



LEGEND	
EP	Rainwater from roads, concrete pipe in trench, if not specified, CLASS 135A
EP	Rainwater from roofs, HDPE pipe in trench, CLASS CR8
EU	Waste Water HDPE pipe in trench Ø200 CLASS CR8
EP	Industrial Process Water HDPE pipe in trench, Ø200, CLASS CR8
EP	Drainage water, HDPE perforated pipe, 0.2% slope if not indicated, CLASS CR8
EP	Higher up to 1 m, Ø125mm - Building
EP	Lower up to 4.80 m, Ø125mm - Building
EP	Ø160mm - Tunnel
EP	In the middle of tunnel, Ø110 mm
EP	Drainage water, HDPE, CLASS CR8, in the middle of the tunnel, Ø110 mm
EP	Drainage water from the drainage network to street water drainage network, HDPE pipe, Ø200mm, CLASS CR8
EP	Drainage water from the technical box, to street water drainage network, HDPE pipe, Ø200mm, CLASS CR8
EP	Open rainwater pit for collecting water from the street, grid manhole cover Ø600, internal diameter 1000mm, CLASS D400
EP	Close rainwater from the street pit, manhole cover Ø600, internal diameter 1000mm, CLASS D400
EP	Square and superficial pit, opened, for collecting water from the street pit, manhole cover 500x500 mm, CLASS D400
EP	Close rainwater from the roof pit, manhole cover Ø600, internal diameter 1000mm, CLASS D400
EP	Pit for downpipe from the roof, 400x400 mm, CLASS D400
EP	Pit for drainage system, 400x400 mm, CLASS D400
EP	Gutter 200 x 200mm with grid
EP	- grade E for vehicular access
EP	- grade B for pedestrian access
EP	SW/RW - Street water or roof water
EP	OC/S - Open/Close cover manhole/Superficial open
EP	Progressive number

NOTE
The existing network to be replaced must have the same deep and the same pit topology of the existing one

DRY NETWORK LEGEND	
EP	Drinking water (BY OTHERS)
EP	TRENCHES BY CONTRACTOR
EP	Fire hydrant (BY OTHERS)
EP	Camera network (HDPE pipe BY CONTRACTOR)
EP	Lighting network (HDPE pipe BY CONTRACTOR)
EP	LIGHTING MAST (Concrete block BY CONTRACTOR)
EP	LIGHTING supported by building parapet (BY OTHERS)
EP	CCTV MAST (Concrete block BY CONTRACTOR)
EP	CCTV Camera (BY OTHERS)

Key plan

Legend:

- Location

ISSUED FOR CONSTRUCTION

Rev.	Date	Drawn by	Checked by	Approved by	Notes
F					
E					
D					
C	18/02/2020	DS	AS	AS	UPDATED AS INDICATED
B	11/11/2019	DS	AS	AS	UPDATED FOR DIMENSIONS OF FIRE HYDRANT POSITION
A	16/10/2019	DS	CB	CB	ISSUED FOR CONSTRUCTION
-	13/09/2019	DS	CM	CB	PLAN CREATION

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
European Laboratory for Particle Physics

K3599 3599 - GENERAL ON SURFACE WORKS
PIPE NETWORK - DRY & WATER SYSTEM
GENERAL LAYOUT
STREET AND ROOF DRAINAGE WATER
J / Road and Services

CONSTRUCTION DESIGN

Lombardi **ARTELIA** **pini swiss engineers**

Scale: 1:200
Official Drawing: LHC - LOM1359930010C

NOTE: HILUMI NETWORKS ARE INDICATIVE