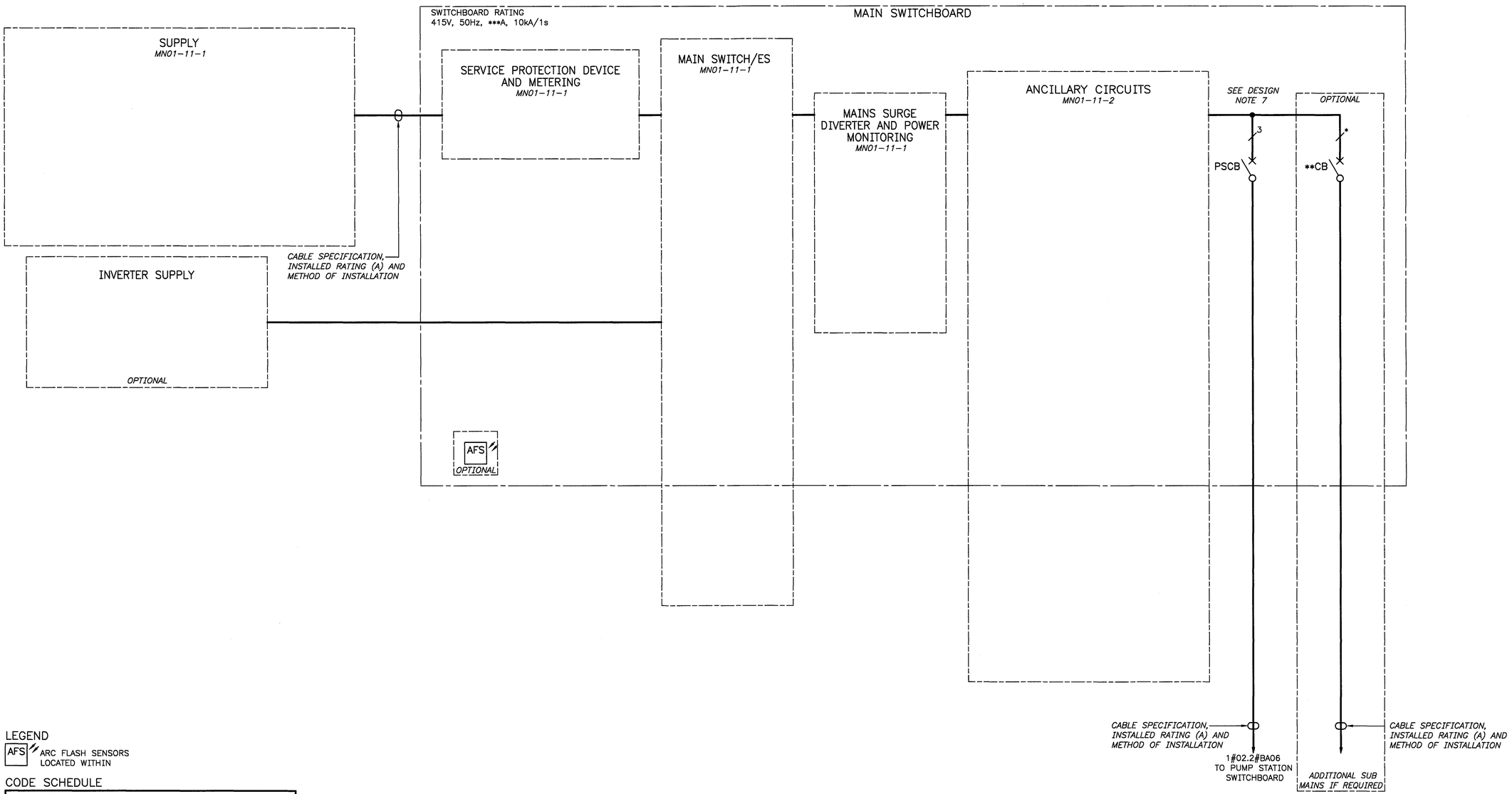
PROTECTION EQUIPMENT SCHEDULE		
CODE	MAIN SWBD RATED CURRENT	SPECIFICATION
PSCB	100A	SCHNEIDER ELECTRIC, COMPACT NSX100F : 100A, 36kA, COMPLETE WITH MICROLOGIC *.2, ***A TRIP UNIT
	220A, 440A	SCHNEIDER ELECTRIC, COMPACT NSX***F : ***A, 36kA, COMPLETE WITH MICROLOGIC *.*, ***A TRIP UNIT
**CB	100A, 220A, 440A	SCHNEIDER ELECTRIC, iC60H : **A, 10kA CIRCUIT BREAKER *OR* SCHNEIDER ELECTRIC, C120H : **A, 10kA CIRCUIT BREAKER *OR* SCHNEIDER ELECTRIC, COMPACT NSX***F : ***A, 36kA, COMPLETE WITH MICROLOGIC *.*, ***A TRIP UNIT



LEGEND

AFS ARC FLASH SENSORS LOCATED WITHIN

CODE SCHEDULE

AFS	ARC FLASH SENSOR
CB	CIRCUIT BREAKER
NSMS	NORMAL SUPPLY MAIN SWITCH
PSCB	PUMP STATION SWITCHBOARD SUPPLY CIRCUIT BREAKER

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
   DS26.10 FOR SWITCHBOARDS RATED > 100A ⩽ 200A
   DS26.11 FOR SWITCHBOARDS RATED >200A TO ⩽ 440A
2. NEUTRAL AND EARTH CONNECTIONS NOT SHOWN

DESIGN NOTES

1. *REFER TO BUNDLES 31 TO 40 FOR EXAMPLES OF PROJECT ELECTRICAL PRIMARY DESIGN DRAWINGS*
2. *ITALIC TEXT, ASTERISKS AND SELECTION BOXES INDICATE A PROJECT SPECIFIC VARIABLE TO BE DETAILED BY THE ELECTRICAL DESIGN ENGINEER*
3. *ADDITIONAL CIRCUIT REQUIREMENTS TO BE DETAILED BY ELECTRICAL DESIGN ENGINEER*
4. *ARC FLASH PROTECTION SHALL BE SUBJECT TO ASSESSMENT IN ACCORDANCE WITH DS29 FOR ALL SWITCHBOARDS, MOTOR DISCONNECT AND GENERATOR CONNECTION CUBICLES*
5. *ARC FLASH MONITORING IS BASED ON ABB TVOC-2 ARC FLASH MONITOR. NUMBER AND LOCATION OF MONITORS DEPENDENT ON SITE CONFIGURATION AND SUBJECT TO SENSOR CABLE LENGTH LIMIT OF 60m*
6. *PSCB AND **CB TO BE SPECIFIED BY ELECTRICAL DESIGN ENGINEER AND DETAILED ON PROTECTION GRADING CURVE*
7. *IF THERE IS NO INVERTER SUPPLY AND THE ONLY OUTGOING SUPPLY IS TO THE PUMP STATION SWITCHBOARD, THE PSCB CAN BE OMITTED*

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
E	02/2020		PROTECTION EQUIPMENT SCHEDULE REVISED	PH	T.L.	EJG
D	11/2019		INVERTER SUPPLY AND MAIN SWITCH/ES ADDED; NOTE 7 REVISED	PH	EG	NJ
C	02/2019		NOTE 5 REVISED; MAINS SURGE DIVERTER, POWER MONITORING AND ANCILLARY CIRCUITS MOVED TO 11-1 AND 11-2; NOTES 4 AND 8 DELETED; NEW NOTE 7 ADDED	PH	EG	NJ

566
810

DESIGN SURVEY NONE | VERTICAL DATUM NONE | COORDINATE SYS NONE | ASCON SURVEY NONE | DES REF

DES CALC E FONG | DES CHD K O'GRADY | DRN P HARVEY | Q.C. CHD S MEMORY

NORTH POINT

SUBMITTED 24/07/2017 E FONG (SIGNED) SENIOR ENGINEER – ELECTRICAL

RECOMMENDED 24/07/2017 K O'GRADY (SIGNED) PRINCIPAL ENGINEER – ELECTRICAL

APPROVED 24/07/2017 N JOHNSON (SIGNED) SNR PRINCIPAL ENGINEER – ELECT

ENGINEERING

WATER CORPORATION

ELECTRICAL STANDARD SWITCHBOARD DESIGNS
SMALL PUMP STATIONS
PRIMARY DESIGN – POWER DIAGRAM TEMPLATE
MULTIPLE SWITCHBOARD SITE, GENERATOR AT PS SWBD – PART 1

FILE | PROJECT | PLAN MN01-1-2.1 | CAD | ISSUE E

ORIGINAL SHEET SIZE A1

MF 06 MAR 2020

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STANDARDS\APPROVED\MN01\REVISIONS\MN01-001-002-01E 08:15 04/02/2020 harveyp0/WS27105