

ROAD AND DRAINS WORKS CHECKLIST FOR INTERIM FOR PROGRESS CLAIMS

ITEM	WORK ITEM	WORKS DESCRIPTION
1.	ROADS	<input type="checkbox"/> Materials Approval
		<input type="checkbox"/> Compaction Test
		<input type="checkbox"/> C.B.R. Test (_ Nos)
2.	DRAINS	<input type="checkbox"/> Materials Approval
		<input type="checkbox"/> Interim As-built Levels
		<input type="checkbox"/> Interim As-built I.L.'s

ROAD AND DRAINAGE WORKS CHECKLIST AS-BUILT DOCUMENTATIONS FOR C.P.C

NO.	DESCRIPTION
1.	GENERAL
1.1	Keyplan, Location Plan, Site/Layout Plan.
1.2	TBM Location and R.L.
1.3	all with reference to the Construction Drawing.
2.	AS-BUILT WORKS(BY LICENCED SURVEYOR)
2.1	Drains
	(a) sizes (in different colour legends).
	(b) lengths.
	(c) gradient.
	(d) types.
2.2	I.L of
	(a) sumps.
	(b) culverts.
	(c) drains corners.
	(d) drains at every 50m. straight length.
2.3	Road
	(a) reserve width.
	(b) finished R.L. (location ref. To Construction Drawing).
	(c) pavement line and width.
	Outfall structure (a) layout and I.L.'s
	(b) longitudinal section and for the whole of length of the connecting main drain c/w I.L. at 50m.
3.	DRAFT SUBMISSION
3.1	One (1) set print for checking and/or comments by the Engineer.
4.	FINAL SUBMISSION
4.1	Three (3) set print c/w P.T. No., Building/Unit No., Road Name and Scheme Name ("Taman") and Licenced Surveyor's cop and sign.

LEGEND :

- E.R.L=0.00m EXTERNAL ROAD LEVEL
- R.L.=+0.30m ROAD LEVEL
- F.F.L.=+0.45m FINISH FLOOR LEVEL
- PROPOSED 375mmØ PIPE CULVERT (1:250)
- PROP. 150mmØ UPVC PIPE WITH 50mm THK. CONCRETE SURROUND
- PROP. ANTI-CLIMB FENCE
- PROP. INTERNAL PERIMETER ROAD
- PROPOSED 600(W)X600(L)mm BRICKWORKS SUMP

NO. FAIL MAJLIS BANDARAYA IPOH:

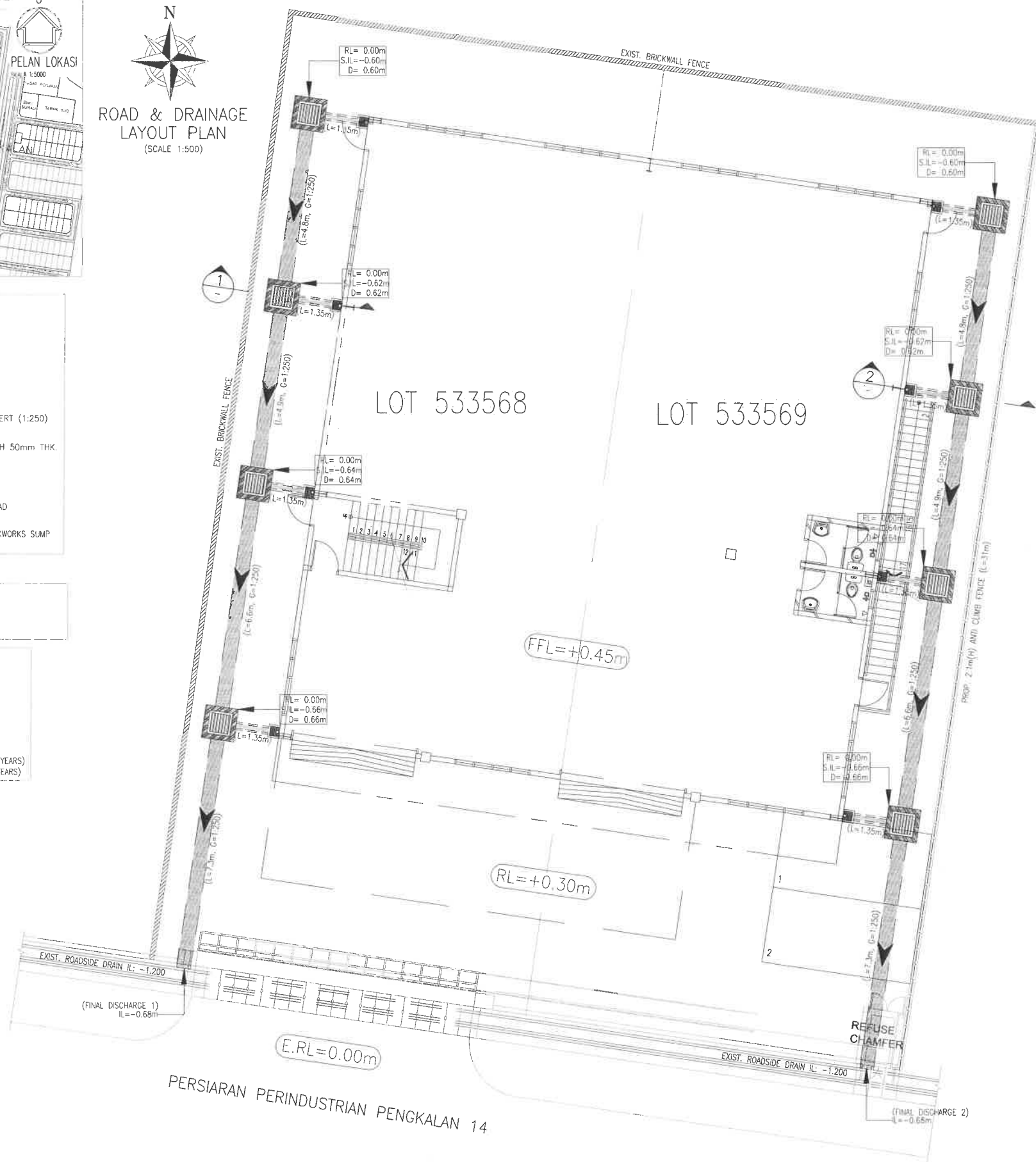
1. PELAN BANGUNAN
2. PELAN KERJA TANAH
3. PELAN LAMPU JALAN: -

DESIGN MANUAL = MSMA 2ND EDITION
 METHOD = SIMPLIFIED METHOD
 TYPE OF DETENTION SYSTEM: OSD BOX CULVERT
 A) PROP. -m(W) X -m(H) OSD BOX CULVERT
 LENGTH= -m VOLUME = -m³
 B.) CONVEYANCE DRAIN STORAGE (-mmØ PIPE CULVERT)
 LENGTH= -m VOLUME= -m³
 TOTAL SITE STORAGE VOLUME= - m³
 PERMISSIBLE SITE DISCHARGE (PSD) = - 1/s
 SITE STORAGE REQUIREMENT (SSR) = - m³
 PRIMARY OUTLET PIPE = - NO. OF -mmØ PIPE (ARI 2 YEARS)
 SECONDARY OUTLET = - NO. OF -mmØ PIPE (ARI 20 YEARS)

NOTA:-

1. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
2. (a) BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
3. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
4. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
5. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
6. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
7. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
8. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
9. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.
10. BUKAN PERMUKA BERSEKUTU MEMBINA PERKAMPUNAN KAWASAN PERINDUSTRIAN YANG BERKUALITI DAN BERKEMAMUKAN.

KEHENDAK-KEHENDAK DI ATAS AKAN DIPATUHI OLEH PERUNDING / PEMAJU



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DRAWINGS ARE TO BE USED IN CONSTRUCTION WITH ANY RELATED ARCHITECTURAL, MECHANICAL, ELECTRICAL, INSTRUMENTATION, CIVIL AND ETC.

WITHOUT COMPETENCE WORK ON SITE. CONTRACTOR SHALL CONDUCT A SITE SURVEY TO VERIFY THAT THE EXISTING DRAINAGE LEVELS ARE ACCURATELY MATCH THE DRAWINGS.

ANY DISCREPANCY SHALL BE NOTED TO THE ENGINEER IMMEDIATELY.

DATE	DESCRIPTION	REV. NO.
AMENDMENT		
<input type="checkbox"/> FOR CONSTRUCTION	<input type="checkbox"/> FOR SUBMISSION	
<input type="checkbox"/> FOR TENDER	<input type="checkbox"/> FOR PRELIMINARY	
<input type="checkbox"/> FOR CLIENT	<input type="checkbox"/> FOR DRAINAGE	
<input type="checkbox"/> FOR APPROVAL/PERMIT	<input type="checkbox"/> FOR APPROVAL/PERMIT	

PROJECT OWNER :

NAME: EN. CHAN YEE FAH
 IC: 570810-08-6059
 ADDRESS: NO.7 JALAN PENGKALAN PENGKALAN 18, PINGIR, PERAK DARUL RIDZUAN, IPOH, PERAK.

PROJECT TITLE :

CADANGAN MEMBINA SEBUAH KILANG 1 1/2 TINGKAT YANG MANGANDUNGI RUANG MEMPROSES MAKANAN DAN RUANG PEJABAT DI TINGKAT 1, DI ATAS LOT 533568 DAN LOT 533569, PERSIARAN PERINDUSTRIAN PENGKALAN 14, KAWASAN PERINDUSTRIAN PENGKALAN, LAHAT, DAERAH KINTA, MUKIM HULLU KINTA, IPOH, PERAK DARUL RIDZUAN UNTUK ENCIK KOK CHIN HUAT DAN PUAN TIOW AI HONG.

ROAD & DRAINAGE

DRAWING TITLE :

- LOCATION PLAN
- KEY PLAN
- ROAD & DRAINAGE SITE PLAN

CONSULTANT :

ISP CONSULTANT
 CIVIL & STRUCTURE CONSULTING ENGINEER
 No. 28A, HALA TASEK TIMOR 42,
 ANJUNG BERCHAMALITARA, 31400 IPOH,
 PERAK DARUL RIDZUAN.
 TEL. : 05-6362127 E-MAIL : info@ispconsult.com.my

ENGINEER'S SIGNATURE :

I certify that the design for the complete set of drawings follows the Urban Stormwater Management Manual For Malaysia (Manual Saliran Mesta Alam Malaysia) by the department of irrigation and drainage malaysia, 2000. I will full responsibility for the design and supervision of the works. If it is found the proposed drain is too small, the developer will have to enlarge the drain section accordingly so that there will not be any local flooding in this housing scheme.

(SIGNED) CHAN YEE FAH
 (SIGNED) CHAN YEE FAH, P.Eng., M.Eng., M.Eng., M.A.C.E.M., A.A.E.

DESIGNED BY: YS.CHOK SCALE: 1:75

DRAWN BY: ADILA

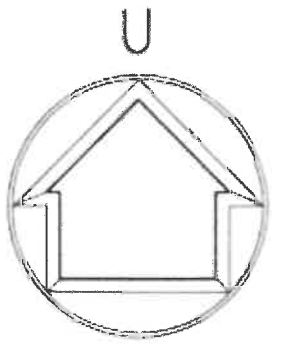
CHECKED BY: A. Vincent Chan

DATE: SEPTEMBER 2024

DRAWING No.:

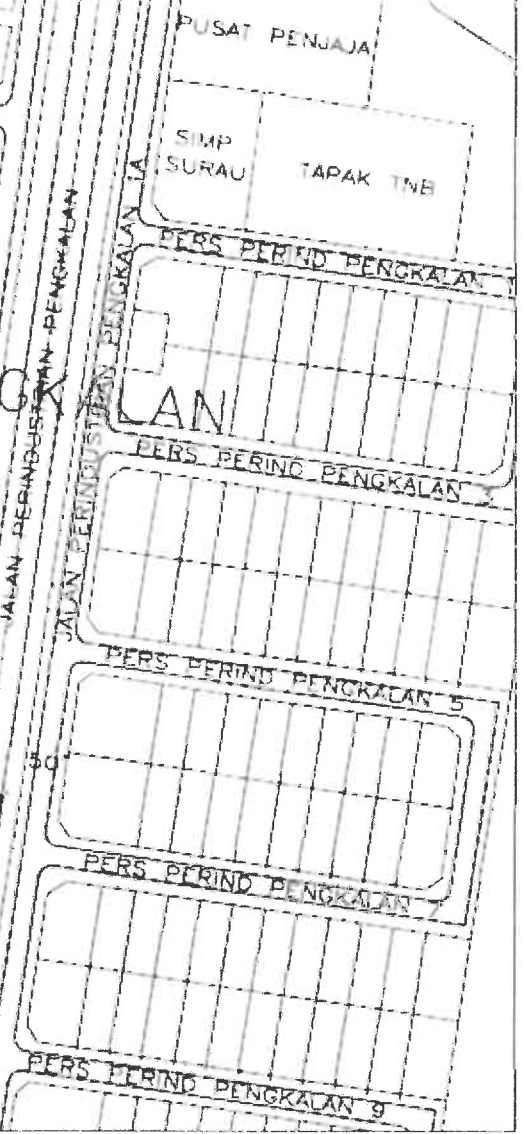
REV.:

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PELAN LOKASI

SKALA 1:5000



11090

32470

18294

TAPAK CADANGAN

57436

PUSAT PENJAJA

SIMP SURAU

TAPAK TNE

PERSIARAN PERINDUSTRIAN PENGKALAN 2

PERSIARAN PERINDUSTRIAN PENGKALAN 4

PERSIARAN PERINDUSTRIAN PENGKALAN 6

PERSIARAN PERINDUSTRIAN PENGKALAN 8

KAW. INDUSTRI PENGKALAN (PROMISTAR)

PERSIARAN PERINDUSTRIAN PENGKALAN 10

PERSIARAN PERINDUSTRIAN PENGKALAN 12

PERSIARAN PERINDUSTRIAN PENGKALAN 12

PERS PERIND PENGKALAN 1

PERS PERIND PENGKALAN 2

PERS PERIND PENGKALAN 3

PERS PERIND PENGKALAN 4

PERS PERIND PENGKALAN 5

PERS PERIND PENGKALAN 6

PERS PERIND PENGKALAN 7

PERS PERIND PENGKALAN 8

PERS PERIND PENGKALAN 9

JALAN PERINDUSTRIAN PENGKALAN

JALAN PERINDUSTRIAN PENGKALAN

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