

Titulli i projektit / Project Title:

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

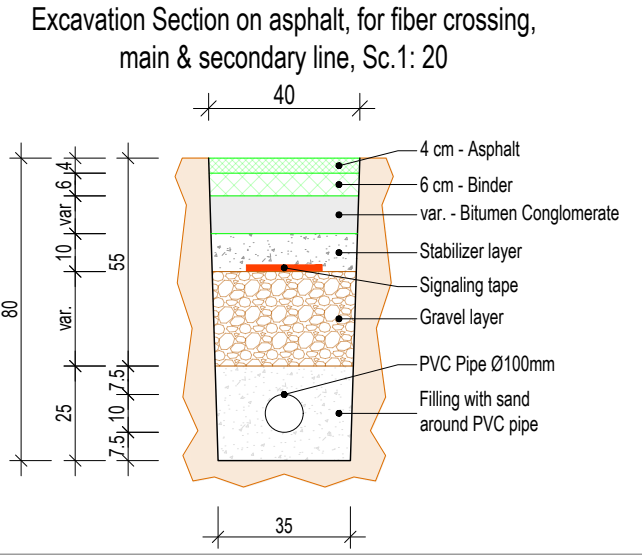
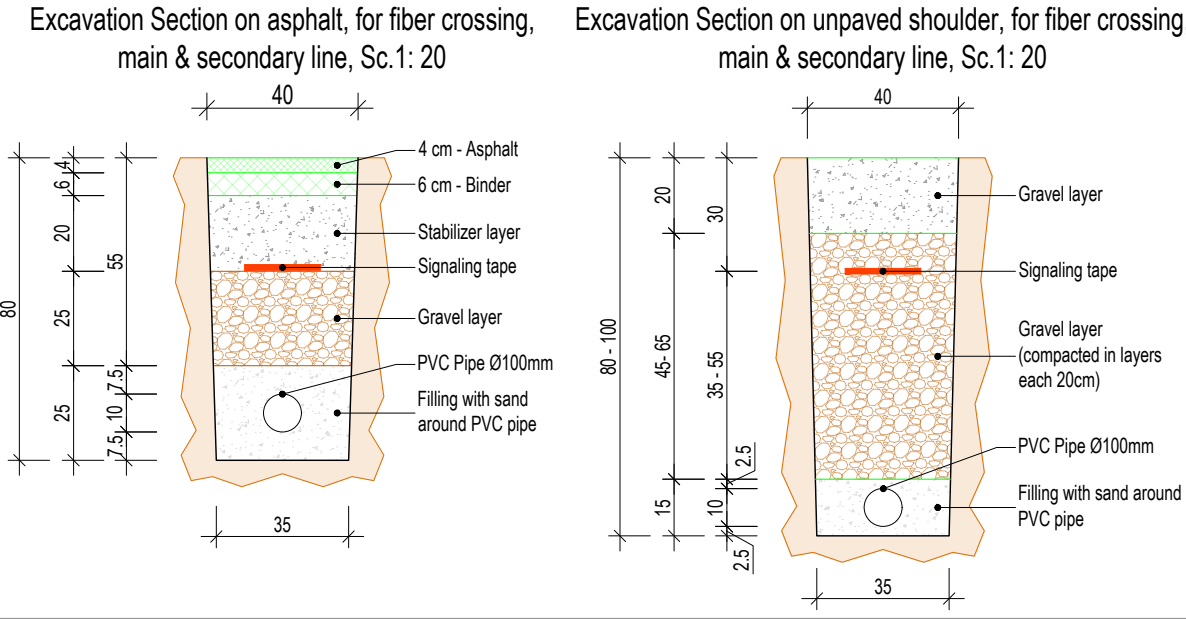
DESIGN OF ROAD TRAFFIC MONITORING AND CONTROL SYSTEM

Segment Fier - Vlore Higway (*Fier - Vlore Highway, 24.0Km*)

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".

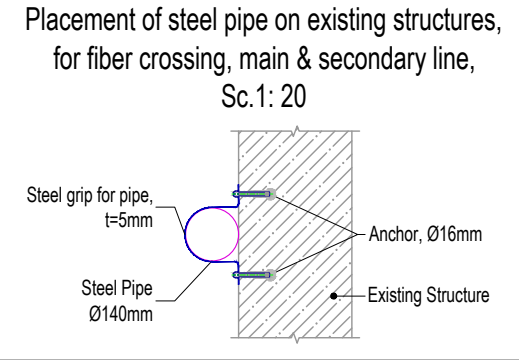
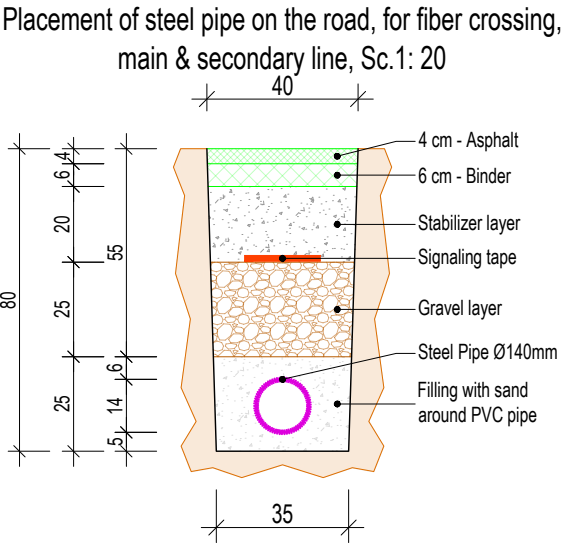


6- Layer works. After channel's opening and installing the PVC Ø100mm pipe for laying cables / fiber, layers will be built to return the site to the existing / previous condition.

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.



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 Demarcation 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

TRANSPORT & MOBILITY LEUVEN

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

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

mobile: +355 0682034917

e-mail: info@infraplan.al

web: www.infraplan.al

TECNIC Consulting Engineers

INFRAPLAN

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

ENËRTIMI I VIZATIMIT / DRAWING TITLE

General

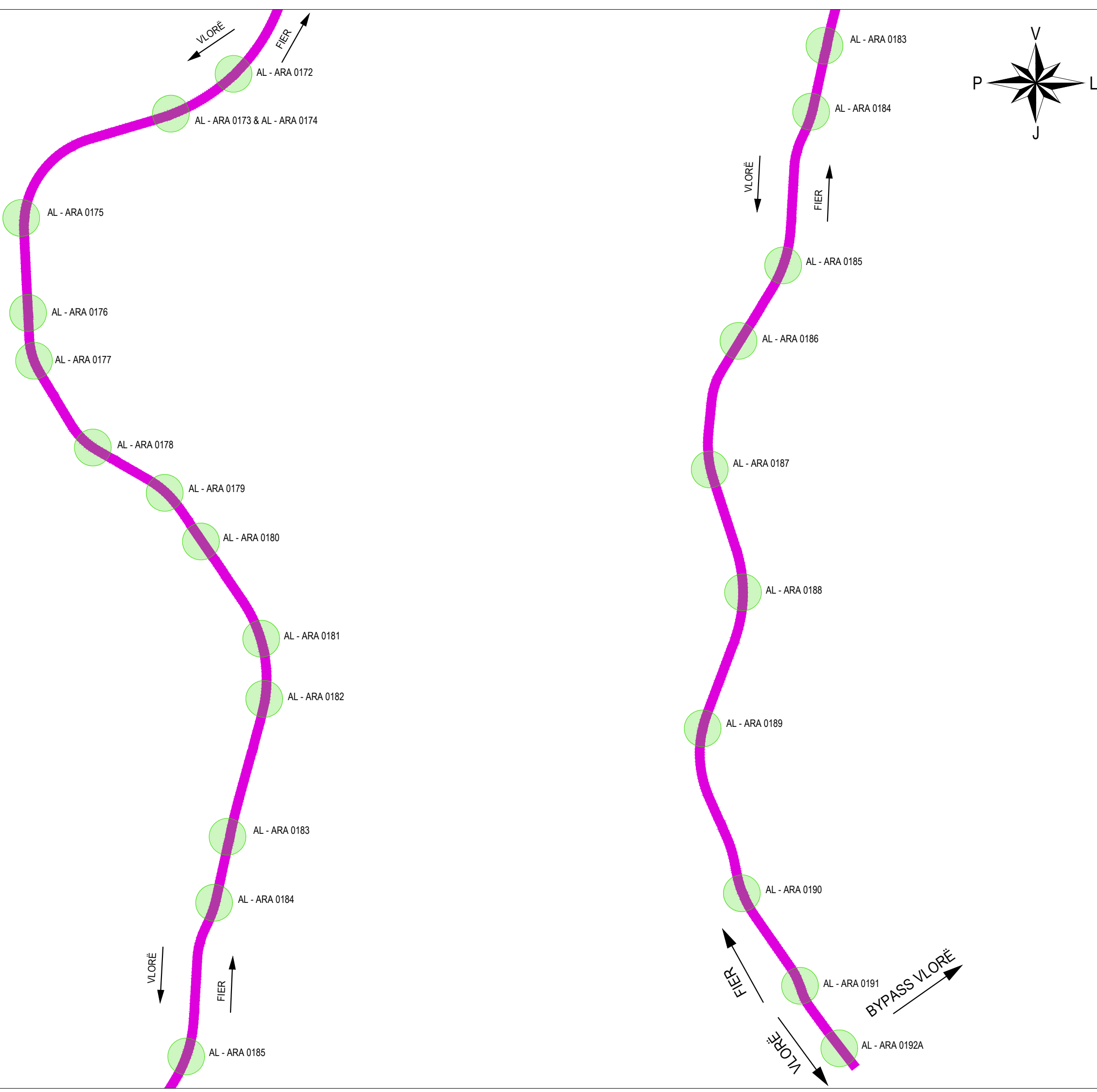
SHKALLA / SCALE 1:20 DATA/DATE February 2022

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

KODI FAZA/PHASE DISIPLINA

B.T P.Z I

I-205



SCHEDULE LIST OF SITES		
NAME OF SITE	CO-ORDINATES X(m)	CO-ORDINATES Y(m)
AL - ARA 0172	370863.602	4502226.320
AL - ARA 0173 AL - ARA 0174	370192.920	4501801.441
AL - ARA 0175	368587.660	4500703.840
AL - ARA 0176	368633.300	4499618.396
AL - ARA 0177	368670.724	4499098.697
AL - ARA 0178	369347.405	4498172.442
AL - ARA 0179	370123.608	4497695.416
AL - ARA 0180	370500.170	4497160.816
AL - ARA 0181	371161.846	4496092.145
AL - ARA 0182	371204.351	4495435.931
AL - ARA 0183	370828.538	4493980.306
AL - ARA 0184	370661.542	4493229.042
AL - ARA 0185	370346.882	4491558.368
AL - ARA 0186	369871.096	4490719.130
AL - ARA 0187	369552.172	4489363.183
AL - ARA 0188	369909.097	4487982.461
AL - ARA 0189	369479.094	4486535.062
AL - ARA 0190	369907.062	4484726.966
AL - ARA 0191	370534.541	4483706.688
AL - ARA 0192A	370951.193	4483035.296

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

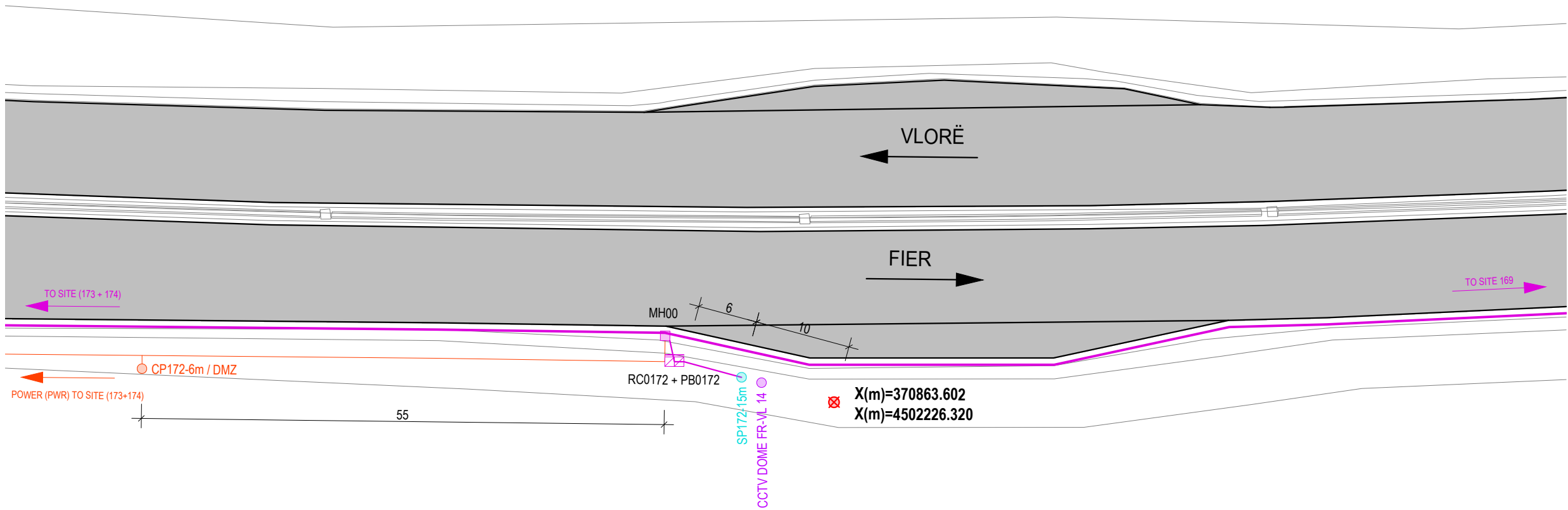
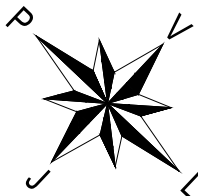


mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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			
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 B.T	FAZA/PHASE P.Z	DISIPLINA I	I-206



AL - ARA 0172		
SYMBOL	DESCRIPTIONS	Pc
	CCTV Camera	1
	LPR RAMP	0
	TRAFFIC SIGNAL RAMP	0
	LPR SPEED CAMERA	0
	METEO WS	0
	SOS EPS	0
	VMS Electronic Table	0
	VSLs / LCS	0
	iWIM	0
	Road Cabinet	1
	Power Box	1
	Concrete Pole, Height 6m Demarkation Point	1
	Manhole	1
	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	0
	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
	Metallic Structure - VMS	0
	Flag Cantilever	0
	To Site (No of Site)	-
	Optic Fibre (Main Line)	0
	Optic Fibre (Secondary Line)	10
	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

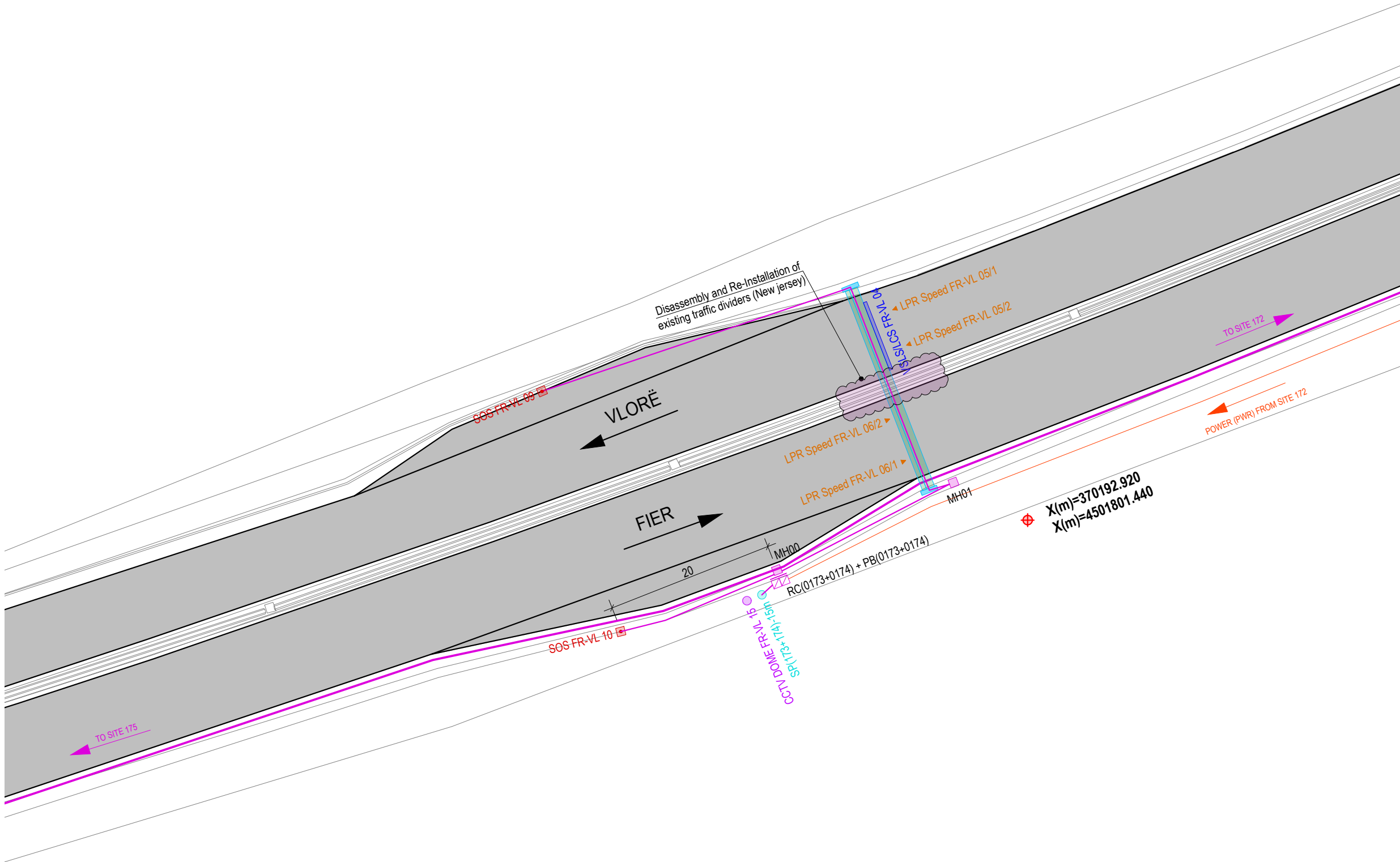
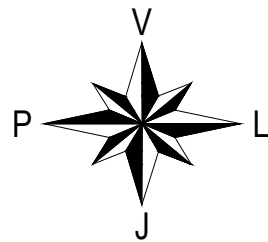
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0172

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-207
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0173 + 0174		
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	4
WS No	METEO WS	0
SOS Seg.No	SOS EPS	2
VMS	VMS Electronic Table	0
VLS/LCS Seg.-No	VLS / LCS	1
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	2
Gantry VLS / LCS	Gantry VLS / LCS	1
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	107
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

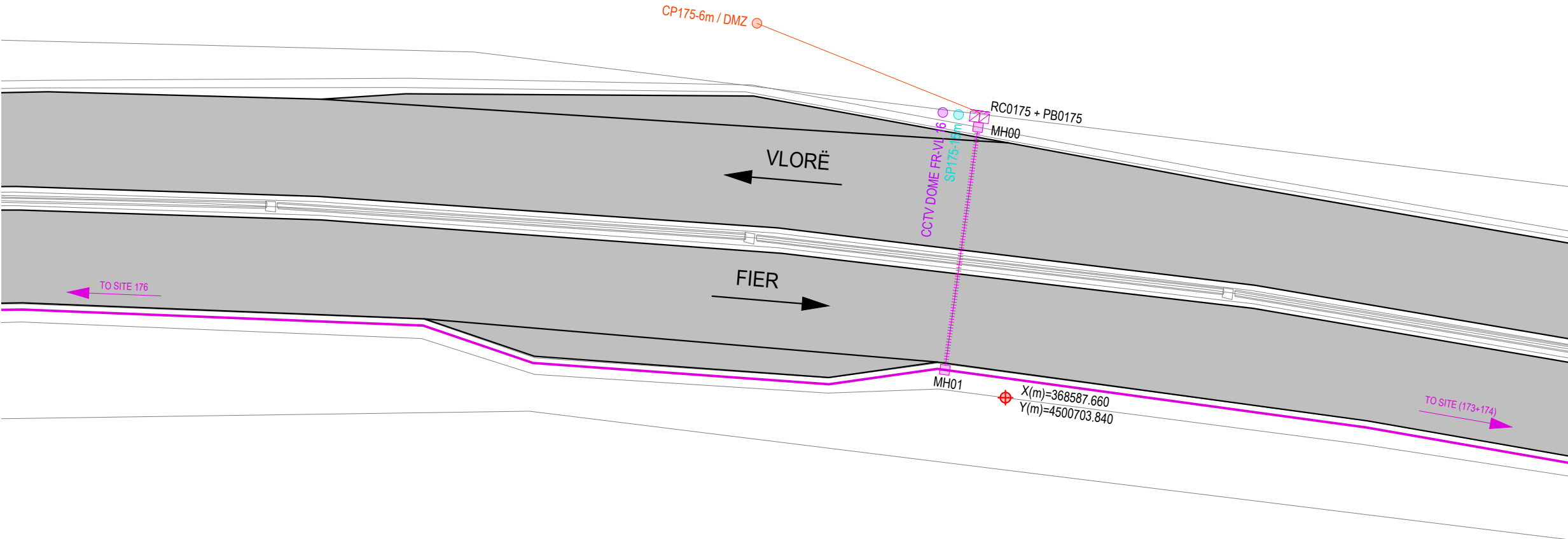
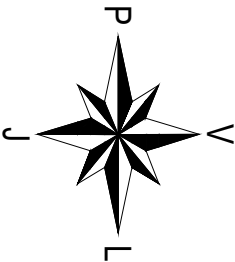
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0173 & AL-ARA 0174

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-208
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0175		
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
VLSL/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	1
MH No	Manhole	2
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	25
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

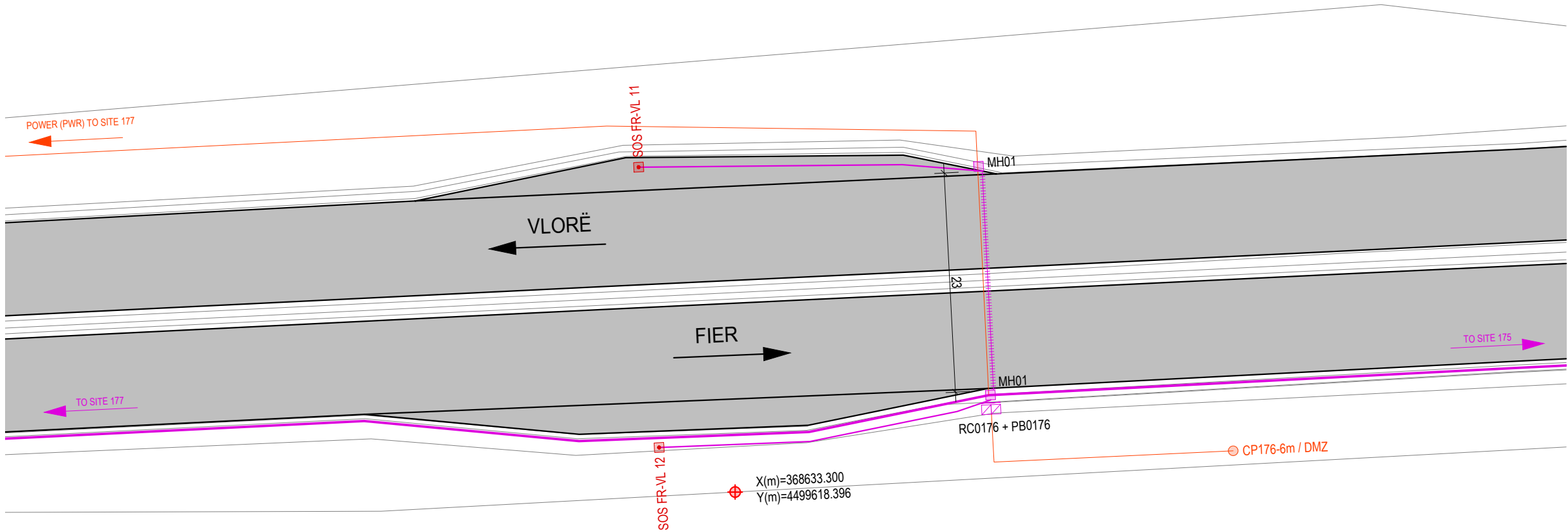
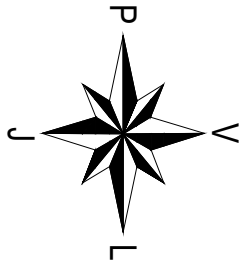
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0175

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-209
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0176		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.-No	CCTV Camera	0
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	2
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	2
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	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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	94
Steel Pipe Ø140mm	Steel Pipe Ø140mm	23

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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

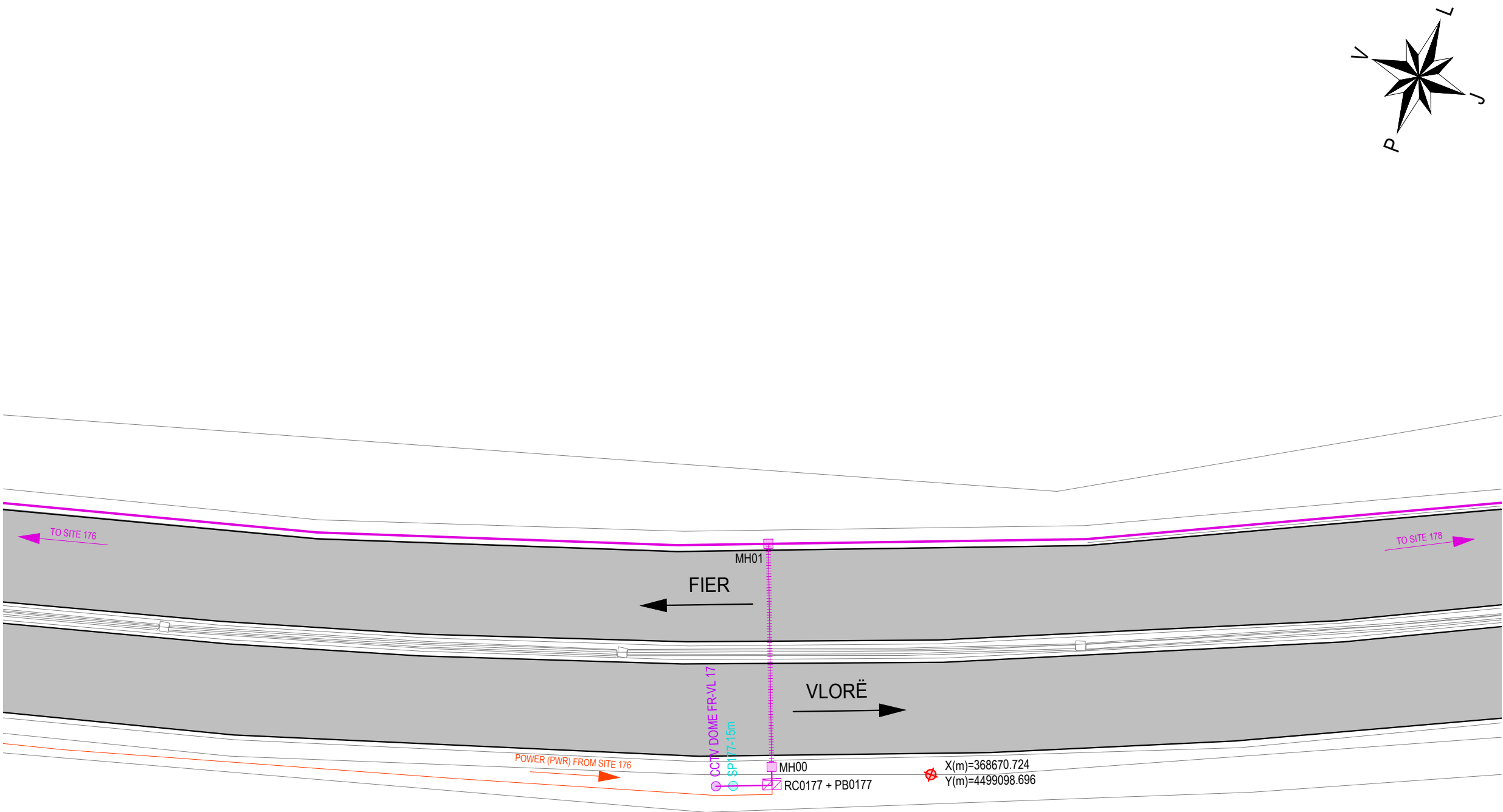
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0176

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-210
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0177		
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	2
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	32
Steel Pipe Ø140mm	Steel Pipe Ø140mm	24

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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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**

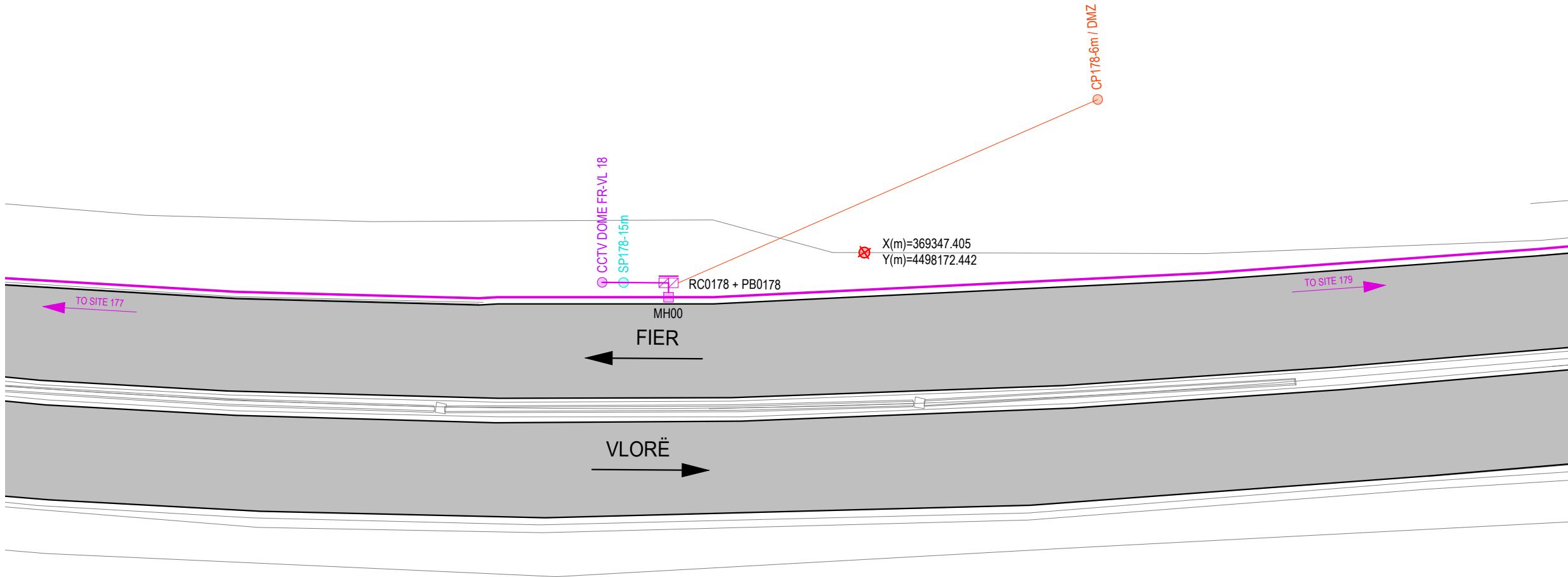
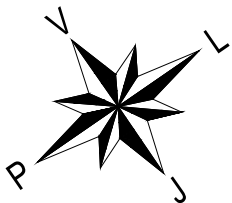
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0177

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-211



AL - ARA 0178		
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	8
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

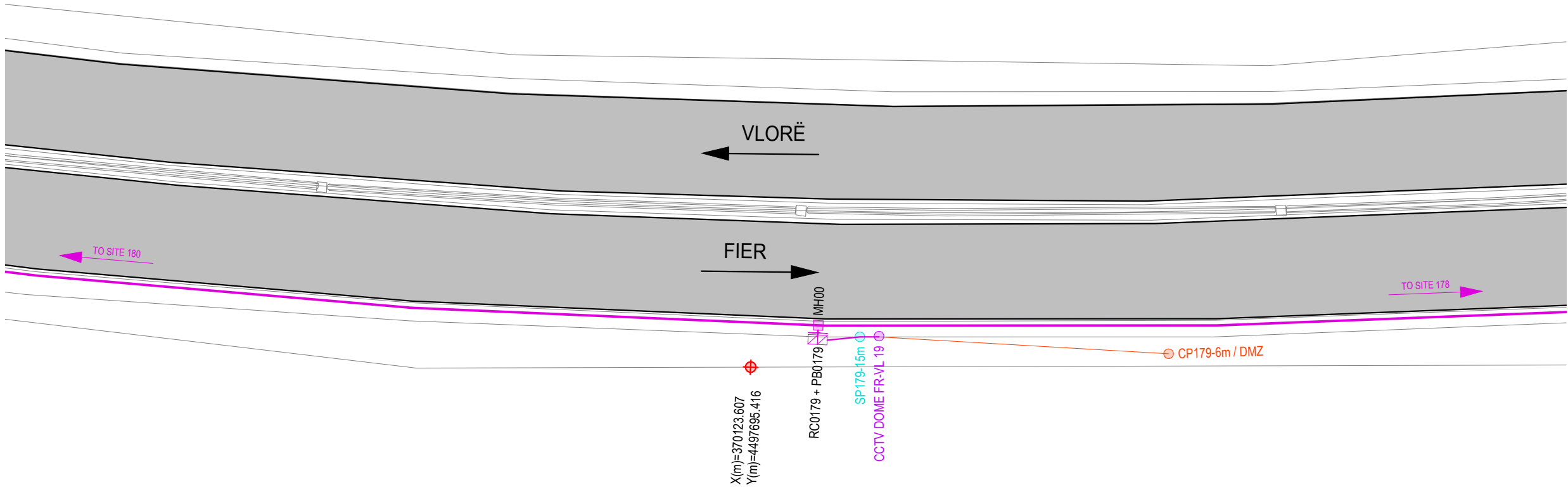
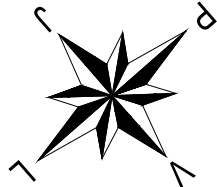
Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0178

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

KODI	FAZA/PHASE	DISIPLINA	I-212
B.T	P.Z	I	



AL - ARA 0179		
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	6
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

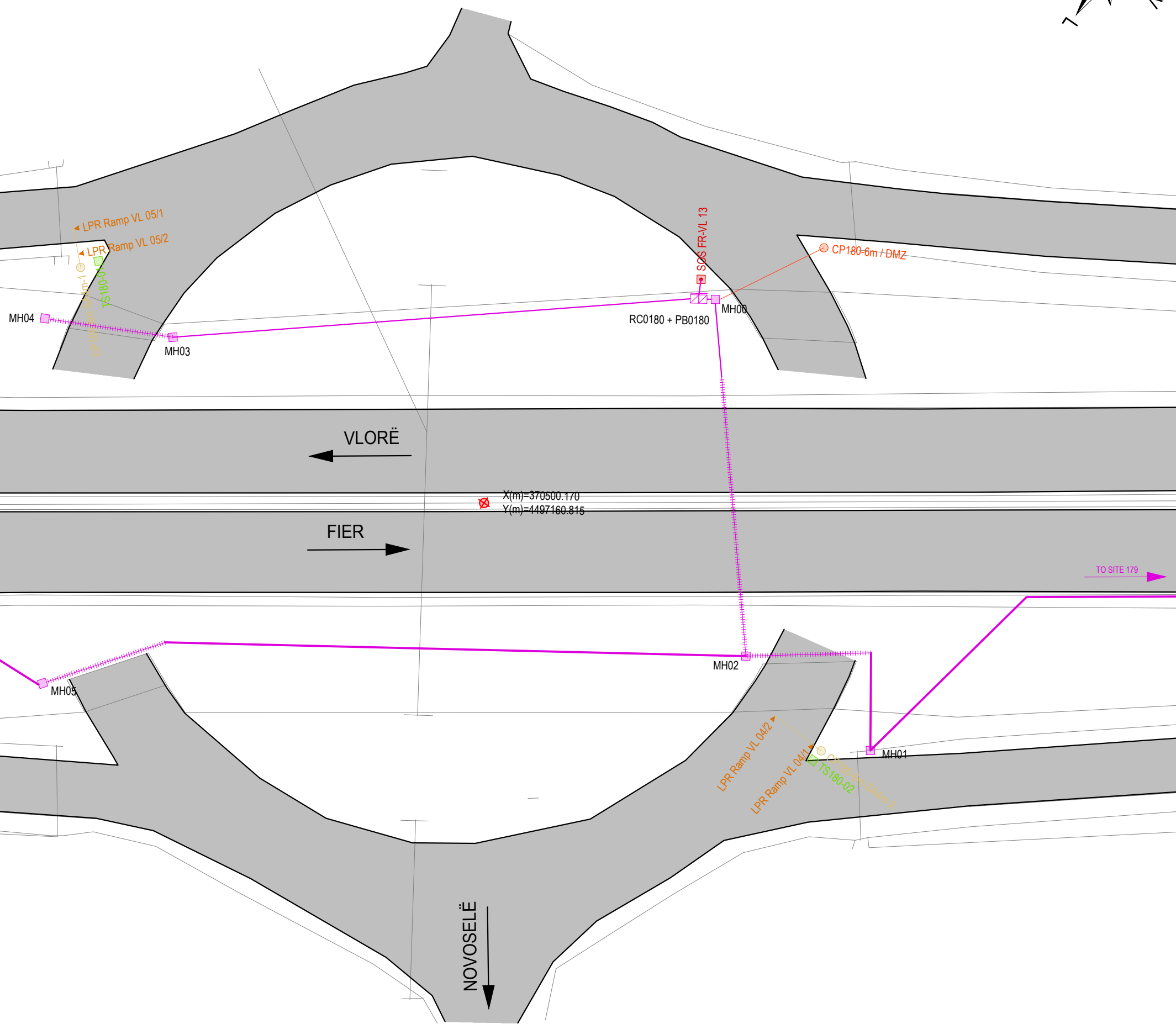
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0179

SHKALLA / SCALE 1:500 DATA/DATE February 2022

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

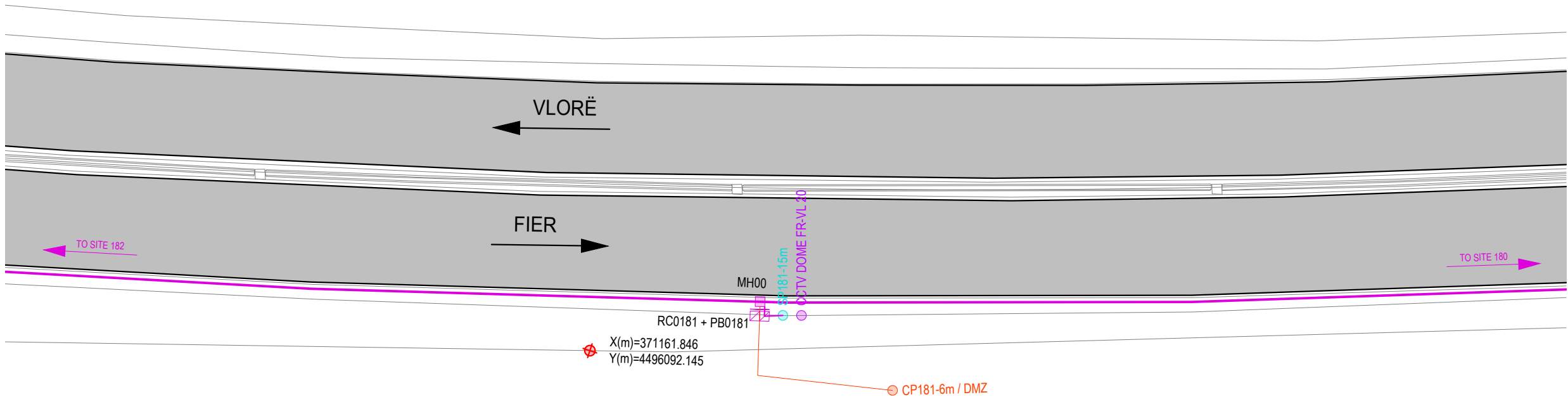
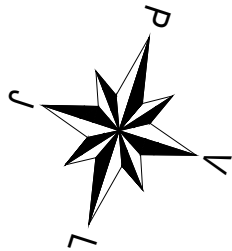
KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-213
--------------------	--------------------------	-----------------------	--------------



No - Number
Ns - Number of Site

mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al

TITULLI I PROJEKTTIT / 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 0180			
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-214



AL - ARA 0181		
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	3
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

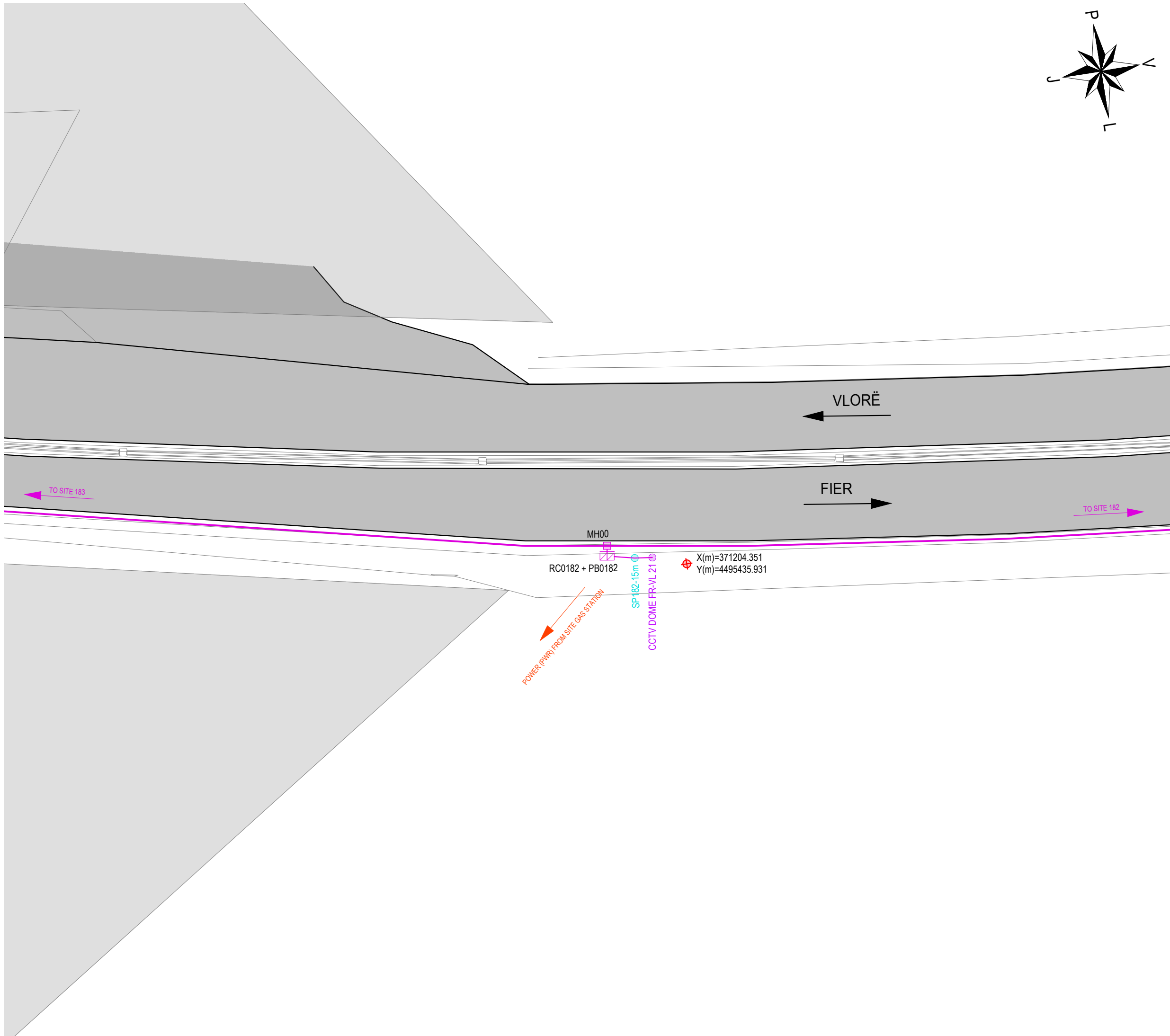
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0181

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-215
--------------------	--------------------------	-----------------------	--------------



No - Number
Ns - Number of Site

TRANSPORT & MOBILITY

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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

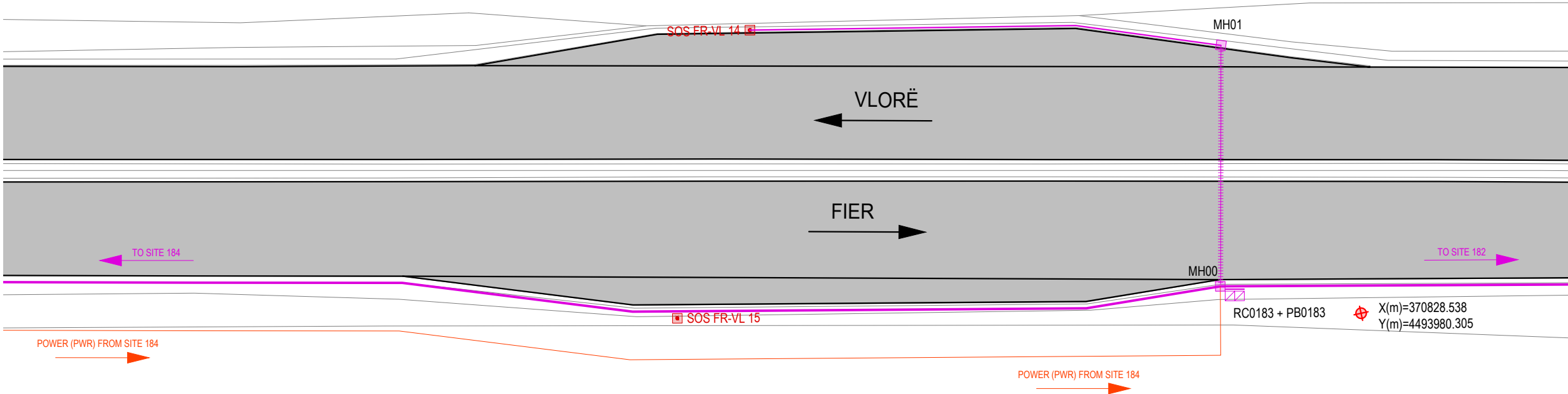
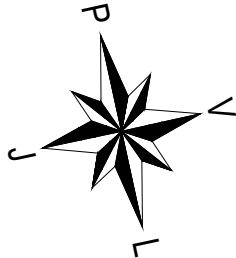
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

EMËRTIMI / VIZATIMIT / DRAWING TITLE

SHKALLA / SCALE	1:500	DATA/DATE	February 2022
-----------------	-------	-----------	---------------

KODI / VIZATIMIT / DRAWING CODE		Nr. / VIZATIMIT / DRAWING NO.	
KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-216

FORMAT: A3 (420mmx297mm)



AL - ARA 0183		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.-No	CCTV Camera	0
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	2
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	2
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	0
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
CPFlag	Metallic Structure - VMS	0
TO No SITE	To Site (No of Site)	-
	Optic Fibre (Main Line)	0
	Optic Fibre (Secondary Line)	74
	Steel Pipe Ø140mm	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,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

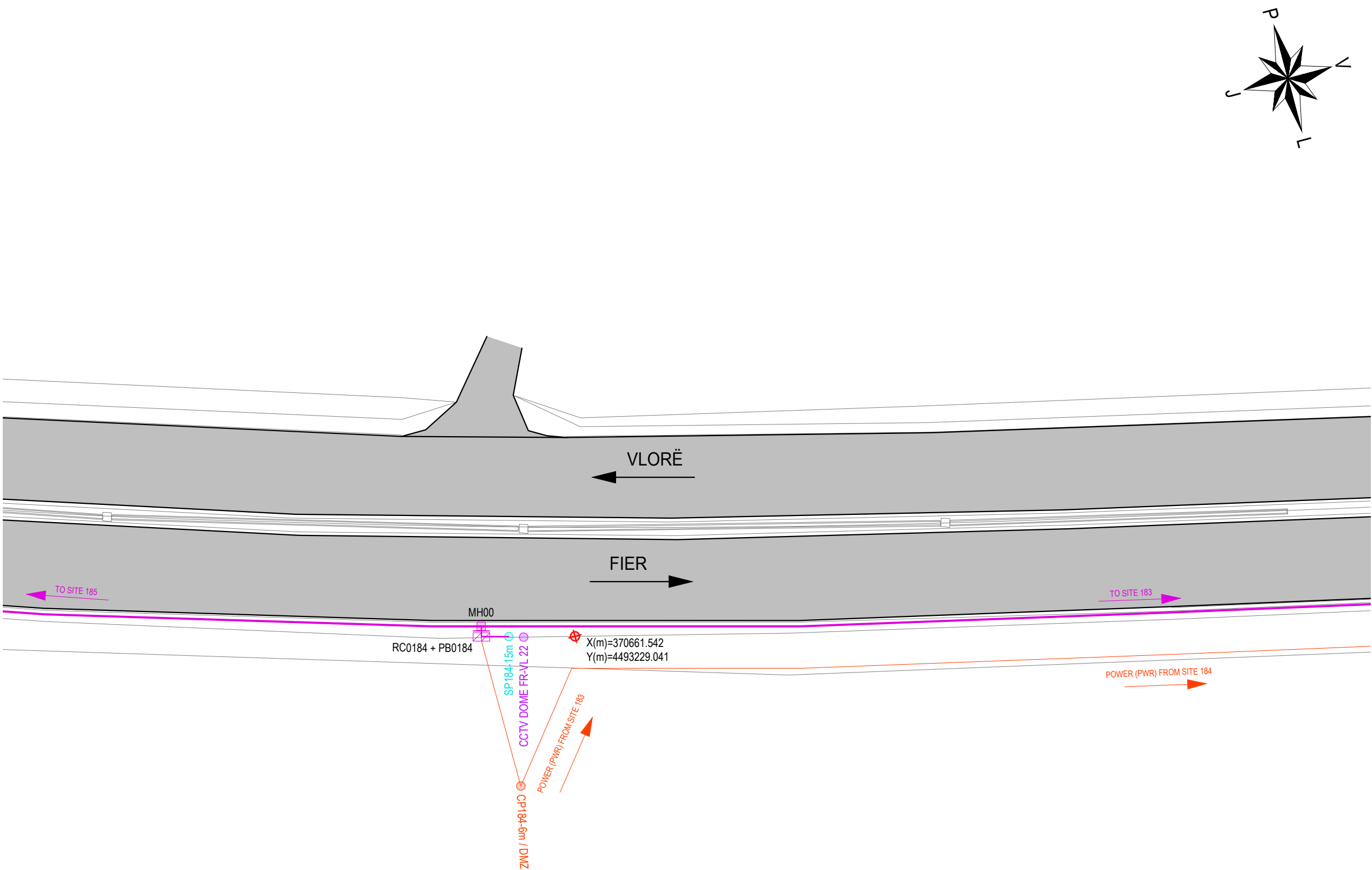
AL-ARA 0183

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-217
--------------------	--------------------------	-----------------------	--------------

FORMAT: A3 (420mmx297mm)



AL - ARA 0184		
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	5
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

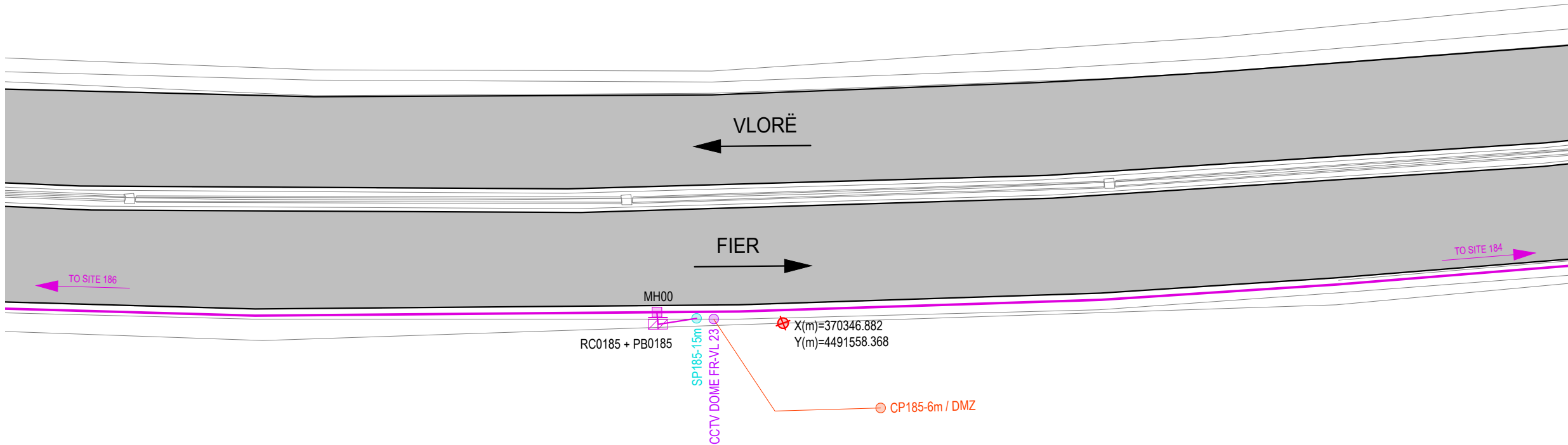
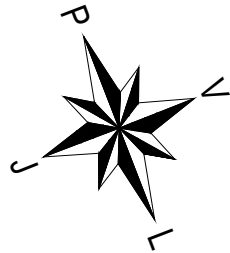
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0184

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-218
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0185		
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	6
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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

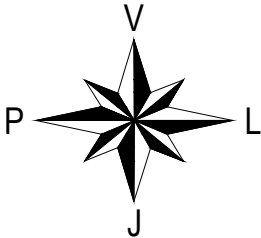
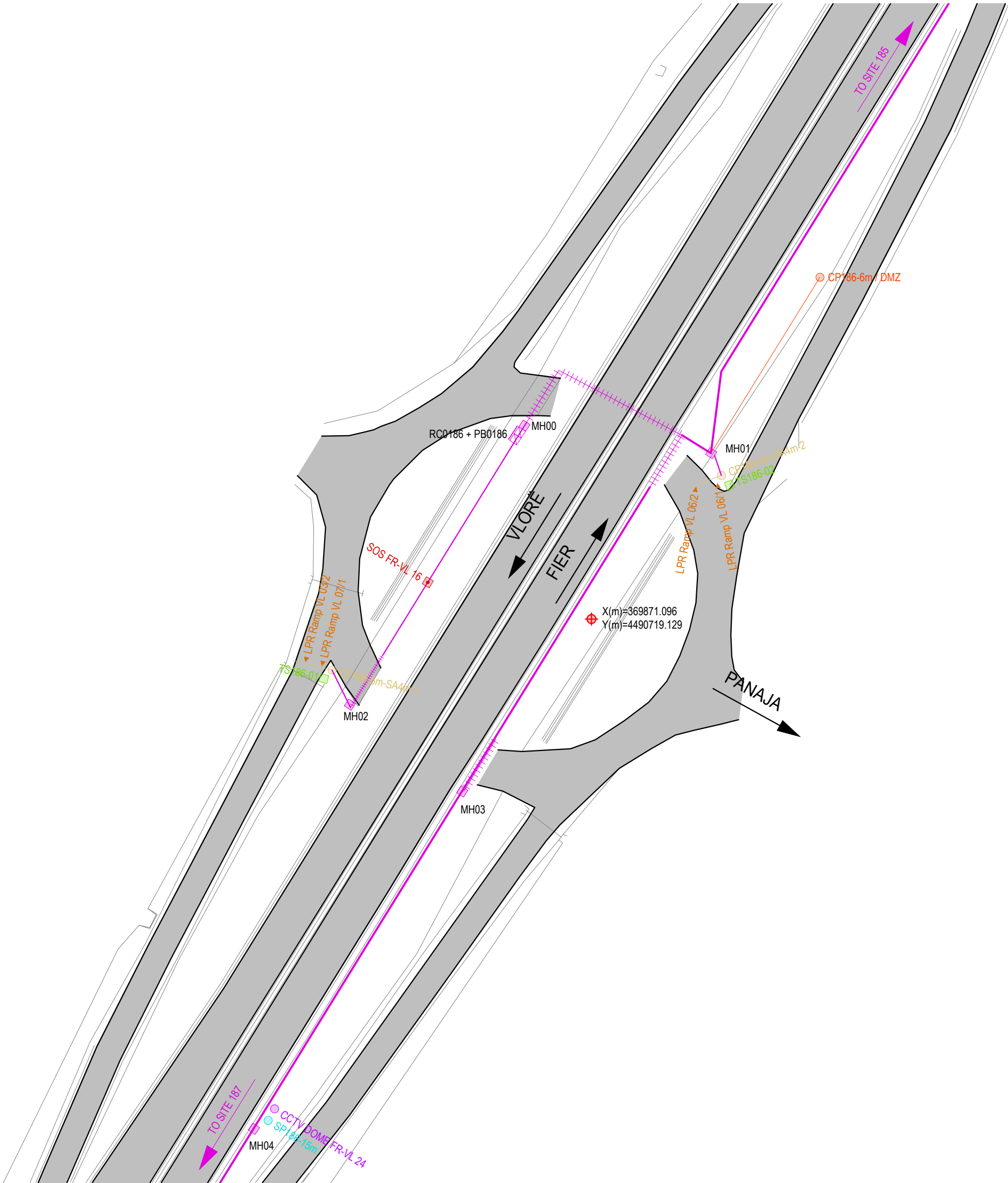


mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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 0185			
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-219



AL - ARA 0186		
SYMBOL	DESCRIPTIONS	Pc
CCTVDOME Seg.No	CCTV Camera	1
LPR Ramp Seg.No	LPR RAMP	4
TSNs-No	TRAFFIC SIGNAL RAMP	2
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 Demarcation Point	1
MH No	Manhole	5
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	2
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	159
Steel Pipe Ø140mm	Steel Pipe Ø140mm	95

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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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**

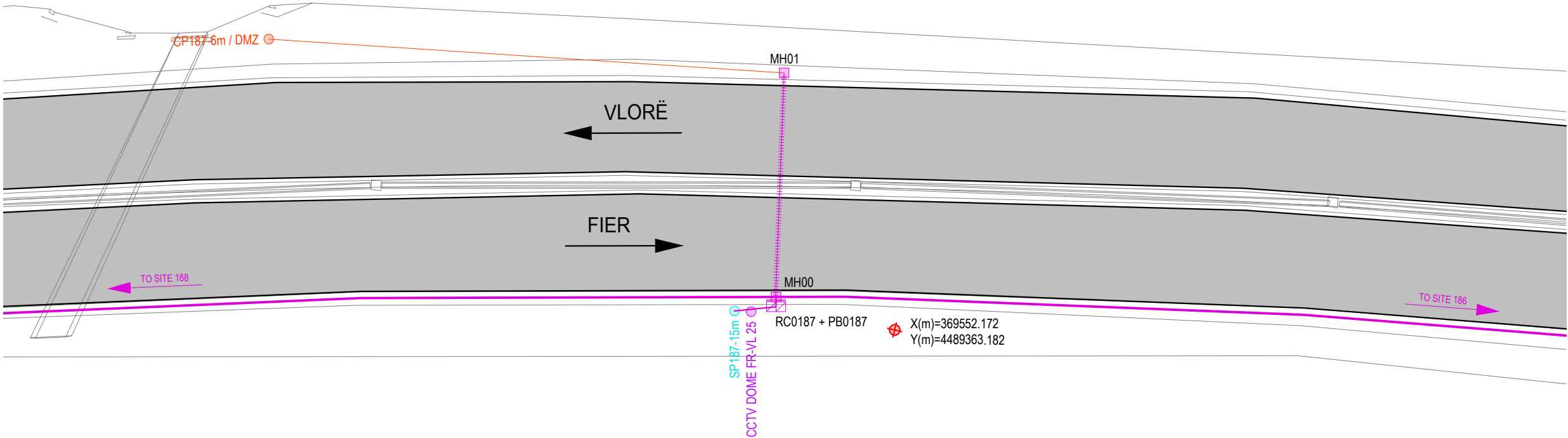
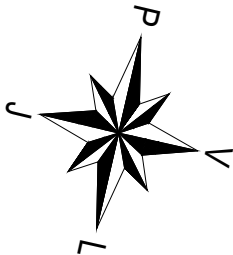
PËRSHKRIMI I FAZËS / PHASE DESCRIPTION

Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0186

SHKALLA / SCALE	1:1000	DATA/DATE	February 2022
KODI I VIZATIMIT / DRAWING CODE		Nr. I VIZATIMIT / DRAWING NO.	
KODI B.T	FAZA/PHASE P.Z	DISIPLINA I	I-220



AL - ARA 0187		
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	2
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	30
Steel Pipe Ø140mm	Steel Pipe Ø140mm	24

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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

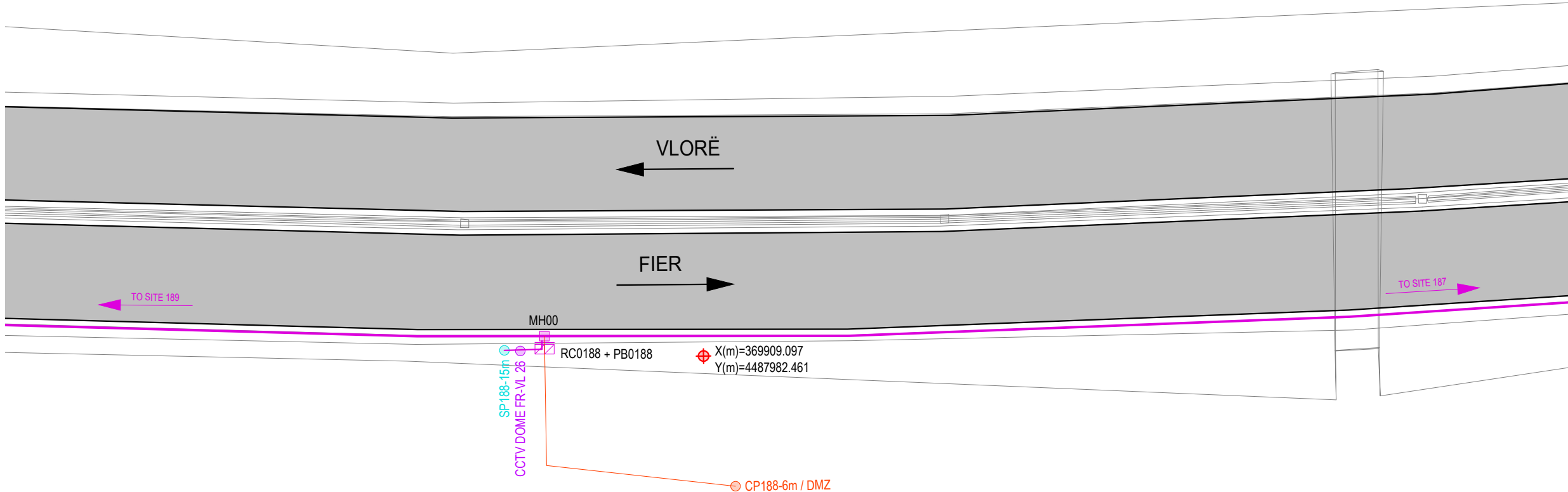
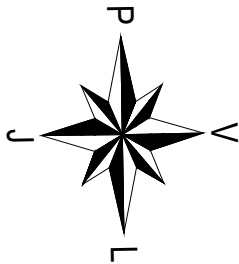
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0187

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-221
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0188		
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	5
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

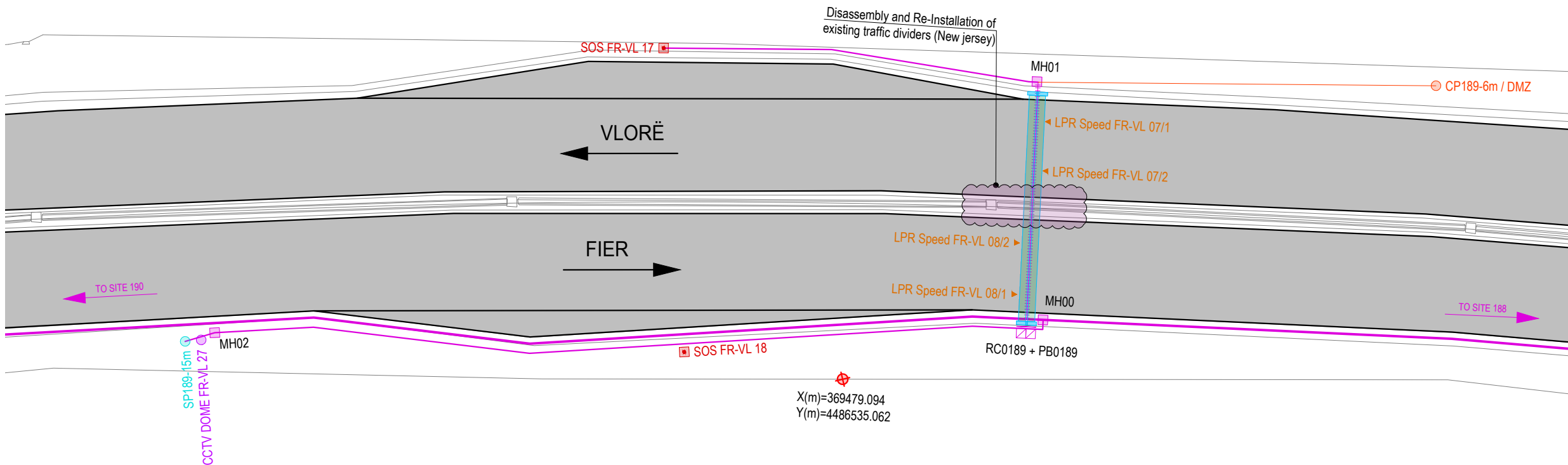
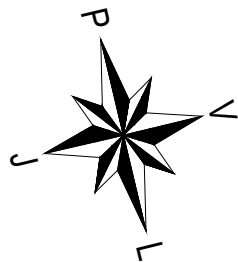
Projekt Zbatim

EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0188

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

KODI	FAZA/PHASE	DISIPLINA	I-222
B.T	P.Z	I	



AL - ARA 0189		
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	4
WS No	METEO WS	0
SOS Seg.-No	SOS EPS	2
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	1
MH No	Manhole	3
Gantry VSLs / LCS	Gantry VSLs / LCS	0
LPR Gantry	LPR Gantry	2
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
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	156
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

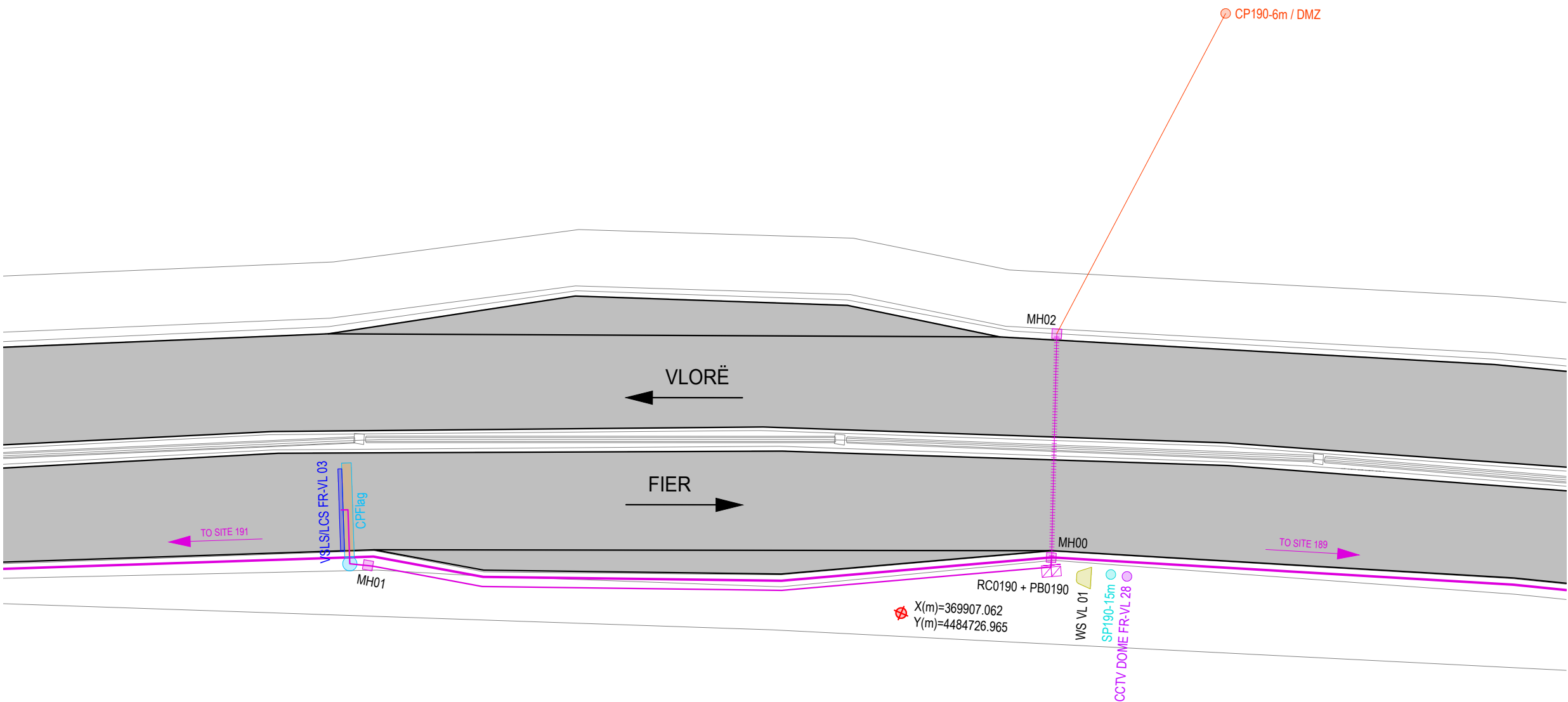
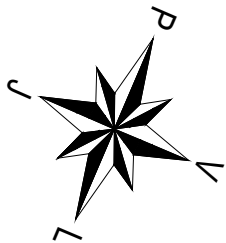
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0189

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-223
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0190		
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	1
■ 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	1
■ MH No	Manhole	3
—	Gantry VLSL / LCS	0
—	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	0
○ CPFlag	Flag Cantilever	1
◄ TO No SITE	To Site (No of Site)	-
—	Optic Fibre (Main Line)	0
—	Optic Fibre (Secondary Line)	105
+++++	Steel Pipe Ø140mm	24

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



mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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

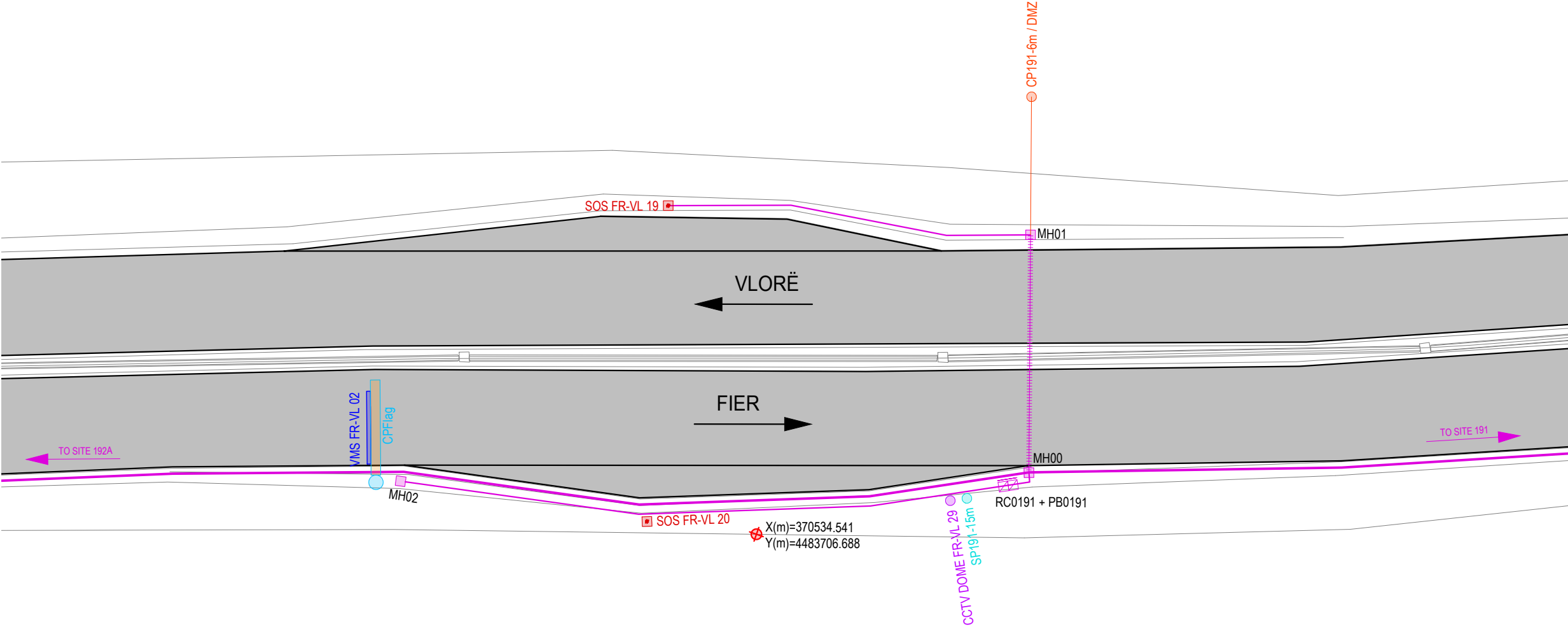
EMËRTIMI I VIZATIMIT / DRAWING TITLE

AL-ARA 0190

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-224
--------------------	--------------------------	-----------------------	--------------



AL - ARA 0191		
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	2
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	1
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	0
CPNs-6m-DA6m	Steel Cantilever Pole, Height 6m, Double Arm, Length 6m	0
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	1
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	120
Steel Pipe Ø140mm	Steel Pipe Ø140mm	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,
Njësia Administrative Nr.5, 1019, Tiranë, Shqipëri

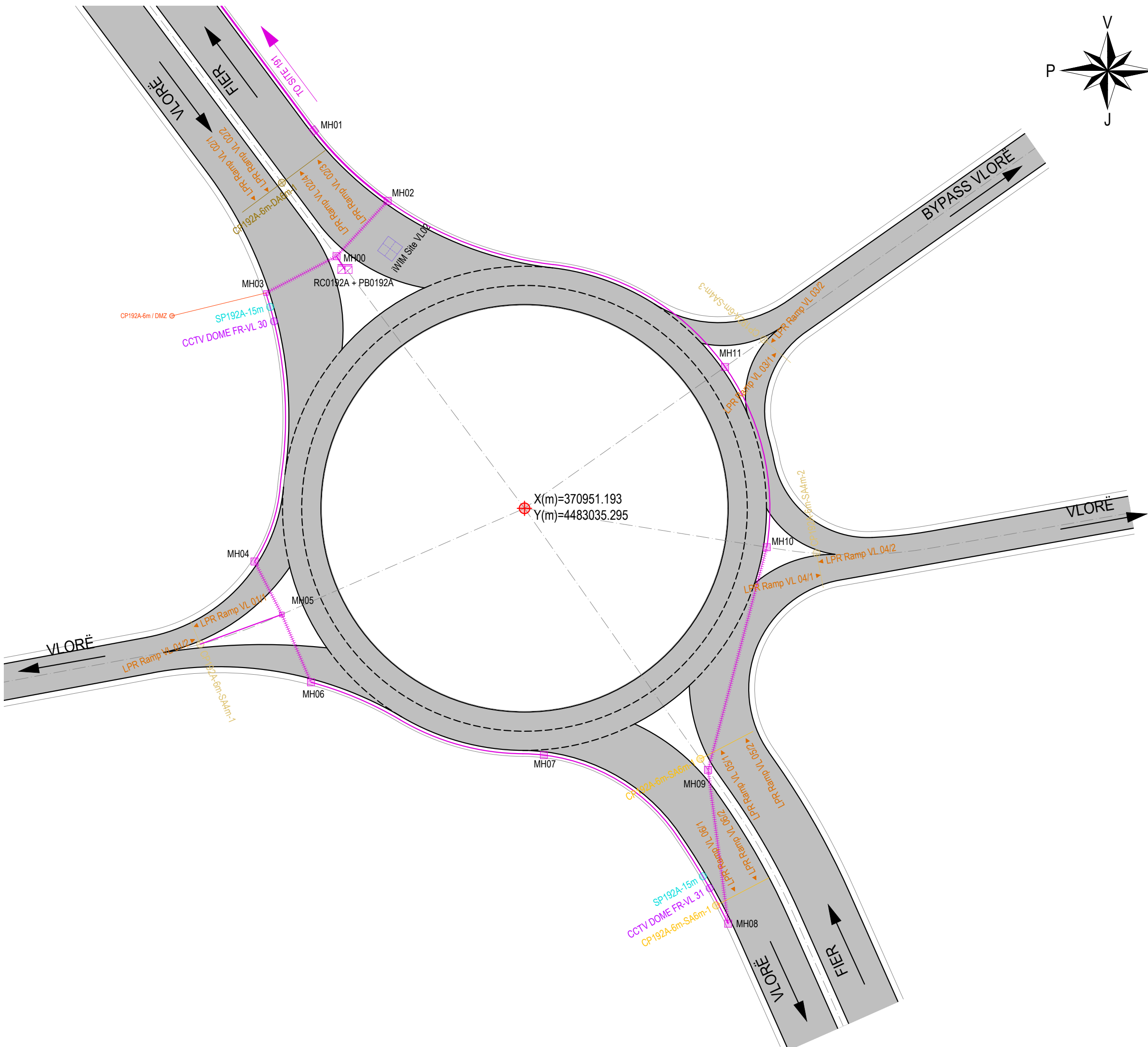


mobile: +355 0682034917
e-mail: info@infraplan.al
web: www.infraplan.al



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 0191			
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-225



AL - ARA 0192A		
SYMBOL	DESCRIPTIONS	Pc
CCTV DOME Seg.No	CCTV Camera	2
LPR Ramp Seg.No	LPR RAMP	14
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	1
RC Ns	Road Cabinet	1
PB Ns	Power Box	1
CPNs-6m / DMZ	Concrete Pole, Height 6m Demarcation Point	1
MH No	Manhole	12
Gantry VSLs / LCS	Gantry VSLS / LCS	0
LPR Gantry	LPR Gantry	0
SPNs-15m	CCTV Steel Pole, Height 15m	2
SPNs-4m	Steel Pole, Height 4m	0
CPNs-6m-SA4m	Steel Cantilever Pole, Height 6m, Single Arm, Length 4m	3
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	1
Metallic Structure - VMS	Metallic Structure - VMS	0
CPFlag	Flag Cantilever	0
TO No SITE	To Site (No of Site)	-
Optic Fibre (Main Line)	Optic Fibre (Main Line)	0
Optic Fibre (Secondary Line)	Optic Fibre (Secondary Line)	428
Steel Pipe Ø140mm	Steel Pipe Ø140mm	141

No - Number
Ns - Number of Site