

MUKIM : HULU CUKAI  
 DAERAH : KEMAMAN  
 NEGERI : TERENGGANU  
 SKALA : 1 : 3500  
 SYIT : 150-C



CATEGORY OF LOT FINAL DISCHARGE / CONNECTION

LEGEND	TYPE OF CATEGORY	NUMBER OF LOT
0	CATEGORY 0	32
1	CATEGORY 1	341
2	CATEGORY 2	414
3	CATEGORY 3	32
4	CATEGORY 4	30
5	CATEGORY 5	95

NOTE : 1) PLEASE REFER TO DRAWING NO. AMZA/22/69/SERI BANDI/SW/DET\_07  
 2) CATEGORY 0 MEANS THERE IS NO ANY BUILDING ON THE LOT.

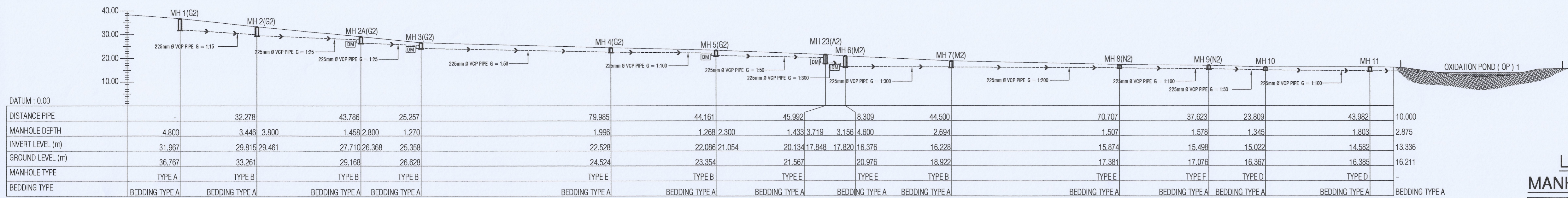
LEGEND :

- : 225mm Ø VCP (VTRIFIED CLAY PIPE) SEWER PIPE
- : 250mm Ø D.I (DUCTILE IRON) SEWER PIPE
- : 225mm Ø VCP/J.P (VTRIFIED CLAY JACKING PIPE) SEWER PIPE
- : MH : 1200mm Ø MANHOLE
- : JACKING PIT
- : RECEIVING PIT
- : BOREHOLE
- : NETWORK PUMP STATION
- GL : GROUND LEVEL
- IL : INVERT LEVEL
- D : DEPTH
- : DROP MANHOLE
- : OXIDATION POND

**RECEIVED**  
 02 SEP 2024  
 PUNCAK UTARA SDN. BHD.  
 (332897-4)

**CONSTRUCTION DRAWING**

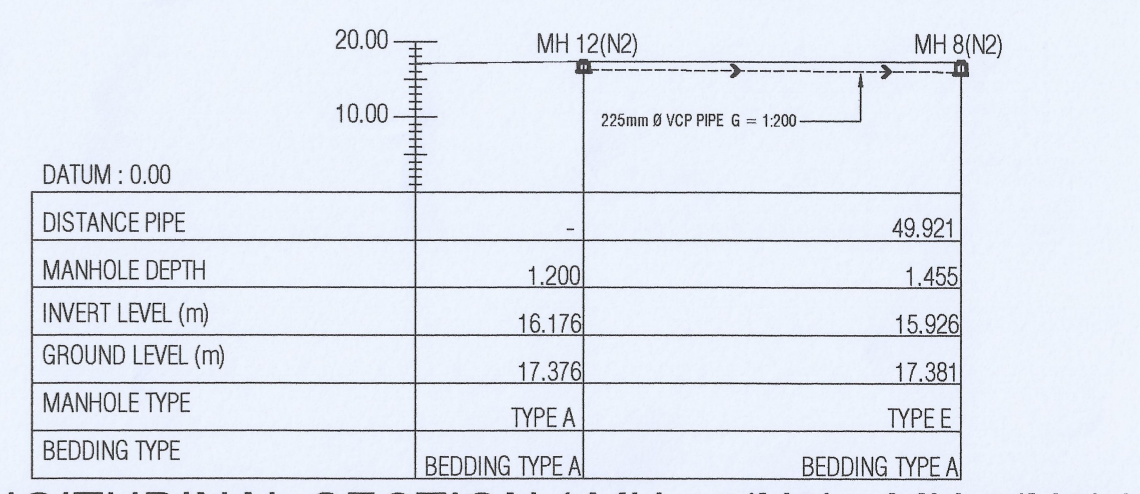
TARIKH	BUTIRAN	RUJUKAN	JURUKUR TANAH :	JURUTERA SIVIL & STRUKTUR :	PEMILIK :	DIREKA OLEH :	PROJEK :
			 AMZA CONSULT Civil & Structural Consulting Engineers	 AMZA CONSULT Civil & Structural Consulting Engineers	 KETENGGAH	AMREENSHAH	PROJEK MENAIKtarAF SISTEM KUMBAHAN DAN KERJA-KERJA BERKAITAN DI PERBANDARAN KETENGGAH JAYA, BUKIT BESI DAN SERI BANDI FASA III WILAYAH KETENGGAH, TERENGGANU DARUL IMAN. (BANDAR SERI BANDI)
		UKURAN 1 : 3200	JURUUKUR INTEGRASI M. AZIZ, TINGKAT 2, BLOK C, PERKEDAMAN LADANG TAMAN SRI PERDANA, BANDAR NEGARA MAHAROTA, 30000 KUALA TERENGGANU, TERENGGANU DARUL IMAN. Tel: 09-628 2002 Fax: 09-628 2001 E-mail: jph@amza.com	 Ir. ZUHAFILLY BIN AB. RAHMAN Bilik Pengeri Civil, Media P. Eng. P. Tech REG. BEM : C116582	 LEMBAGA KEMAJUAN TERENGGANU TENGAH KARUNG BERJUNGU NO. 3, 29000 BANGAR AL MUKTAFI BILAH SHAH, TERENGGANU DARUL IMAN. TEL: 09-8221011-105, 09-8221131-138	DILUKISKAN OLEH : KHAIRUL	
						DISEMAK OLEH : Ir. ZUHAFILLY	
						DILULUSKAN OLEH : Ir. ZUHAFILLY	
	PINDAAN						- OVERALL LAYOUT PLAN FOR CATEGORY OF LOT FINAL DISCHARGE / CONNECTION
							TARIKH : NOVEMBER 2023 BIL. LUKISAN : AMZA/22/69/SERI BANDI/SW/LP_02 RELEJAN : 04



LONGITUDINAL SECTION ( MH 1(G2) - OP1 )

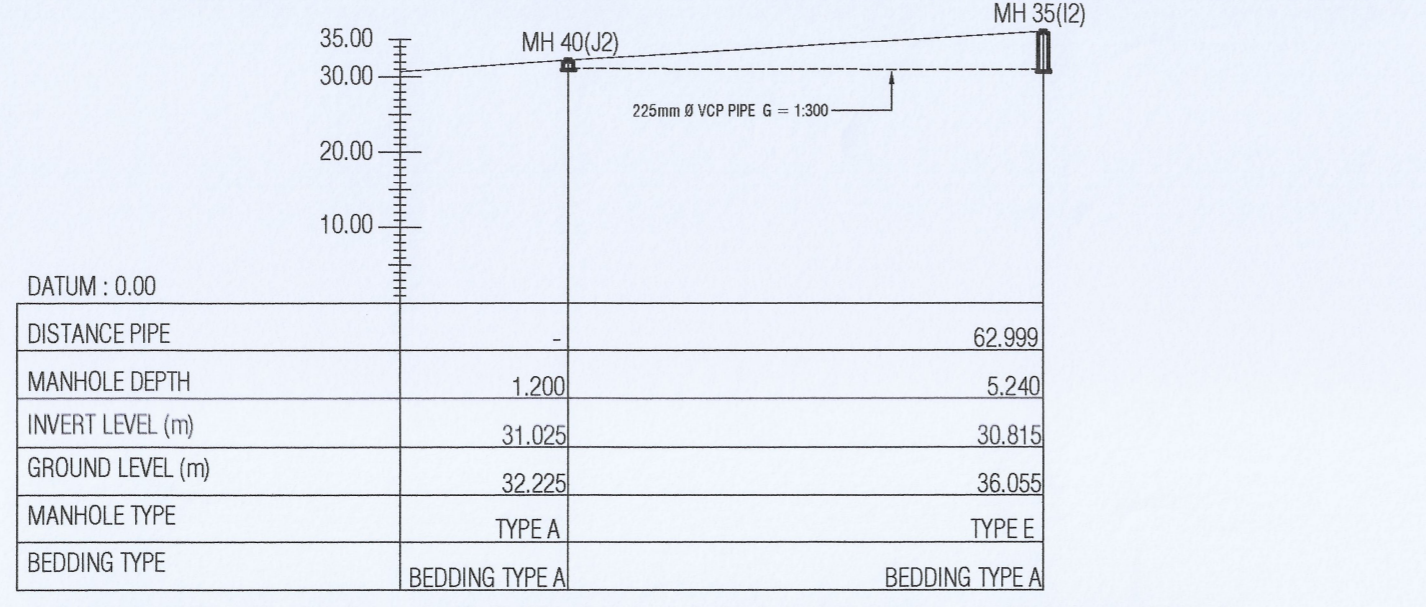
MANHOLE SCHEDULE ( MH 1(G2) - OP1 )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH1(G2)	36.767	31.967	4.800	A	-	225	-	
MH2(G2)	33.261	29.815/29.461	3.446/3.800	B	32.278	225	1:15	
MH2A(G2)	29.168	27.710/26.368	1.458/2.800	B	43.786	225	1:25	
MH3(G2)	26.628	25.358	1.270	B	25.257	225	1:25	
MH4(G2)	24.524	22.528	1.996	E	79.985	225	1:50	COLLECTOR
MH5(G2)	23.354	22.086/21.054	1.268/2.300	B	44.161	225	1:100	
MH23(A2)	21.567	20.134/17.848	1.433/3.719	E	45.992	225	1:50	COLLECTOR
MH6(M2)	20.976	17.820/16.376	3.156/4.600	E	8.309	225	1:300	COLLECTOR
MH7(M2)	18.922	16.228	2.694	B	44.500	225	1:300	
MH8(N2)	17.381	15.874	1.507	E	70.707	225	1:200	COLLECTOR
MH9(N2)	17.076	15.498	1.578	F	37.623	225	1:100	COLLECTOR
MH10	16.367	15.022	1.345	D	23.809	225	1:50	
MH11	16.385	14.582	1.803	D	43.982	225	1:100	
OP1	16.211	13.336	2.875	-	10.000	225	-	



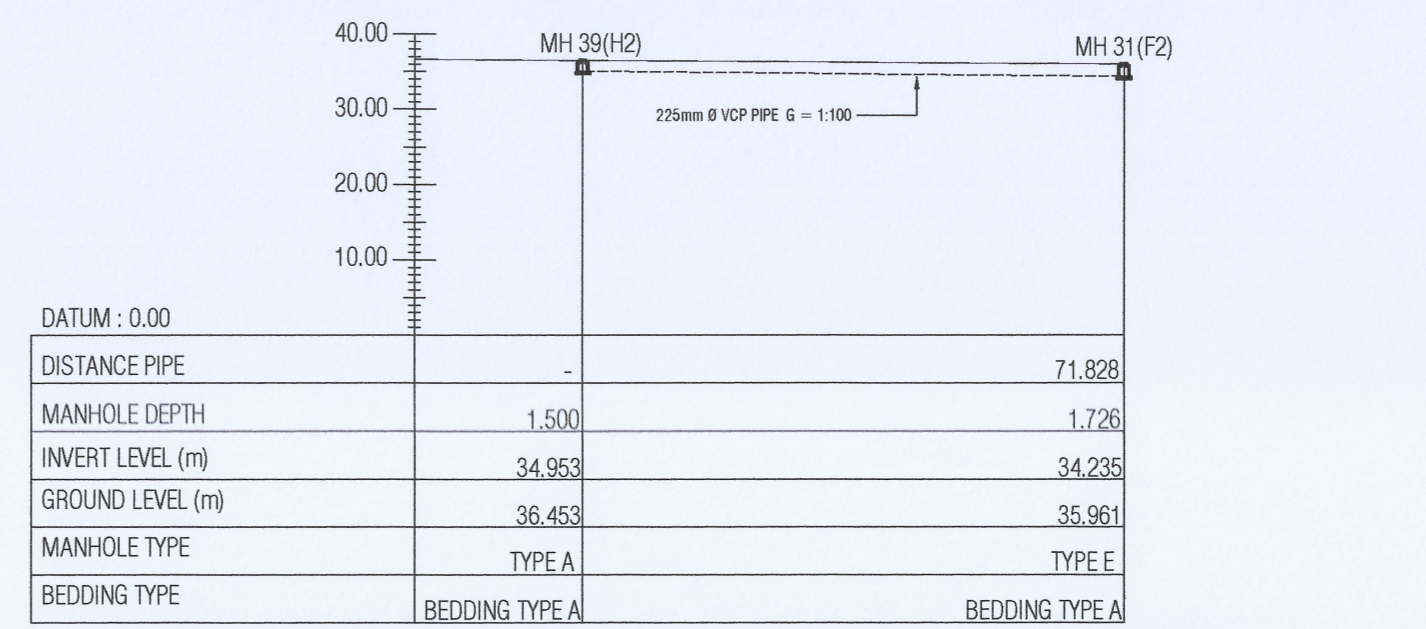
LONGITUDINAL SECTION ( MH 12(N2) - MH 8(N2) )  
MANHOLE SCHEDULE ( MH 12(N2) - MH 8(N2) )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH12(N2)	17.376	16.176	1.200	A	-	225	-	
MH8(N2)	17.381	15.926	1.455	E	49.921	225	1:200	COLLECTOR



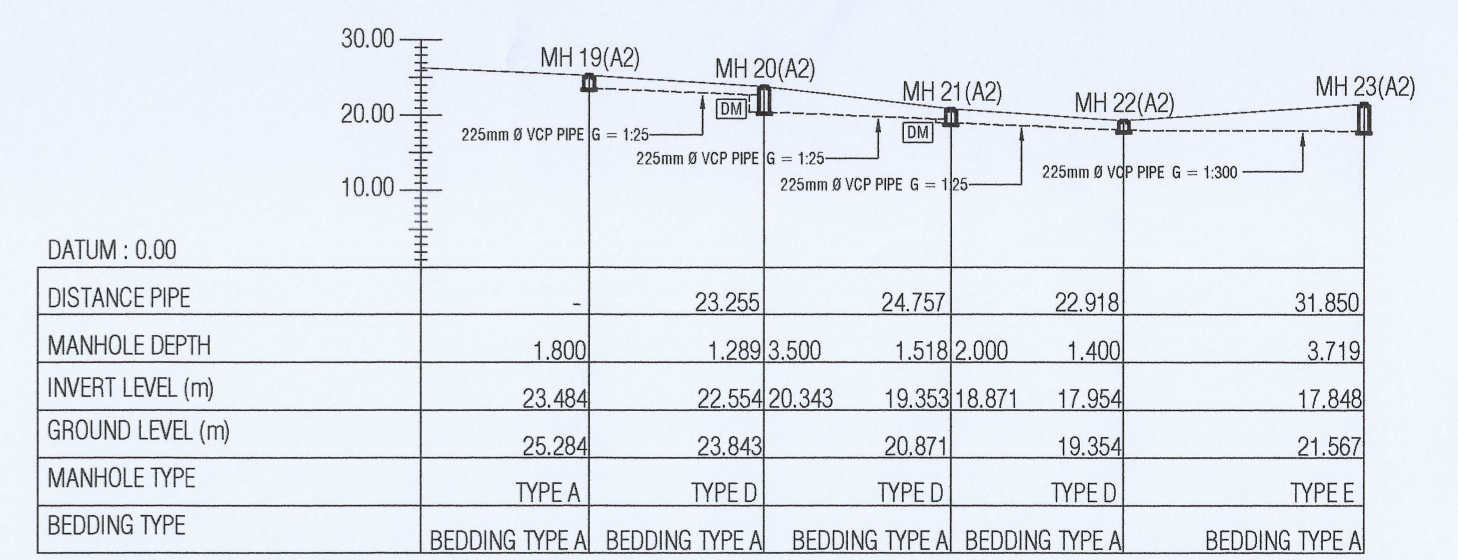
LONGITUDINAL SECTION ( MH 40(J2) - MH 35(I2) )  
MANHOLE SCHEDULE ( MH 40(J2) - MH 35(I2) )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH40(J2)	32.225	31.025	1.200	A	-	225	-	
MH35(I2)	36.055	30.815	5.240	E	62.999	225	1:300	COLLECTOR



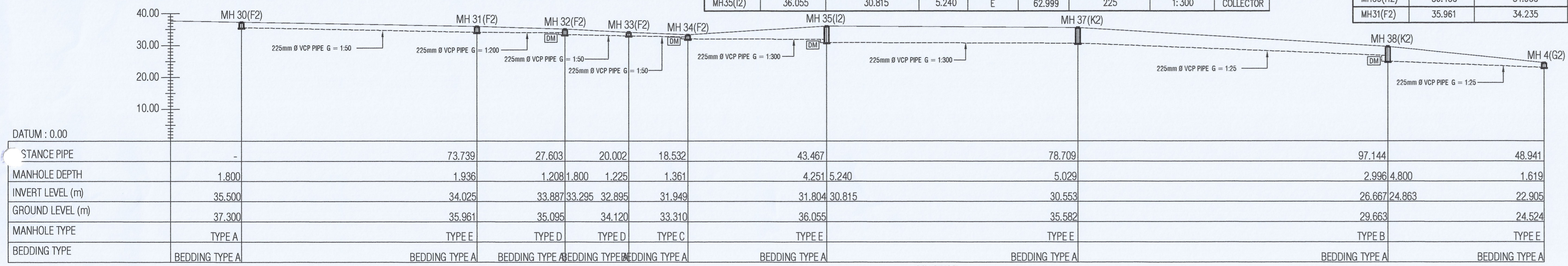
LONGITUDINAL SECTION ( MH 39(H2) - MH 31(F2) )  
MANHOLE SCHEDULE ( MH 39(H2) - MH 31(F2) )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH39(H2)	36.453	34.953	1.500	A	-	225	-	
MH31(F2)	35.961	34.235	1.726	E	71.828	225	1:100	COLLECTOR



LONGITUDINAL SECTION ( MH 19(A2) - MH 23(A2) )  
MANHOLE SCHEDULE ( MH 19(A2) - MH 23(A2) )

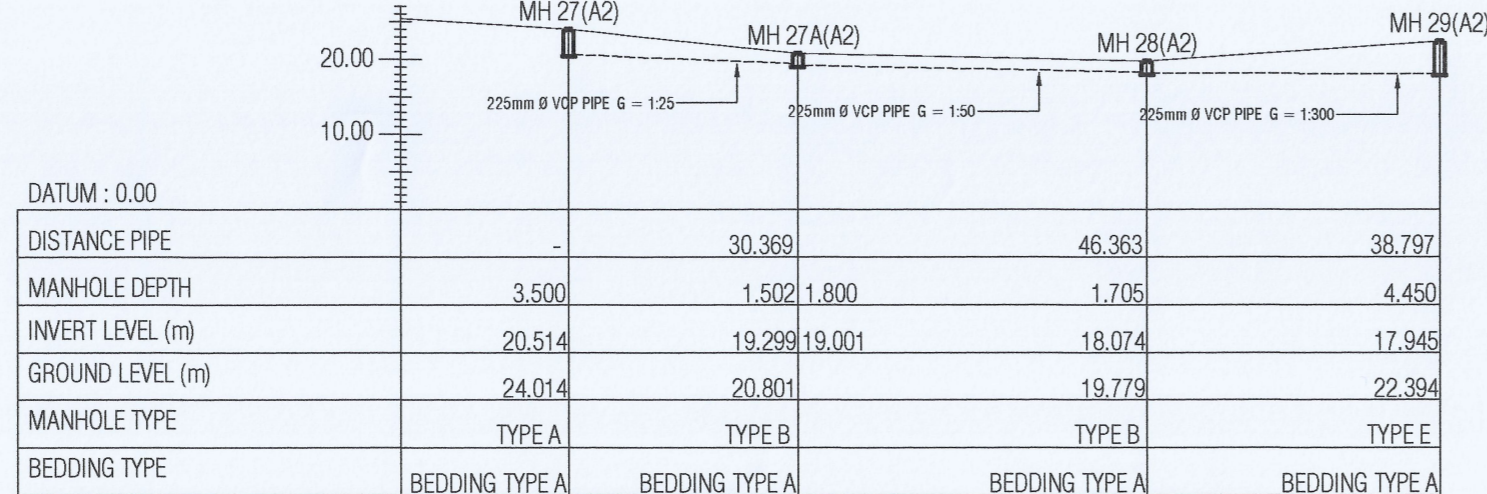
MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH19(A2)	25.284	23.484	1.800	A	-	225	-	
MH20(A2)	23.843	22.554/20.343	1.289/3.500	D	23.255	225	1:25	
MH21(A2)	20.871	19.353/18.871	1.518/2.000	D	24.757	225	1:25	
MH22(A2)	19.354	17.954	1.400	D	22.918	225	1:25	
MH23(A2)	21.567	17.848	3.719	E	31.850	225	1:300	COLLECTOR



LONGITUDINAL SECTION ( MH 30(F2) - MH 4(G2) )

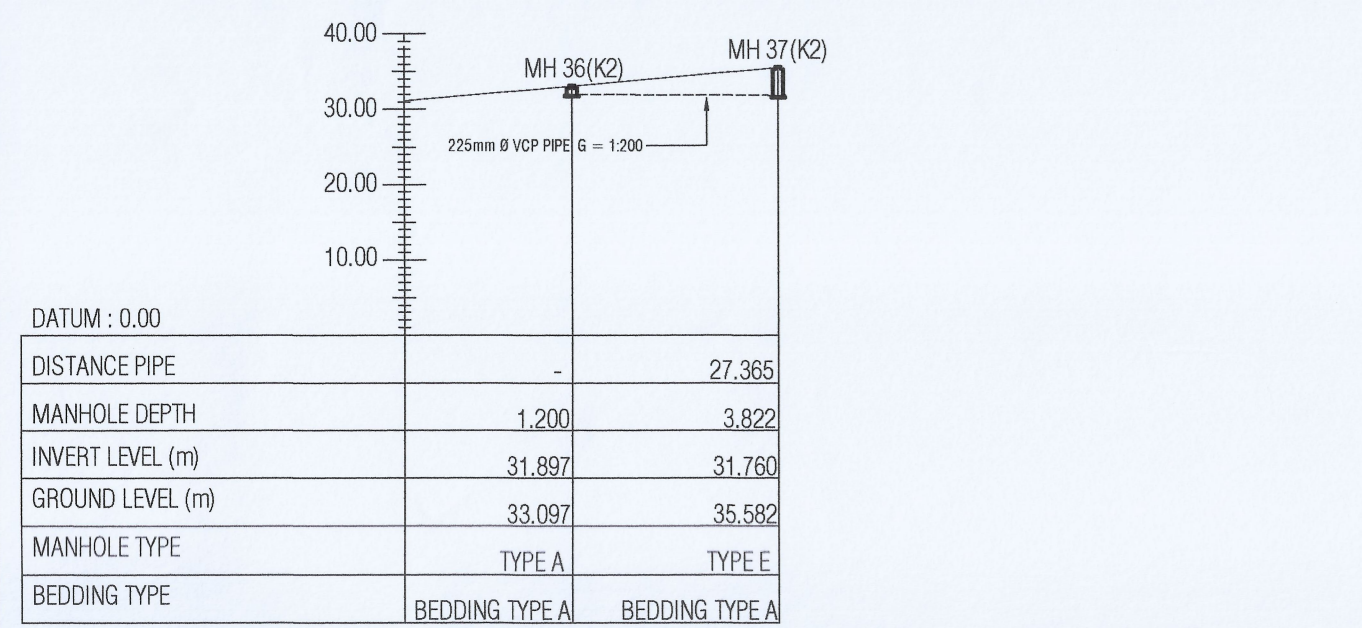
MANHOLE SCHEDULE ( MH 30(F2) - MH 4(G2) )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH30(F2)	37.300	35.500	1.800	A	-	225	-	
MH31(F2)	35.961	34.025	1.936	E	73.739	225	1:50	COLLECTOR
MH32(F2)	35.095	33.887/33.295	1.208/1.800	D	27.603	225	1:200	
MH33(F2)	34.120	32.895	1.225	D	22.002	225	1:50	
MH34(F2)	33.310	31.948	1.361	C	18.532	225	1:50	
MH35(I2)	36.055	31.804/30.815	4.251/5.240	E	43.467	225	1:300	COLLECTOR
MH37(K2)	35.582	30.553	5.029	E	78.709	225	1:300	COLLECTOR
MH38(K2)	29.663	26.667/24.863	2.996/4.800	B	97.144	225	1:25	
MH4(G2)	24.524	22.905	1.619	E	48.941	225	1:25	COLLECTOR



LONGITUDINAL SECTION ( MH 27(A2) - MH 29(A2) )  
MANHOLE SCHEDULE ( MH 27(A2) - MH 29(A2) )

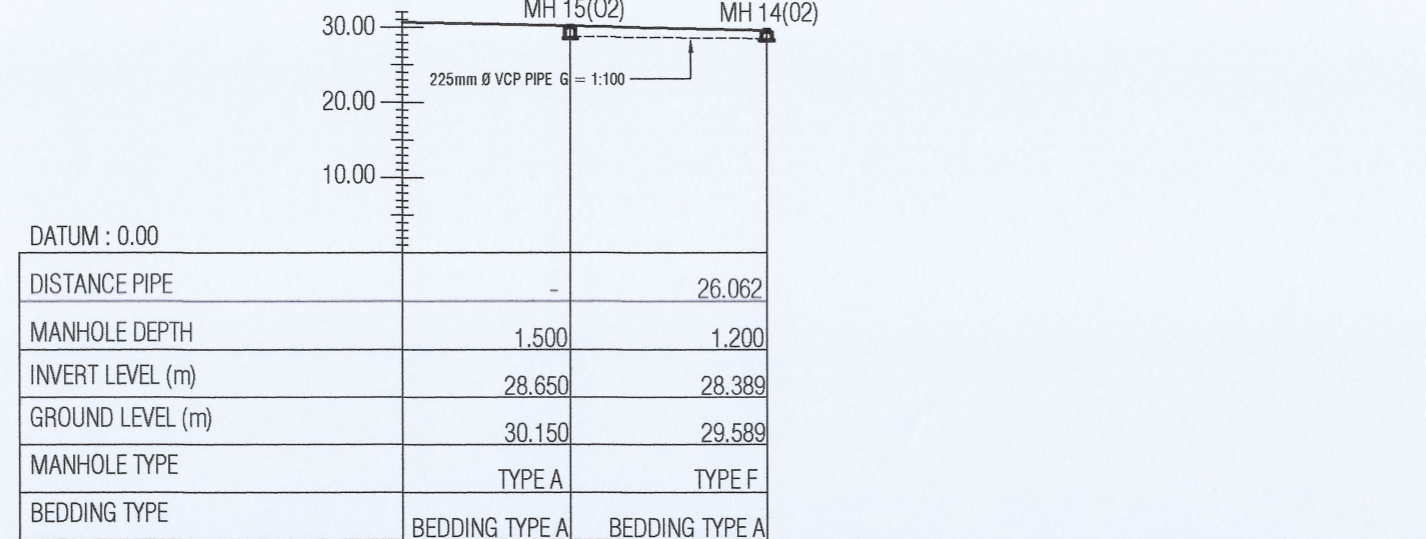
MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH27(A2)	24.014	20.514	3.500	A	-	225	-	
MH28(A2)	20.801	19.299/19.001	1.502/1.800	B	30.369	225	1:25	
MH29(A2)	19.779	18.074	1.705	B	46.363	225	1:50	
MH29(A2)	22.394	17.945	4.450	E	38.797	225	1:300	COLLECTOR



LONGITUDINAL SECTION ( MH 36(K2) - MH 37(K2) )

MANHOLE SCHEDULE ( MH 36(K2) - MH 37(K2) )

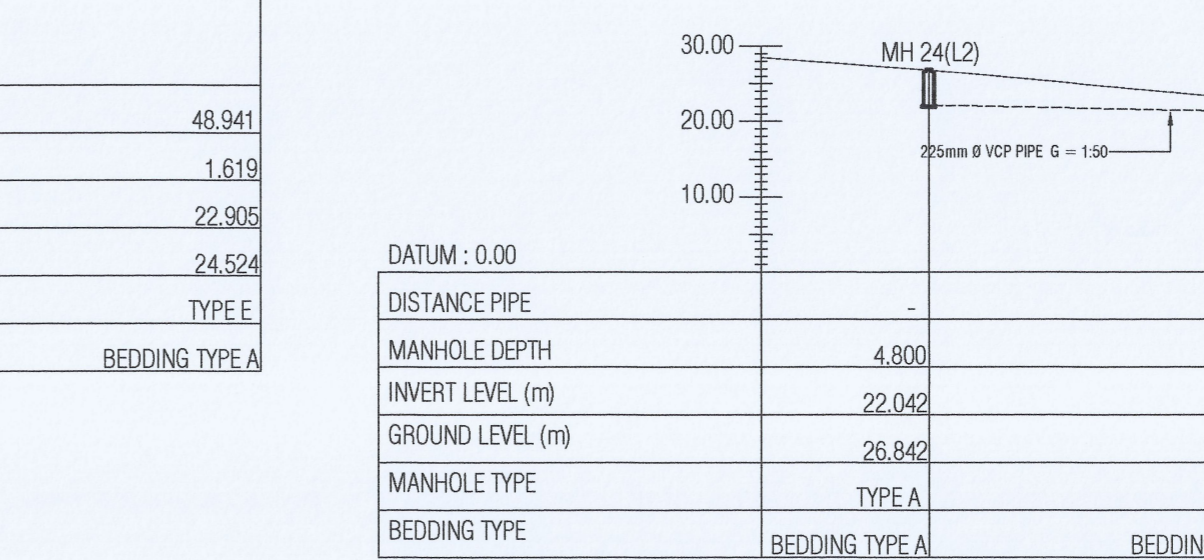
MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH36(K2)	33.097	31.897	1.200	A	-	225	-	
MH37(K2)	35.582	31.760	3.822	E	27.365	225	1:200	COLLECTOR



LONGITUDINAL SECTION ( MH 15(O2) - MH 14(O2) )

MANHOLE SCHEDULE ( MH 15(O2) - MH 14(O2) )

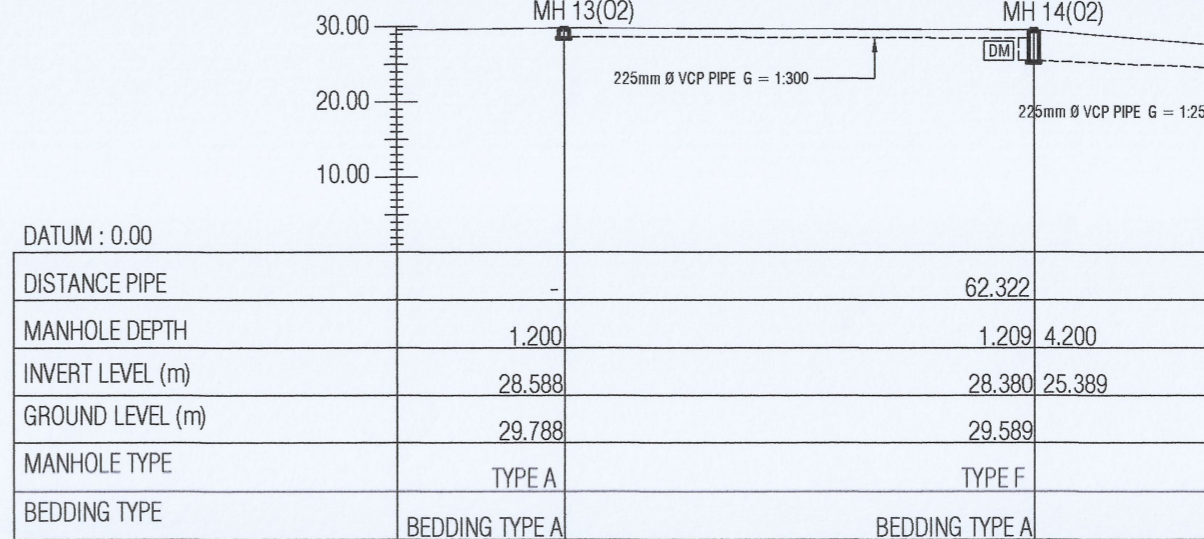
MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH15(O2)	30.150	28.650	1.500	A	-	225	-	
MH14(O2)	29.589	28.389	1.200	F	26.062	225	1:100	COLLECTOR



LONGITUDINAL SECTION ( MH 24(L2) - MH 6(M2) )

MANHOLE SCHEDULE ( MH 24(L2) - MH 6(M2) )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH24(L2)	26.842	22.042	4.800	A	-	225	-	
MH24A(L2)	22.371	21.087/18.871	1.284/3.500	B	47.775	225	1:50	
MH25(L2)	18.587	17.003	1.584	D	46.710	225	1:25	
MH26(L2)	18.298	16.942	1.356	C	18.447	225	1:300	
MH26A(L2)	19.032	16.873	2.159	B	20.581	225	1:300	
MH29(L2)	22.394	16.763	5.631	E	33.126	225	1:300	COLLECTOR
MH6(M2)	20.976	16.517	4.459	E	73.889	225	1:300	COLLECTOR



LONGITUDINAL SECTION ( MH 13(O2) - MH 9(N2) )

MANHOLE SCHEDULE ( MH 13(O2) - MH 9(N2) )

MANHOLE TYPE	GROUND LEVEL (m)	MANHOLE INVERT LEVEL (m)	DEPTH (m)	MANHOLE TYPE	LENGTH (m)	DIAMETER PIPE (mm)	GRADIENT	REMARKS
MH13(O2)	29.788	28.588	1.200	A	-	225	-	
MH14(O2)	29.589	28.389/25.389	1.209/4.200	F	62.322	225	1:300	COLLECTOR
MH16(N2)	25.633	23.505/22.133	2.128/3.500	B	47.103	225	1:25	
MH17(N2)	22.466	20.863/18.266	1.603/4.200	B	31.758	225	1:25	
MH18(N2)	18.396	16.696	1.700	B	39.249	225	1:25	
MH9(N2)	17.076	15.871	1.205	F	82.470	225	1:100	COLLECTOR

TARIKH: BUTIRAN: RUJUKAN:

UKURAN: 1:1000

PINDAAN:

JURUKUR TANAH:

JURUKUR INTEGRASI  
A-123, TINGKAT ATAS, LORONG IM/11,  
TAMAN SRI PERDANA, BANDAR INCIERA MANKOTA,  
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Tel: 09-5780390, Fax: 09-5780390  
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TOK PERAK, JALAN BUKIT TAJAL ARIDIN,  
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LEMBAGA PERMAJUAN TERENGGANU TENGAH  
KARUNG BERSEKUTUHO, 3,  
23409 BANDAR AL MUKAFI BILAH SHAH,  
TERENGGANU DARUL IMAN,  
TEL: 09-6221101-108, 09-6221131-138

DIREKA OLEH: AMRENSHAH

DILUKISKAN OLEH: KHAIRUL

DISEMAK OLEH: Ir. ZUHAFILLY

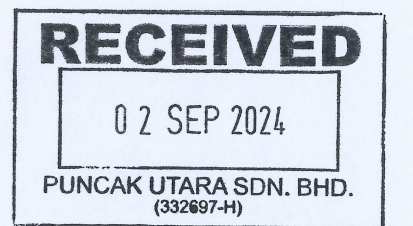
DILULUSKAN OLEH: Ir. ZUHAFILLY

PROJEK: PROJEK MENAIKTARAF SISTEM KUMBUHAN DAN KERJA-KERJA BERKAITAN DI PERBANDARAN KETENGAH JAYA, BUKIT BESI DAN SERI BANDI FASA III WILAYAH KETENGAH, TERENGGANU DARUL IMAN. (BANDAR SERI BANDI)

TARIKH: NOVEMBER 2023

BIL. LUKISAN: AMZA/22/09/SERI BANDI/SR/13\_01

RELAIAN: 06



CONSTRUCTION DRAWING

