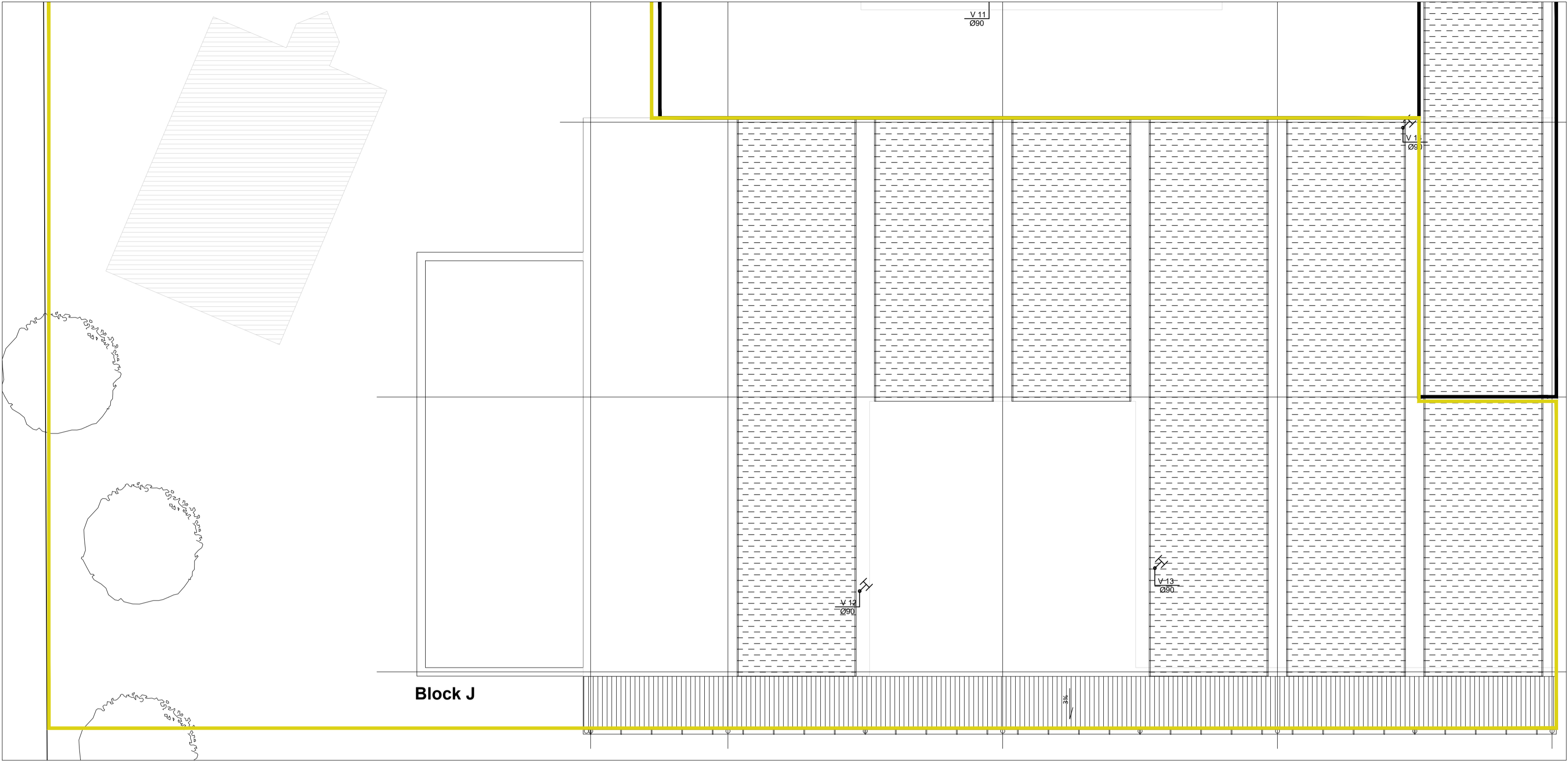
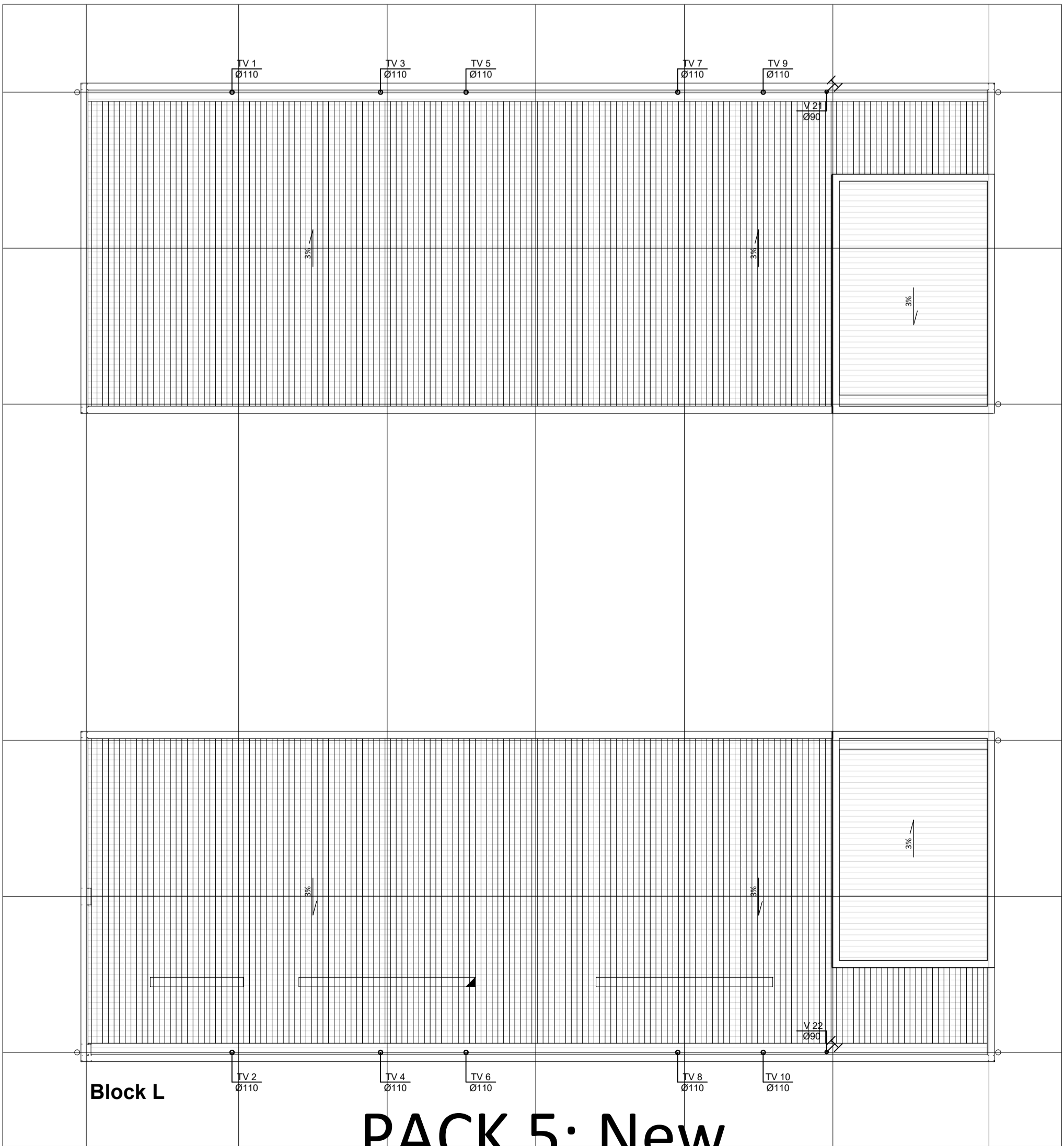


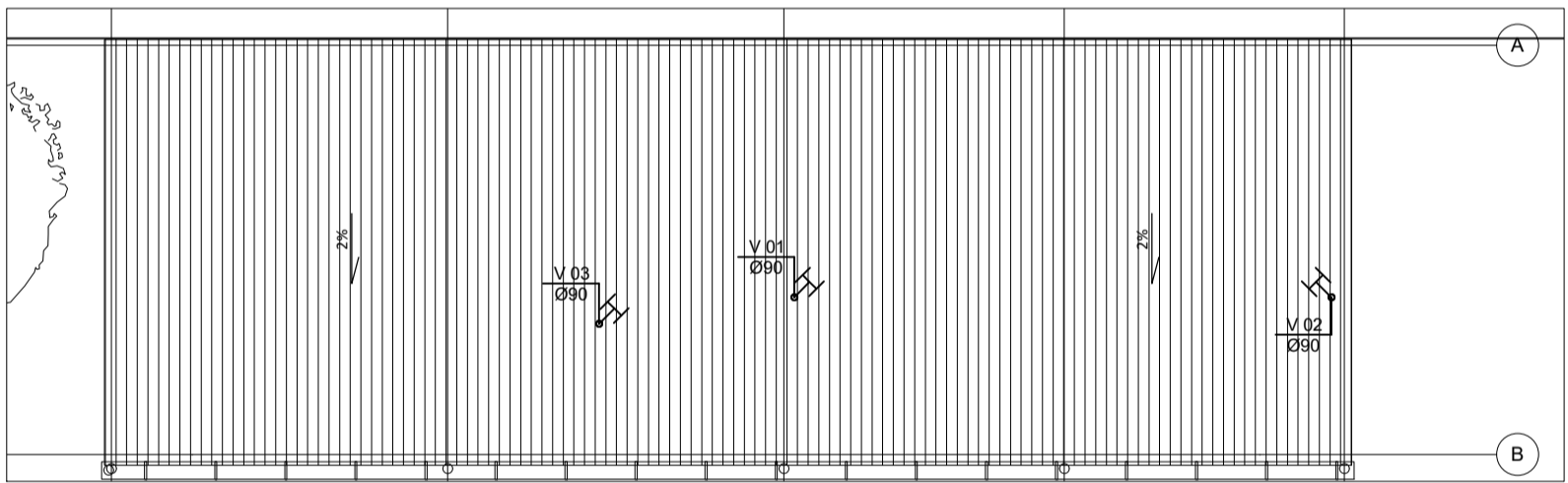
Block K



Block J



Block L



Block C

BRANCH DISCHARGE PIPE				TRAP SEAL	
Appliances	DN (mm)	i (mm/m)	l (mm)	(mm)	
Wb - Wash basin	40	20-40	30		
Wc - Water closet	90	20-40	-		
Bd - Bidet	40	20-40	30		
Bt - Bathtubs	40	20-40	30		
S - Sink	50	20-40	50		
Dw - Dishwashing machine	50	20-40	50		
Wm - Washing machine	50	20-40	50		
Sh - Shower	40	20-40	30		
Ls - Laundry sink	50	20-40	50		
Ur - Urinal	50	20-40	50		
Co - Condensates	32	20-40	32		

**MATERIALS**

All gravity drain pipes will be carried out by PVC-U, in accordance with the standard NP EN 1329.

Manhole covers will be made of cast iron. Inside the building covers shall be recessed, to receive the same finishing as the surrounding floor.

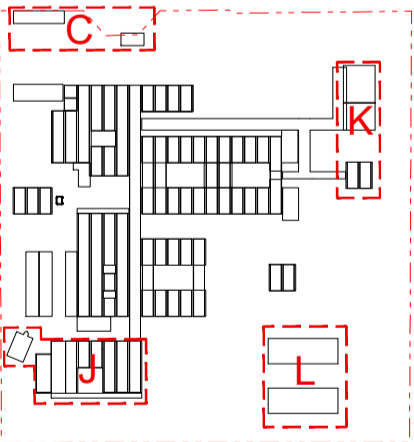
Where trenches depth is such that the drains cover is less than 1.00m and subjected to traffic load, they shall be reinforced according with the proper detail.

**LEGENDA**

- Existing wastewater network
- Wastewater drain network
- Grease wastewater drain network
- Ventilation pipe network
- Flow Direction
- Floor Trap
- Floor Gully
- Wastewater Manhole
- Grease Separator
- Septic tank
- Infiltration Pit
- Existing Septic tank
- Existing Infiltration Pit

**1** - Diameter  
**2** - Slope  
**3** - Flow-in direction of arrow  
**4** - Material

**#MH n°...** - Name and number  
**CL=...** - Cover Level of manhole  
**IBL=...** - Inside Base Level of manhole  
**Ø...xØ... / ...** - Dimensions in mm  
**IL=...** - Invert Level of Inlet pipe  
**IL.O=...** - Invert Level of Outlet pipe



REVISION	DATE	IN CHARGE
COMPANY TITLE		
In cooperation with:		
PROJECT NAME		
Rehabilitation of the Saudi Maternity Hospital Kassala Health Citadel Sudan		
TECHNICAL PROJECT		
Hydraulic WASTEWATER DRAINAGE		
PROJECT STATUS		
DETAILED DESIGN		
DRAWING NAME		
Roof - Blocks C, J, K and L		
DATE		LAYOUT ID
2020/03/06		PLT.008
DRAWING SCALE		
1/100		
HWD.01.PLT.008		