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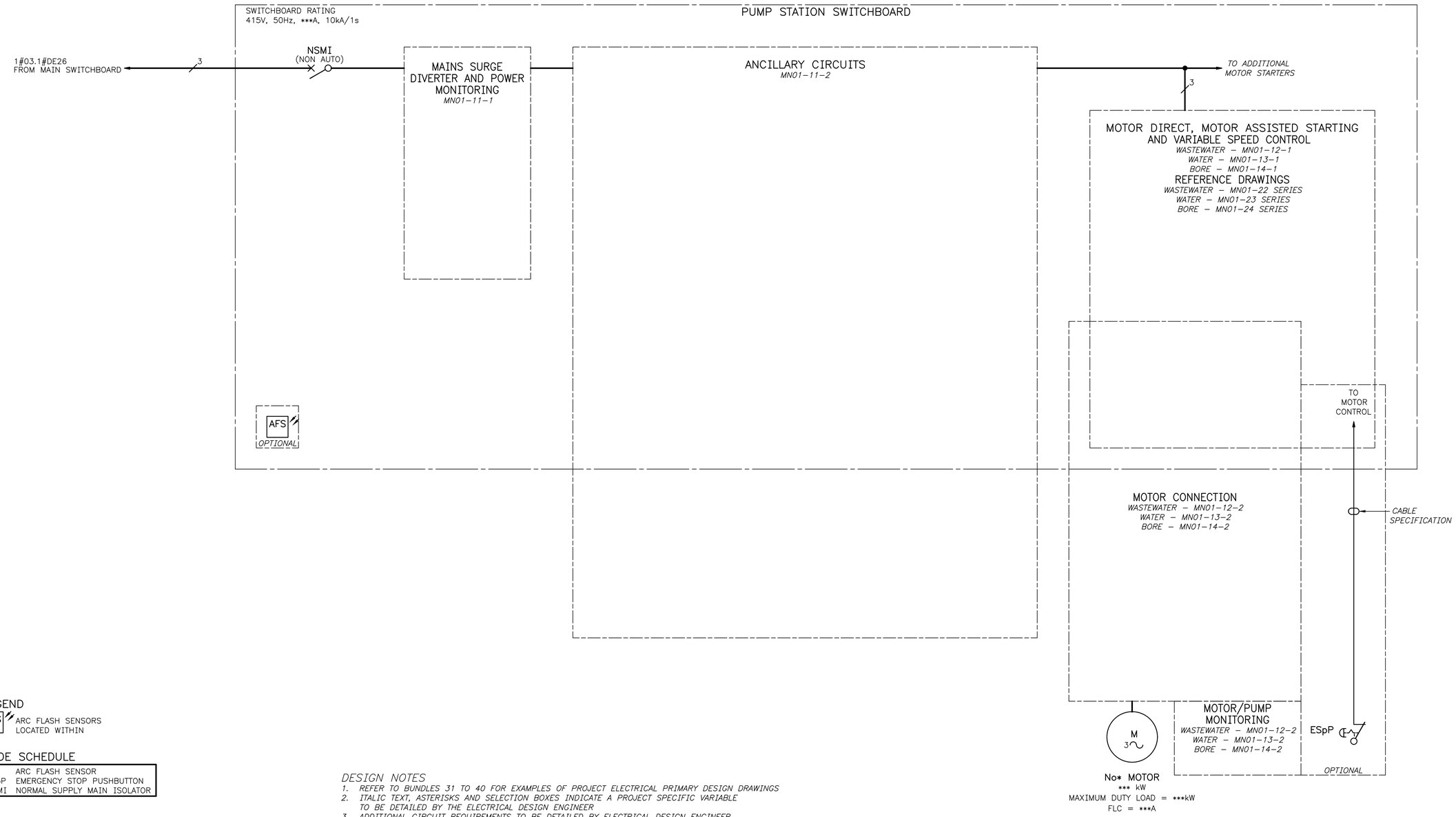

LEGEND

AFS ARC FLASH SENSORS LOCATED WITHIN

CODE SCHEDULE

AFS	ARC FLASH SENSOR
ESpP	EMERGENCY STOP PUSHBUTTON
NSMI	NORMAL SUPPLY MAIN ISOLATOR

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. *CONTROL REQUIREMENTS DEFINED BY SCADA DESIGN ENGINEER*

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
E	08/2021		VARIABLE SPEED CONTROL ADDED	PH	~~TK~~	~~EG~~
D	12/2019		NOTE 7 DELETED	SAM	TL	EG
C	11/2019		DESIGN NOTE 7 ADDED	PH	EG	NJ
B	02/2019		NOTE 5 REVISED; MAINS SURGE DIVERTER, POWER MONITORING AND ANCILLARY CIRCUITS MOVED TO 11–1 AND 11–2; NOTE 7 DELETED	PH	EG	NJ

566
810

DESIGN SURVEY NONE	VERTICAL DATUM NONE	DES CALC E FONG	NORTH POINT
	COORDINATE SYS NONE	DES CHD K O'GRADY	
ASCON SURVEY NONE	DES REF	DRN P HARVEY	
		Q.C. CHD S MEMORY	

SUBMITTED 17/05/2018
E FONG (SIGNED)
SENIOR ENGINEER – ELECTRICAL

RECOMMENDED 17/05/2018
K O'GRADY (SIGNED)
PRINCIPAL ENGINEER – ELECTRICAL

APPROVED 17/05/2018
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 MAIN SWBD – PART 2

FILE
PROJECT
PLAN MN01–1–3.2
CAD
ISSUE E
MF
ORIGINAL SHEET SIZE A1

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STANDARDS\APPROVED\MN01\MN01–001–003–02E 14:38 25/03/2022 HARVEYP0/NB46193