

LOJI RAWATAN KUMBAHAN (STP) DAN STESEN PAM PENGHUBUNG (NPS) DI KAMPUS ALAM PAUH PUTRA

4500 PE

LPK-4

Blower Room 2

Final Discharge

LOJI RAWATAN KUMBAHAN - EXTENDED AERATION -

Pintu Masuk

Blower Room 1

LPK-1

1500 PE

LPK-2

1500 PE

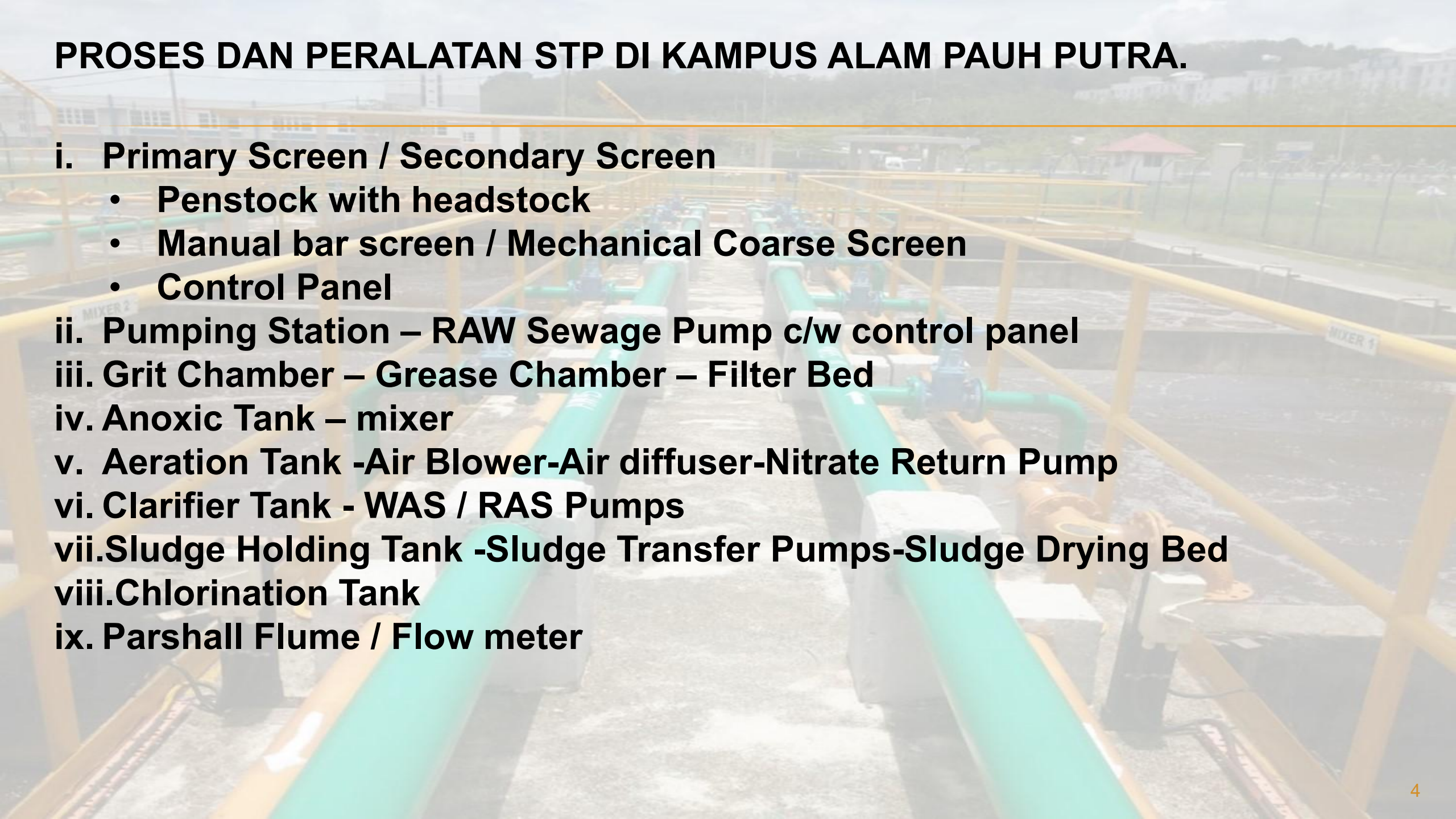
LPK-3

1500 PE

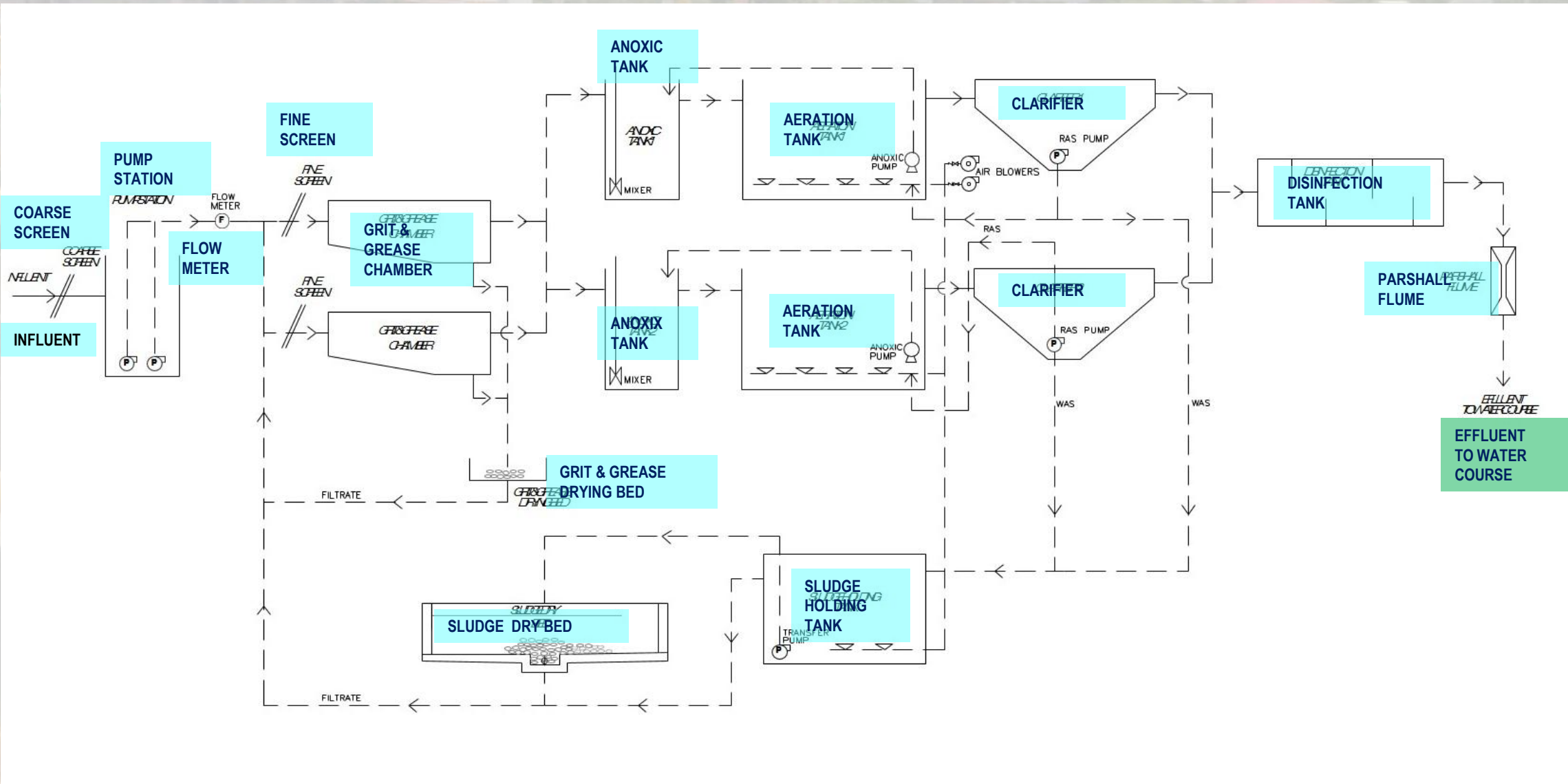
The site plan illustrates the layout of the proposed wastewater treatment plant (WWTP) and its surrounding infrastructure. Key features include:

- EXISTING PUMP SUMP TO BE UPGRADED TO 9,000 PE**: Located at the top center of the plan.
- PROPOSED SUCTION TANK**: Situated to the left of the existing pump sump.
- TANGKI SUCTION**: Located to the left of the proposed suction tank.
- RUMAH PAINT (HOUSE)**: Located to the right of the proposed suction tank.
- PROPOSED PUMP HOUSE**: Located to the right of the proposed suction tank.
- NEW 4500 PE STP**: Located on the left side of the plan, with a 4 METER ACCESS ROAD ALL AROUND.
- 4500 PE**: A large rectangular building, likely a treatment tank, with a 4 METER ACCESS ROAD ALL AROUND.
- 1500 PE**: Three smaller rectangular buildings, likely treatment tanks, arranged vertically on the right side of the plan, each with a 4 METER ACCESS ROAD ALL AROUND.
- 4 METER ACCESS ROAD ALL AROUND**: A network of roads surrounding the various buildings and tanks.
- existing 4500 PE STP**: Located at the bottom right of the plan, with a 4 METER ACCESS ROAD ALL AROUND.
- TURFING**: A designated area for turfing, located between the 4500 PE and 1500 PE buildings.
- 750 HDPE PIPE**: A large pipe running along the top edge of the plan.
- 4750**: A numerical value, likely a stationing or elevation, located near the top right.
- 46050**: A numerical value, likely a stationing or elevation, located near the bottom right.
- TAKAT PELEPASAN ANHAR BARU (9,000 PE)**: A note indicating the new release point for the 9,000 PE treatment plant.
- 6°27'32.11"N / 100°20'49.09"E**: The coordinates of the new release point.

PROSES DAN PERALATAN STP DI KAMPUS ALAM PAUH PUTRA.

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- i. Primary Screen / Secondary Screen**
 - **Penstock with headstock**
 - **Manual bar screen / Mechanical Coarse Screen**
 - **Control Panel**
 - ii. Pumping Station – RAW Sewage Pump c/w control panel**
 - iii. Grit Chamber – Grease Chamber – Filter Bed**
 - iv. Anoxic Tank – mixer**
 - v. Aeration Tank -Air Blower-Air diffuser-Nitrate Return Pump**
 - vi. Clarifier Tank - WAS / RAS Pumps**
 - vii. Sludge Holding Tank -Sludge Transfer Pumps-Sludge Drying Bed**
 - viii. Chlorination Tank**
 - ix. Parshall Flume / Flow meter**

JADUAL SKIMATIK



PERALATAN : STP 9000 PE

NO	EQUIPMENTS	LOCATION	BRAND	MODEL	CAPACITY
1	Raw Sewage Pump	Pump Station	Ebara	100 DML 55.5	Flowrate : 2.6 m³/min Head : 6.0 m Nos : 4
2	Coarse Mechanical Screen	Coarse Screen Chamber	Herman	HER-6000F	Width : 0.5 m Depth : 5.5 m Nos : 2
3	Fine Mechanical Screen	Fine Screen Chamber	Herman	Her-700F	Width : 0.5 m Depth : 0.7 m Nos : 2
4	MLSS Return Pump For Anoxic	Aeration Tank	Ebara	100 DML 52.2	Flowrate : 1.4 m³/min Head : 3.0 m Nos : 2
5	Anoxic Mixer	Anoxic Tank	Shinmaywa	SM750	Power : 0.75 Kw
6	Sludge Pump	Sludge Holding Tank	Ebara	65 (80) DVS 5.75	Flowrate : 0.25 m³/min Head : 5.5 m Nos : 1
7	RAS / WAS Pump	Clarifier	Ebara	65 (80) DVS 5.75	Flowrate : 0.25 m³/min Head : 5.5 m Nos : 1
8	Air Blower	Blower Room	Fu-Tsu	TSD-125 TSC 80	Flowrate : 0.25 m³/min Pressure : 6,000mm Aq Nos : 3 + 6
9	Penstock	Pump Station	KT penstock	450 mm	-
10	Float Switch	Pump Station -4 Nos	Remoto	RNC 1002	-
11	Fine Bubble Diffuser	Aerotion Tank	Uniflex	U330	-
12	Coarse Bubble Diffuser	Sludge Holding Tank	Uniflex	PT3/4B	-

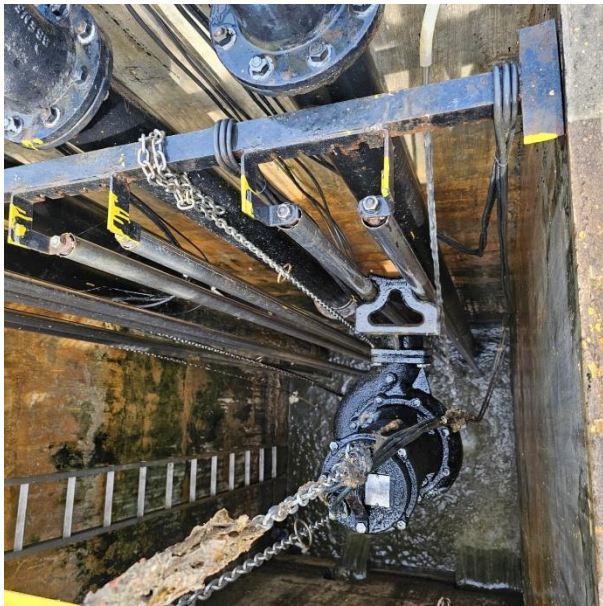
PERALATAN : NETWORK PUMP STATION 6,500 PE

NO	EQUIPMENTS	LOCATION	BRAND	MODEL	CAPACITY
1	Raw Sewage Pump	Pump Station	Ebara	150 DML 55.5	Flowrate : 2.0 m ³ /min Head : 7.0 m Nos : 4
2	Coarse Mechanical Screen	Screen Chamber	Herman	HER-6,000F	Width : 0.5 m Depth : 5.5 m Nos : 2
3	Penstock	Pump Station	KT penstock	225mm	-
4	Float Switch	Pump Station -4 Nos	Remoto	RNC 1002	-
5	Gate Valve	All Pump Installation	LYE	100 mm	-
6	Check Valve	All Pump Installation	LYE	100 mm	-



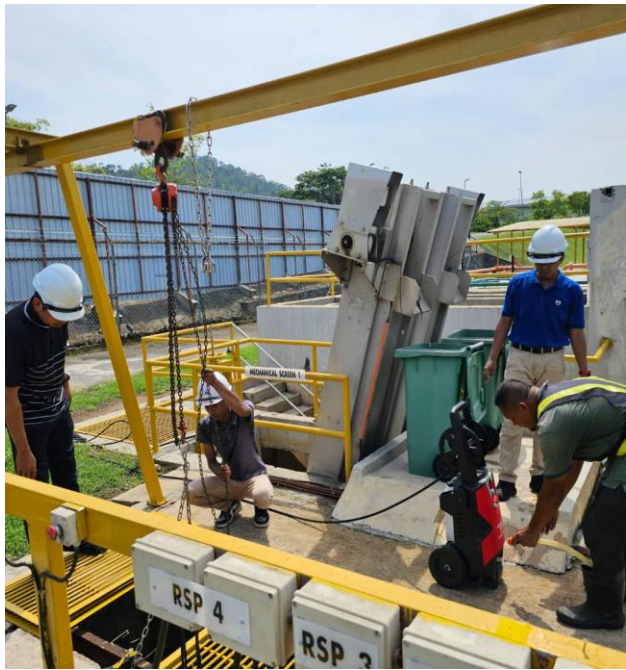
KERJA PERSAMPELAN “EFFLUENT” DARIPADA MAKMAL YANG BERTAULIAH







KERJA-KERJA PENGANTIAN PAPAN TANDA PROSES YANG TELAH ROSAK







KERJA-KERJA MEMBAIK PULIH MOTOR BLOWER



PEMERIKSAAN SAMPLE AIR DARIPADA JABATAN ALAM SEKITAR (JAS)



LAWATAN DARIPADA PIHAK INDAH WATER



LAWATAN DARIPADA PENSYARAH DAN PELAJAR UniMAP BAGI TUJUAN PdP