

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.
  2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM (mPD).
  3. DETAILS OF EXISTING STORMWATER DRAINS ARE BASED ON DSD RECORD DRAWINGS.
  4. THE ALIGNMENT OF UTILITIES SHOWN IN THE DRAWINGS ARE INDICATIVE ONLY.
  5. THE DRAWING IS READ IN CONJUNCTION WITH DWG NO. 0220/PRD/TP3/002.

- LEGEND:**
- SITE LIMIT
  - 1900.1 (1500) PROPOSED STORMWATER DRAIN TO REPLACE EXISTING STORMWATER DRAIN 450mm Ø
  - 190A.1 PROPOSED STORMWATER DRAIN PIPE
  - U-CHANNEL PROPOSED U-CHANNEL
  - 6000 EXISTING STORMWATER DRAIN TO BE DEMOLISHED AND REMOVED
  - MH2.1 (1500) PROPOSED SEWERAGE DRAIN TO REPLACE EXISTING SEWERAGE 150mm Ø
  - MH1.1 PROPOSED SEWERAGE PIPE
  - 6000 EXISTING SEWERAGE TO BE DEMOLISHED OR ABANDONED
  - 7500 EXISTING 750mm Ø STORMWATER DRAIN
  - ELECTRIC CABLES
  - FRESH WATER MAINS
  - EXISTING SEWER PIPE
  - SALT WATER MAINS
  - TOWN GAS PIPE

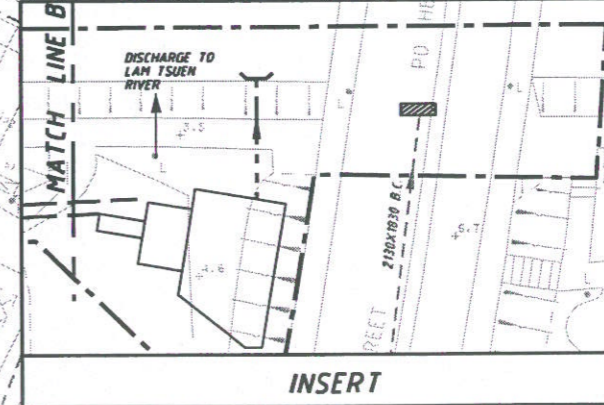
- ⊙ EXISTING CATCHPIT
- ⊗ EXISTING STORMWATER MANHOLE TO BE DEMOLISHED AND REMOVED
- ⊙ EXISTING CATCHPIT TO BE DEMOLISHED AND RECONSTRUCTED
- ⊙ EXISTING STORMWATER MANHOLE
- ⊙ PROPOSED STORMWATER MANHOLE
- ⊙ EXISTING STORMWATER MANHOLE TO BE MODIFIED
- ⊙ EXISTING STORMWATER MANHOLE TO BE DEMOLISHED AND RECONSTRUCTED
- ⊙ PROPOSED SEWERAGE MANHOLE
- ⊙ EXISTING SEWERAGE MANHOLE TO BE DEMOLISHED AND RECONSTRUCTED
- ⊙ EXISTING SEWERAGE MANHOLE
- ⊗ EXISTING SEWERAGE MANHOLE TO BE DEMOLISHED AND REMOVED
- DRAINAGE INLET
- DRAINAGE OUTLET
- PROPOSED FLAP VALVE
- PROPOSED STORM WATER DRAIN PIPE BY TRECHLESS METHOD
- 3.5mX2.0m B.C. PROPOSED BOX CULVERT
- EXISTING BOX CULVERT TO BE DEMOLISHED
- EXISTING BOX CULVERT

**PIPE SCHEDULE (STORMWATER)**

PIPE LABEL	PIPE LENGTH (m)	USGL (mPD)	USL (mPD)	DSL (mPD)	PIPE SIZE (mm)	PIPE SLOPE (1 IN)	PIPE BEDDING	PIPE CLASS	UPSTREAM MANHOLE TYPE	DOWNSTREAM MANHOLE TYPE
9309.1	4	8.910	6.500	6.399	450	4.0	B	H	E	E
930A.1	27	8.900	6.399	5.770	450	4.0	B	H	E	E
9300.1	57	7.200	5.670	4.637	600	4.6	C	H	E	D
930C.1	4	5.900	4.437	4.350	600	4.6	C	H	D	E
9400.1	39	5.870	4.350	3.710	600	6.1	C	H	E	D
9406.1	8	4.990	3.710	3.510	600	3.0	C	H	D	L/BD2
9423.1	26	4.870	1.950	1.800	900	15.3	B	H	L/BD2	H
9424.1	11	4.270	1.800	1.600	900	13.0	B	H	H	H
9404.1	8	4.560	1.800	0.770	900	2.1	B	H	H	OUTFALL
9404.2	55	4.560	0.576	0.174	1050	13.7	B	H	H	L2/BD2
9410.2	10	4.790	0.074	-0.210	1350	7.5	B	H	L2/BD2	L2/BD2
0413.2	107	4.840	-0.210	-0.762	1350	19.4	B	H	L2/BD2	L
1502.2	52	4.000	-0.762	-1.190	1350	12.1	B	H	L	L2/BD2
1520.2	21	4.350	-1.190	-1.445	1350	7.6	B	H	L2/BD2	L1
1504.1	107	4.800	-1.445	-2.150	1350	15.6	B	H	L1	PUMPING STATION
9300.1	30	7.540	5.830	5.690	450	27.1	B	H	E	E
9421.1	26	3.500	2.120	1.910	450	12.4	C	H	D	SE
9422.1	21	4.300	1.910	1.730	450	11.7	B	H	E	H/BD2
0310.1	52	4.120	2.735	2.395	750	15.3	C	H	L	G
0300.1	26	4.040	2.745	2.002	900	16.0	C	H	G	G
1301.1	26	4.090	2.002	1.919	900	16.0	B	H	G	H
1400.1	19	4.320	1.919	1.806	900	16.0	B	H	H	H
1407.1	17	4.190	1.806	1.700	900	16.0	B	H	H	H
1406.1	31	4.040	1.700	1.490	900	10.3	B	H	H	H
1401.1	34	4.560	1.400	0.870	900	6.4	B	H	H	I
1505.1	13	4.350	0.870	0.760	900	11.0	B	H	H	L

**PIPE SCHEDULE (SEWERAGE)**

PIPE LABEL	PIPE LENGTH (m)	USGL (mPD)	USL (mPD)	DSL (mPD)	PIPE SIZE (mm)	PIPE SLOPE (1 IN)	PIPE BEDDING	PIPE CLASS	UPSTREAM MANHOLE TYPE	DOWNSTREAM MANHOLE TYPE
MH1.1	4	4.330	1.070	1.000	300	5.7	B	H	F	F/BD3
MH2.1	65	4.040	1.000	0.961	450	16.67	B	H	F/BD3	F
MH3.1	70	4.330	0.907	0.955	450	16.67	B	H	F	F
MH4.1	8	4.410	0.955	0.949	450	13.33	B	H	F	A.C.F
MH5.1	25	4.400	0.949	0.760	600	13.2	B	H	F	L/BD2
MH6.1	20	4.750	-0.940	-1.100	600	12.5	B	H	L/BD2	EX. MH



**DRAINAGE SERVICES DEPARTMENT, THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION**

AGREEMENT No. CE 00/2001 (DSD)  
DRAINAGE IMPROVEMENT IN SHA TIN AND TAI PO  
DESIGN AND CONSTRUCTION

**STORMWATER DRAINAGE IMPROVEMENT AT TAI PO MARKET**

SHEET 1 OF 2

MAUNSELL CONSULTANTS ASIA LTD.  
茂盛洋行工程顧問有限公司

DRGNO. 圖紙編號: **FIGURE 1.6H**

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