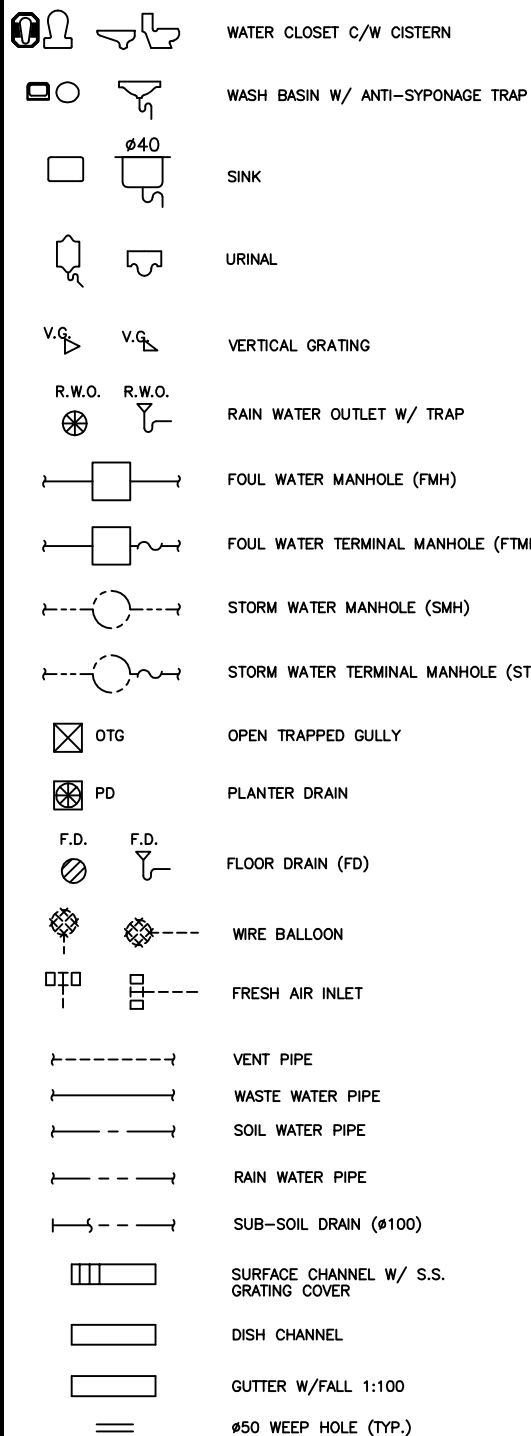


LEGEND



ABBREVIATION

S.M.H.	STORM WATER MANHOLE	T TO B	TOP TO BOTTOM
F.M.H.	FOUL WATER MANHOLE	U/G	UNDER GROUND
C.L.	COVER LEVEL	H/L	HIGH LEVEL
I.L.	INVERT LEVEL	L/L	LOW LEVEL
D.T.I.L.	DISCONNECTING TRAP INVERT LEVEL	M/L	MIDDLE LEVEL
S.P.	SOIL PIPE	C.I.	CAST IRON
S&W.P.	SOIL & WASTE PIPE	G.I.	GALVANIZED IRON
W.P.	WASTE PIPE	G.S.	GALVANIZED STEEL
V.P.	VENT PIPE	UPVC	UNPLASTICISED POLYVINYL CHLORIDE
R.W.P.	RAIN WATER PIPE	(W)	WIDTH
F.A.I.	FRESH AIR INLET	(D)	DEPTH
C.E.	CLEANING EYE	(H)	HEIGHT
R.G.	ROAD GULLY	(L)	LENGTH
F/A	FROM ABOVE	C/W	COMPLETE WITH
F/B	FROM BELOW	W/	WITH
T/A	TO ABOVE	F/	FALL
T/B	TO BELOW	C/C	CENTRE TO CENTRE
T/G	TO GROUND	A.F.F.L.	ABOVE FINISHED FLOOR LEVEL
U.C.	SURFACE CHANNEL		
S.C.	STEP CHANNEL		
P.D.	PLANTER DRAIN		

GENERAL NOTES

- COMPLETE STORM, SOIL, WASTE SYSTEM & DRAINAGE SYSTEM SHALL BE CARRIED-OUT BY REGISTERED P&D SUB-CONTRACTOR.
- ALL NOTES APPEARING ON THESE DRAWINGS SHALL BE READ AND INTERPRETED IN CONJUNCTION WITH EACH OTHER AND THE SPECIFICATIONS.
- THE P&D INSTALLATION CARRIED-OUT AND ALL MATERIALS SUPPLIED SHALL BE IN FULL ACCORDANCE WITH THE B.S. STANDARD, REGULATIONS AND REQUIREMENTS OF ALL RELEVANT AUTHORITIES JURISDICTION.
- EVERY SUB-SOIL DRAIN PIPE SHALL BE WRAPPED WITH FILTER PAPER, LAID TO FALL OF MIN. 1:100, UNLESS OTHERWISE STATED.
- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
- FALL OF SURFACE CHANNEL NOT LESS THAN 1:100.
- PIPE FLEXIBLE/EXPANSION JOINTS WHETHER OR NOT SHOWN ON DRAWINGS SHALL BE PROVIDED FOR ANY PIPES ACROSS BUILDING EXPANSION JOINTS. PLEASE REFER TO ARCHITECTURAL/STRUCTURAL DRAWINGS FOR LOCATION OF BUILDING EXPANSION JOINTS. TYTON JOIN SHALL BE USED FOR ALL UNDERGROUND PIPEWORK UNLESS OTHERWISE SPECIFIED.
- ACCESSIBLE CLEANING EYE TO BE PROVIDED AT EVERY CHANGES IN DIRECTION OF FLOW OR JUNCTION TO MAIN STACK.
- EVERY DRAIN TO BE LAID TO A MINIMUM FALL OF NOT LESS THAN THAT SPECIFIED IN BUILDING REGULATION CAP.123 MAIN FALL OR DRAINS :-

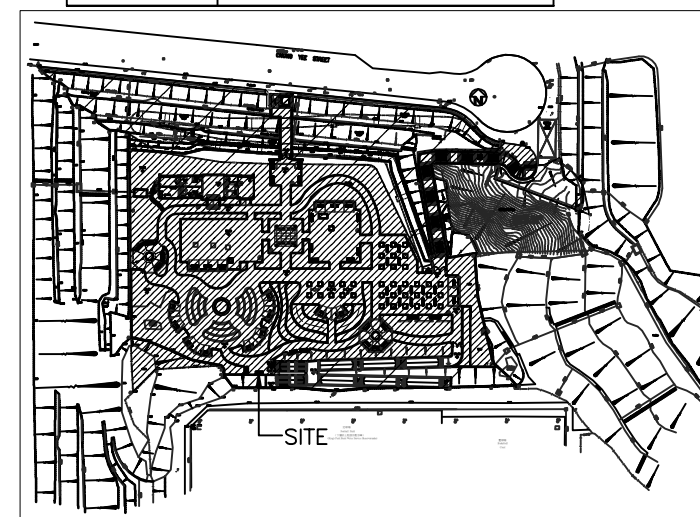
DIA. OF PIPE	FALL
100 & BELOW	1:40
150	1:70
225 & 250	1:100
300 AND ABOVE	1:150
- NO PIPEWORK TO BE EMBEDDED IN STRUCTURAL ELEMENT
- PIPES LAID BENEATH ROADS OR BUILDING SHALL BE SET IN CONCRETE HAUNCHING BENDS, GULLIES, ETC. AND THEY SHALL BE ACCURATELY BEDDED ON AND SURROUND BY GRADE-A CONCRETE AT LEAST 150mm THICK.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE GOVERNMENT'S EXISTING DRAINAGE AND RECTIFY OF NECESSARY TO SUIT THE NEW INSTALLATION.
- VENT PIPES FOR SOIL & WASTE SYSTEM AND RAINWATER SYSTEM SHALL BE CONNECTED SEPARATELY.
- ALL MANHOLE COVERS SHALL BE OF CAST IRON DOUBLE SEALED TYPE.
- THE BUILDER WILL PROVIDE ACCESS DOOR/PANELS FOR PIPE DUCTS & FALSE CEILING FOR INSPECTION AND MAINTENANCE OF THE PIPE. THIS SUB-CONTRACTOR SHALL CO-ORDINATE WITH THE BUILDER ON THESE PROVISIONS.
- UNLESS OTHERWISE STATED, ALL DRAINAGE PIPES SHALL RUN INSIDE FALSE CEILINGS & PIPE DUCTS.
- ALL UNDERGROUND DRAINAGE PIPEWORK SHALL BE INSPECTED BY REPRESENTATIVE OF DRAINAGE SERVICES DEPARTMENT/ARCHITECT/CONSULTANT BEFORE IT IS BACKFILLED OR COVERED OVER.
- THE DESIGN AND CONSTRUCTION OF THE DRAINS SHOULD COMPLIED WITH PNAP 53, 211, 230, 238, 251, 272, 183, AND 205, CAP 123 1 49(2), 173, 1 74 AND FRC (1996), 10.5, 10.6, 11.3(C), 282 14.1 AND THE FIRE RESISTANCE ELEMENTS OF CONSTRUCTION OF THE LATEST BUILDING PLAN.
- MINIMUM DIA. OF UNDERGROUND SEWER AND DRAIN SHALL BE OF 100mm.
- ALL MANHOLES CONTRACTION SHALL BE COMPLIED WITH BUILDING (STANDARD OF SANITARY FITMENTS, PLUMBING, DRAINAGE WORKS AND LATRINES REGULATION 56.)

PIPEWORK MATERIALS

A. ABOVE GROUND SOIL AND SOIL & WASTE, RAIN WATER PIPEWORK AND ANTI-SIPHON PIPEWORK	UPVC PIPES AND FITTING TO ISO 3633 / B.S. 5255 (PERFORMANCE EQUIVALENT TO ISO 4422, PART 1, 2 AND 3)
B. UNDERGROUND WASTE, SOIL & WASTE AND RAIN WATER PIPEWORK	GREY IRON PIPE AND FITTINGS TO B.S.E.N. 598
C. SUBSOIL DRAIN PIPEWORK	PERFORATED PLASTIC PIPES AND FITTINGS TO BS 4962.
D. SOIL & WASTE WATER PIPEWORK CONNECTED TO PUBLIC SEWER	VITRIFIED CLAY PIPE WITH PREFABRICATED FLEXIBLE JOINT TO B.S. EN 295
E. PUMPED WASTE PIPE	DUCTILE IRON PIPE AND FITTINGS TO BSEN 598

DRAWING LIST

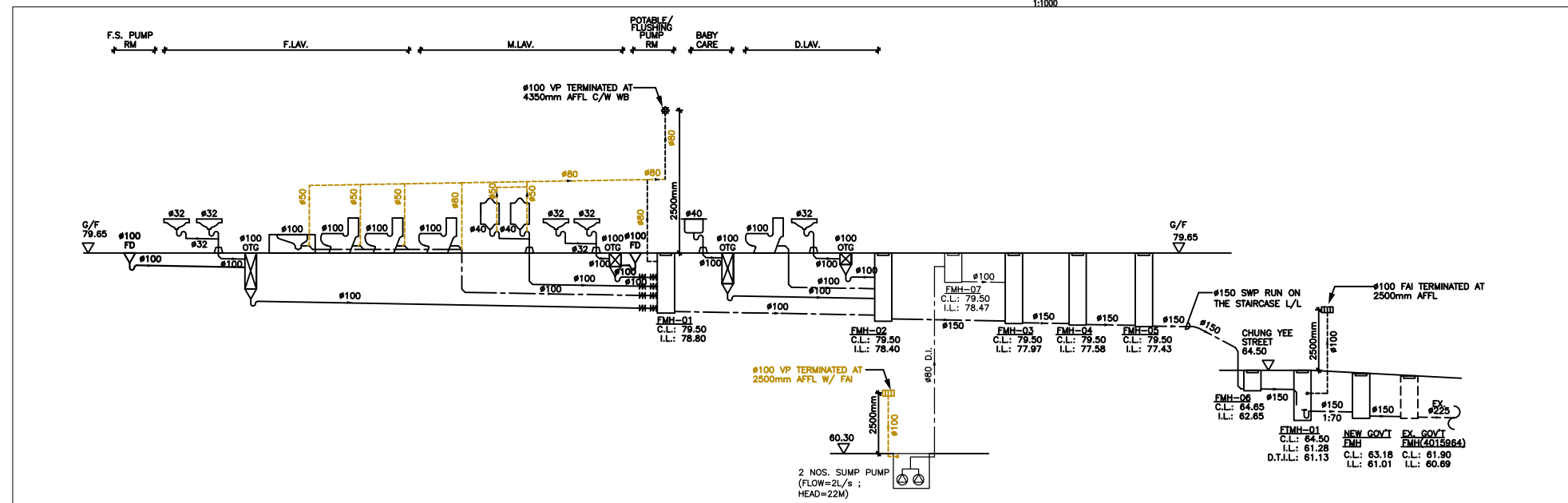
DRAWING NO.	TITLE
AB/2263/SP001	LEGEND, ABBREVIATION, DRAWING LIST, GENERAL NOTES, PIPE MATERIAL SCHEDULE, BLOCK PLAN & SCHEMATIC DIAGRAM
AB/2263/SP201	DRAINAGE LAYOUT FOR GROUND FLOOR
AB/2263/SP202	DRAINAGE LAYOUT FOR EXISTING CATCH PIT AT THE SLOPE OF THE ADJOINING SCHOOL
AB/2263/SP301	STANDARD DETAILS FOR DRAINAGE SYSTEM (I)
AB/2263/SP302	STANDARD DETAILS FOR DRAINAGE SYSTEM (II)
AB/2263/SP303	STANDARD DETAILS FOR DRAINAGE SYSTEM (III)



MANHOLE SCHEDULE

MANHOLE NO.	TYPE	C.L.	I.L.	DEPTH	INTERNAL SIZE	
					(L) X (W)	(L) X (W)
SMH-01	C	79.50	78.90	600	1050 X 750	
SMH-02	C	79.50	78.78	720	900 X 750	
SMH-03	C	79.50	78.68	820	1200 X 900	
SMH-05	C	79.50	78.56	940	1050 X 900	
SMH-06	D	79.50	78.50	1000	1200 X 900	
SMH-07	D	79.50	78.40	1100	1350 X 1200	
SMH-08	D	79.50	78.31	1190	1350 X 1200	
SMH-09	C	79.50	78.90	600	1350 X 750	
SMH-10	C	79.50	78.90	600	750 X 750	
SMH-11	C	79.50	78.80	700	1250 X 750	
SMH-13	C	79.50	78.60	900	1050 X 900	
FMH-01	C	79.50	78.80	700	1350 X 750	
FMH-02	D	79.50	78.40	1100	1350 X 750	
FMH-03	E	79.50	77.97	1530	1350 X 1350	
FMH-04	E	79.50	77.58	1920	1350 X 1350	
FMH-05	E	79.50	77.43	2070	1350 X 1350	
FMH-06	E	64.65	62.65	2000	1350 X 1350	
FMH-07	D	79.50	78.47	1030	1200 X 900	
NEW GOV'T FMH	E	63.18	61.01	2170	1350 X 1350	

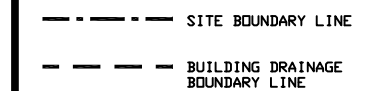
MANHOLE NO.	TYPE	C.L.	I.L.	D.T.I.L.	DEPTH	INTERNAL SIZE (L) X (W)
STMH-02	T1	79.50	78.23	78.08	1420	1500 X 1350
FTMH-01	T3	64.50	61.28	61.13	3370	1500 X 1350



SCHEMATIC DIAGRAM FOR DRAINAGE SYSTEM OF ADDITIONAL TOILET

FOR ALL PLANTER KERB TO BE 100 H. FROM FINISH LEVEL EXCEPT OTHERWISE STATED

FOR ALL KERBS OF FOOTPATHS ADJACENT TO PLANTERS (EXCEPT TREE PITS), THE PLANTER SOIL LEVEL ARE KEPT AT A MINIMUM OF 50mm LOWER THAN THE KERB LEVEL.



No.	Date	ISSUE FOR TENDER	WT
Revision			
Consultant Project No. 080101			

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湯瑪士(香港)有限公司

Designed	Name	Signed	Date
Drawn			
Checked			
Approved			

Contract No.

File No.

Project No. 420 RO

Consultant Agreement No. 9AS022

Contract LOCAL OPEN SPACE AT CHUNG YEE STREET, KOWLOON CITY DISTRICT

Drawing Title LEGEND, ABBREVIATION, DRAWING LIST, GENERAL NOTES, PIPE MATERIAL SCHEDULE, & BLOCK PLAN

Drawing No. BS/2263/SD001	Scale N.T.S.
Approved	Signed (Chief) 04 JUL 2008 (Date)

ARCHITECTURAL SERVICES DEPARTMENT