

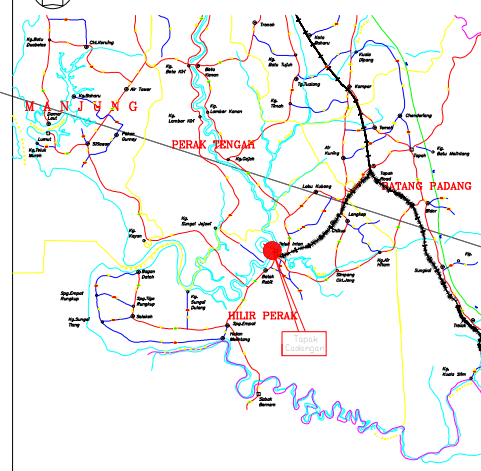
LEGEND

NO.	ITEM	DESCRIPTION
1		NEW MANHOLE Ø1.20 m
2		EXISTING MANHOLE
3		EXISTING SEWERLINE
4		NEW Ø225mm VITRIFIED CLAY JACKING PIPE (VCJP) - PIPE JACKING
5		NEW Ø300mm VITRIFIED CLAY JACKING PIPE (VCJP) - PIPE JACKING
6		NEW Ø225mm VITRIFIED CLAY PIPE (VCP) - OPENCUT
7		STP BOUNDARY
8		10m BUFFER ZONE

TOTAL ESTIMATION PE UNTIL YEAR 2050

NO.	DESCRIPTION	TOTAL PE
1	EXISTING PHP003	1,868 PE
2	RATIONALISE & DECOMMISSION 4 PUBLIC STPs (PHP005, PHP009, PHP011, PHP014)	1,170 PE
3	GOVERNMENT PREMISE	20 PE
4	WORSHIP PLACE	20 PE
5	FUTURE DEVELOPMENT (PDC1 SUBMISSION)	900 PE
6	ALLOWANCE	22 PE

PELAN KUNCI  
SKALA : TANPA SKALA



PELAN TAPAK  
SKALA : LAPIN RANTAI SENCI  
SYIT PIAWAI : 908 & 909



IWK REF:IWK/C/PK.13/25/0016

REVISION AMENDMENTS REVISED DATE

CLIENT :

JABATAN PERKHIDMATAN PEMBETUNGAN  
KEMENTERIAN PERALIHAN TENAGA  
DAN TRANSFORMASI AIR  
BLOK B, ARAS 2 DAN 3, SUASANA PIH  
NO.2, JALAN TUN ABDUL RAZAK, PRESENT 2,  
62100 PUTRAJAYA.

LICENSED CONTRACTOR :

PUNCAK UTARA SDN BHD  
NO. 13, JALAN DATO' SYED OSMAN IDID,  
08000 SUNGAI PETANI,  
KEDAH DARUL AMAN.  
TEL : +604-423 4393  
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EMAIL : puncakutara@hotmail.com

PROJECT TITLE :

PROJEK MENAIK TARAF LOJI RAWATAN KUMBAHAN SEDIA ADA PHP003 DAN KERJA RASIONALISASI BAGI KAWASAN TADAHAN PEMBETUNGAN DI TAMAN MUHIBAH, TELUK INTAN, PERAK. (REKA DAN BINA)

UNTUK TETUAN :

JABATAN PERKHIDMATAN PEMBETUNGAN

DRAWING TITLE :

PROPOSED FULLY ENCLOSED TYPE SEWAGE TREATMENT PLANT (STP) WITH EA SYSTEM FOR 4000 PE.

- LATITUDE & LONGITUDE COORDINATE

CIVIL & STRUCTURE ENGINEER :

**LT CONSULTANCY**  
NO. 40, TAMAN DAVID CHEN,  
11400 PULAU PINANG.  
TEL : (04) 229 9410 FAX : (04) 229 9410  
EMAIL : ltsbpg1@gmail.com



I HEREBY CERTIFY THAT THE WORKS HAVE BEEN DESIGNED BY ME IN ACCORDANCE WITH SOUND ENGINEERING PRACTICE AND THAT I TAKE FULL RESPONSIBILITY FOR THE DESIGN AND PROFESSIONAL PERFORMANCE OF THE SAME

DRAWN BY : DHM CHECKED BY : I.R. TAN

SCALE : 1 : 1.25 (A1) DATE : OKT 2025

DRAWING NO. : LTC/STP/280/JPP/TI/4000PE/01

01

PROJEK MENAIK TARAF LOJI RAWATAN KUMBAHAN SEDIA ADA PHP003 DAN KERJA RASIONALISASI BAGI KAWASAN TADAHAN PEMBETUNGAN DI TAMAN MUHIBAH, TELUK INTAN, PERAK (REKA DAN BINA)

Existing Design PE = 935PE  
Existing Current PE = 1,868PE  
Existing System = OXIDATION POND PUMPING STATION (OPPS)  
New Design PE = 4,000PE  
New System = FULLY ENCLOSED TYPE EXTENDED AERATION SYSTEM  
SEWAGE TREATMENT PLANT (STP)  
Area Required = 1943.00m<sup>2</sup>  
Area Provided = 4249.15m<sup>2</sup>  
STP Effluent Discharge Point to External Drain and Final Discharge Sg.Perak  
Coordinates:  
Lat= 3°57'38.3"N Long= 100°58'18.0"E

FUTURE DEVELOPMENT



MANHOLE	LATITUDE	LONGITUDE
EXSMH	3.9606697	100.9716088
MH 13/1	3.9605831	100.9718083
MH 13/2	3.9609024	100.9716992
MH 13	3.9598980	100.9719538
MH 12	3.9596763	100.9717067
MH 7	3.9589338	100.9713983
MH 6	3.9588257	100.9717191
MH 5	3.9586500	100.9722570
MH 4	3.9584307	100.9729721
MH 3	3.9579280	100.9727159
MH 2	3.9577283	100.9733332
MH 1	3.9572985	100.9731917
MH 7/2	3.9584735	100.9711750
MH 7/1	3.9582842	100.9717704
MH 11	3.9580482	100.9710338
MH 10	3.9582816	100.9703526
MH 9	3.9584087	100.9699066
MH 8	3.9584440	100.9694248
MH 8/1	3.9583950	100.9693518
MH 8/2	3.9586980	100.9688562
MH 8/1	3.9580123	100.9683657
MH 11/5	3.9586388	100.9709089
MH 11/4	3.9583331	100.9707673
MH 11/4a	3.9582811	100.9709473
MH 11/3	3.9578574	100.9704313
MH 11/2	3.9579357	100.9700431
MH 11/1	3.9575059	100.9699281
EX LMH PHP009	3.9573524	100.9703857
EX LMH PHP 011	3.9580213	100.9693315
EX LMH PHP014	3.9583927	100.9693035
EX LMH PHP005	3.9583387	100.9709229