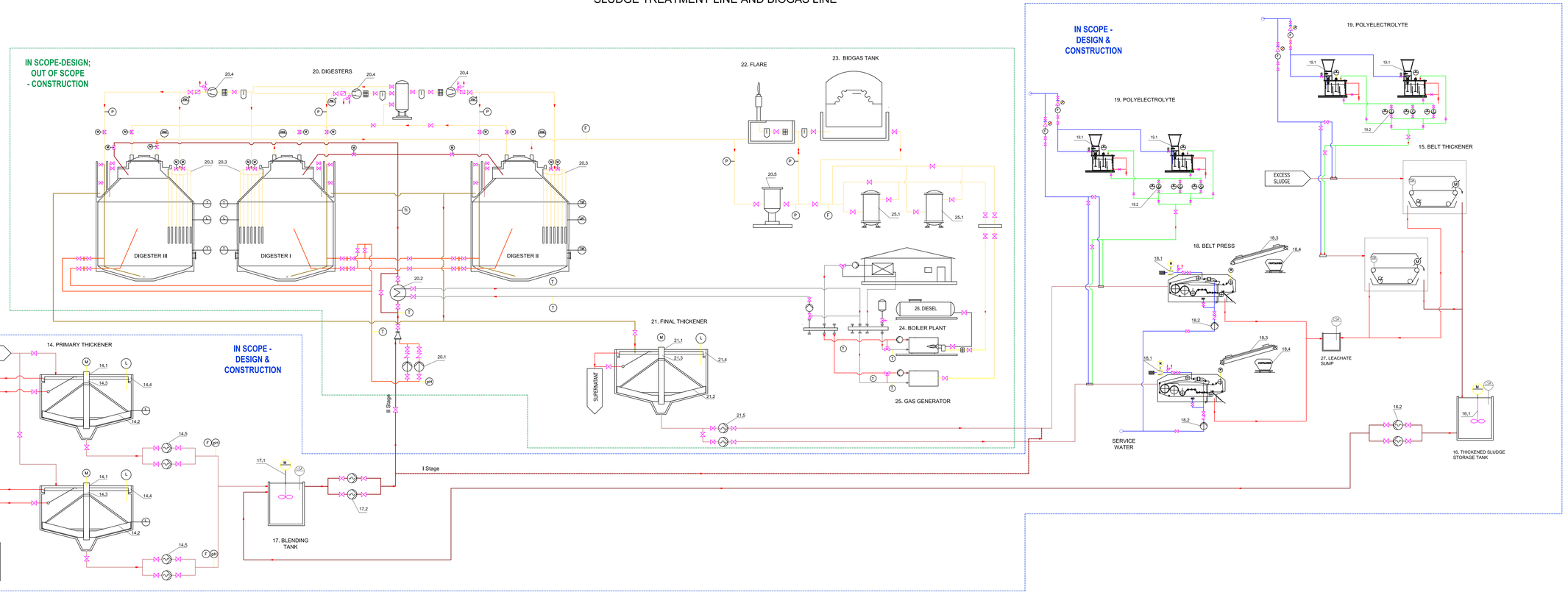
PROCESS FLOW DIAGRAM
SLUDGE TREATMENT LINE AND BIOGAS LINE



LEGEND :

14. PRIMARY SLUDGE PRIMARY THICKENER
14.1 Rotating Bridge
14.2 Scraper
14.3 Distribution Cylinder
14.4 Overflow channel
14.5 PS feeding pumps

15. EXCESS SLUDGE BELT THICKENER

16. THICKENED EXCESS SLUDGE STORAGE TANK
16.1 Agitator
16.2 ES Feeding Pumps

17. BLENDING TANK
17.1 Agitator
17.2 Raw Sludge Feeding Pumps

18. BELT PRESS
18.1 Compressor
18.2 Washing Pump
18.3 Cake Transporter
18.4 Container

19. POLYELECTROLYTE
19.1 Polymer Preparation Unit
19.2 Polymer Dosing Station

20. DIGESTERS
20.1 Sludge Recycling Pumping Station
20.2 Heat Exchanger
20.3 Digester Mixing Lances
20.4 Compressor
20.5 Filter

21. SECONDARY THICKENER
21.1 Rotating Bridge
21.2 Scraper
21.3 Distribution Cylinder
21.4 Overflow channel
21.5 TS Feeding Pumps

22. FLARE

23. BIOGAS TANK

24. BOILER PLANT

25. GAS GENERATOR
25.1 Filters

26. DIESEL

27. LEACHATE SUMP

- Primary Sludge
- Excess Sludge
- Digester Recycling Sludge
- Digester Feeding Sludge
- Digested Sludge
- Polymer dosing line
- Biogas line
- Supernatant and leachate

TENDER DRAWINGS - DWG 5.6
Wastewater Management Project Šabac
City of Šabac, Republic of Serbia
Wastewater Treatment Plant (WWTP) - Process Flow Diagram-Sludge Line
EuropeAid/139447/CWKS/RS

MUNICIPAL INFRASTRUCTURE SUPPORT PROGRAMME
EU-funded Project

City of Šabac