BUSES LINKING MODULES – SORTED BY SOURCE CODE

	BUS NAME	SOURCE MODULE	SOURCE CODE (SEE NOTE 1)	DESTINATION MODULE	DEST'N CODE (SEE NOTE 1)
161	TRANSFORMER FAULT	TRANSFORMER	9	COMMON DISPLAY, SCADA	CS
162	TRANSFORMER 1 EARTH FAULT	TRANSFORMER	9	COMMON DISPLAY	C
163	TRANSFORMER 1 ON	TRANSFORMER	9	COMMON DISPLAY, SCADA	CS
164	TRANSFORMER 1 OVER TEMP.	TRANSFORMER	9	COMMON DISPLAY	C
165	TRANSFORMER 1 PRESSURE FAULT	TRANSFORMER	9	COMMON DISPLAY	C
166	TRANSFORMER 2 EARTH FAULT	TRANSFORMER	9	COMMON DISPLAY	C
167	TRANSFORMER 2 ON	TRANSFORMER	9	COMMON DISPLAY, SCADA	CS
168	TRANSFORMER 2 OVER TEMP.	TRANSFORMER	9	COMMON DISPLAY	C
169	TRANSFORMER 2 PRESSURE FAULT	TRANSFORMER	9	COMMON DISPLAY	C
170	STATION ACCUMULATED FLOW	STATION ANALOGUES & TOTALISERS	10	COMMON DISPLAY, SCADA	CS
171	STATION DELIVERY PRESSURE	STATION ANALOGUES & TOTALISERS	10	COMMON DISPLAY, SCADA	CS
172	STATION DHD	STATION ANALOGUES & TOTALISERS	10	STATION STATUS	1
173	STATION DLD	STATION ANALOGUES & TOTALISERS	10	STATION STATUS	1
174	STATION FLOW RATE	STATION ANALOGUES & TOTALISERS	10	COMMON DISPLAY, SCADA	CS
175	STATION kW HOURS	STATION ANALOGUES & TOTALISERS	10	COMMON DISPLAY, SCADA	CS
176	STATION NFwD	STATION ANALOGUES & TOTALISERS	10	STATION STATUS	1
177	STATION SLD	STATION ANALOGUES & TOTALISERS	10	STATION STATUS	1
178	STATION SUCTION PRESSURE	STATION ANALOGUES & TOTALISERS	10	COMMON DISPLAY, SCADA	CS
179	UNIT * MDTD	UNIT * ANALOGUES & TOTALISERS	11	UNIT * BEARING FAULT	6
180	UNIT * MNTD	UNIT * ANALOGUES & TOTALISERS	11	UNIT * BEARING FAULT	6
181	UNIT * MOTOR DE TEMPERATURE	UNIT * ANALOGUES & TOTALISERS	11	UNIT * DISPLAY, COMMON DISPLAY	UC
182	UNIT * MOTOR NDE TEMPERATURE	UNIT * ANALOGUES & TOTALISERS	11	UNIT * DISPLAY, COMMON DISPLAY	UC
183	UNIT * PDTD	UNIT * ANALOGUES & TOTALISERS	11	UNIT * BEARING FAULT	6
184	UNIT * PNTD	UNIT * ANALOGUES & TOTALISERS	11	UNIT * BEARING FAULT	6
185	UNIT * POWER	UNIT * ANALOGUES & TOTALISERS	11	UNIT * DISPLAY, COMMON DISPLAY	UC
186	UNIT * PUMP DE TEMPERATURE	UNIT * ANALOGUES & TOTALISERS	11	UNIT * DISPLAY, COMMON DISPLAY	UC
187	UNIT * PUMP NDE TEMPERATURE	UNIT * ANALOGUES & TOTALISERS	11	UNIT * DISPLAY, COMMON DISPLAY	UC
188	UNIT * RUN HOURS	UNIT * ANALOGUES & TOTALISERS	11	UNIT * DISPLAY, SCADA	US
189	UNIT * ULD	UNIT * ANALOGUES & TOTALISERS	11	UNIT * ELECT. AND HYD. FAULT	5
190	UNIT * MDVD	UNIT * VIBRATION	12	UNIT * BEARING FAULT	6
191	UNIT * MNVD	UNIT * VIBRATION	12	UNIT * BEARING FAULT	6
192	UNIT * MOTOR DE VIBRATION	UNIT * VIBRATION	12	UNIT * DISPLAY, COMMON DISPLAY	UC
193	UNIT * MOTOR NDE VIBRATION	UNIT * VIBRATION	12	UNIT * DISPLAY, COMMON DISPLAY	UC
194	UNIT * PDVD	UNIT * VIBRATION	12	UNIT * BEARING FAULT	6
195	UNIT * PNVD	UNIT * VIBRATION	12	UNIT * BEARING FAULT	6
196	UNIT * PUMP DE VIBRATION	UNIT * VIBRATION	12	UNIT * DISPLAY, COMMON DISPLAY	UC
197	UNIT * PUMP NDE VIBRATION	UNIT * VIBRATION	12	UNIT * DISPLAY, COMMON DISPLAY	UC
198	COMS. LINK FAIL	UNIT * BORE STATUS	13	COMMON DISPLAY	C
199	ON PEAK TARIFF	UNIT * BORE STATUS	13	UNIT * BORE ANALOGUE	14
200	ON PEAK TARIFF	UNIT * BORE STATUS	13	COMMON DISPLAY, SCADA	CS
201	STATION OVERRIDE STOP	UNIT * BORE STATUS	13	UNIT * STOP/START	3
202	UNIT * FAULT	UNIT * BORE STATUS	13	COMMON DISPLAY, SCADA	CS
203	UNIT * FAULT	UNIT * BORE STATUS	13	UNIT * STOP/START	CS
204	UNIT * HYDRAULICS HEALTHY	UNIT * BORE STATUS	13	UNIT * DISPLAY	U
205	UNIT * LOW FLOW	UNIT * BORE STATUS	13	UNIT * DISPLAY	U
206	UNIT * OVER PRESSURE	UNIT * BORE STATUS	13	UNIT * DISPLAY	U
207	VOLTS FAIL	UNIT * BORE STATUS	13	UNIT * STOP/START	3
208	VOLTS FAIL	UNIT * BORE STATUS	13	COMMON DISPLAY, SCADA	CS
209	VOLTS RESET	UNIT * BORE STATUS	13	UNIT * STOP/START	3
210	UNIT * DHD	UNIT * BORE ANALOGUE	14	UNIT * BORE STATUS	13
211	UNIT * EFFICIENCY	UNIT * BORE ANALOGUE	14	COMMON DISPLAY	C
212	UNIT * NFwD	UNIT * BORE ANALOGUE	14	UNIT * BORE STATUS	13
213	UNIT * OFF PEAK ENERGY	UNIT * BORE ANALOGUE	14	COMMON DISPLAY	C
214	UNIT * ON PEAK ENERGY	UNIT * BORE ANALOGUE	14	COMMON DISPLAY, SCADA	CS
215	UNIT * ROOM TEMPERATURE HIGH	UNIT * BORE ANALOGUE	14	COMMON DISPLAY, SCADA	CS
216	UNIT * ULD	UNIT * BORE ANALOGUE	14	UNIT * BORE STATUS	13
217	ALTERNATE DUTY	SINGLE DUTY	15	COMMON DISPLAY	C
218	DUTY CALL	SINGLE DUTY	15	COMMON DISPLAY	C
219	DUTY SELECT OFF	SINGLE DUTY	15	COMMON DISPLAY, SCADA	CS
220	DUTY SELECT OFF	SINGLE DUTY	15	FUTURE MODULE	F
221	STANDBY CALL	SINGLE DUTY	15	COMMON DISPLAY, SCADA	CS
222	STANDBY LATCHED	SINGLE DUTY	15	COMMON DISPLAY, SCADA	CS
223	UNIT * AUTO START	SINGLE DUTY	15	UNIT * STOP/START	3
224	UNIT * AUTO STOP	SINGLE DUTY	15	UNIT * STOP/START	3
225	UNIT 1 ON DUTY	SINGLE DUTY	15	COMMON DISPLAY	C
226	UNIT 2 ON DUTY	SINGLE DUTY	15	COMMON DISPLAY	C

GENERAL NOTES

1. SOURCE AND DESTINATION CODES
   a) NUMERICAL CODES CORRESPOND TO DRAWING NUMBER WITHIN FS00–2 BUNDLE eg. CODE 9 REFERENCES DRAWING FS00–2–9
   b) ALPHABETICAL CODES ALLOCATED AS FOLLOWS :
      C COMMON DISPLAY
      F FUTURE MODULE
      L COMMUNICATION LINK
      S SCADA
      U UNIT DISPLAY

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
D	06/2003		POSITIONS 161–176 ADDED FROM PART 1; POSITIONS 198–226 ADDED; POSITION 174 REVISED	TJT	RP	NHJ
C	11/2002		165, 166, 170, 171, 176, 177, 180 AND 181 DESTINATION MODULE REVISED	AA	RP	NHJ
B	10/2001		MODULES REVISED			

SURVEY BOOKS | VERTICAL DATUM NONE | COORDINATE SYS NONE | DES REF | DES CALC KOG | DES CHD | DRN TJT | Q.C. CHD HdeV | NORTH POINT

CWS
ELECTRICAL & MECHANICAL ENGINEERING
ELECTRICAL DESIGN & STANDARDS DEVELOPMENT
37 Lemnos Street
Shenton Park WA 6008
Telephone : (08) 9380 7452
Mobile : 0419 967 520
PO Box 230
Wembley WA 6014
Facsimile : (08) 9380 7570

RECOMMENDED 21/08/2001
R PRITCHARD (SIGNED)
PRINCIPAL RGP ENG

RECOMMENDED 24/08/2001
N H JOHNSON (SIGNED)
SUPERVISING ELECTRICAL ENGINEER, IDB

APPROVED 24/08/2001
A KLITA (SIGNED)
PRINCIPAL ENGINEER, IDB

WATER CORPORATION

ELECTRICAL STANDARD DRAWING
MAJOR PUMP STATION
STANDARD LOGIC DIAGRAMS
BUSES LINKING MODULES – SORTED BY SOURCE CODE – PART 2

FILE | PLAN FS00–1–3.2 | CAD | ISSUE D | PROJECT

ORIGINAL SHEET SIZE A1

MF 53,703

© THIS DRAWING IS THE PROPERTY OF THE WATER CORPORATION. IT SHALL NOT BE COPIED WITHOUT PERMISSION.

CWS DESIGN\PROJECTS\D03027W\CAD\FS00\FS00000100302D 11:54 04/07/2003 TRAINOTO/WSNT–N08408