549611.482
AL - ARA 0112	384038.887	4548966.476
AL - ARA 0113	385501.306	4547638.016
AL - ARA 0114	385765.519	4547858.542
AL - ARA 0115	387117.890	4547489.037

GRUPI I PROJEKTIMIT / DESIGN TEAM

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Arkitektura	Ark. Jona Osmenaj	Licenca: <i>A.2067</i>	
Arkitektura	Ark. Nerta Konomi	Licenca: <i>A.1437/1</i>	
Elektrike	Ing. Hasan Bekteshi	Licenca: <i>E.0188/3</i>	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

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KLIENTI / CLIENT

MIE & ARRSH

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

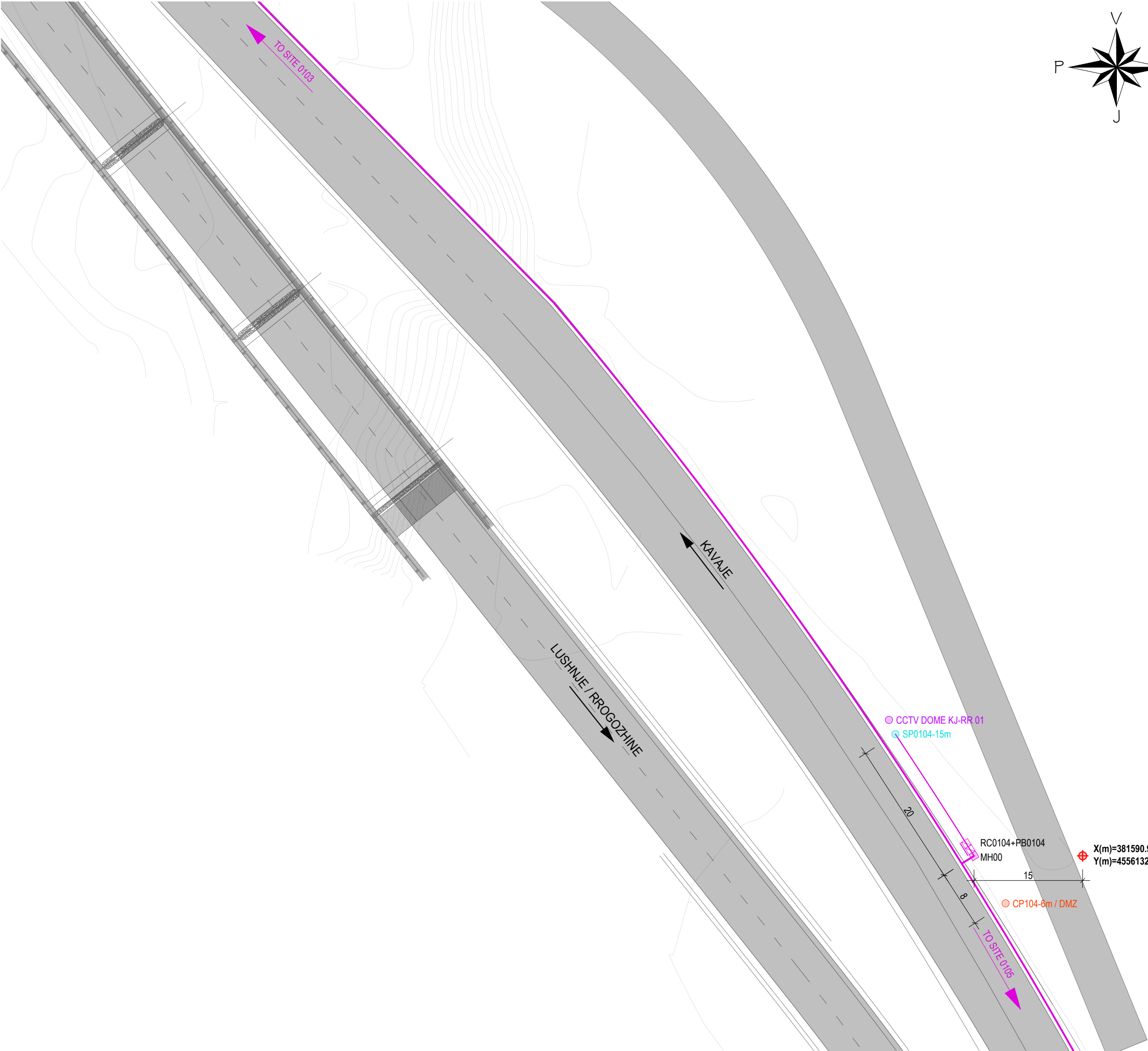
Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

Reference Plans and Coordinates of Sites

SHKALLA / SCALE	1:500	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE	Nr. I VIZATIMIT / DRAWING NO.		
KODI	FAZA/PHASE	DISIPLINA	
B.T	P.Z	I	I-130

FORMAT: A3 (420mmx297mm)



AL - ARA 0104		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.-No	CCTV Camera	1
LPR Ramp Seg.-No	LPR RAMP	0
TSNs-No	TRAFFIC SIGNAL RAMP	0
LPR Speed Seg.-No	LPR SPEED CAMERA	0
WS No	METEO WS	0
SOS Seg.-No	SOS EPS	0
VMS	VMS Electronic Table	0
VSLS/LCS Seg.-No	VSLS / LCS	0
iWIM	iWIM	0
RC Ns	Road Cabinet	1
PB Ns	Power Box	1
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarkation Point	1
MH No	Manhole	1
Gantry VSLS / LCS	Gantry VSLS / LCS	0
LPR Gantry	LPR Gantry	0
SPNs-15m	CCTV Steel Pole, Height 15m	1
SPNs-4m	Steel Pole, Height 4m	0
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	0
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	0
Support for VMS / VSLS / LPR	Support for VMS / VSLS / LPR	0
TO No SITE	To Site (No of Site)	-
Fibër Optike (Linja kryesore)	Fibër Optike (Linja kryesore)	0
Fibër Optike (Linjë sekondare)	Fibër Optike (Linjë sekondare)	22
Tub çeliku Ø70mm	Tub çeliku Ø70mm	0

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN
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TRAFIKUT RRUGOR"

KLIENTI / CLIENT **MIE & ARRSH**

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA - 0104

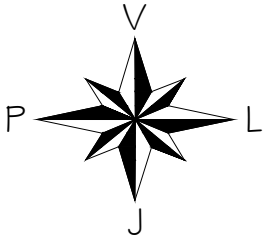
SHKALLA / SCALE	1:500	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE	Nr. I VIZATIMIT / DRAWING NO.		

KODI	FAZA/PHASE	DISIPLINA	I-131
B.T	P.Z	I	

FORMAT: A3 (420mmx297mm)

EURODRIN - PETROL STATION

EURODRIN - PETROL STATION



Existing Pedestrian Overpass
as PWR and DMZ

Existing Pedestrian Overpass

VLS/LCS KJ-RR 01

X(m)=381725.625
Y(m)=4555777.749

RC0105+PB0105
MH00

CP0105-6m-SA6m

LPR Ramp KJ-RR 01/1

LPR Ramp KJ-RR 01/2
LPR Ramp KJ-RR 01/3

AL - ARA 0105		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.-No	CCTV Camera	0
LPR Ramp Seg.-No	LPR RAMP	3
TSNs-No	TRAFFIC SIGNAL RAMP	0
LPR Speed Seg.-No	LPR SPEED CAMERA	0
WS No	METEO WS	0
SOS Seg.-No	SOS EPS	0
VMS	VMS Electronic Table	0
VLS/LCS Seg.-No	VLSL / LCS	1
iWIM	iWIM	0
RC Ns	Road Cabinet	1
PB Ns	Power Box	1
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarkation Point	0
MH No	Manhole	1
Gantry VLSL / LCS	Gantry VLSL / LCS	0
LPR Gantry	LPR Gantry	0
SPNs-15m	CCTV Steel Pole, Height 15m	0
SPNs-4m	Steel Pole, Height 4m	0
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	1
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	0
Support for VMS / VLSL / LPR	Support for VMS / VLSL / LPR	1
TO No SITE	To Site (No of Site)	-
Fibër Optike (Linja kryesore)	Fibër Optike (Linja kryesore)	0
Fibër Optike (Linjë sekondare)	Fibër Optike (Linjë sekondare)	37
Tub çeliku Ø70mm	Tub çeliku Ø70mm	18

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN
SH.P.K."

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Arkitektura	Ark. Jona Osmenaj	Licenca: A.2067	
Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

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"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE
TRAFIKUT RRUGOR"

KLIENTI / CLIENT **MIE & ARRSH**

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

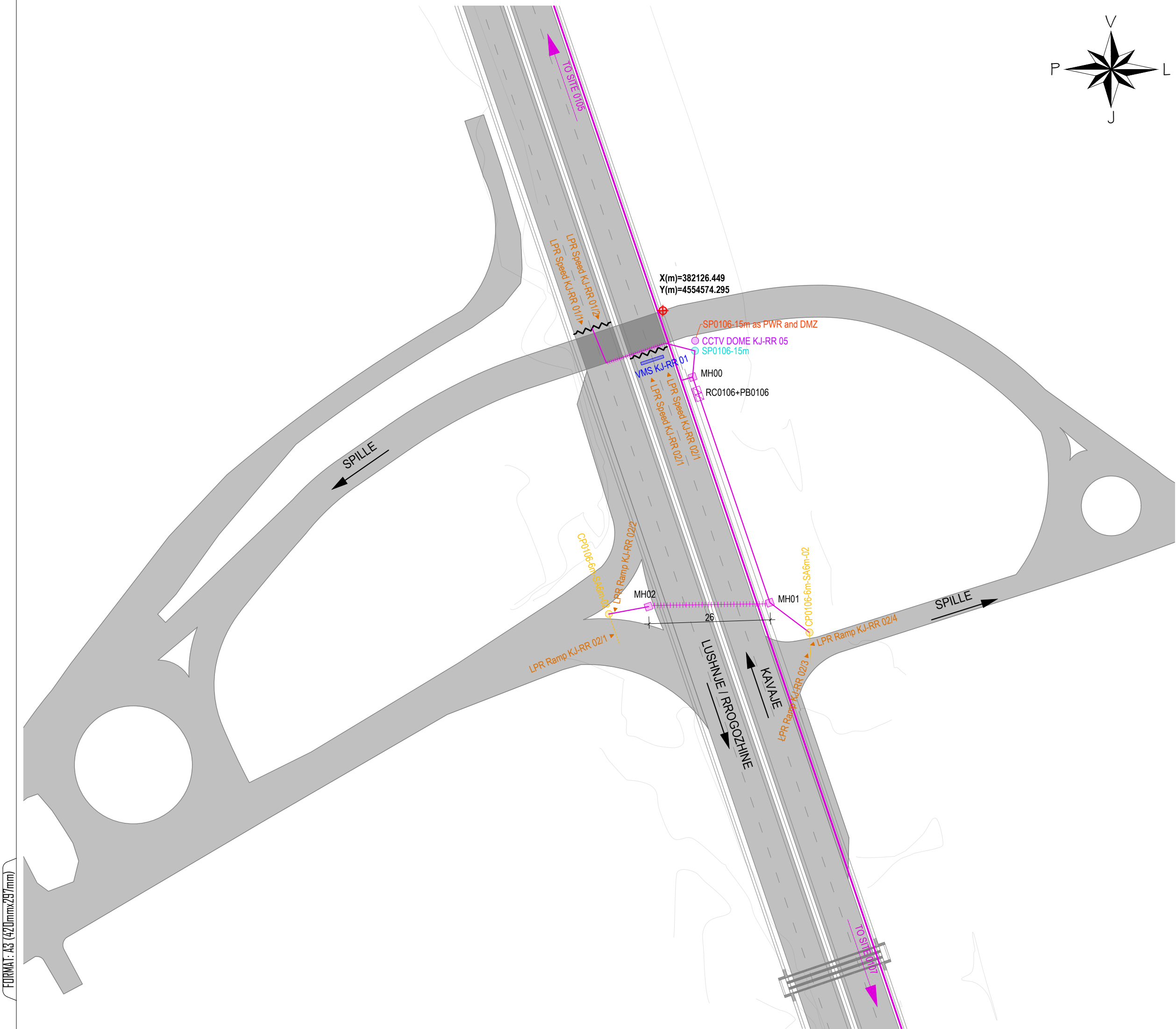
AL-ARA - 0105

SHKALLA / SCALE 1:500 DATA/DATE February 2022

KODI I VIZATIMIT / DRAWING CODE Nr. I VIZATIMIT / DRAWING NO.

KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-132
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FORMAT: A3 (420mmx297mm)



AL - ARA 0106		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.No	CCTV Camera	1
LPR Ramp Seg.No	LPR RAMP	4
TSNs-No	TRAFFIC SIGNAL RAMP	0
LPR Speed Seg.-No	LPR SPEED CAMERA	4
WS No	METEO WS	0
SOS Seg.No	SOS EPS	0
VMS	VMS Electronic Table	1
VSLs/LCS Seg.-No	VSLs / LCS	0
iWIM	iWIM	0
RC Ns	Road Cabinet	1
PB Ns	Power Box	1
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarkation Point	0
MH No	Manhole	3
Gantry VSLs / LCS	Gantry VSLs / LCS	0
LPR Gantry	LPR Gantry	0
SPNs-15m	CCTV Steel Pole, Height 15m	1
SPNs-4m	Steel Pole, Height 4m	0
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	2
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	0
Support for VMS / VSLs / LPR	Support for VMS / VSLs / LPR	2
To No SITE	To Site (No of Site)	-
Fibër Optike (Linja kryesore)	Fibër Optike (Linja kryesore)	0
Fibër Optike (Linjë sekondare)	Fibër Optike (Linjë sekondare)	122
Tub çeliku Ø70mm	Tub çeliku Ø70mm	38

No - Number
Ns - Number of Site

TRANSPORT & MOBILITY LEUVEN

TECNIC Consulting Engineers

INFRAPLAN

JV "TECHNIC - TML - INFRAPLAN SH.P.K."

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Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

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KLIENTI / CLIENT

MIE & ARRSH

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA - 0106

SHKALLA / SCALE

1:750

DATA/DATE

February 2022

KODI I VIZATIMIT / DRAWING CODE

Nr. I VIZATIMIT / DRAWING NO.

KODI

B.T

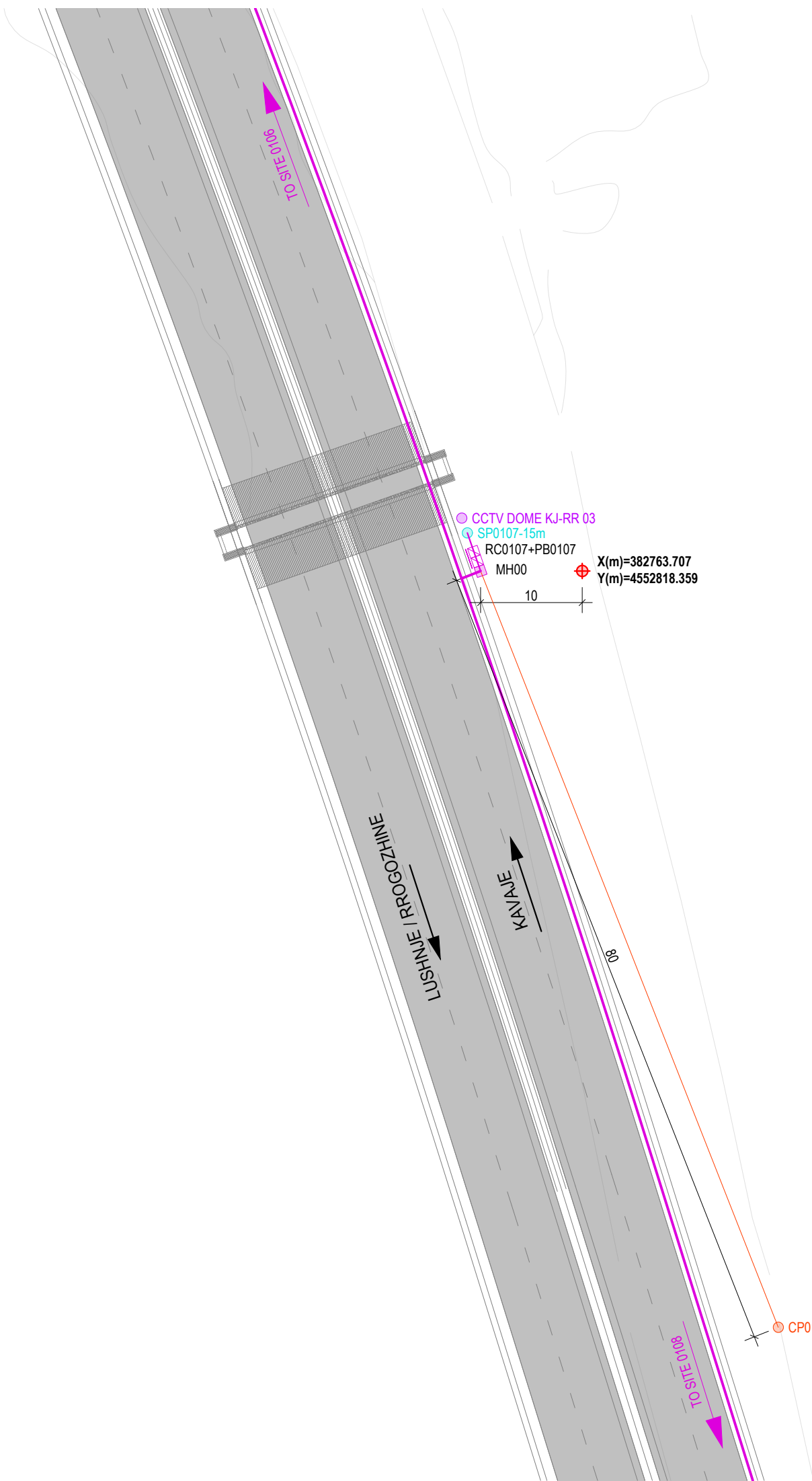
FAZA/PHASE

P.Z

DISIPLINA

I

I-133



No - Number
Ns - Number of Site

*Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri*

TECNIC
Consulting Engineers

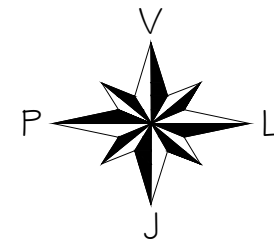
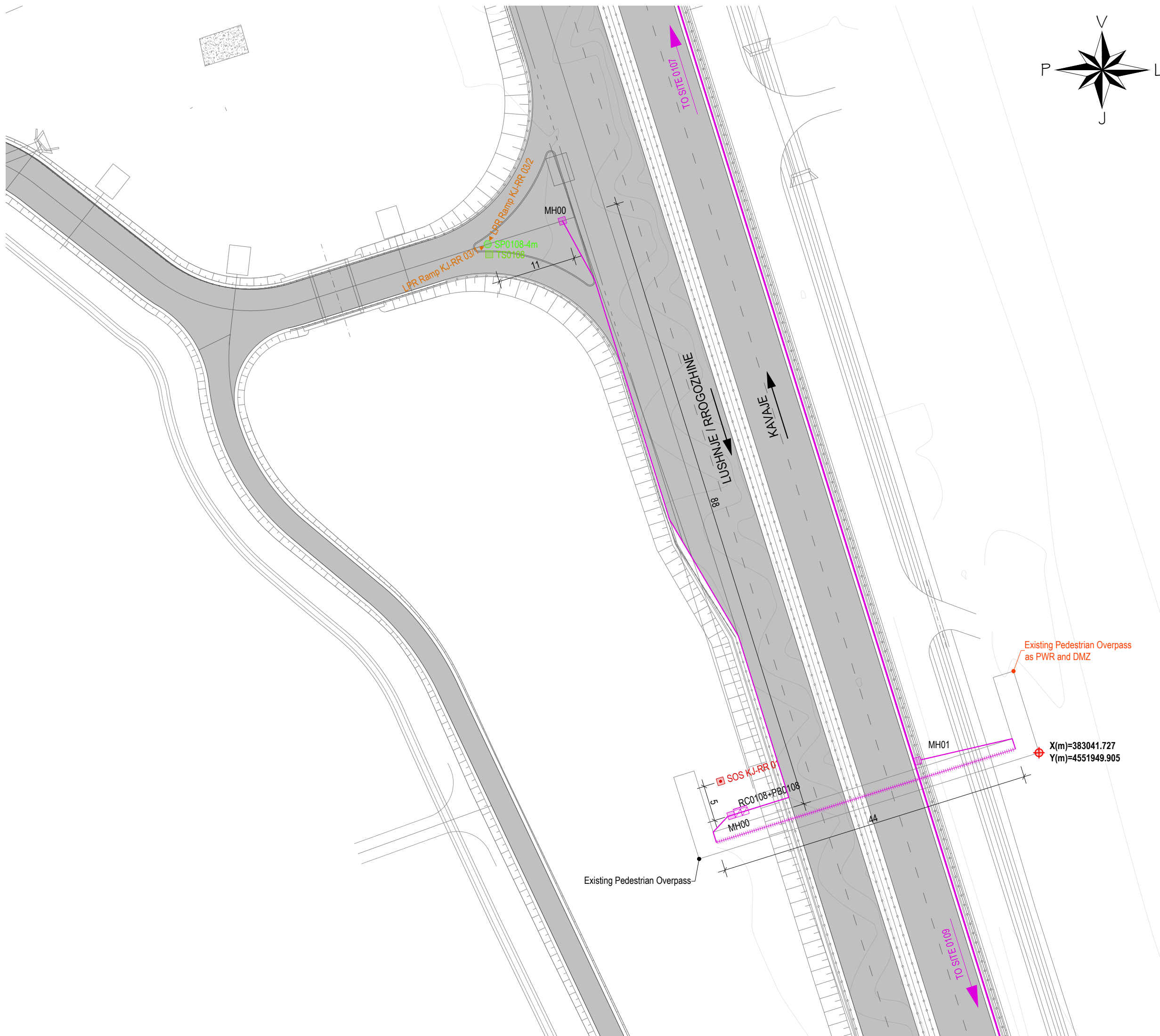


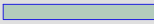
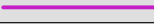
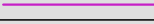
"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"

Projekt Zbatim

AL-ARA - 0107

KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-134
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AL - ARA 0108		
SYMBOL	DESCRIPTIONS	Pc
 CCTV DOME Seg.No	CCTV Camera	0
 LPR Ramp Seg.No	LPR RAMP	2
 TSNs-No	TRAFFIC SIGNAL RAMP	1
 LPR Speed Seg.-No	LPR SPEED CAMERA	0
 WS No	METEO WS	0
 SOS Seg.No	SOS EPS	1
 VMS	VMS Electronic Table	0
 VSLS/LCS Seg.-No	VSLS / LCS	0
 iWIM	iWIM	0
 RC Ns	Road Cabinet	1
 PB Ns	Power Box	1
 CPNs-6m / DMZ	Concrete Pole, Height 6m Demarkation Point	0
 MH No	Manhole	3
	Gantry VSLS / LCS	0
	LPR Gantry	0
 SPNs-15m	CCTV Steel Pole, Height 15m	0
 SPNs-4m	Steel Pole, Height 4m	1
 CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
 CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	0
 CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
	Metallic Structure - VMS	0
 CPFlag	Flag Cantilever	0
	Support for VMS / VSLS / LPR	0
 TO No SITE	To Site (No of Site)	-
	Fibër Optike (Linja kryesore)	0
	Fibër Optike (Linjë sekondare)	160
	Tub çeliku Ø70mm	44

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



**JV "TECHNIC - TML - INFRAPLAN
SH.P.K."**



*Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
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Struktura	Ing. Besjan Mulkurti	Licenca: <i>K.1552/2</i>	
Infrastruktura	Ing. Sokol Kikino	Licenca: <i>K.2012/1</i>	
Arkitektura	Ark. Jona Osmenaj	Licenca: <i>A.2067</i>	
Arkitektura	Ark. Nerta Konomi	Licenca: <i>A.1437/1</i>	
Elektrike	Ing. Hasan Bekteshi	Licenca: <i>E.0188/3</i>	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE	
1	1.1
2	2.1
3	3.1
4	4.1
5	5.1
6	6.1
7	7.1
8	8.1
9	9.1
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92	92.1
93	93.1
94	94.1
95	95.1
96	96.1
97	97.1
98	98.1
99	99.1
100	100.1

"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"

KLIENTI / CLIENT	MIE & ARRSH
------------------	-------------

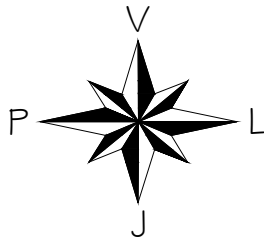
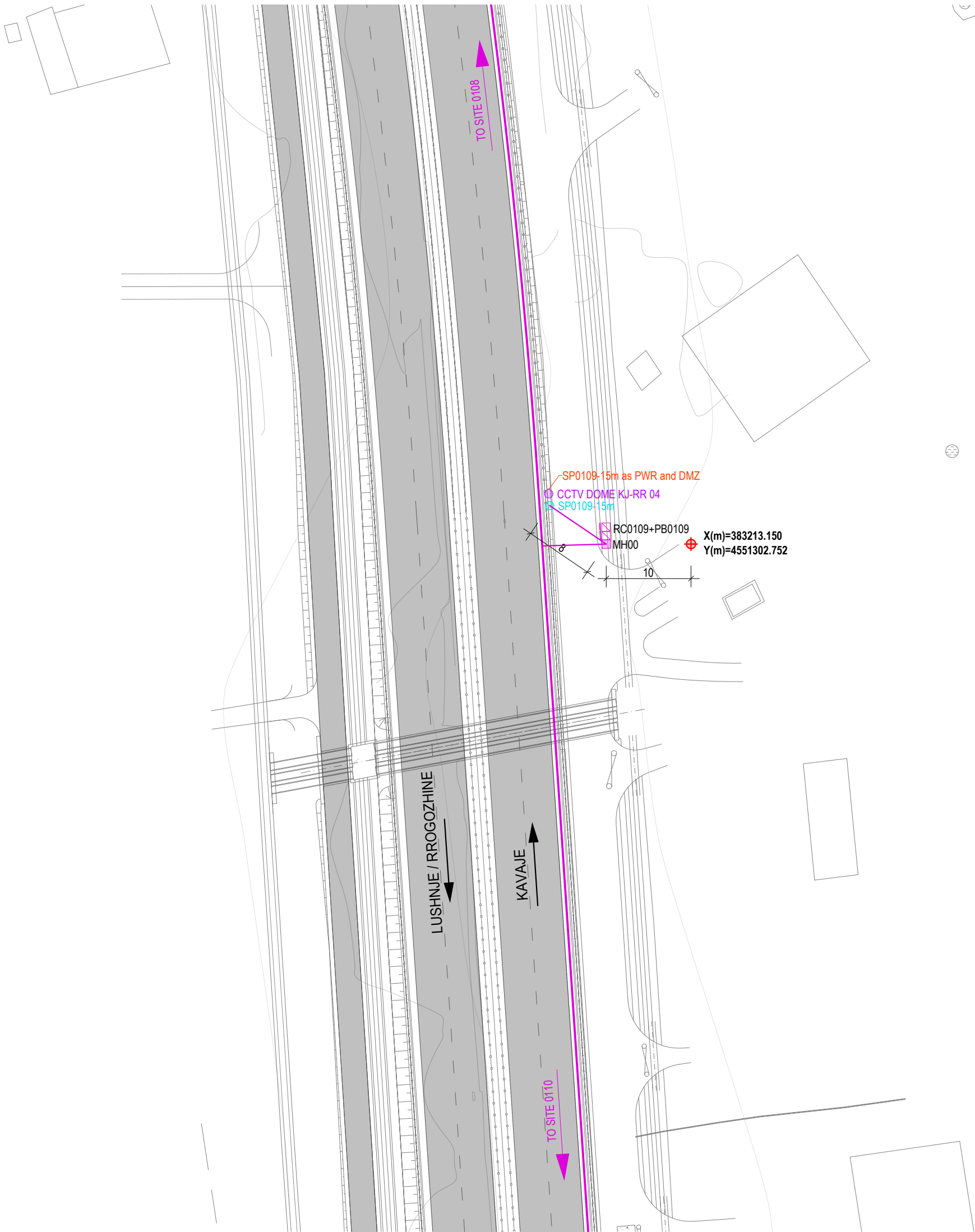
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA - 0108

SHKALLA / SCALE	1:500	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE		Nr. I VIZATIMIT / DRAWING NO.	
KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-135



AL - ARA 0109		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.-No	CCTV Camera	1
LPR Ramp Seg.-No	LPR RAMP	0
TSNs-No	TRAFFIC SIGNAL RAMP	0
LPR Speed Seg.-No	LPR SPEED CAMERA	0
WS No	METEO WS	0
SOS Seg.-No	SOS EPS	0
VMS	VMS Electronic Table	0
VSLS/LCS Seg.-No	VSLS / LCS	0
iWIM	iWIM	0
RC Ns	Road Cabinet	1
PB Ns	Power Box	1
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarkation Point	0
MH No	Manhole	1
Gantry VSLS / LCS	Gantry VSLS / LCS	0
LPR Gantry	LPR Gantry	0
SPNs-15m	CCTV Steel Pole, Height 15m	1
SPNs-4m	Steel Pole, Height 4m	0
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	0
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	0
Support for VMS / VSLS / LPR	Support for VMS / VSLS / LPR	0
TO No SITE	To Site (No of Site)	-
Fibër Optike (Linja kryesore)	Fibër Optike (Linja kryesore)	0
Fibër Optike (Linjë sekondare)	Fibër Optike (Linjë sekondare)	16
Tub çeliku Ø70mm	Tub çeliku Ø70mm	0

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN
SH.P.K."

Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
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Infrastruktura	Ing. Sokol Kikino	Licenca: K.2012/1	
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Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE

"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE
TRAFIKUT RRUGOR"

KLIENTI / CLIENT **MIE & ARRSH**

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

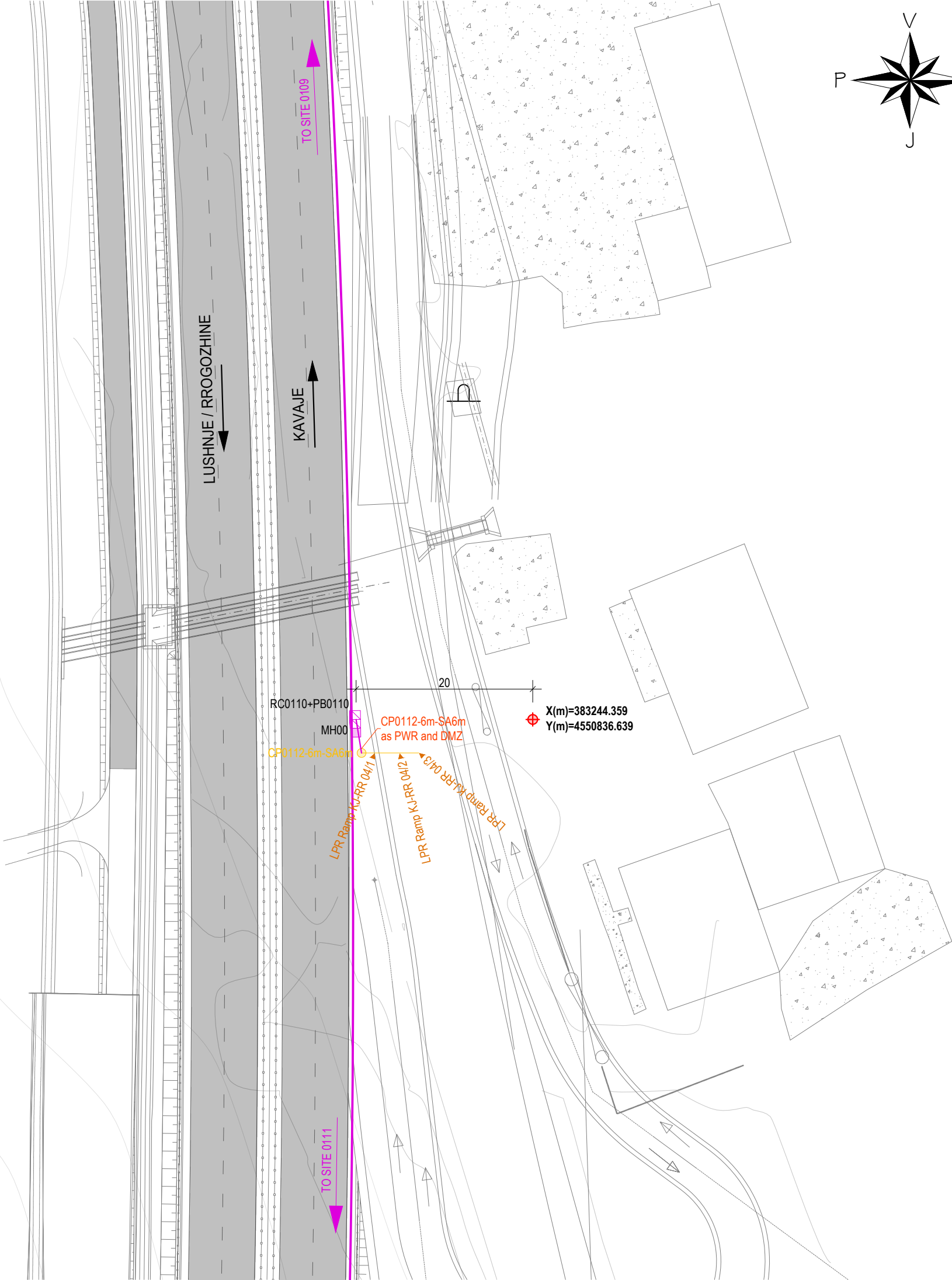
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA - 0109

SHKALLA / SCALE 1:500 DATA/DATE February 2022

KODI I VIZATIMIT / DRAWING CODE Nr. I VIZATIMIT / DRAWING NO.

KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-136
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AL - ARA 0110		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.No	CCTV Camera	0
LPR Ramp Seg.No	LPR RAMP	3
TSNs-No	TRAFFIC SIGNAL RAMP	0
LPR Speed Seg.-No	LPR SPEED CAMERA	0
WS No	METEO WS	0
SOS Seg.No	SOS EPS	0
VMS	VMS Electronic Table	0
VSLS/LCS Seg.-No	VSLS / LCS	0
iWIM	iWIM	0
RC Ns	Road Cabinet	1
PB Ns	Power Box	1
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarcation Point	0
MH No	Manhole	1
Gantry VSLS / LCS	Gantry VSLS / LCS	0
LPR Gantry	LPR Gantry	0
SPNs-15m	CCTV Steel Pole, Height 15m	0
SPNs-4m	Steel Pole, Height 4m	0
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	1
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	0
Support for VMS / VSLS / LPR	Support for VMS / VSLS / LPR	0
TO No SITE	To Site (No of Site)	-
Fibër Optike (Linja kryesore)	Fibër Optike (Linja kryesore)	0
Fibër Optike (Linjë sekondare)	Fibër Optike (Linjë sekondare)	4
Tub çeliku Ø70mm	Tub çeliku Ø70mm	0

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN
SH.P.K."

Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri

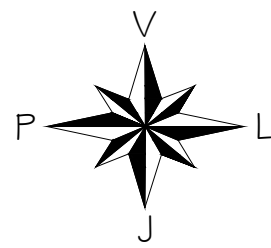


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Arkitektura	Ark. Jona Osmenaj	Licenca: A.2067	
Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE			
"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"			
KLIENTI / CLIENT		MIE & ARRSH	
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION			
Projekt Zbatim			
EMËRTIMI I VIZATIMIT / DRAWING TITLE			
AL-ARA - 0110			
SHKALLA / SCALE	1:500	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE		Nr. I VIZATIMIT / DRAWING NO.	
KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-137



AL - ARA 0111		
SYMBOL	DESCRIPTIONS	Pc
	CCTV Camera	1
	LPR RAMP	8
	TRAFFIC SIGNAL RAMP	2
	LPR SPEED CAMERA	0
	METEO WS	0
	SOS EPS	1
	VMS Electronic Table	0
	VSLs / LCS	0
	iWIM	0
	Road Cabinet	1
	Power Box	1
	Concrete Pole, Height 6m Demarcation Point	0
	Manhole	5
	Gantry VSLs / LCS	0
	LPR Gantry	0
	CCTV Steel Pole, Height 15m	1
	Steel Pole, Height 4m	0
	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	2
	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
	Metallic Structure - VMS	0
	Flag Cantilever	0
	Support for VMS / VSLs / LPR	2
	To Site (No of Site)	-
	Fibër Optike (Linja kryesore)	0
	Fibër Optike (Linjë sekondare)	330
	Tub çeliku Ø70mm	25

No - Number
Ns - Number of Site

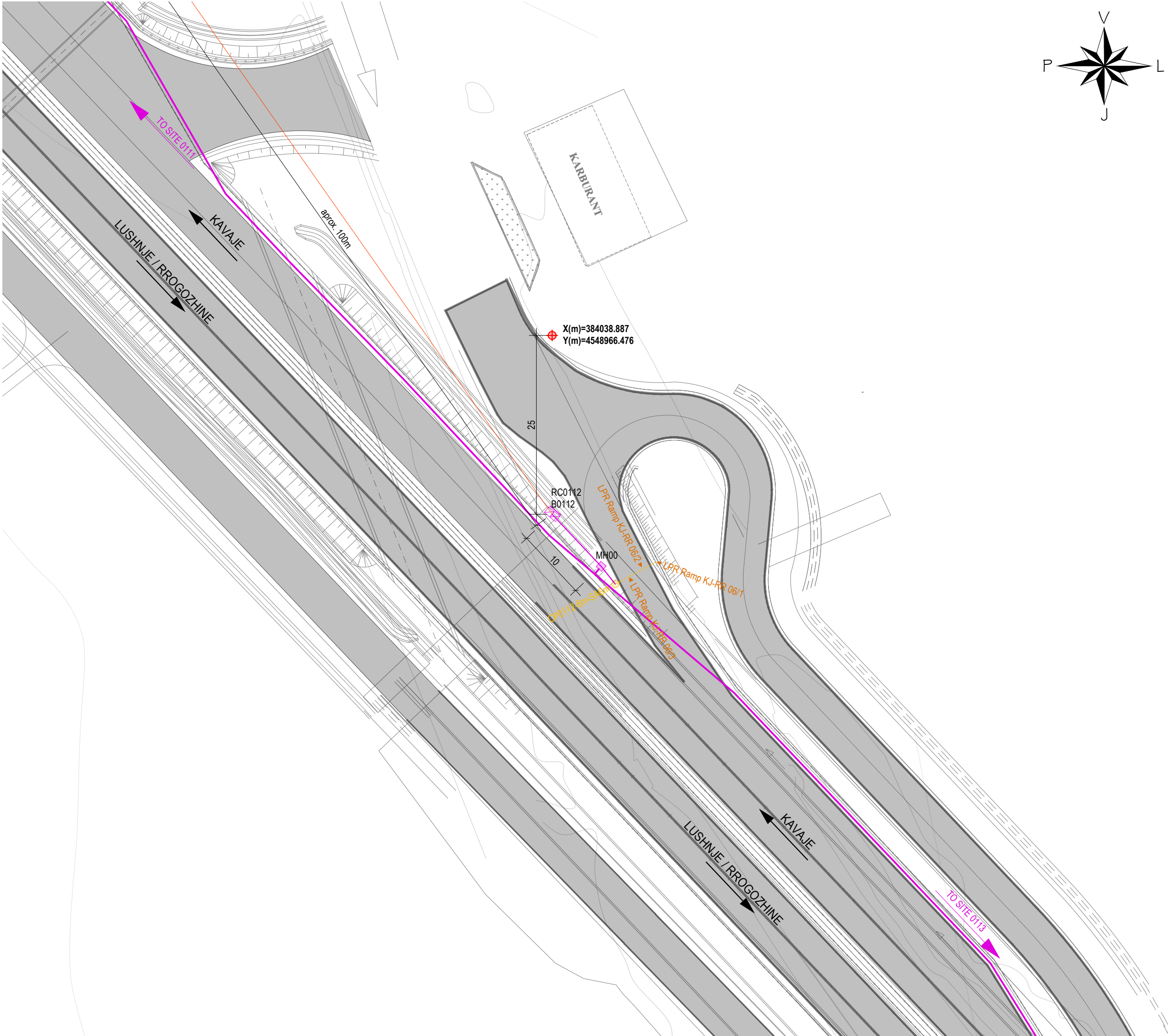
GRUPI I PROJEKTIMIT / DESIGN TEAM

JV "TECHNIC - TML - INFRAPLAN SH.P.K."
Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
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Topografia	Ing. Adrian Bulku	Licenca: TZ.0479/1	
Struktura	Ing. Besjan Mulkurti	Licenca: K.1552/2	
Infrastruktura	Ing. Sokol Kikino	Licenca: K.2012/1	
Arkitektura	Ark. Jona Osmenaj	Licenca: A.2067	
Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE			
"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"			
KLIENTI / CLIENT		MIE & ARRSH	
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION			
Projekt Zbatim			
EMËRTIMI I VIZATIMIT / DRAWING TITLE			
AL-ARA - 0111			
SHKALLA / SCALE	1:750	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE		Nr. I VIZATIMIT / DRAWING NO.	
KODI	FAZA/PHASE	DISIPLINA	I-138
B.T	P.Z	I	

FORMAT: A3 (420mmx297mm)



No - Number
Ns - Number of Site

*Rruga "Brigada VIII", Nd.23, H. 16, Ap.49,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri*

TECNIC
Consulting Engineers



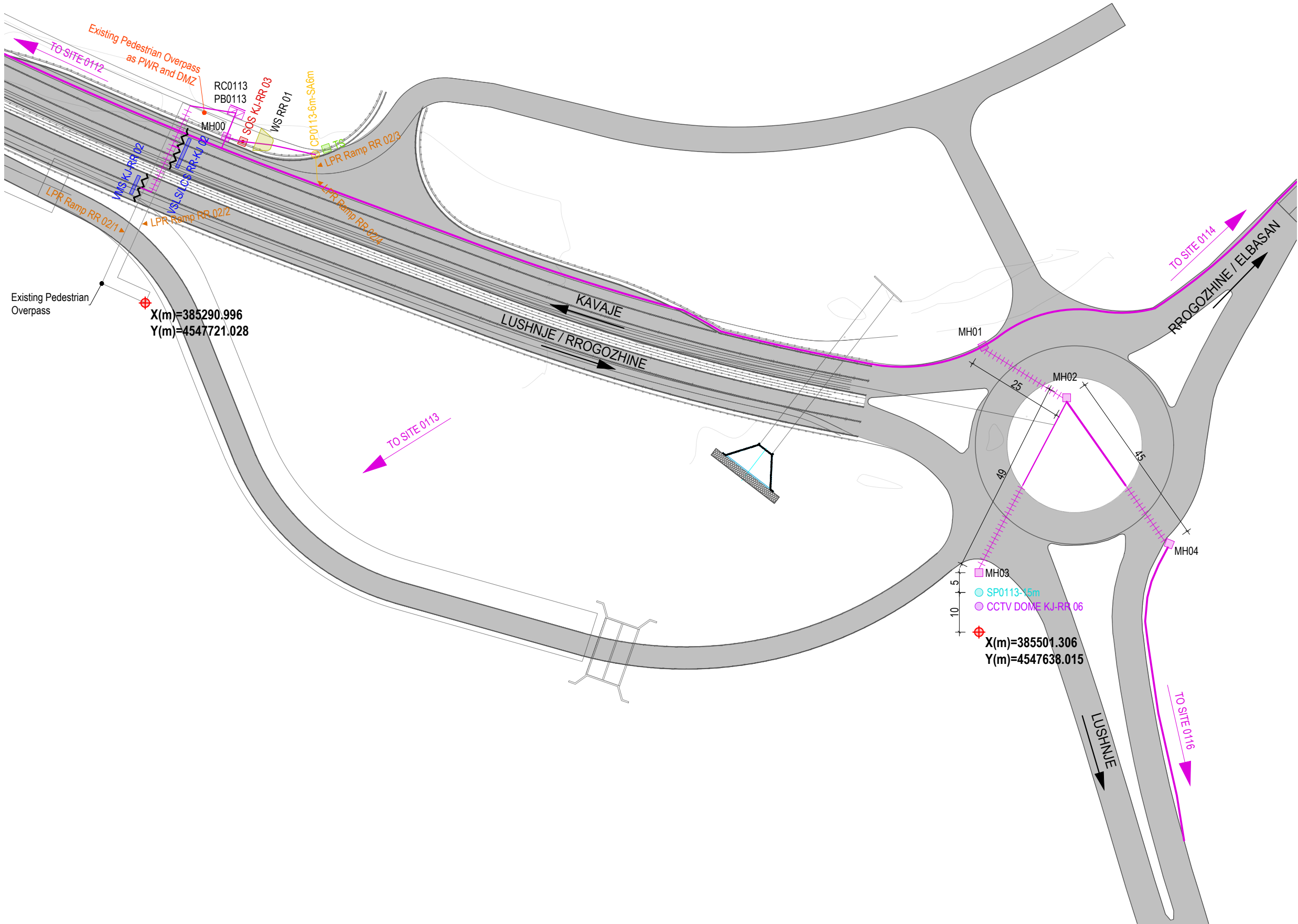
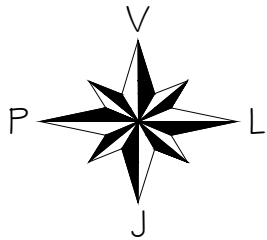
"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

EMËRTIMI I VIZATIMIT / DRAWING TITLE

SHKALLA / SCALE	1:500	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE		Nr. I VIZATIMIT / DRAWING NO.	

KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-139
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AL - ARA 0113		
SYMBOL	DESCRIPTIONS	Pc
	CCTV Camera	1
	LPR RAMP	4
	TRAFFIC SIGNAL RAMP	1
	LPR SPEED CAMERA	0
	METEO WS	1
	SOS EPS	1
	VMS Electronic Table	1
	VLS / LCS	1
	iWIM	0
	Road Cabinet	1
	Power Box	1
	Concrete Pole, Height 6m Demarcation Point	0
	Manhole	5
	Gantry VLS / LCS	0
	LPR Gantry	0
	CCTV Steel Pole, Height 15m	1
	Steel Pole, Height 4m	0
	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	1
	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
	Metallic Structure - VMS	0
	Flag Cantilever	0
	Support for VMS / VLS / LPR	2
	To Site (No of Site)	-
	Fibër Optikë (Linjë kryesore)	0
	Fibër Optikë (Linjë sekondare)	163
	Tub çeliku Ø70mm	89

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN
SH.P.K."

Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri

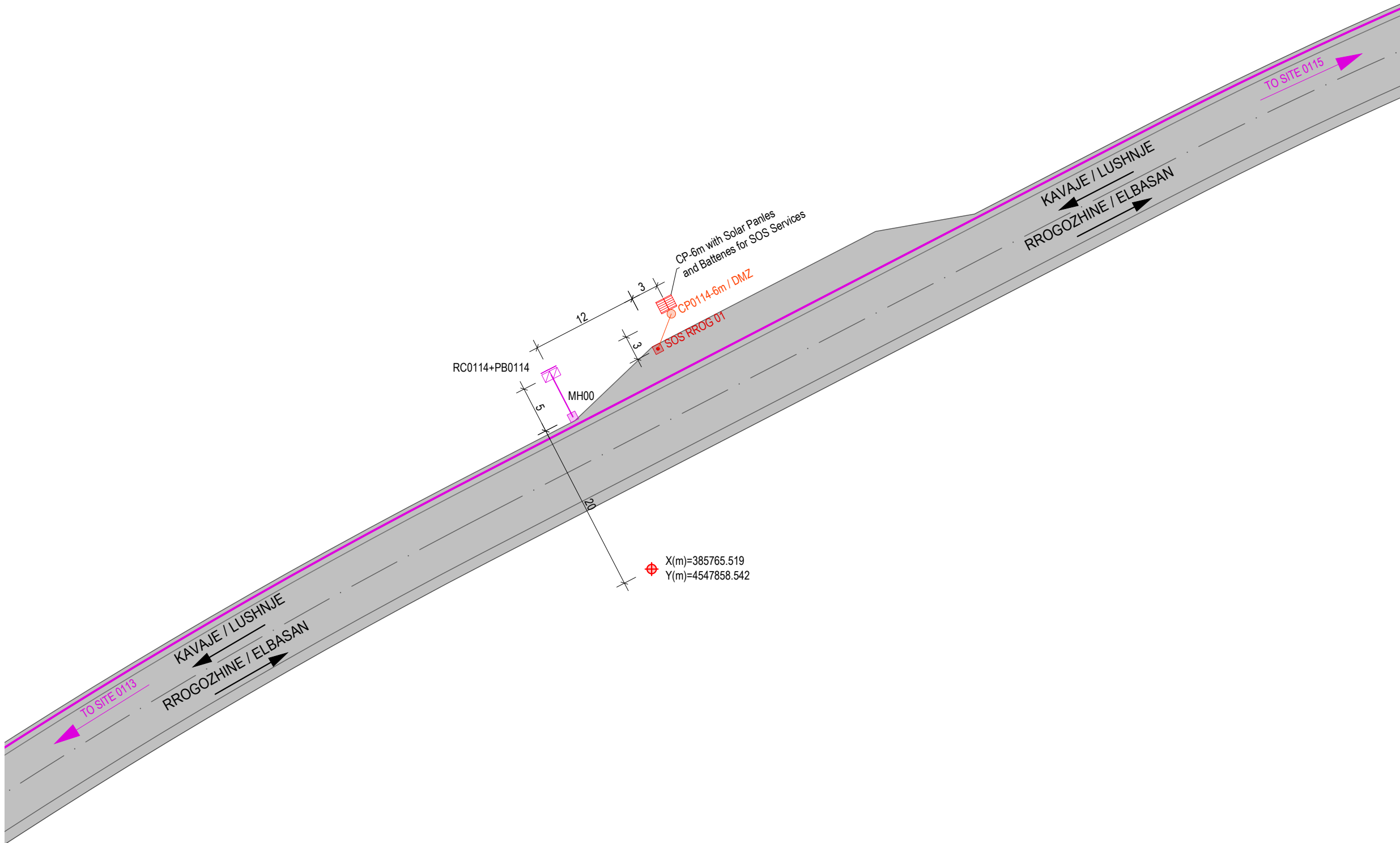


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Topografia	Ing. Adrian Bulku	Licenca: TZ.0479/1	
Struktura	Ing. Besjan Mulkurti	Licenca: K.1552/2	
Infrastruktura	Ing. Sokol Kikino	Licenca: K.2012/1	
Arkitektura	Ark. Jona Osmenaj	Licenca: A.2067	
Arkitektura	Ark. Nerta Konomi	Licenca: A.1437/1	
Elektrike	Ing. Hasan Bekteshi	Licenca: E.0188/3	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE			
"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"			
KLIENTI / CLIENT		MIE & ARRSH	
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION			
Projekt Zbatim			
EMËRTIMI I VIZATIMIT / DRAWING TITLE			
AL-ARA - 0113			
SHKALLA / SCALE	1:1000	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE		Nr. I VIZATIMIT / DRAWING NO.	
KODI	FAZA/PHASE	DISIPLINA	I-140
B.T	P.Z	I	



No - Number
Ns - Number of Site

*Rruga "Brigada VIII", Nd.23, H.16, Ap.49,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri*

TECNIC
Consulting Engineers

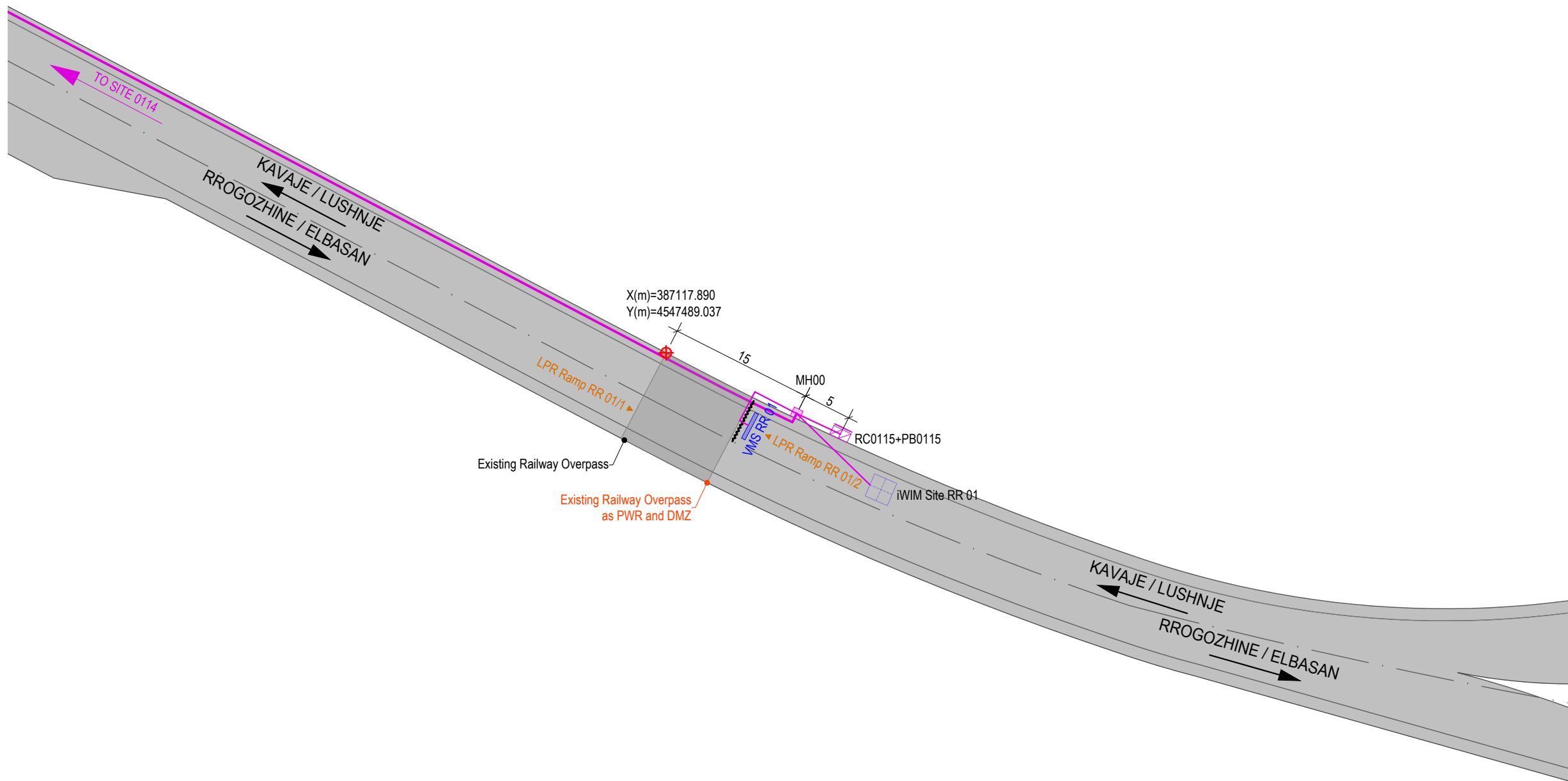
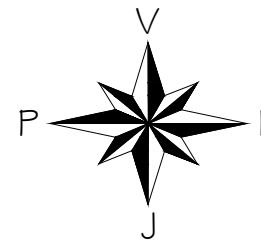


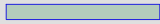
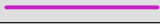
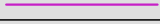
"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT RRUGOR"

EMËRTIMI I VIZATIMIT / DRAWING TITLE

SHKALLA / SCALE	1:500	DATA/DATE	February 2022
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SHKALLA / SCALE		1:500	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE			Nr. I VIZATIMIT / DRAWING NO.	
KODI B.T	FAZA/PHASE P.Z	DISIPLINA I		I-141



AL - ARA 0115		
SYMBOL	DESCRIPTIONS	Pc
 CCTV DOME Seg.No	CCTV Camera	0
 LPR Ramp Seg.No	LPR RAMP	2
 TSNs-No	TRAFFIC SIGNAL RAMP	0
 LPR Speed Seg.-No	LPR SPEED CAMERA	0
 WS No	METEO WS	0
 SOS Seg.No	SOS EPS	0
 VMS	VMS Electronic Table	1
 VSLS/LCS Seg.-No	VSLS / LCS	0
 iWIM	iWIM	1
 RC Ns	Road Cabinet	1
 PB Ns	Power Box	1
 CPNs-6m / DMZ	Concrete Pole, Height 6m Demarcation Point	0
 MH No	Manhole	1
	Gantry VSLS / LCS	0
	LPR Gantry	0
 SPNs-15m	CCTV Steel Pole, Height 15m	0
 SPNs-4m	Steel Pole, Height 4m	0
 CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	0
 CPNs-6m-SA6m	Steel Cantilever Pole, Height 6m, Single Arm, Length 6m	0
 CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
	Metallic Structure - VMS	0
 CPFlag	Flag Cantilever	0
	Support for VMS / VSLS / LPR	1
 TO No SITE	To Site (No of Site)	-
	Fibër Optike (Linja kryesore)	0
	Fibër Optike (Linjë sekondare)	25
	Tub çeliku Ø70mm	0

No - Number
Ns - Number of Site

GRUPI I PROJEKTIMIT / DESIGN TEAM



JV "TECHNIC - TML - INFRAPLAN
SH.P.K."

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Arkitektura	Ark. Nerta Konomi	Licenca: <i>A.1437/1</i>	
Elektrike	Ing. Hasan Bekteshi	Licenca: <i>E.0188/3</i>	
Ekspert i Komunikacionit	Ing. Aldo Çoba		

TITULLI I PROJEKTIT / PROJECT TITLE

"PROJEKTIMI I SISTEMIT TE MONITORIMIT DHE KONTROLLIT TE TRAFIKUT BRUGOR"

KLIENTI / CLIENT	MIE & ARRSH
------------------	-------------

PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim	
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EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA - 0115

SHKALLA / SCALE	1:500	DATA/DATE	February 2022
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KODI / VIZATIMIT / DRAWING CODE	Nr. / VIZATIMIT / DRAWING NO.
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KODI	FAZA/PHASE	DISIPLINA	I-142
B.T	P.Z	I	