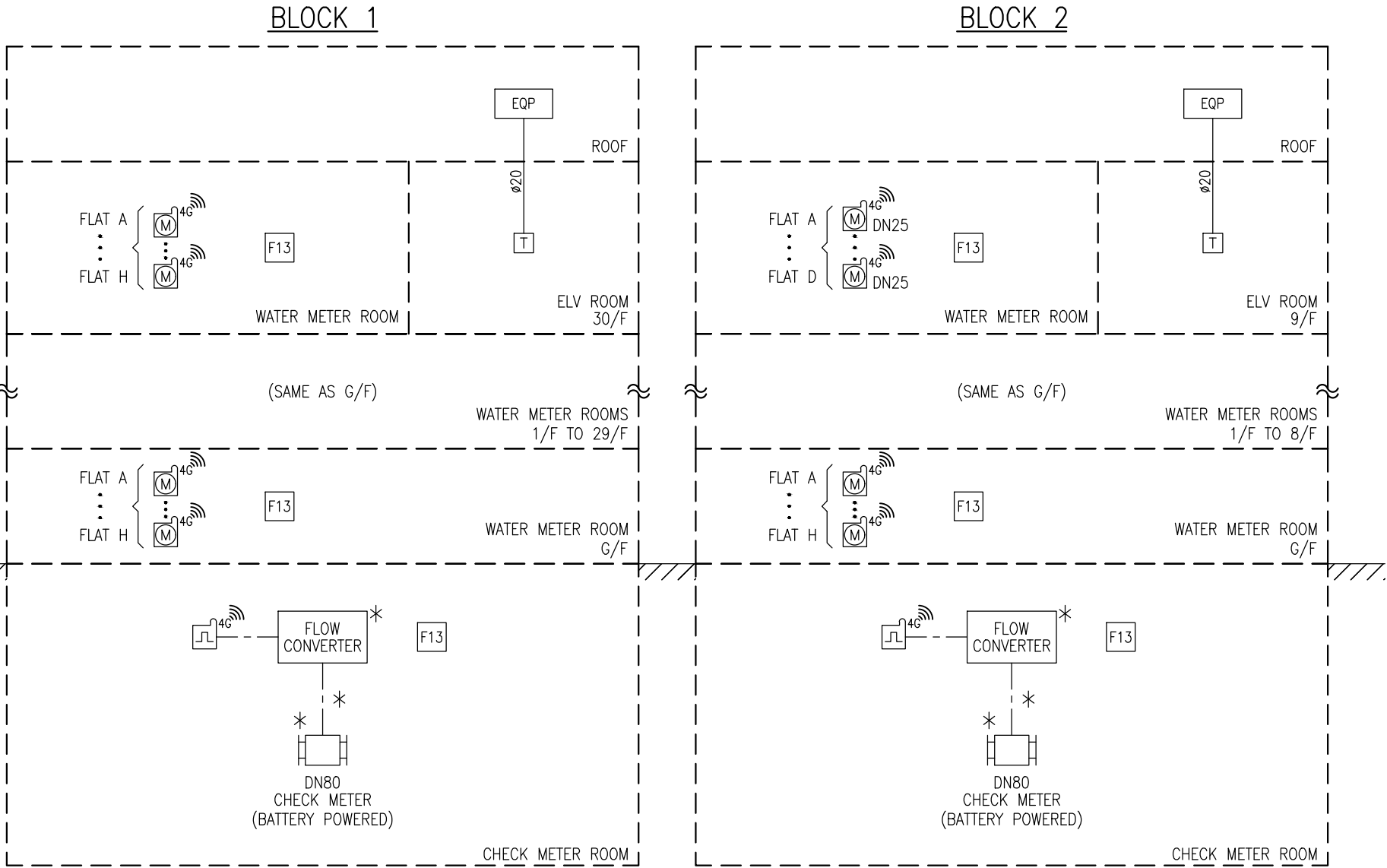
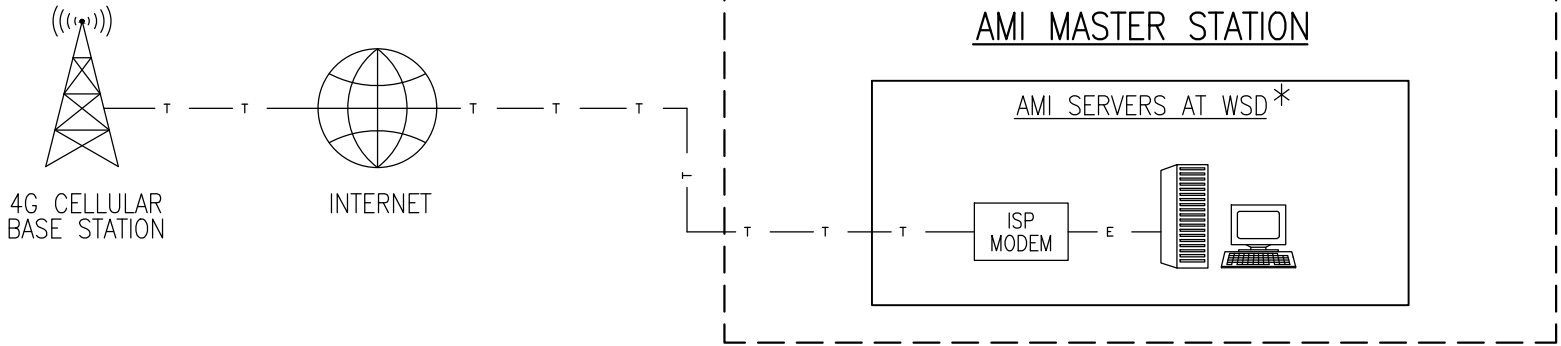
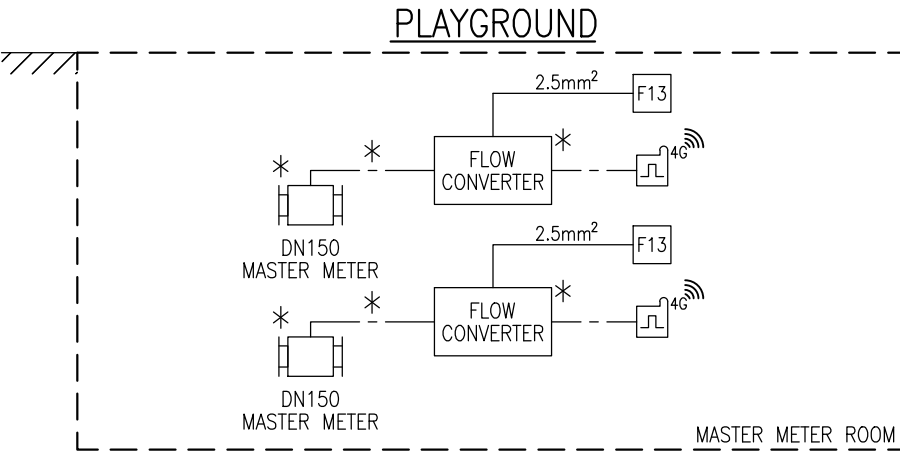


WIRELESS AMI SYSTEM INSTALLATION AT WATERLOO GARDEN
(PROJECT NO. 123)

LEGEND	DESCRIPTION
	BATTERY POWERED 4G METER INTERFACE UNIT FOR MECHANICAL TYPE WATER METER (DN15, UNLESS OTHERWISE SPECIFIED)
	BATTERY POWERED 4G PULSE COUNTER
	13A 220V 50Hz FUSED SPUR UNIT (1350 AFFL), IP54
	ELECTRO-MAGNETIC TYPE WATER METER
	IEC 60670 BOX WITH BLANK COVER (1350 AFFL) FOR FUTURE INTERNET CONNECTION
	SS 316 WEATHERPROOF STAINLESS STEEL EQUIPMENT PANEL WITH 13A 220V 50Hz FUSED SPUR UNIT (1800 AFFL) (300(W) X 450(H) X 220(D))
	DEDICATED ø20 CONDUIT WITH STEEL DRAW WIRE
	CAT 5e/6 ETHERNET CABLE
	POWER CABLE IN CONDUIT (2.5mm² COPPER)
	PVC SHEATHED SIGNAL CABLE
	COMMUNICATION LINK (BY INTERNET SERVICE PROVIDER)
*	DENOTES EQUIPMENT TO BE SUPPLIED BY WSD

SUMMARY OF INSTALLATION				
LOCATION	NO. OF SMART METERS CONNECTED			
	DN15	DN25	DN80	DN150
BLOCK 1	248	–	1	–
BLOCK 2	72	4	1	–
PLAYGROUND	–	–	–	2
TOTAL	320	4	2	2



NOTES:

- EACH INDOOR METER INSTALLATION LOCATION SHALL BE PROVIDED WITH ONE IP54 13A FUSED SPUR UNIT SUPPLIED BY DEDICATED MCB FOR USE BY THE WSD.
- IF 13A FUSED SPUR UNIT(S) HAS BEEN PROVIDED FOR THE ELECTRO-MAGNETIC TYPE WATER METER(S), THE REQUIREMENT AT NOTE 1 CAN BE EXEMPTED.
- ALL METER INSTALLATION LOCATIONS SHALL HAVE 4G SIGNAL WITH RSRP ≥ -105 dBm.
- ALL WATER METERS WILL BE SUPPLIED BY WSD FOR INSTALLATION BY THE CONTRACTOR.
- THIS DRAWING IS FOR DESIGN REFERENCE ONLY.

編號 no.	日期 date	摘要 description	簽署 initial
修訂 REVISION			
辦事處 office			
數字水務辦公室 DIGITAL WATER OFFICE			
水務署 Water Supplies Department			

圖則名稱 drawing title
REFERENCE DESIGN –
SCHEMATIC DIAGRAM OF WIRELESS
ADVANCED METERING INFRASTRUCTURE
(AMI) SYSTEM INSTALLATION FOR
PREMISES WITH MULTI-STOREY BUILDINGS

核對 checked	H.K. YEUNG TM/TD(2)
日期 date	10/2025
比例 scale	NOT APPLICABLE

圖則編號 drawing no.
W 88800/0010