

(1) Newly Constructed Manholes

Sewer Line No.	Road Name	Manhole No.	Type of Manhole	Type of Manhole Cover	Main Sewer								Connection Pipe											
					Invert		Diameter		Thickness		Degree		Invert		Diameter		Thickness		Degree					
					I1 (m)	D1 (mm)	t1 (mm)	q1	I2 (m)	D2 (mm)	t2 (mm)	q2	I3 (m)	D3 (mm)	t3 (mm)	q3	I4 (m)	D4 (mm)	t4 (mm)	q4				
1	Dien Bien Phu	M1	2-C-2	A						1.740	1000	90	180	1.950	800	80	90	1.950	800	80	270			
		M2	2-A	A	1.710	1000	90	0	1.710	1000	90	180												
		M3	2-A	A	1.680	1000	90	0	1.680	1000	90	180												
		M4	2-A	A	1.650	1000	90	0	1.650	1000	90	180												
		M5	2-C-2	A	1.610	1000	90	0	1.610	1000	90	180	1.600	800	80	90								
		M6	2-A	A	1.580	1000	90	0	1.580	1000	90	180												
		M7	2-A	A	1.550	1000	90	0	1.550	1000	90	180												
		M8	2-A	A	1.520	1000	90	0	1.520	1000	90	180												
		M9	2-A	A	1.490	1000	90	0	1.490	1000	90	180												
		M10	2-A	A	1.460	1000	90	0	1.460	1000	90	180												
		M11	2-A	A	1.430	1000	90	0	1.430	1000	90	180												
		M12	2-D-2	A	1.410	1000	90	0	1.410	1000	90	180	1.500	800	80	90	1.500	800	80	270				
		M13	2-A	A	1.370	1000	90	0	1.370	1000	90	180												
		M14	2-A	A	1.340	1000	90	0	1.340	1000	90	180												
		M15	2-C-2	A	1.300	1000	90	0	1.300	1000	90	180	1.200	800	80	90								
		M16	2-C-2	A	1.260	1000	90	0	1.260	1000	90	180					1.400	800	80	270				
		M17	2-C-2	A	1.230	1000	90	0	1.230	1000	90	180					1.400	800	80	270				
		M18	2-A	A	1.190	1000	90	0	1.190	1000	90	180												
		M19	2-A	A	1.160	1000	90	0	1.160	1000	90	180												
		M20	2-A	A	1.140	1000	90	0	1.140	1000	90	180												
		M21	2-A	A	1.110	1000	90	0	1.110	1000	90	180												
		M22	2-C-2	A	1.080	1000	90	0	1.080	1000	90	180					1.600	800	80	270				
		M23	2-C-1	A	1.040	1000	90	0	1.040	1000	90	180	1.230	600	80	90	1.230	600	80	270				
		M24	3-D-2	A	1.020	1000	90	0	1.020	1000	90	180	1.200	1200	120	90	1.200	1200	120	270				
2	Nguyen Bleu	M1	2-A	A						-1.300	1000	90	0											
		M2	2-A	A	-1.361	1000	90	0	-1.361	1000	90	0												
		M3	2-D-2	A	-1.444	1000	90	0	-1.444	1000	90	0	0.000	800	80	90	0.000	800	80	270				
		M4	2-D-4*	A	-1.509	1000	90	0	-2.240	2 * 800	80	0	-0.100	1000	90	90	-0.100	1000	90	270				
		M5	3-D-4*	A	-2.257	2 * 800	80	0	-2.257	1500	120	0	-0.340	800	80	90	-0.340	800	80	270				
		M6	3-D-1	A	-2.269	1500	120	0	-2.269	1500	120	0	0.050	400	50	90	0.050	400	50	270				
		M7	3-D-1	A	-2.282	1500	120	0	-2.282	1500	120	0	0.050	400	50	90	0.050	400	50	270				
		M8	3-D-1	A	-2.301	1500	120	0	-2.301	1500	120	0	0.050	400	50	90	0.050	400	50	270				
		M9	3-D-1	A	-2.318	1500	120	0	-2.318	1500	120	0	0.000	400	50	90	0.000	400	50	270				
		M10	3-D-1	A	-2.340	1500	120	0	-2.340	1500	120	0	0.000	400	50	90	0.000	400	50	270				
		M11	3-D-1	A	-2.350	1500	120	0	-2.350	1500	120	0	0.000	400	50	90	0.000	400	50	270				
		M12	3-D-1	A	-2.368	1500	120	0	-2.368	1500	120	0	0.000	400	50	90	0.000	400	50	270				
		M13	3-A	A	-2.396	1500	120	0	-2.396	1500	120	0												
		M14	3-D-2	A	-2.415	1500	120	0	-2.415	1500	120	0	-0.100	600	80	120	-0.500	1000	90	270				
		M15	3-C-1	A	-2.433	1500	120	0	-2.433	1500	120	0	0.300	400	50	270								
		M16	3-D-1	A	-2.464	1500	120	0	-2.464	1500	120	0	0.000	400	50	90	0.000	400	50	270				
		M17	3-D-1	A	-2.487	1500	120	0	-2.487	1500	120	0	-0.100	600	80	60	0.000	400	50	270				
		M18	3-A	A	-2.517	1500	120	0	-2.517	1500	120	0												
		M19	3-D-1	A	-2.534	1500	120	0	-2.534	1500	120	0	0.300	600	80	90	0.300	600	80	270				
		4	Le Hong Phong	M1	3-A	A						0.796	1500	120	180									
				M2	3-C-2	A	0.790	1500	120	0	0.790	1500	120	180	0.900	1000	90	90						
				M3	3-A	A	0.760	1500	120	0	0.760	1500	120	180										
				M4	3-A	A	0.720	1500	120	0	0.720	1500	120	180										
				M5	3-C-2	A	0.690	1500	120	0	0.690	1500	120	180	0.700	1000	90	90						
M6	3-C-2			A	0.650	1500	120	0	0.650	1500	120	180	0.700	1000	90	90								
M7	3-A			A	0.620	1500	120	0	0.620	1500	120	180												
M8	3-A			A	0.590	1500	120	0	0.590	1500	120	180												
M9	3-D-3			A	0.550	1500	120	0	0.550	1500	120	180	1.000	1200	120	90	1.000	1200	120	270				
M10	4-C-2*			A	0.510	1500	120	0	0.510	2000	200	220	1.030	1000	90	90								
5	Su Van Hanh	M1	2-C-2	A						2.000	1000	90	180	2.300	400	50	90	1.900	800	80	270			
		M2	2-D-1	A	1.960	1000	90	0	1.960	1000	90	180	2.400	400	50	90	2.400	400	50	270				
		M3	2-D-1	A	1.920	1000	90	0	1.920	1000	90	180	2.500	400	50	90	2.500	400	50	270				
		M4	2-D-1	A	1.890	1000	90	0	1.890	1000	90	180	2.400	400	50	90	2.400	400	50	270				
		M5	2-D-1	A	1.850	1000	90	0	1.850	1000	90	180	2.400	400	50	90	2.400	400	50	270				
		M6	2-D-1	A	1.810	1000	90	0	1.810	1000	90	180	2.500	400	50	90	2.500	400	50	270				
		M7	3-D-1	A	1.770	1000	90	0	1.770	1500	120	180	2.350	600	80	90	2.350	600	80	270				
		M8	3-D-1	A	1.230	1500	120	0	1.230	1500	120	180	2.750	600	80	90	2.750	600	80	270				
		M9	3-D-1	A	1.210	1500	120	0	1.210	1500	120	180	2.800	400	50	90	2.800	400	50	270				
		M10	3-D-1	A	1.170	1500	120	0	1.170	1500	120	180	2.800	400	50	90	2.800	400	50	270				
		M11	3-D-1	A	1.140	1500	120	0	1.140	1500	120	180	2.900	400	50	90	2.900	400	50	270				
		M12	3-D-2	A	1.090	1500	120	0	1.090	1500	120	180	1.900	1000	90	90	1.900	1000	90	270				
		M13	3-D-1	A	1.050	1500	120	0	1.050	1500	120	180	2.900	400	50	90	2.900	400	50	270				
		M14	3-D-1	A	1.010	1500	120	0	1.010	1500	120	180	2.900	400	50	90	2.900	400	50	270				
		M15	3-D-1	A	0.970	1500	120	0	0.970															