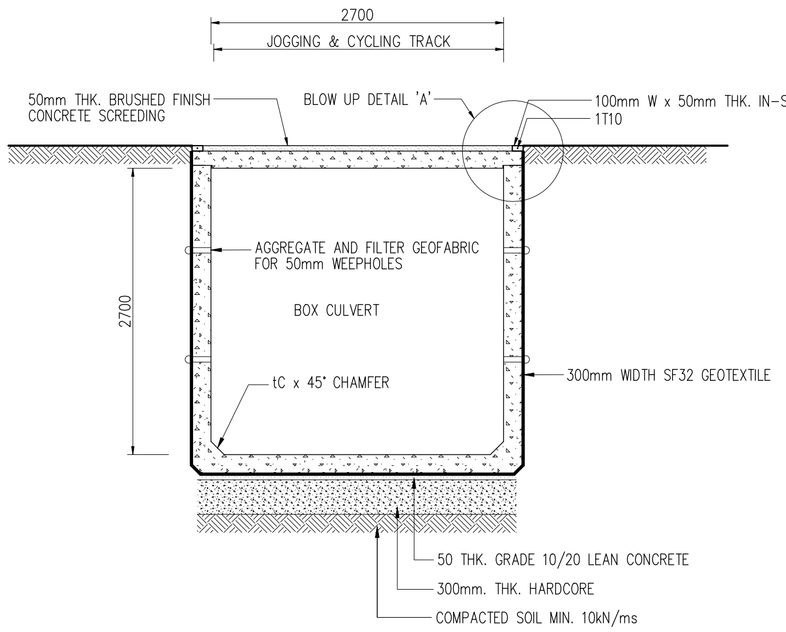
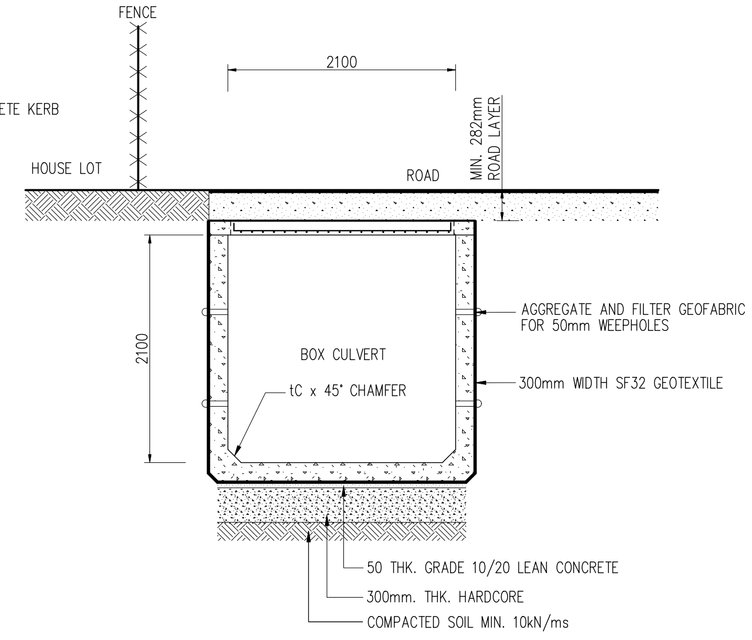


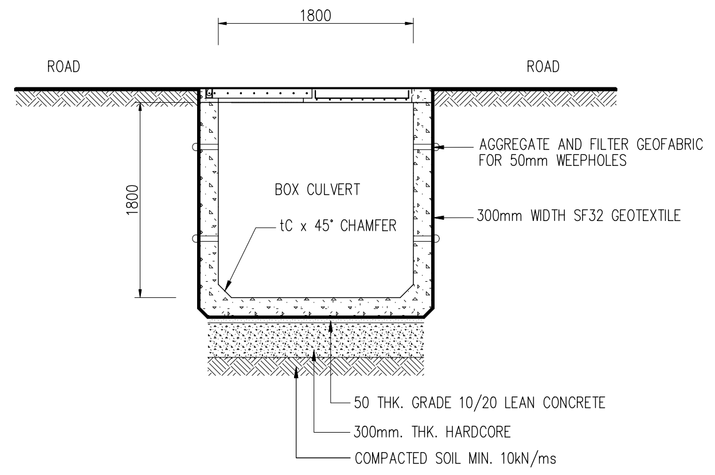
TYPICAL CROSS SECTION OF BOX CULVERT AT CYCLING & JOGGING TRACK

SCALE 1:40



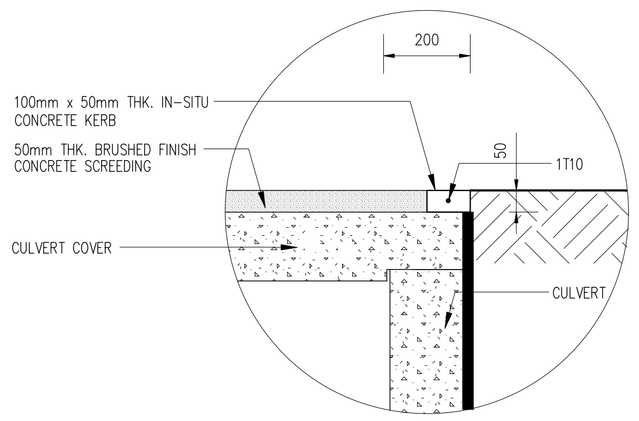
TYPICAL CROSS SECTION OF BOX CULVERT AT HOUSE LOT AREA

SCALE 1:40



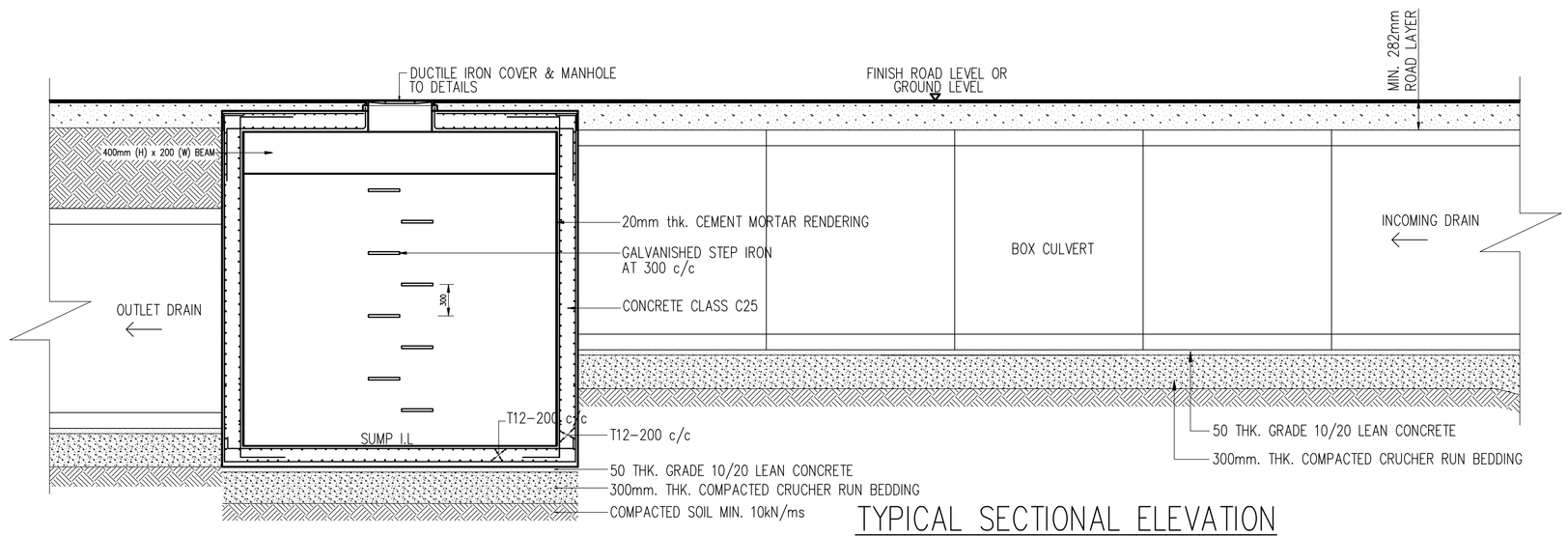
TYPICAL CROSS SECTION OF BOX CULVERT AT OPEN/ROAD AREA

SCALE 1:40



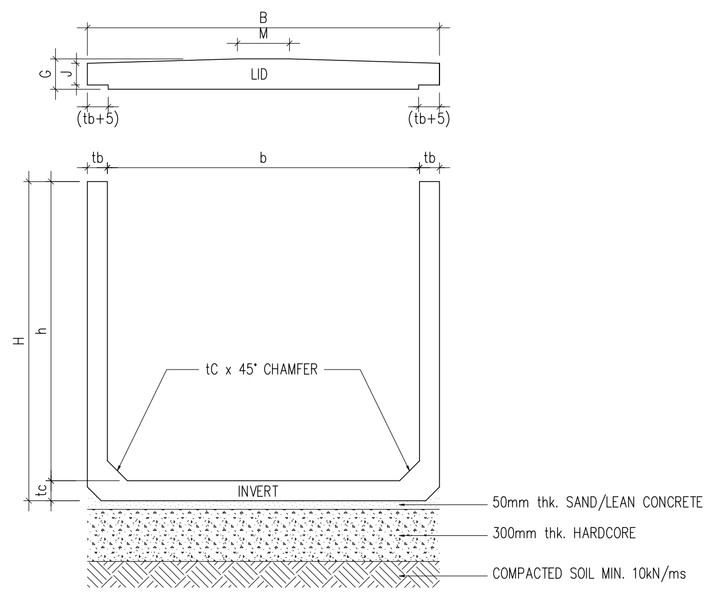
DETAIL 'A'

SCALE 1:10



TYPICAL SECTIONAL ELEVATION BOX CULVERT & SUMP UNDER ROAD

SCALE 1:40



TYPICAL SIZE BOX CULVERT WITHOUT DRY WEATHER FLOW

Sump Mark	Drain Size (mm)	Ground Level (m)	Down Sump Invert Level(m)	Drop(m)	Sump Invert Level (m)	Depth (m)	Depth Below Invert (m)	Total Depth, TD (m)
Network 1								
1	W=2100, L=2100	46.474	44.466	0.108	44.466	2.008	0.000	2.008
2	W=2100, L=2100	46.033	44.333	0.461	43.872	2.161	0.000	2.161
3	W=2100, L=2100	45.300	43.450	0.000	-	1.850	0.000	1.850
4	W=2400, L=2400	45.532	43.202	0.000	-	2.330	0.000	2.330
5	W=2400, L=2400	45.235	43.124	0.000	-	2.111	0.000	2.111
6	W=2400, L=2400	45.134	42.902	0.087	42.814	2.320	0.000	2.320
7	W=2400, L=2400	44.897	42.597	0.181	42.416	2.481	0.000	2.481
8	W=2400, L=2400	44.697	42.397	0.090	42.307	2.390	0.000	2.390
9	W=3000,L=3000,	44.567	42.267	0.600	41.667	2.900	0.000	2.900
10	W=3000,L=3000,	44.745	41.557	0.000	-	3.188	0.000	3.188
11	W=3000,L=3000,	44.529	41.534	0.000	-	2.995	0.000	2.995
12	W=3000,L=3000,	44.417	41.397	1.586	39.811	4.606	0.000	4.606
13	W=3000,L=3000,	42.638	39.738	0.000	-	2.900	0.000	2.900

SUMP SCHEDULE

Drain Mark	Up Sump	Down Sump	Length(m)	Drain Type	Drain Size (mm)	Gradient	Ground Level (m)	Down Sump Invert Level(m)	Drop(m)	Sump Invert Level (m)
Network 1										
-	1	-	-	-	-	-	46.474	44.466	0.108	44.466
1	1	2	39.902	BOXC 1,800	FB=50,W=1800,D=1500,	0.00330	46.033	44.333	0.461	43.872
2	2	3	126.729	BOXC 1,800	FB=50,W=1800,D=1650,	0.00330	45.300	43.450	0.000	-
3	3	4	74.296	BOXC 2,100	FB=50,W=2100,D=1650,	0.00330	45.532	43.202	0.000	-
4	4	5	23.638	BOXC 2,100	FB=50,W=2100,D=1650,	0.00330	45.235	43.124	0.000	-
5	5	6	66.611	BOXC 2,100	FB=50,W=2100,D=1800,	0.00330	45.134	42.902	0.087	42.814
6	6	7	65.148	BOXC 2,100	FB=50,W=2100,D=2100,	0.00330	44.897	42.597	0.181	42.416
7	7	8	5.745	BOXC 2,100	FB=50,W=2100,D=2100,	0.00330	44.697	42.397	0.090	42.307
8	8	9	12.145	BOXC 2,100	FB=50,W=2100,D=2100,	0.00330	44.567	42.267	0.600	41.667
9	9	10	54.897	BOXC 2,700	FB=50,W=2700,D=2700,	0.00200	44.745	41.557	0.000	-
10	10	11	11.414	BOXC 2,700	FB=50,W=2700,D=2700,	0.00200	44.529	41.534	0.000	-
11	11	12	68.912	BOXC 2,700	FB=50,W=2700,D=2700,	0.00200	44.417	41.397	1.586	39.811
12	12	13	36.479	BOXC 2,700	FB=50,W=2700,D=2700,	0.00200	42.638	39.738	0.000	-

DRAIN SCHEDULE

TARIKH	BUTIRAN	RUJUKAN
PINDAAN		

UKURAN : AS SHOWN

JURUTERA PERUNDING :
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Consulting Engineers
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Tel : 603-4143 6452 Fax : 603-4143 6462
project@juruteras.my

DIREKA OLEH :	ALIP	DI LUKIS OLEH :	OWN
DISEMAK OLEH :	MHR	DILULUSKAN OLEH :	MHR

Saya dengan ini mengesahkan kerja-kerja terdapat di dalam lukisan ini adalah hasil rekabentuk saya dan lanya mematuhi kehendak piawaian kejuruteraan. Saya bertanggungjawab sepenuhnya ke atas keseluruhan rekabentuk dan prestasi projek ini.

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PENGARAH
JAB. PERANCANGAN INFRASTRUKTUR
b.p DATUK BANDAR KUALA LUMPUR

PEMILIK : DATUK BANDAR KUALA LUMPUR

TAJUK PROJEK : CADANGAN MEMPERTINGKATKAN SISTEM PERPARITAN DAN PARIT INDUK DI TAMAN SERI DELIMA, KUALA LUMPUR UNTUK TETUAN DEWAN BANDARAYA KUALA LUMPUR (DBKL)

TAJUK LUKISAN : -TYPICAL DETAILS OF BOX CULVERT, - SUMP & DRAIN SCHEDULE

TARIKH :	BIL. LUKISAN :		
MAY 2015	M046/C/DR/D/03	TD	-