NOTE:

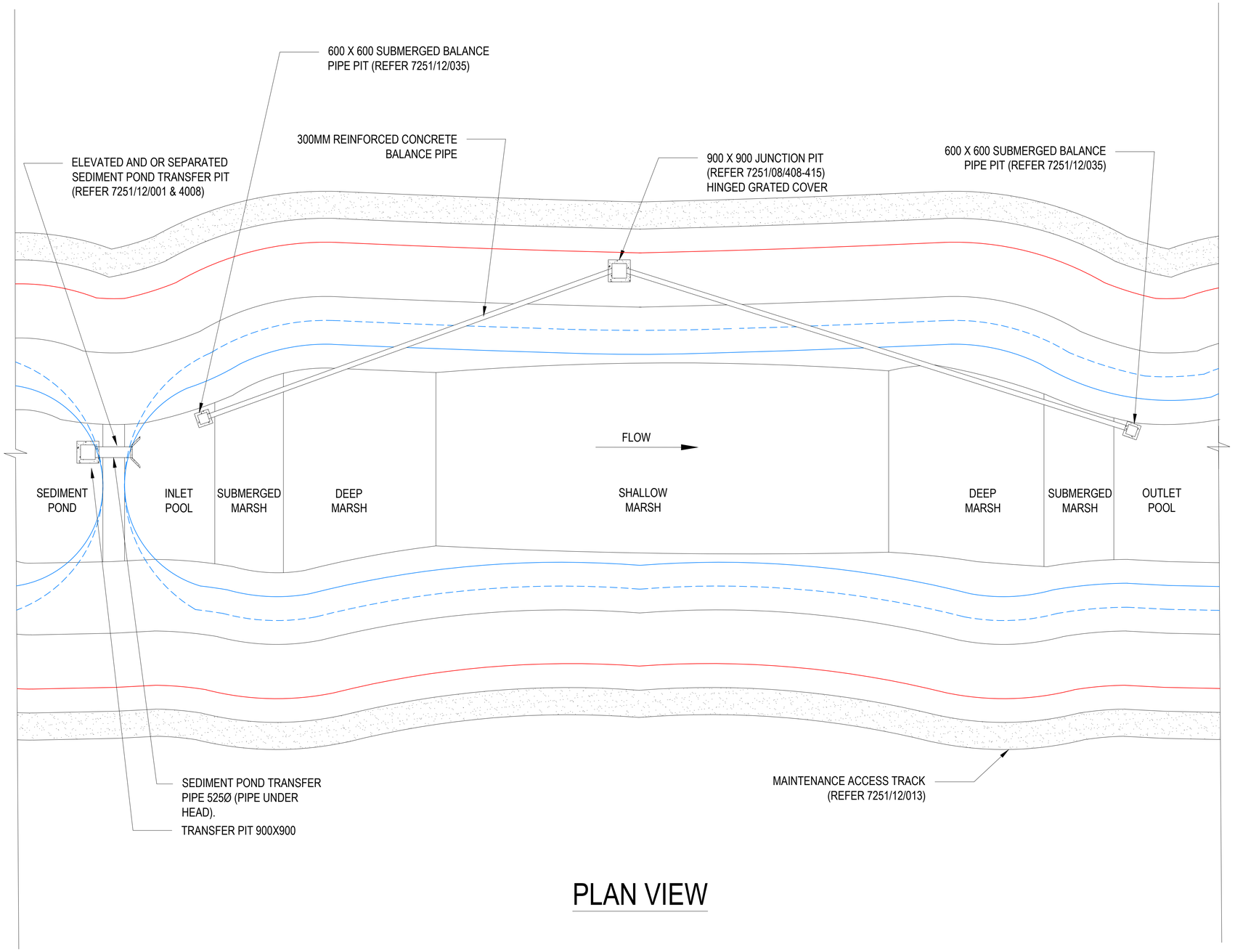
- EXAMPLE WORKS IF THERE IS NO INTERMEDIATE POOL.
- EXAMPLE WORKS IF THE OUTLET POOL HAS THE SAME INVERT LEVEL OR IS DEEPER THAN THE INLET POOL.
- SUBMERGED PITS ARE TO BE LOCATED AT THE LOWEST POINT OF THE WATER BODY, WITH THE BASE OF THE NOTCH OR TOP OF THE PIT NO HIGHER THAN 300MM FROM THE DEEPEST INVERT LEVEL OF THE POOL.
- THE SUBMERGED OFFTAKE PITS CONNECTING TO THE TWIN CHAMBER OUTFALL PIT AND BALANCE PIPES IN CONJUNCTION WITH THE TWIN CHAMBER OUTFALL PIT ARE INTEGRAL FOR CONTROLLING THE EDD AND PROVIDING EFFECTIVE DRAWDOWN CAPABILITY.
- DRAWDOWN FROM THE TWIN CHAMBER OUTFALL PIT AVOIDS MULTIPLE PUMPING POINTS, DISTURBANCE OF VEGETATION, PUMP RELOCATION, HEALTH AND SAFETY ISSUES, MAINTENANCE, TIME AND COST.
- 600 X 600 BALANCE PIPE SUBMERGED PITS CAN BE PURCHASED AS PRECAST UNIT AND ALTERED (NOTCH CUT) ONSITE.
- THE 900MM X 900MM SUBMERGED OFFTAKE PIT (CONNECTING TO THE TWIN CHAMBER OUTFALL PIT) MUST BE BUILT INSITU 300MM ABOVE LOWEST IL OF THE POOL, THE CLAY LINER INTEGRITY MUST NOT BE COMPROMISED.
- SHOULD THE CONTRACTOR CHOOSE TO SINK THE PIT INTO THE CLAY LINER TO ACHIEVE 300MM FROM IL - CLAY LINER INTEGRITY MUST NOT BE COMPROMISED.
- THE LENGTH OF PIPE BETWEEN THE SUBMERGED OFFTAKE PIT CONNECTING INTO THE TWIN CHAMBER OUTFALL PIT AS WELL AS THE SEDIMENT POND TRANSFER PIPE & BALANCE PIPES MUST BE WATERTIGHT IN ACCORDANCE 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



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
BALANCE PIPE EXAMPLE TYPE 3
STEPPED SYSTEM (PLAN VIEW)
SHEET 1 OF 1

PROJECT DATUM | Original Size | MELBOURNE WATER CORPORATION
SCALE

CODE	MWC DRAWING NUMBER	REV
	7251/12/4018	A