

SAN PHASE 1A MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
105	7+168.01	87.70	SE=84.47 NW=84.67 SW=84.31	1,200 mm dia	
107	7+069.70	87.72	NE=84.11 W=84.08	1,200 mm dia	
109	7+041.74	87.56	E=84.02 W=83.99	1,200 mm dia	
111	7+015.20	87.78	E=83.94 NW=83.88	1,200 mm dia	
113	4+459.78	87.95	SW=84.88 NW=84.85 SE=84.82	1,200 mm dia	
121	4+363.67	88.15	W=85.10 NE=85.07	1,200 mm dia	
123	4+340.79	88.31	NW=85.18 E=85.15	1,200 mm dia	
125	4+328.35	88.27	NW=85.28 SE=85.25	1,200 mm dia	
127	4+272.76	88.55	NW=85.42 SE=85.39	1,200 mm dia	

STM PHASE 1A MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
104	7+165.54	87.62	NW=81.98 SE=81.68 SW=83.60 NE=83.90	2,438 mm x 2,438 mm	
106	7+068.19	87.66	NE=83.84 W=83.85	1,200 mm dia	
108	7+042.69	87.51	E=83.92 W=84.11	1,200 mm dia	
110	7+013.66	87.75	E=84.24	1,200 mm dia	
112	4+457.31	87.92	SW=82.73 SE=82.20 NW=83.44	2,438 mm x 2,438 mm	
120	4+365.97	88.06	W=82.97 NE=82.96	2,400 mm dia	
122	4+342.11	88.23	NW=83.05 E=83.04	2,400 mm dia	
124	4+327.22	88.20	NW=83.14 SE=83.13	2,400 mm dia	
126	4+274.26	88.46	NW=83.28 SE=83.27	2,400 mm dia	

ROADWAY CATCHBASIN TABLE (PHASE 1A)					
CB No.	STATION	T/G ELEVATION	INVERT	ICD DIA.	SIZE
1*	7+021	87.82	86.32	127mm	600 x 600 CB
2**	7+047.99	87.60	86.10	83mm	600 x 600 CB
3**	7+048.08	87.60	86.10	102mm	600 x 600 CB
4**	7+117.08	87.53	86.03	94mm	600 x 600 CB
5**	7+117.08	87.53	86.03	102mm	600 x 600 CB
7*	7+203.11	87.82	86.32	--mm	600 x 600 CB
8	6+238.28	87.44	85.94	102mm	600 x 600 CB
9	6+238.19	87.43	85.93	83mm	600 x 600 CB
12	4+421.50	87.63	86.13	127mm	600 x 600 CB
13	4+421.50	87.78	86.28	108mm	600 x 600 CB
14	4+310	88.01	86.51	83mm	600 x 600 CB
15	4+310	88.02	86.52	102mm	600 x 600 CB
16	4+235	88.17	86.67	83mm	600 x 600 CB
17	4+235	88.18	86.68	102mm	600 x 600 CB

* SOLID COVER
** CURB INLET

REAR YARD CATCHBASIN TABLE (PHASE 1A)			
RYCB No.	T/G ELEVATION	INVERT	ICD DIA
RYCB 2	87.55	86.01	-
RYCB 3	87.65	86.18	-
RYCB 4	87.63	86.12	-

SAN TRUNK PHASE 1A MANHOLE TABLE				
MH ID	STATION	T/G ELEV	INVERT	SIZE
1A	7+002.18	87.85	NE=83.60	1,200 mm dia
201	7+071.25	87.78	W=83.73 NE=83.76	1,200 mm dia
203	7+041.94	87.62	W=83.67 E=83.70	1,200 mm dia
205	7+014.20	87.84	SW=83.61 E=83.64 SE=83.87	1,200 mm dia

SAN PHASE 3A MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
153	2+135.10	90.00	W=86.84 SE=86.81	1,200 mm dia	
155	2+121.59	90.09	SW=86.94 E=86.91	1,200 mm dia	
157	2+018.97	89.95	NE=87.30	1,200 mm dia	

STM PHASE 3A MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
152	2+135.20	90.00	W=85.59 SE=85.56	1,200 mm dia	
154	2+121.49	90.09	SW=85.68 E=85.65	1,200 mm dia	
156	2+020.46	89.94	NE=86.03	1,200 mm dia	

ROADWAY CATCHBASIN TABLE (PHASE 3A)					
CB No.	STATION	T/G ELEVATION	INVERT	ICD DIA.	SIZE
53	2+079.97	89.66	88.16	127mm	600 x 600 CB
54	2+079.97	89.71	88.21	108mm	600 x 600 CB

SAN PHASE 1B MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
129	4+199.79	88.74	NE=85.63 NW=85.50 SE=85.57	1,200 mm dia	
137	4+137.16	88.70	N=85.76 SE=85.73	1,200 mm dia	
139	4+122.72	88.84	NE=85.86 S=85.83	1,200 mm dia	
141	3+088.10	89.30	NW=86.15 SW=86.09 SE=86.19	1,200 mm dia	
145	1+165.98	89.50	SW=86.36 NW=86.35 SE=86.30	1,200 mm dia	
147	1+102.82	89.32	SW=85.87 NE=86.52	1,200 mm dia	

STM PHASE 1B MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
128	4+198.28	88.63	NE=84.37 SE=83.47 NW=83.48	2,400 mm dia	
136	4+136.62	88.65	N=83.95 SE=83.64	2,400 mm dia	
138	4+123.76	88.77	NE=83.73 S=83.72	2,400 mm dia	
140	3+085.57	89.25	NW=84.16 SE=85.11 SW=84.01	2,400 mm dia	
144	1+163.48	89.45	NW=84.49 SE=84.43 SW=85.03 NE=85.10	2,400 mm dia	
146	1+084.79	89.12	SW=85.39 NE=85.31	1,200 mm dia	
148	1+006.25	88.49	NE=85.66	1,200 mm dia	

ROADWAY CATCHBASIN TABLE (PHASE 1B)					
CB No.	STATION	T/G ELEVATION	INVERT	ICD DIA.	SIZE
18	4+170	88.28	86.78	94mm	600 x 600 CB
19	4+170	88.28	86.78	127mm	600 x 600 CB
20	4+069	88.62	87.12	127mm	600 x 600 CB
21	4+069	88.77	87.27	108mm	600 x 600 CB
23	3+052	88.92	87.42	127mm	600 x 600 CB
24	3+052	88.92	87.42	94mm	600 x 600 CB
25	1+126.45	89.38	87.88	108mm	600 x 600 CB
26**	1+126.45	89.50	88.00	108mm	600 x 600 CB
27***	1+035.61	88.64	87.14	178mm	600 x 600 CB
28***	1+035.62	88.72	87.22	178mm	600 x 600 CB
29*	1+201.84	89.56	88.14	127mm	1,200 mm dia CBMH

* SOLID COVER
** CURB INLET
*** CURB INLET DUAL CATCHBASIN

REAR YARD CATCHBASIN TABLE (PHASE 1B)			
RYCB No.	T/G ELEVATION	INVERT	ICD DIA
RYCB 6	88.33	85.72	-
RYCB 7	88.76	86.49	-
RYCB 8	88.46	86.97	-
RYCB 11	89.12	87.35	-
TEE 5	88.02	86.09	-
TEE 11	88.05	86.68	-
TEE 13	88.29	87.00	-
TEE 15	88.65	87.38	-
TEE 23	88.71	87.40	-

SAN PHASE 3B MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
101	8+062.94	87.47	NE=84.70	1,200 mm dia	
103	8+054.47	87.59	NW=84.63 SW=84.66	1,200 mm dia	

STM PHASE 3B MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
100	8+064.19	87.54	NE=81.63 SE=81.57	3,000 mm dia	
102	8+054.51	87.58	NW=81.64 SW=81.64	3,000 mm dia	

ROADWAY CATCHBASIN TABLE (PHASE 3B)					
CB No.	STATION	T/G ELEVATION	INVERT	ICD DIA.	SIZE
6*	8+077.65	87.62	86.12	152mm	600 x 600 CB
55	8+030	87.27	85.77	127mm	600 x 600 CB
56	8+030	87.27	85.77	127mm	600 x 600 CB
57****	8+069.57	87.26	85.76	108mm	600 x 600 CB

* SOLID COVER
**** DUAL CATCHBASIN

SAN PHASE 2A MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
151	2+197.38	89.82	SW=86.61 NW=86.60 SE=86.55	1,200 mm dia	
159	9+463.92	90.10	W=86.92 NE=86.89	1,200 mm dia	
161	9+449.79	90.18	NW=87.02 E=86.99	1,200 mm dia	
163	9+340.58	90.31	N=87.31 SE=87.28	1,200 mm dia	
165	9+282.76	90.32	S=87.49	1,200 mm dia	

STM PHASE 2A MANHOLE TABLE					
MH ID	STATION	T/G ELEV	INVERT	SIZE	
150	2+194.87	89.80	NW=85.35 SE=84.68 SW=84.63	3,000 mm dia	
158	9+465.14	90.07	W=85.22 NE=85.21	1,800 mm dia	
160	9+448.56	90.16	NW=85.30 E=85.29	1,800 mm dia	
162	9+341.85	90.30	N=85.66 SE=85.65	1,800 mm dia	
164	9+281.41	90.28	N=86.35 S=85.90	1,800 mm dia	
166	9+252.70	90.42	NW=86.48 S=86.47	1,200 mm dia	
168	9+151.55	90.39	NW=87.03 SE=86.80	1,200 mm dia	
170	9+057.63	91.05	SE=87.36	1,200 mm dia	

ROADWAY CATCHBASIN TABLE (PHASE 2A)					
CB No.	STATION	T/G ELEVATION	INVERT	ICD DIA.	SIZE
30	2+235.53	89.07	87.57	127mm	600 x 600 CB
31**	2+235.52	89.07	87.65	102mm	600 x 600 CB
32	2+172.35	89.47	87.97	108mm	600 x 600 CB
33	2+172.35	89.47	87.97	83mm	600 x 600 CB
34	9+535.97	89.51	88.01	127mm	600 x 600 CB
35	9+535.97	89.51	88.01	127mm	600 x 600 CB
36	9+396.24	89.79	88.29	83mm	600 x 600 CB
37	9+395.97	89.79	88.29	127mm	600 x 600 CB
38*	9+387.20	89.86	88.36	83mm	600 x 600 CB
39*	9+351.61	90.13	88.77	83mm	600 x 600 CB
40	9+294.96	90.23	88.73	102mm	600 x 600 CB
41	9+294.96	90.13	88.63	127mm	600 x 600 CB
42	9+139.87	90.30	88.80	94mm	600 x 600 CB
43	9+140	90.29	88.79	102mm	600 x 600 CB
52	9+382.52	89.81	88.31	83mm	600 x 600 CB

* SOLID COVER
** CURB INLET

CRITICAL PIPE CROSSING TABLE			PROPOSED SEPARATION	REQUIRED SEPARATION
①	250mmØ STM INV=83.91	200mmØ SAN OBV=84.67	STM-SAN=0.76m	STM-SAN=0.30m
②	250mmØ STM OBV=84.18		STM-WM=0.89m	STM-WM=0.50m
③		525mmØ SAN OBV=84.38	SAN-WM=1.10m	SAN-WM=0.50m
④		300mmØ SAN OBV=84.98	SAN-WM=0.50m	SAN-WM=0.50m
⑤	1350mmØ STM OBV=83.33		STM-WM=1.79m	STM-WM=0.50m
⑥	1350mmØ STM OBV=83.33	525mmØ SAN INV=83.85	STM-SAN=0.52m	STM-SAN=0.30m
⑦	1350mmØ STM OBV=83.33	300mmØ SAN INV=84.30	STM-SAN=0.97m	STM-SAN=0.30m
⑧		525mmØ SAN OBV=84.38	SAN-SAN=0.30m	SAN-SAN=0.30m
⑨	525mmØ STM OBV=83.97		STM-SAN=0.91m	STM-SAN=0.30m
⑩		200mmØ SAN OBV=85.05	SAN-WM=0.50m	SAN-WM=0.50m
⑪	525mmØ STM OBV=83.97		STM-WM=1.39m	STM-WM=0.50m
⑫	450mmØ STM OBV=84.83	300mmØ SAN INV=85.60	STM-SAN=0.77m	STM-SAN=0.30m
⑬	450mmØ STM INV=84.38		STM-WM=1.73m	STM-WM=0.50m
⑭		200mmØ SAN OBV=85.83	SAN-WM=0.34m	SAN-WM=0.25m
⑮	250mmØ STM OBV=85.40		STM-WM=1.23m	STM-WM=0.50m
⑯		200mmØ SAN OBV=86.41	SAN-WM=0.30m	STM-WM=0.25m
⑰	250mmØ STM OBV=85.16	200mmØ SAN INV=86.15	STM-SAN=0.99m	STM-SAN=0.30m
⑱	250mmØ STM OBV=85.16		STM-WM=1.43m	STM-WM=0.50m
⑲		200mmØ SAN OBV=86.32	SAN-WM=0.30m	SAN-WM=0.25m
⑳	1200mmØ STM OBV=85.55		STM-WM=1.31m	STM-WM=0.50m
㉑		300mmØ SAN OBV=86.60	SAN-WM=0.30m	SAN-WM=0.25m
㉒	250mmØ STM OBV=85.54		STM-WM=1.37m	STM-WM=0.50m
㉓	250mmØ STM OBV=85.56	250mmØ SAN INV=86.36	STM-SAN=0.80m	STM-SAN=0.30m
㉔	1200mmØ STM OBV=85.61	250mmØ SAN INV=86.36	STM-SAN=0.75m	STM-SAN=0.30m
㉕			STM-WM=1.38m	STM-WM=0.50m
㉖		250mmØ SAN OBV=86.79	SAN-WM=0.45m	SAN-WM=0.25m
㉗	1200mmØ STM OBV=85.87	250mmØ SAN INV=86.61	STM-SAN=0.74m	STM-SAN=0.30m
㉘		250mmØ SAN OBV=87.43	SAN-WM=0.130m	SAN-WM=0.25m
㉙	1050mmØ STM OBV=86.56		STM-WM=0.88m	STM-WM=0.50m
㉚	250mmØ STM OBV=85.38	300mmØ SAN INV=86.09	STM-SAN=0.68m	STM-SAN=0.30m