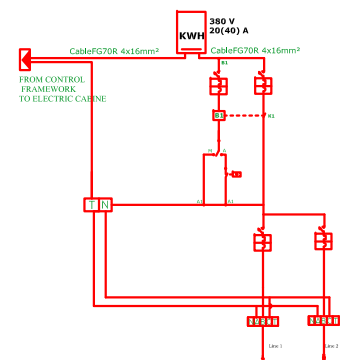


ELECTRIC SCHEME  
&  
DETAILS

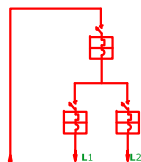
LEGEND

Project Title				
Security upgrade of Ministry of Interior (Mol) Main Supply Centre “Mullet”- -Small Arms Light Weapons(SALW) and ammunition storage location, Second Phase				
Phaza				
DETAILED DESIGN				
Chapter				
ELECTRIC SCHEME & DETAILS				
Design Team				Scale
	Eng. YLLI KARAPICI			Varies
	Eng. XHEVAHIR ALIU			Date
	Eng.PAMELA KURTULAJ			MARCH 2020
	Eng. EJONA BEZHANI			Sheet Name
	Eng. YLLI BILALI			PageC.2.00

ELECTRIC CONTROL  
FRAMEWORK SCHEME



ELECTRIC DISTRIBUTION  
POINT SCHEME

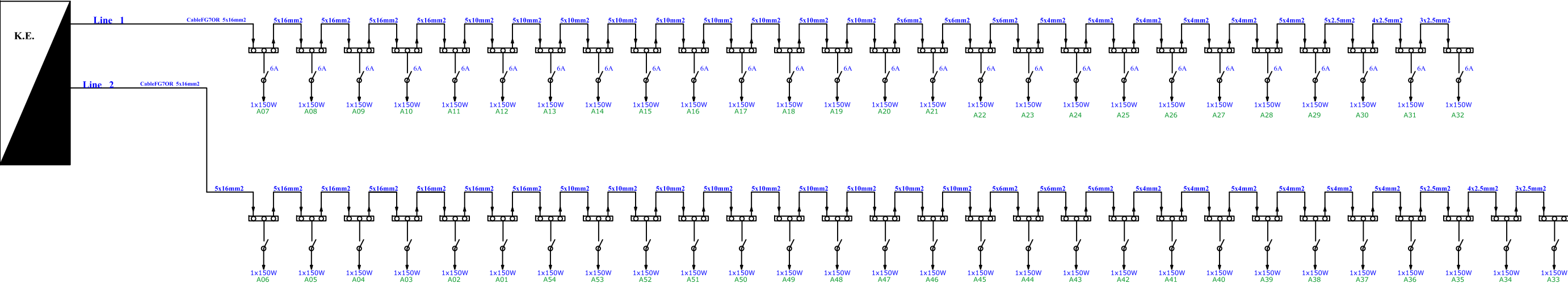


The main Automat	TYPE	MT-C 100				
	POLARITY	4				
	In(A)/Ish(kA)	20 / 10				
	VOLTAGE Un (V)	400				
	POWER Pn (KW)	8.1				
Exit Automat	TYPE		MT-C 100	MT-C 100		
	POLARITY		4	4		
	In(A)/Ish(kA)		10/6	10/6		
	VOLTAGE Un (V)		400	400		
	POWER(KW)		3.9	4.2		
Output Cables	CABLE TYPE		FGO7R	FGO7R		
	SECTION		5x16mm2	5x16mm2		
	DESTINATION		Line 1	Line 2		

The main Automat	TYPE	MT-C 100				
	POLARITY	4				
	In(A)/Ish(kA)	20/10				
	VOLTAGE Un (V)	400				
	POWER Pn (KW)	8.1				
AUTOMATE E DALJEVE	TYPE		MT-C 100	MT-C 100		
	POLARITY		4	4		
	In(A)/Ish(kA)		10/6	10/6		
	VOLTAGE Un (V)		400	400		
	POWER Pn (KW)		3.9	4.2		
Contactor	TYPE	LC1 - D18				
	VOLTAGE Un (V)	230/400				
	POWER Pn (KW)	10				
	Iac1/Iac3	10/25				
	POLARITY	3P+N+T	3P+N+T	3P+N+T		
Handhole	SECTION	16mm2	16mm2	16mm2		
	POWER (KW)	8.1	3.9	4.2		
	CABLE TYPE	FGO7R	FGO7R	FGO7R		
Output Cables	SECTION	4x16mm2	5x16mm2	5x16mm2		
	DESTINATION		Line 1	Line 2		

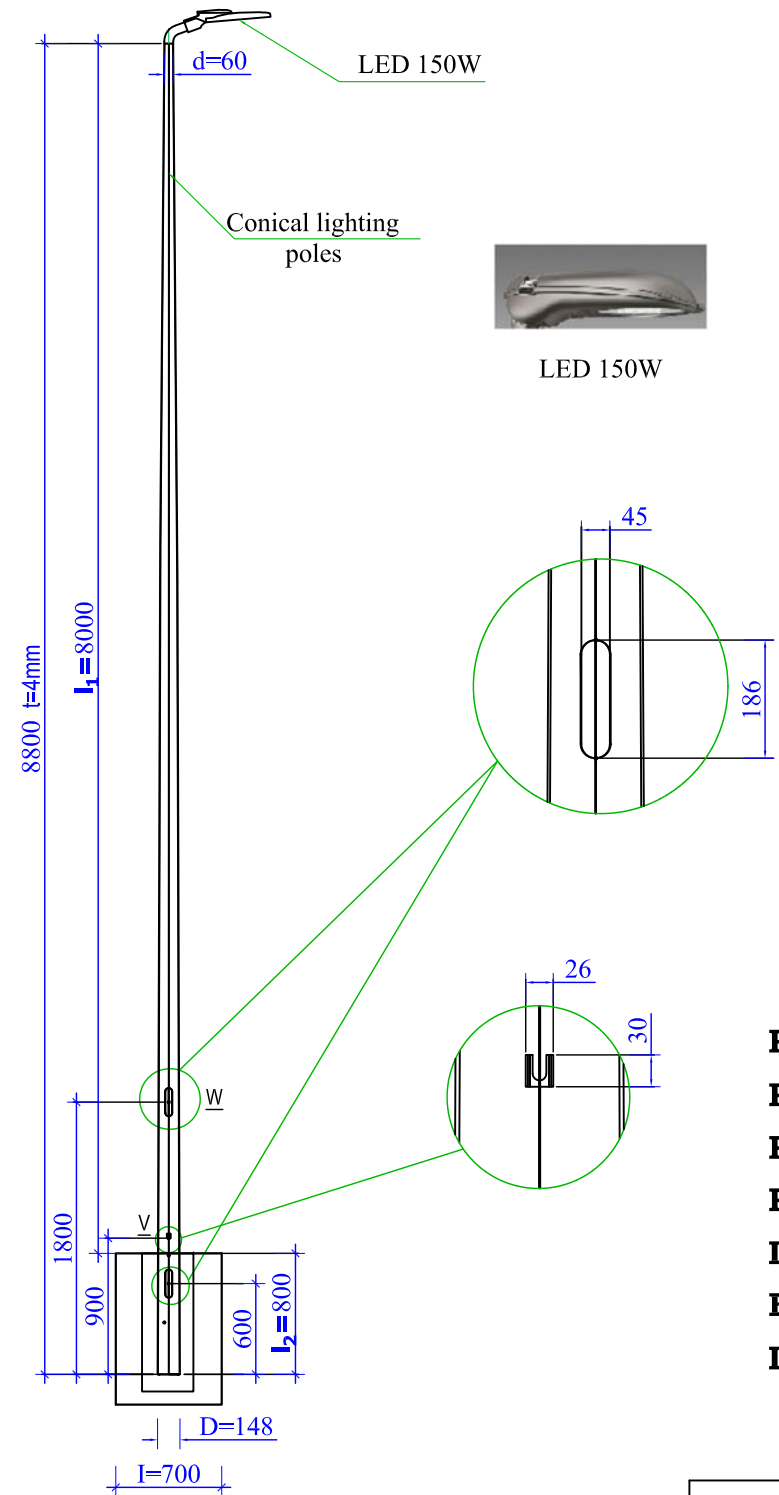
ELECTRICAL SCHEME OF LIGHTS CONNECTION

ELECTRIC CABIN



**LIGHT POLES**  
**SH 1 : 50**

**Type "A" - H=8.8m**

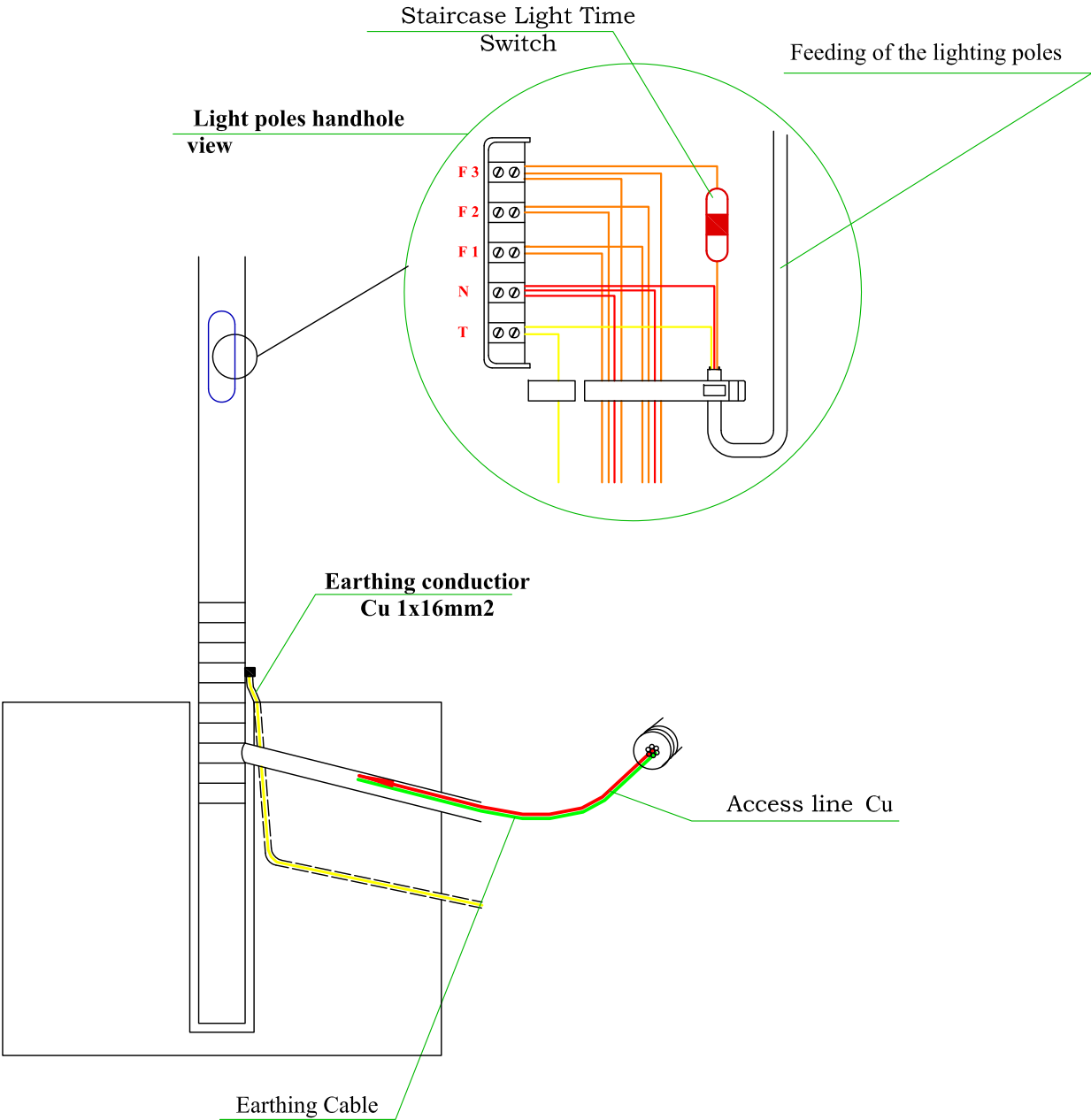


LED 150W

- Pillar height** = 8 m ON
- Pillar Step** = 25
- Pillar Arms** = 0 m
- Power Lamp** = 150W
- Lamp Intensity** = 25500lm
- En** = 39Lux
- Lighting Color** = 4000K

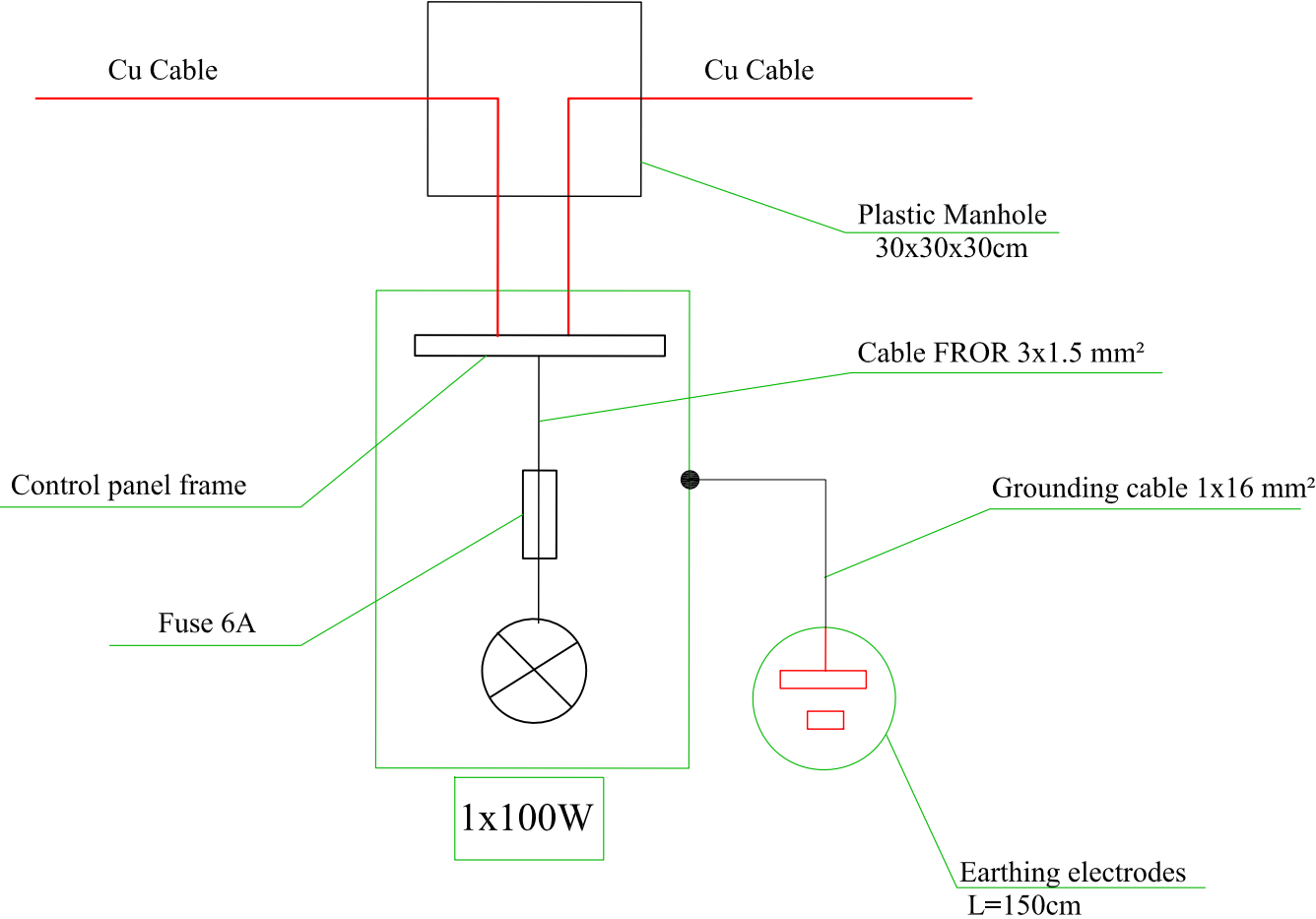
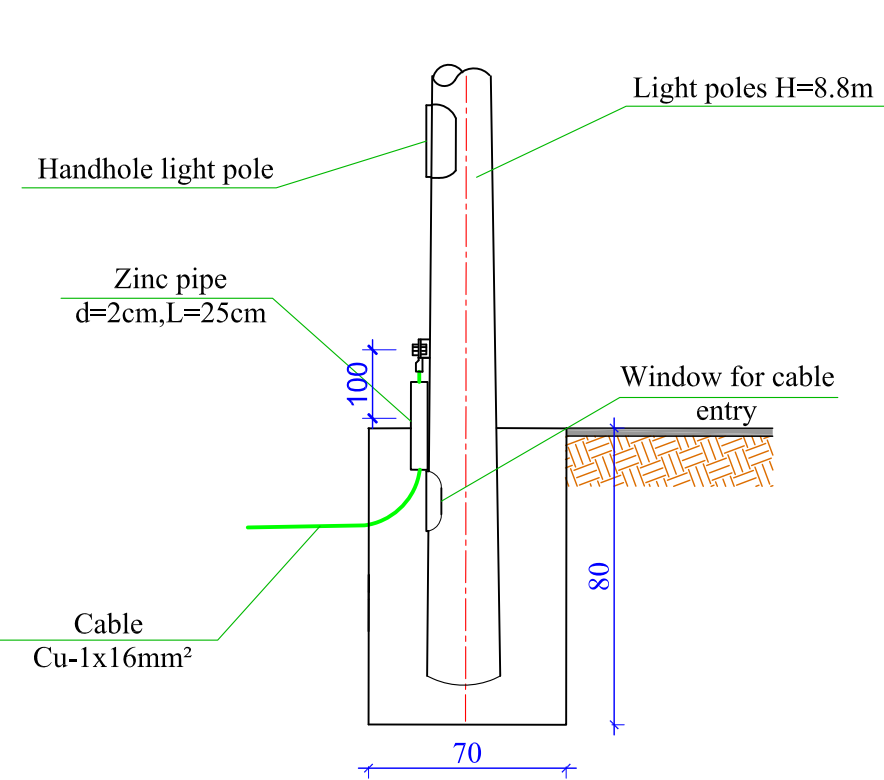
Galvanized Iron	L mm	L <sub>1</sub> mm	L <sub>2</sub> mm	S (spesort) mm	D mm	d mm	i mm	Daub m <sup>2</sup>	Weight kg	I mm	Ø mm	p mm
8800/4	8.800	8.000	800	4	148	60	1.000	2.88	92	700		

Electrical pole with manhole in the ground with equipotential connections

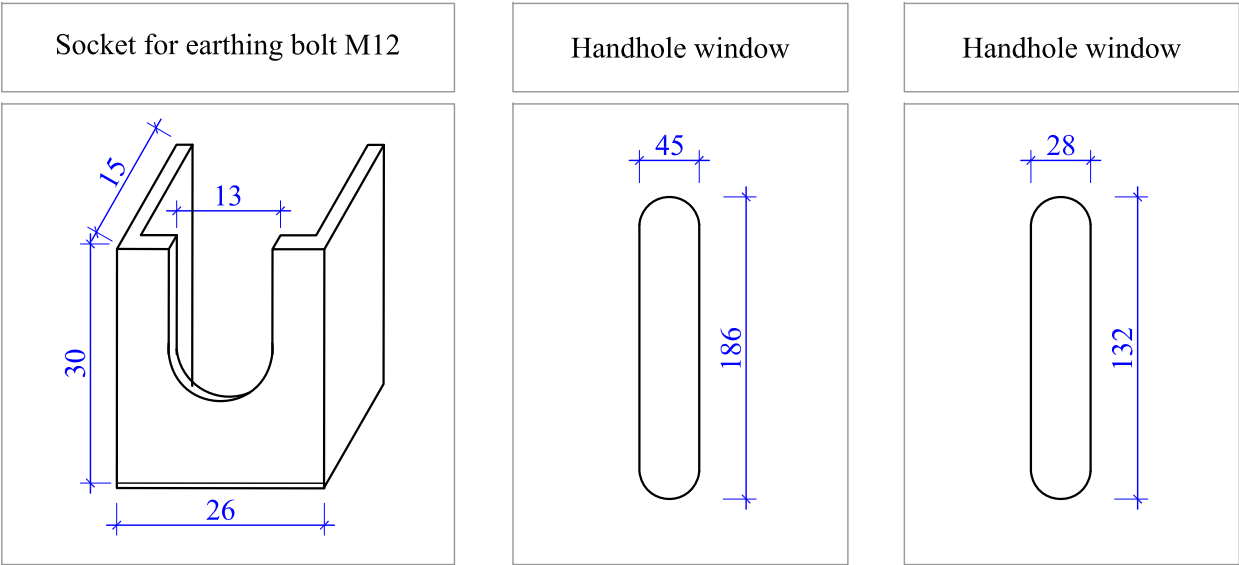
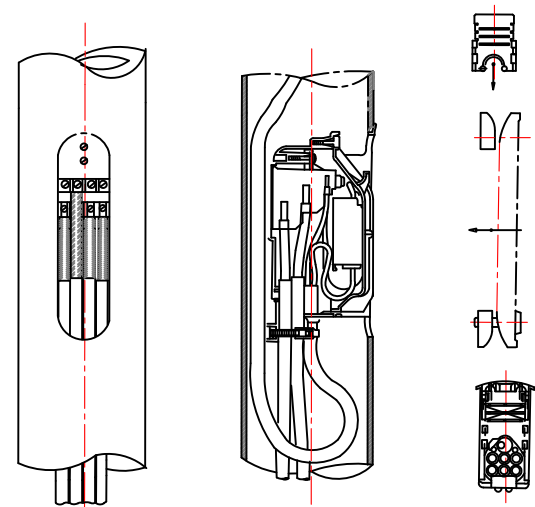


LIGHTING DETAILS

The earthing detail light pole

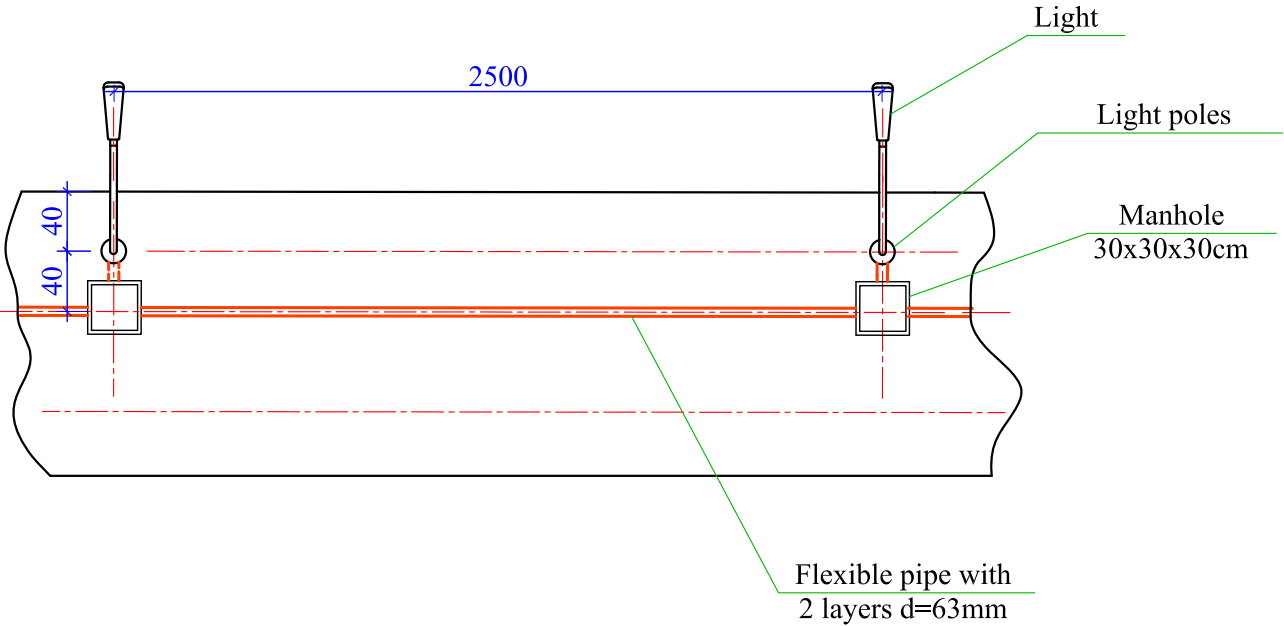


Handhole construction

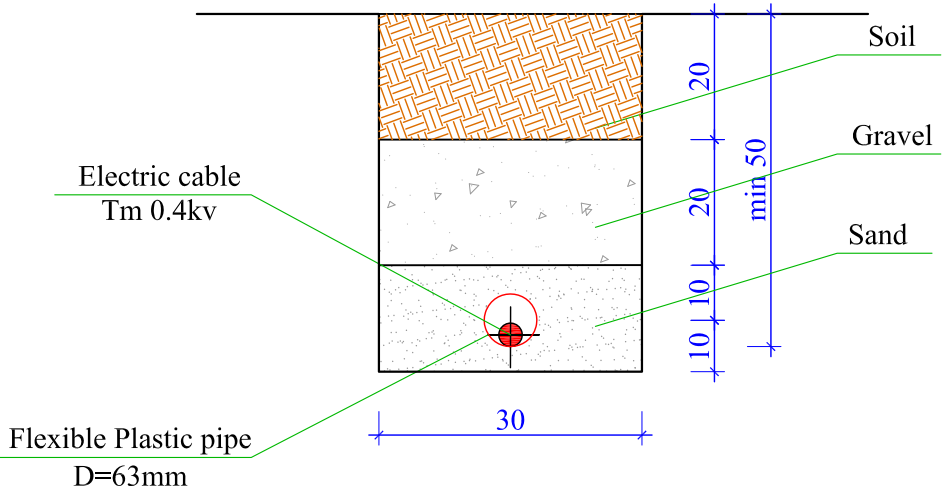


# LIGHTING DETAILS

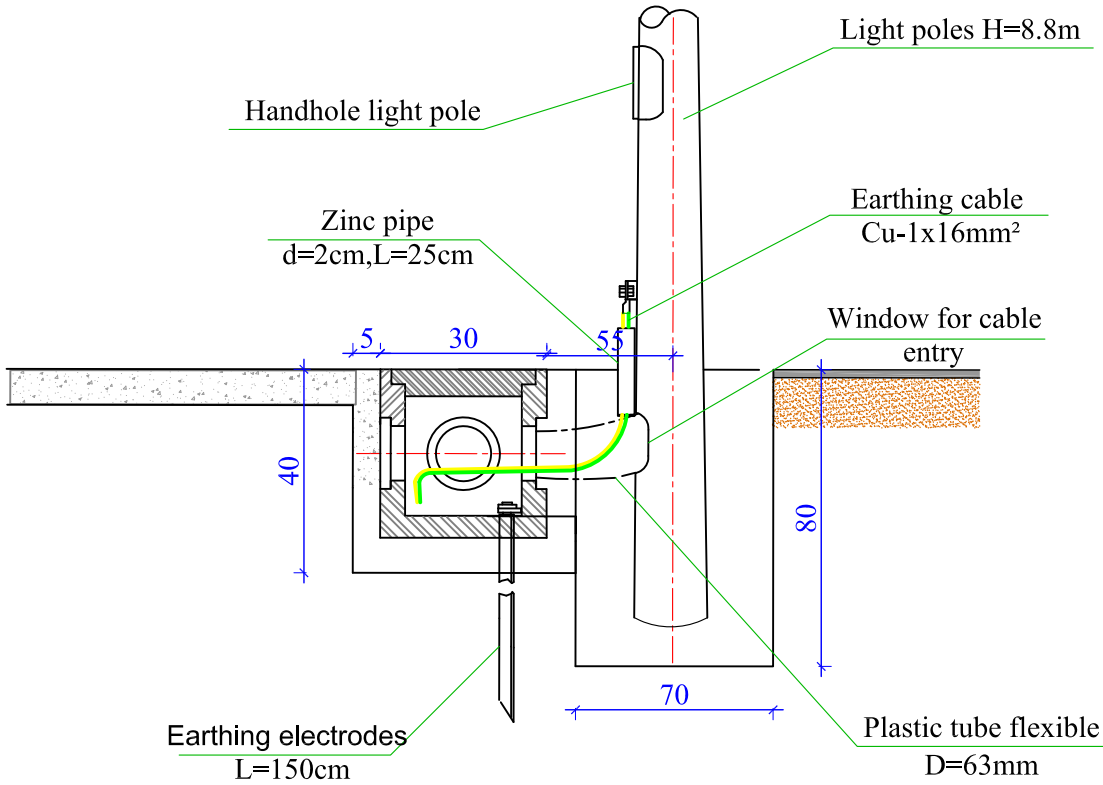
Installation lighting cable plan



Laying cables

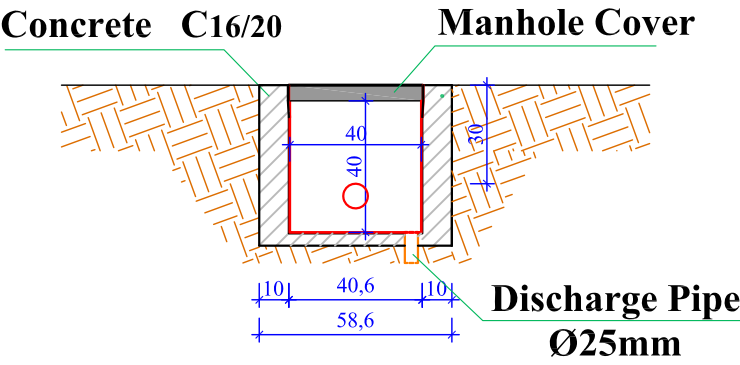


Detail of manhole mounting and earthing light pole



# **MANHOLE 40x40cm DETAILS** **Sc 1:20**

**Cross Section**

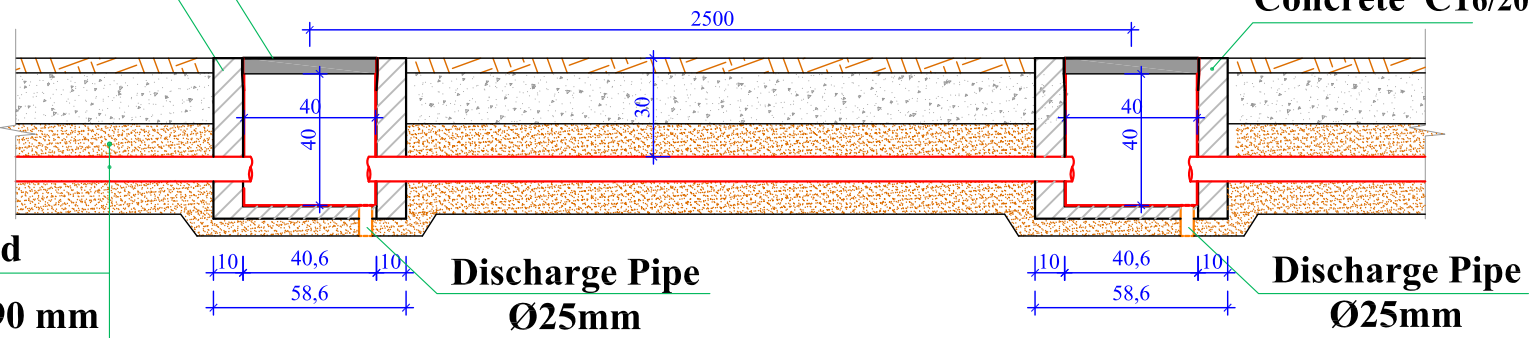


**Manhole Cover**

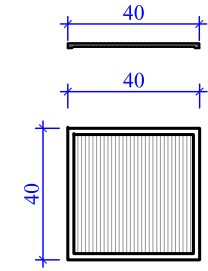
Concrete C16/20

Thick Sand  
Plastic Pipe 75-90 mm

**Manhole and pipeline  
Cross Section**



**The manhole cover**



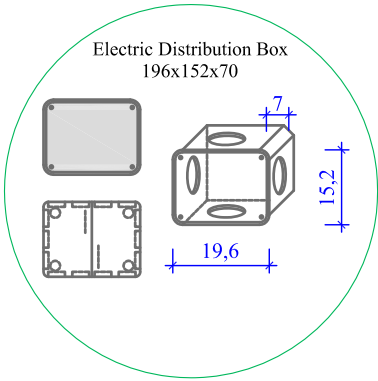
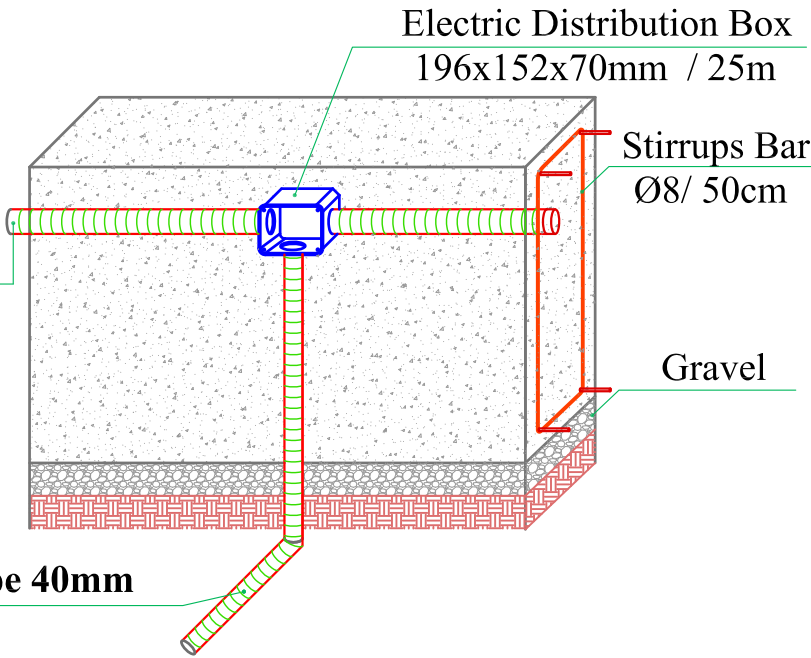
**NOTES:**  
- The pipe can be placed with a slight slope as needed, but always the depth of placement should be less than Hmin. = 30 cm from the asphalt surface.

## **ELECTRIC DISTRIBUTION BOX DETAILS**

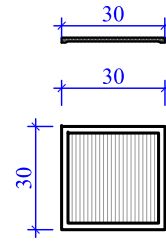


Plastic Pipe 75-90 mm

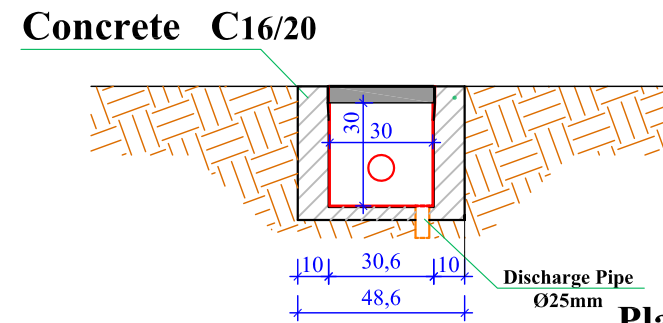
Plastic Pipe 40mm



### The manhole cover

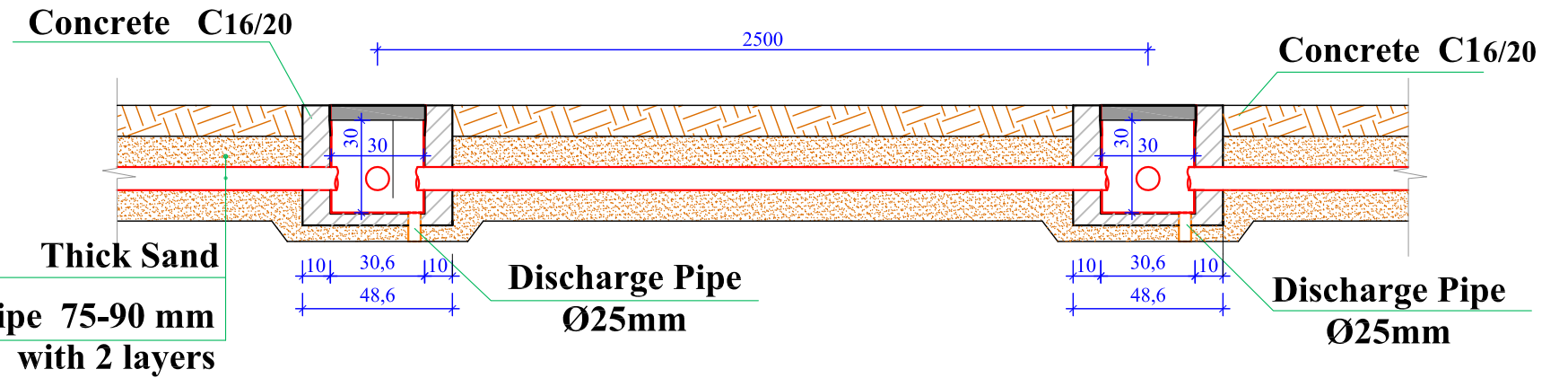


### Cross Section



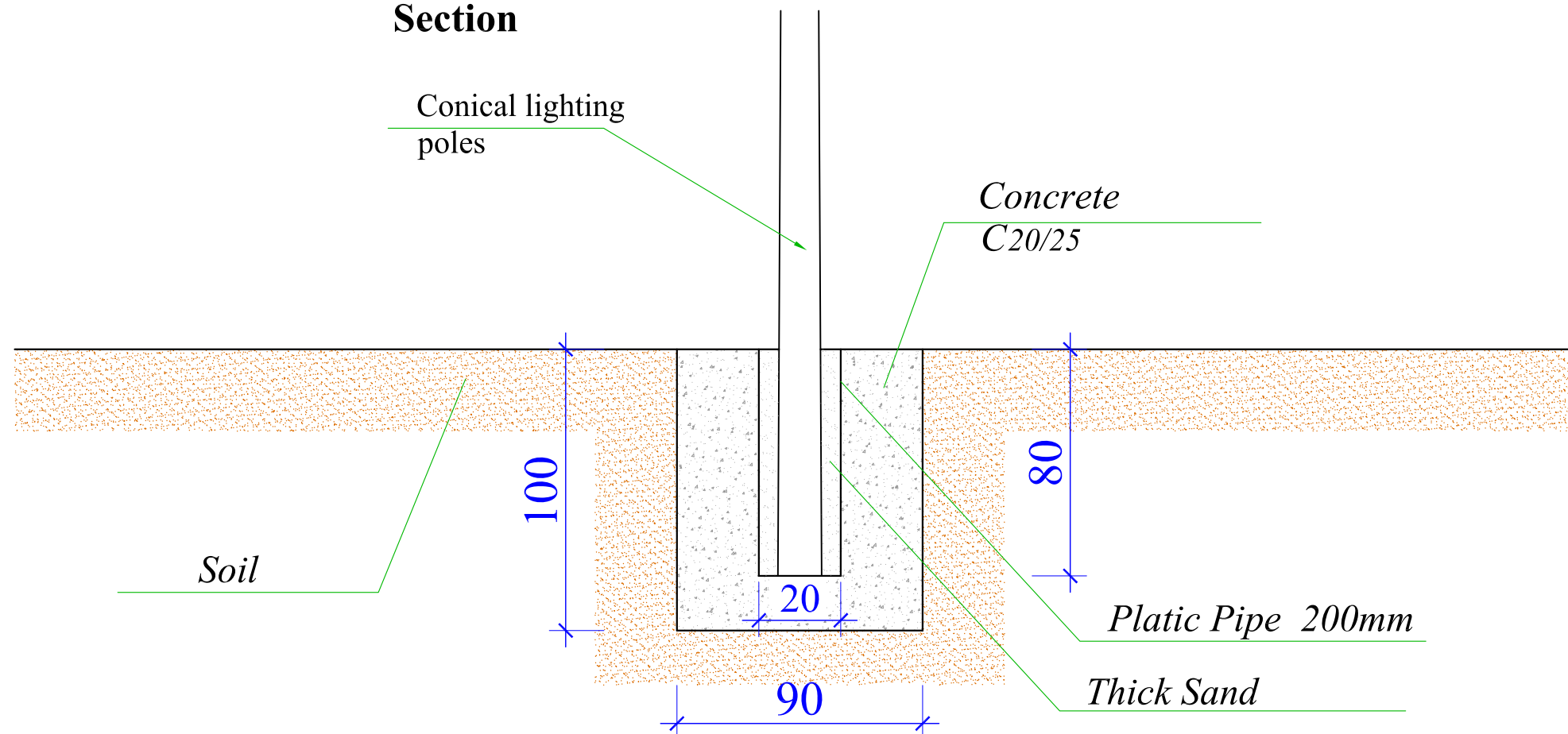
## DETAILS OF MANHOLE CONSTRUCTION LIGHTING PIPELINE 30x30cm Sc 1:20

### Manhole and pipeline Cross Section

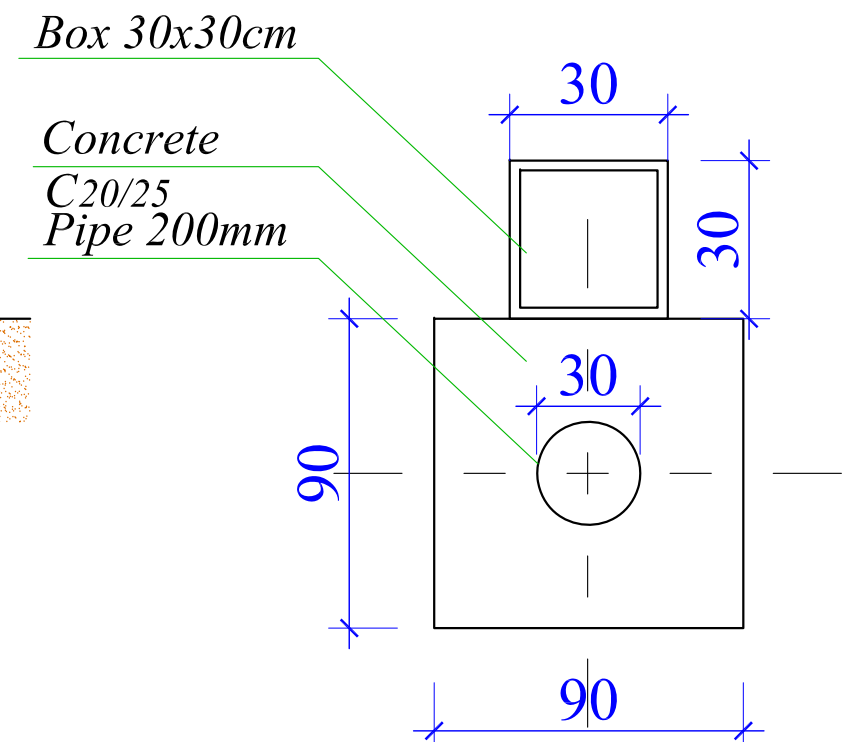


## INDICATION OF THE LIGHT PILAR H = 8.8m

### Section



### ABOVE VIEW

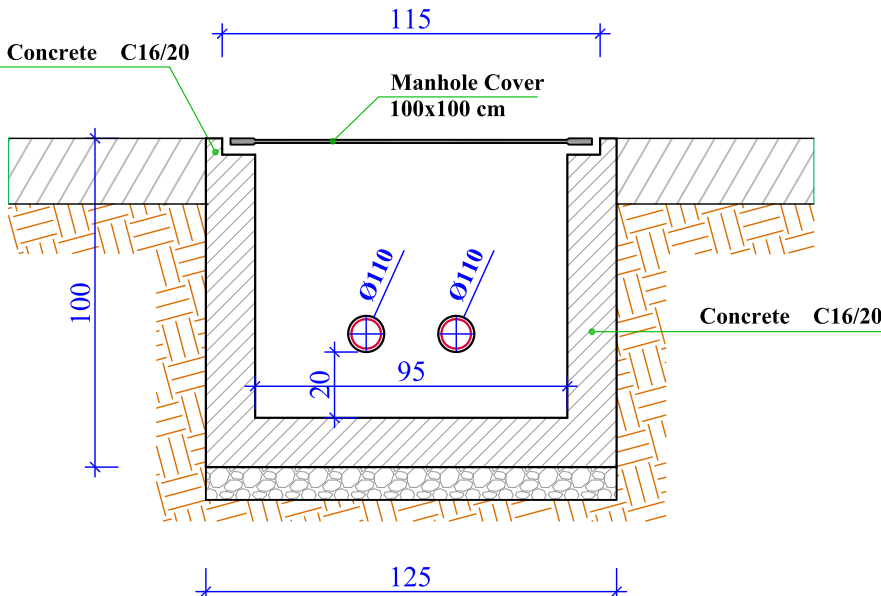




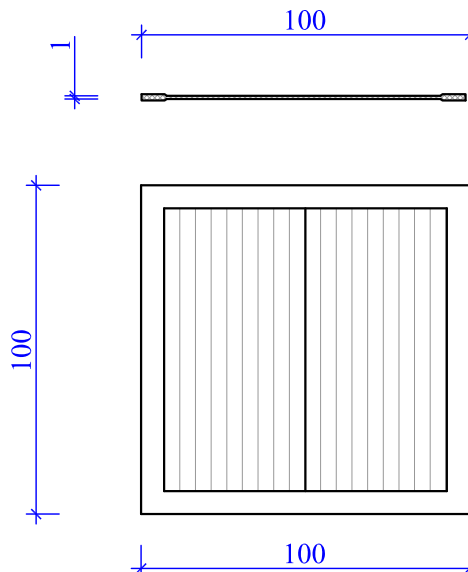
# MANHOLE DETAILS

## 100x100x80mm

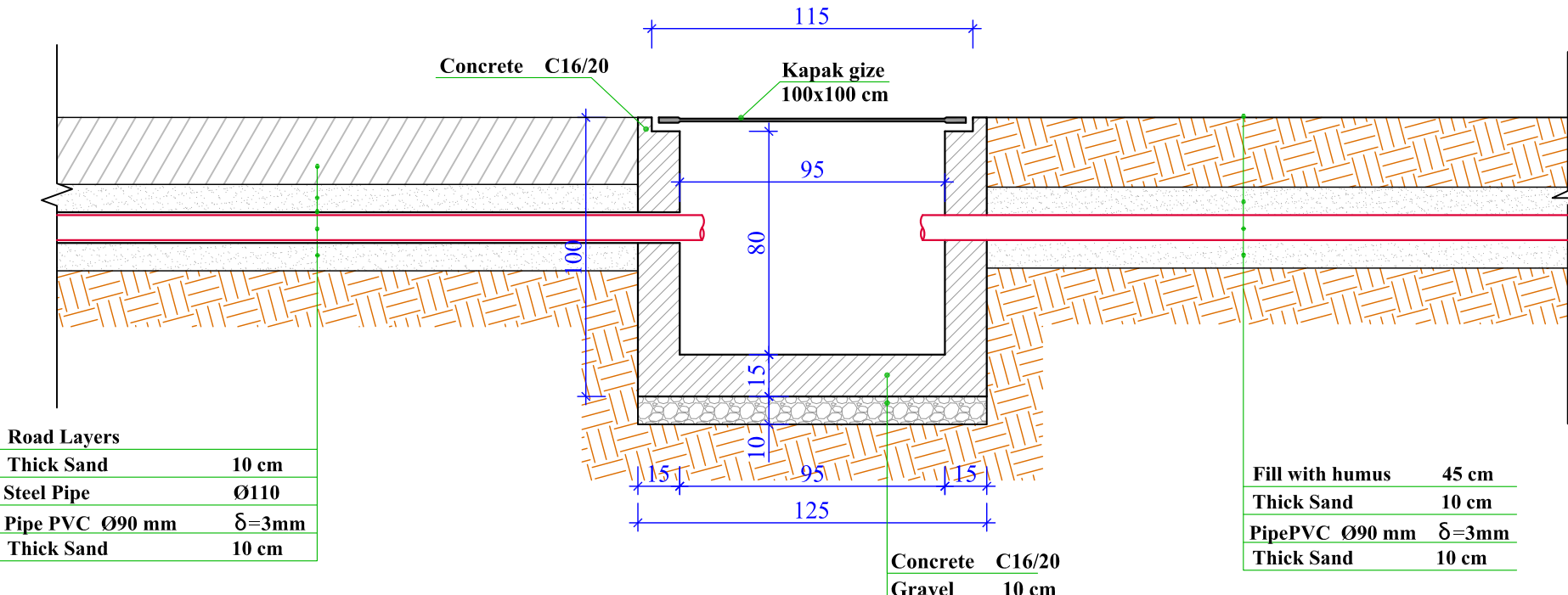
## Longitudinal Section of Manhole And Pipe Line



## The manhole cover



## Longitudinal Section of Manhole And Pipe Line



**NOTES:**

- During the realization of the interstices, the quota of placing cast iron manholes may change as the case may be.
- The pipe can be placed with a slight slope as needed, but always the depth of placement should be less than  $H_{min.} = 70\text{cm}$  from the asphalt surface.