



OPERATION

1. RAIN STARTS DURING LOW TIDE. PENSTOCK (4) OPENS. LOW FLOW TO TANK PENSTOCK (3) AND (2) CLOSED.
2. TANK FULL, PENSTOCK (4) CLOSES, PENSTOCK (3) OPENS AND DIVERTS CLEAN LOW FLOW TO OUTFALL.
3. HIGH TIDE RETURNS, PENSTOCK (2) OPENS, RELEASES STORED LOW FLOW WATER TO DEEP BAY WATER BODY, AFTER 4 HOURS OF RAINFALL.
4. TANK EMPTIED PENSTOCK (2) CLOSED, PENSTOCK (3) CLOSED, PENSTOCK (4) OPEN.

NOTE :

1. TANK VOLUME = VOLUME OF RAIN FROM 7mm/hr OVER 30mins + TIME OF FLOW FROM EXTREME POINT.
2. PENSTOCK OPERATION BY LEVEL CONTROL OF TANK WATER LEVEL AND TIDE.

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 Shenzhen Western Corridor
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Drawing Title
LOW FLOW DIVERSION
SCHEMATIC OF OPERATION

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