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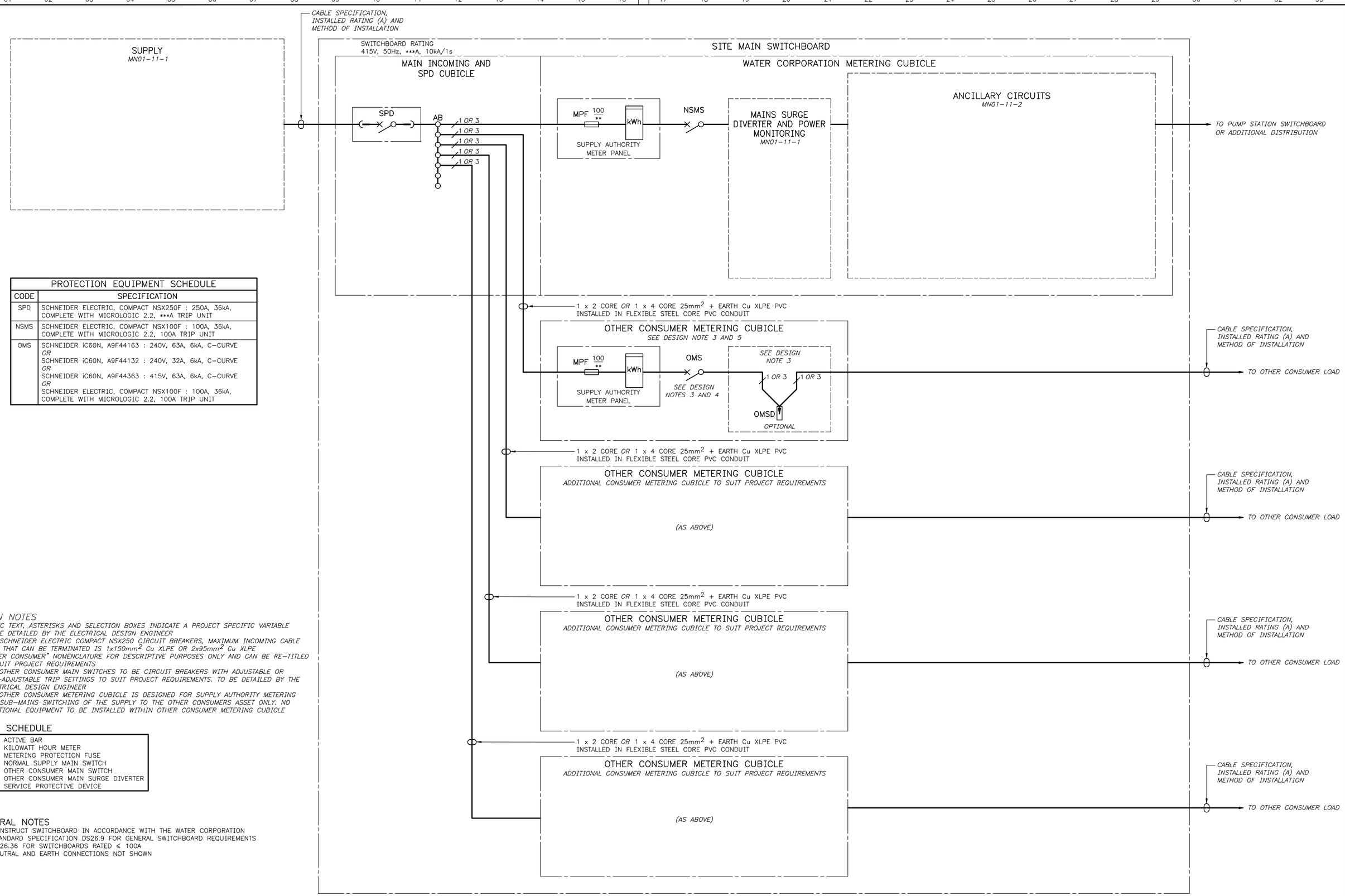

PROTECTION EQUIPMENT SCHEDULE

CODE	SPECIFICATION
SPD	SCHNEIDER ELECTRIC, COMPACT NSX250F : 250A, 36kA, COMPLETE WITH MICROLOGIC 2.2, ***A TRIP UNIT
NSMS	SCHNEIDER ELECTRIC, COMPACT NSX100F : 100A, 36kA, COMPLETE WITH MICROLOGIC 2.2, 100A TRIP UNIT
OMS	SCHNEIDER iC60N, A9F44163 : 240V, 63A, 6kA, C–CURVE *OR* SCHNEIDER iC60N, A9F44132 : 240V, 32A, 6kA, C–CURVE *OR* SCHNEIDER iC60N, A9F44363 : 415V, 63A, 6kA, C–CURVE *OR* SCHNEIDER ELECTRIC, COMPACT NSX100F : 100A, 36kA, COMPLETE WITH MICROLOGIC 2.2, 100A TRIP UNIT

DESIGN NOTES

1. *ITALIC TEXT, ASTERISKS AND SELECTION BOXES INDICATE A PROJECT SPECIFIC VARIABLE TO BE DETAILED BY THE ELECTRICAL DESIGN ENGINEER*
2. *FOR SCHNEIDER ELECTRIC COMPACT NSX250 CIRCUIT BREAKERS, MAXIMUM INCOMING CABLE SIZE THAT CAN BE TERMINATED IS 1x150mm² Cu XLPE OR 2x95mm² Cu XLPE*
3. *"OTHER CONSUMER" NOMENCLATURE FOR DESCRIPTIVE PURPOSES ONLY AND CAN BE RE–TITLED TO SUIT PROJECT REQUIREMENTS*
4. *THE OTHER CONSUMER MAIN SWITCHES TO BE CIRCUIT BREAKERS WITH ADJUSTABLE OR NON–ADJUSTABLE TRIP SETTINGS TO SUIT PROJECT REQUIREMENTS. TO BE DETAILED BY THE ELECTRICAL DESIGN ENGINEER*
5. *THE OTHER CONSUMER METERING CUBICLE IS DESIGNED FOR SUPPLY AUTHORITY METERING AND SUB–MAINS SWITCHING OF THE SUPPLY TO THE OTHER CONSUMERS ASSET ONLY. NO ADDITIONAL EQUIPMENT TO BE INSTALLED WITHIN OTHER CONSUMER METERING CUBICLE*

CODE SCHEDULE

AB	ACTIVE BAR
kWh	KILOWATT HOUR METER
MPF	METERING PROTECTION FUSE
NSMS	NORMAL SUPPLY MAIN SWITCH
OMS	OTHER CONSUMER MAIN SWITCH
OMSD	OTHER CONSUMER MAIN SURGE DIVERTER
SPD	SERVICE PROTECTIVE DEVICE

GENERAL NOTES

1. CONSTRUCT SWITCHBOARD IN ACCORDANCE WITH THE WATER CORPORATION STANDARD SPECIFICATION DS26.9 FOR GENERAL SWITCHBOARD REQUIREMENTS DS26.36 FOR SWITCHBOARDS RATED ≤ 100A
2. NEUTRAL AND EARTH CONNECTIONS NOT SHOWN

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
B	09/2023		OSCB DELETED, AB ADDED. SEPARATE SPD AND METERING CUBICLES ADDED			

DESIGN SURVEY NONE | VERTICAL DATUM NONE | COORDINATE SYS NONE | ASCON SURVEY NONE | DES REF | DES CALC NA | DES CHD NA | DRN P HARVEY | Q.C. CHD S MEMORY | NORTH POINT

ENGINEERING

SUBMITTED 23/10/2020 T LIU (SIGNED) SENIOR ENGINEER – ELECTRICAL

RECOMMENDED 23/10/2020 E GLIWSKI (SIGNED) PRINCIPAL ENGINEER – ELECTRICAL

APPROVED 23/10/2020 N JOHNSON (SIGNED) SNR PRINCIPAL ENGINEER – ELECT

WATER CORPORATION

ELECTRICAL STANDARD SWITCHBOARD DESIGNS
SMALL PUMP STATIONS
PRIMARY DESIGN – POWER DIAGRAM TEMPLATE
MULTIPLE MASTER METERS – 160A MAIN SWITCHBOARD

FILE | PLAN MN01–1–5 | CAD | ISSUE B | ORIGINAL SHEET SIZE A1
PROJECT | MF

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STANDARDS\APPROVED\MN01\MN01–001–005–01B 14:17 01/09/2023 MEMORYSO/NB46194

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