



NOTE:
SINK 900MM X 900MM SUBMERGED OFFTAKE PIT INTO CLAY LINER TO BE 300MM ABOVE LOWEST I/L OF THE POOL.

CONNECTION BETWEEN SUBMERGED OFFTAKE PIT AND TWIN CHAMBER OUTFALL PIT (REFER 7251/12/006)

EDD CONTROL SYSTEM WITH TYCO TYPE RESILIENT SEATED GATE VALVE (GRAVITY DRAWDOWN AVAILABLE)

STANDARD NOTCH SIZES:

SIDEWINDER PENSTOCK TYPE A - 400M X 450MM (MIN INTERNAL PIT WIDTH 1850MM TO ALLOW FOR A LARGE TYPE B SIDEWINDER SHOULD IT BE REQUIRED)

- FOR;
- SMALLER CATCHMENTS (<60HA)
 - OFFLINE WETLANDS

SIDEWINDER PENSTOCK TYPE B - 625MM X 450MM (MIN INTERNAL PIT WIDTH 1850MM)

- FOR;
- LARGER CATCHMENTS (>60HA)
 - MAY BE UTILISED IN CONJUNCTION WITH ADDITIONAL V NOTCH ON THE WETLAND OUTFALL WEIR (REFER 7251/12/009)

SIDEWINDER PENSTOCK WILL PROVIDE EDT ADJUSTABILITY DURING THE PLANT ESTABLISHMENT PERIOD AND THE GRADUAL SETTING OF THE IDEAL NOTCH OPENING TO ACHIEVE UP TO A MAXIMUM 72 HOUR EDT.

TWIN CHAMBER OUTFALL PIT INLET/OUTLET PIPES SIZES TO BE OVERSIZED (MIN 525MM) RCP. NOTCH IN THE SEPARATOR WALL IS OVERSIZED (625 X 430) TO GIVE AMPLE MARGIN FOR ADJUSTABILITY SHOULD IT BE REQUIRED DURING THE PLANTING ESTABLISHMENT PERIOD OR IF CHANGES TO THE CATCHMENT OCCUR.

MANUALLY ADJUSTABLE EDD CONTROLS (NON VALVE) SHOULD BE AVOIDED DUE TO HEALTH AND SAFETY ISSUES AND ARE ONLY CONSIDERED VIABLE IN SHALLOW PITS (IE. <1.5M DEEP) AND MUST BE FITTED ON THE DOWNSTREAM SIDE OF THE SEPARATOR WALL IN NO MORE THAN 300MM PERMANENT WATER DEPTH.

AWMA SIDE WINDING PENSTOCK IS TO BE USED RATHER THAN A VERTICAL PENSTOCK, DUE TO LESS HEIGHT CLEARANCE REQUIRED IN PITS AND FOR VERTICAL WATER COLUMN TREATMENT.

SIDEWINDER SPINDLE TO EXTENDED TO WITHIN 300MM OF GRATE/GRILLE COVER (90MM X 90MM CUT OUT IN THE GRATE ALLOWANCE SPINDLE KEY ACCESS WITHOUT OPENING GRATE COVER OR REQUIRING CONFINED SPACE ENTRY)

FOR WETLAND DRAWDOWN A 300MM TYCO TYPE RESILIENT SEATED GATE VALVE IS TO BE INSTALLED ON THE DOWNSTREAM SIDE OF THE SEPARATOR WALL. THE 90MM X 90MM CUT OUT IN THE GRATED LID ALLOWS SPINDLE KEY ACCESS WITHOUT OPENING (GRATED) LID OR REQUIRING CONFINED SPACE ENTRY.

RESILIENT SEATED GATE VALVE PROVIDES BOTH FULL AND PARTIAL DRAWDOWN OF THE WETLAND - NOT REQUIRED WHERE THERE IS NO GRAVITY DRAWDOWN AVAILABLE (<400MM). REFER TO 7251/12/029.

									TITLE STANDARD DRAWING TWIN CHAMBER OUTFALL PIT (EDD CONTROL & DRAWDOWN) REFER TO 7251/12/006 FOR FURTHER DETAILS				
DRAFTER		DESIGNER		DESIGN MANAGER APPROVAL		PROJECT MANAGER APPROVAL		PROJECT DATUM		Original Size		MELBOURNE WATER CORPORATION	
DRAFTING CHECK		ENGINEERING REVIEW						SCALE		7251/12/005			
										CODE		MWC DRAWING NUMBER	
										REV			

7251/12/005
MWC DRAWING NUMBER
CODE

1	2	3	4	5	6	7	8	9	10	11	12	
A												A
B												B
C												C
D												D
E												E
F												F
G												G
H												H
1	2	3	4	5	6	7	8	9	10	11	12	