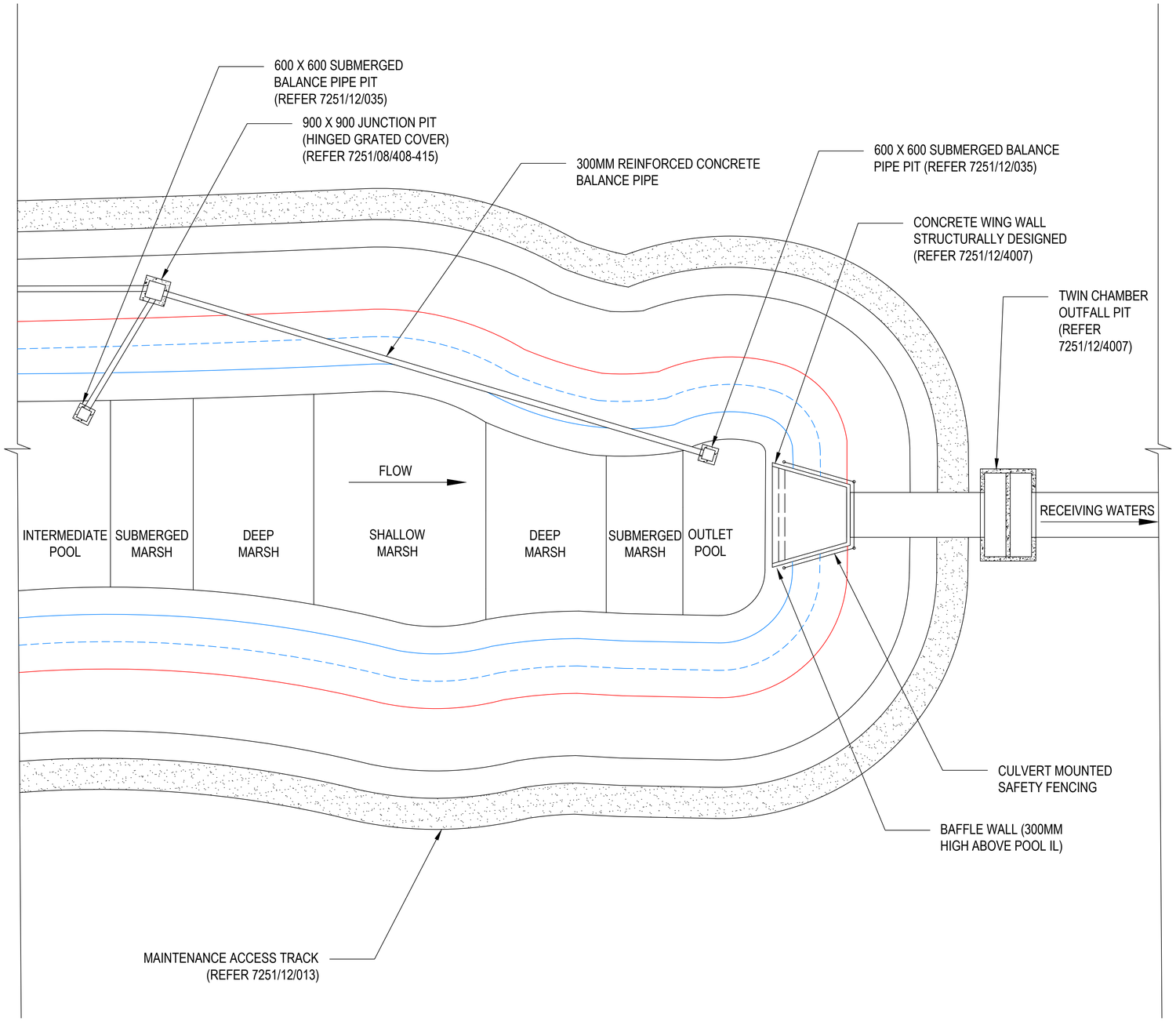
NOTE:

- ALTERNATE APPROACH WETLAND.
- ONLINE SYSTEM.
- BOTH HIGH AND LOW FLOWS ARE CONVEYED THROUGH THE LARGE DIA PIPE CONNECTING INTO THE TWIN CHAMBER OUTFALL PIT.
- EDD CONTROLLED VIA THE SIDE WINDING PENSTOCK LOCATED IN THE TWIN CHAMBER OUTFALL PIT.
- FULL GRAVITY DRAWDOWN IS PROVIDED VIA BALANCE PIPES AND THE GATE VALVE IN THE TWIN CHAMBER OUTFALL PIT.
- THE LENGTH OF PIPE BETWEEN THE SUBMERGED OFFTAKE PIT CONNECTING INTO THE TWIN CHAMBER OUTFALL PIT MUST BE WATERTIGHT IN ACCORDANCE AND BALANCE PIPES WITH AS/NZS4058.2007. PIPE MUST BE RUBBER RING JOINTED WITH A SEAL ABLE TO MEET 90kPa OF PRESSURE AND CONTAIN LIFTING LUGS (NO LIFTING HOLES).



LEGEND

NWL

TEDD

Q100

DESIGN NOTE:

- THE DESIGNER MUST ENSURE THAT THERE IS ENOUGH CAPACITY BETWEEN THE TOP OF THE SEPARATOR WALL AND RL OF TWIN CHAMBER OUTFALL PIT TO CONVEY THE Q100 HIGH FLOWS (300MM FREEBOARD INCLUDED).
- THIS EXAMPLE APPLIES WHERE THE TWIN CHAMBER OUTFALL PIT CAN BE LOCATED ON HIGH GROUND.
- GENERALLY, THE PIT SHOULD BE LIMITED TO 4 - 4.5M WIDE MAXIMUM
- WHERE THE PIT IS PROPOSED TO BE WIDER THAN 3M A STRUCTURAL ASSESSMENT NEEDS TO BE DONE TO ENSURE THAT PIT WALL THICKNESS AND STEEL REINFORCEMENT IS TO AUSTRALIAN STANDARD.
- ENSURE THAT THE CULVERT HEADWALL APRON IS 300MM ABOVE THE DEEPEST IL OF THE OUTLET POOL OR BAFFLE WALL 300MM ABOVE POOL IL.

PLAN VIEW

CONCEPT ONLY
NOT TO SCALE

REV	DESCRIPTION	COMPANY	PROJECT OR WO NUMBER	DRAWN	ENG. CHECK	PR. MAN. APP'D	DATE
A	ADDITIONAL NOTES	MW		MK			23/01/19

Melbourne Water

DRAFTER | DESIGNER | DESIGN MANAGER APPROVAL | PROJECT MANAGER APPROVAL

DRAFTING CHECK | ENGINEERING REVIEW

TITLE
OUTFALL EXAMPLE TYPE 3
COMBINED HIGH FLOW AND EDD CONTROL STRUCTURE (PLAN VIEW)
SHEET 1 OF 2

PROJECT DATUM | Original Size | SCALE

MELBOURNE WATER CORPORATION

CODE | MWC DRAWING NUMBER 7251/12/4006 | REV A