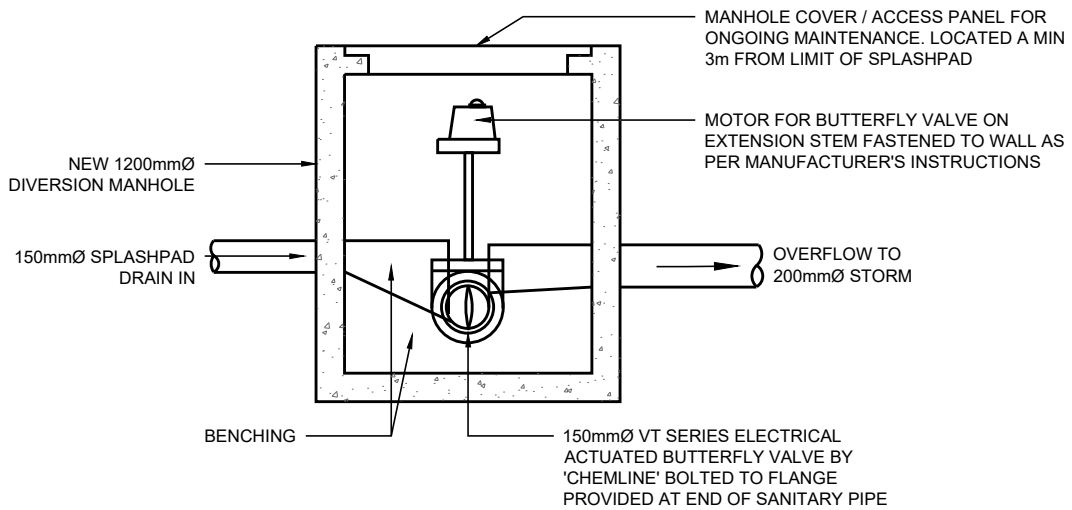
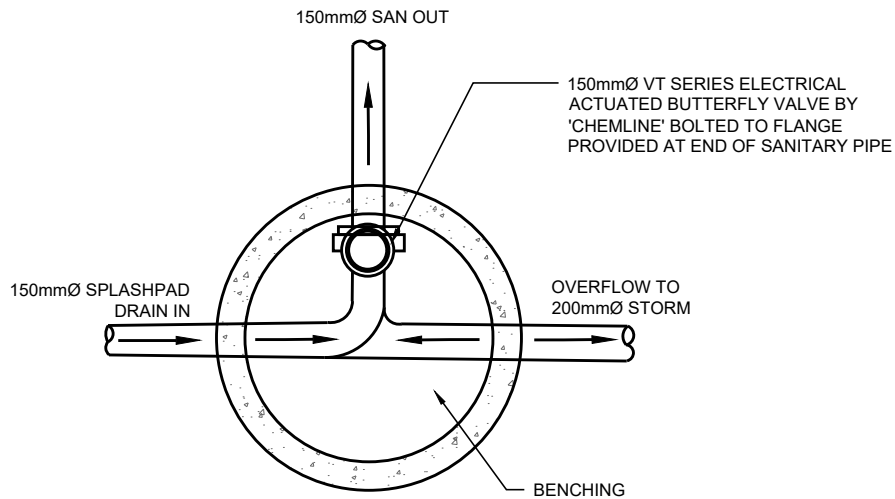


**DIVERSION VALVE NOTES:**

1. RAIN DIVERTER VALVE IN DIVERSION MANHOLE TO BE NORMALLY IN CLOSED POSITION.
2. RAIN DIVERTER VALVE TO BE CONNECTED TO SPLASH PAD CONTROLLER, AND VALVE OPENED WHEN SPLASH PAD BOLLARDS ARE ACTIVATED (THUS DIVERTING NON-STORM SPLASH PAD FLOWS TO SANITARY)
3. THE TIME DELAY FROM WHEN RAIN DIVERTER VALVE OPENS TO WHEN IT CLOSES IS TO BE DETERMINED ON SITE BASED ON TESTING OF THE SYSTEM. TIME DELAY IS TO ACCOUNT FOR DURATION OF WATER PLAY AFTER ACTIVATION AND TIME FOR WATER TO DRAIN PAST THE VALVE.
4. THE SENSOR SHALL BE 24AC OR DC COMPATIBLE. (REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CONNECTION, 4 ELECTRICAL LINES ARE REQUIRED (2 FOR POWER, 2 FOR SIGNAL)).
5. A VORTEX OPTICAL RAIN SENSOR KIT (OR APPROVED EQUAL) IS TO BE MOUNTED TO A POST AT LOCATION DETERMINED BY CONSULTING SPLASH PAD DESIGNER AND IN CONSULTATION PF&R.
6. RAIN SENSOR TO BE CONNECTED TO SPLASH PAD CONTROLLER AND SET TO DEACTIVATE SPLASH PAD BOLLARDS WHEN RAINING (TO PREVENT DISCHARGE OF STORMWATER TO SANITARY).
7. THE SENSOR SHALL BE SET TO A MEDIUM SENSITIVITY AT THE FACTORY (WHEN 2 TO 3 LARGE RAIN DROPS - BASED ON CAR WIPER CALCULATIONS OF 0.25 INCHES OF RAIN PER HOUR). THE SEQUENCE GETS INTERRUPTED WITH ACCESS PANEL / MANHOLE COVER AND STOPS THE SPLASH PAD FROM BEING ACTIVATED FOR AT LEAST 2 MINUTES AND 10 SECONDS. IF IT KEEPS RAINING THIS INTERRUPTION WILL CONTINUE BUT IF IT STOPS, THE SYSTEM WILL RESET AND RE-ALLOW ACTIVATION ON DEMAND VIA BOLLARDS.
8. PRECAST MANHOLE SHALL BE INSTALLED AT THE DEPTH TO MEET SLOPE OF STORM AND SANITARY PIPES AFTER SPLASH PAD DRAIN. SHOP DRAWINGS REQUIRED.
9. MANHOLE SHALL BE FITTED WITH AN ACCESS PANEL / MANHOLE COVER FOR LONG TERM MAINTENANCE OR MANUAL OVERRIDE ACCESS PANEL SHALL BE IN A LOCATION THAT IS PROTECTED FROM PUBLIC ACCESS AND SHALL HAVE HEAT RESISTANT COATING.
10. SPLASH PAD ACTIVATOR BOLLARD SHALL BE SURFACE MOUNT BY KNILL FABRICATION LTD. (OR APPROVED EQUAL) TO INCLUDE PUSH BUTTON ACTIVATOR 'GENERAL TRAFFIC EQUIPMENT PB-3ADA-YELLOW' AND PLASTIC BASE BOOT.
11. STORM SEWER TO BE INFILTRATED ON SITE, SO AS TO MINIMIZE THE VOLUME DISCHARGED TO THE STORM SEWERS.



**DIVERSION MANHOLE SECTION VIEW**



**DIVERSION MANHOLE PLAN DETAIL**

PARKS, FORESTRY & RECREATION STANDARD DRAWING

REV 0 MAR 2021



**DIVERSION VALVE DETAIL**

**T-1130.012**

NTS SHEET 1