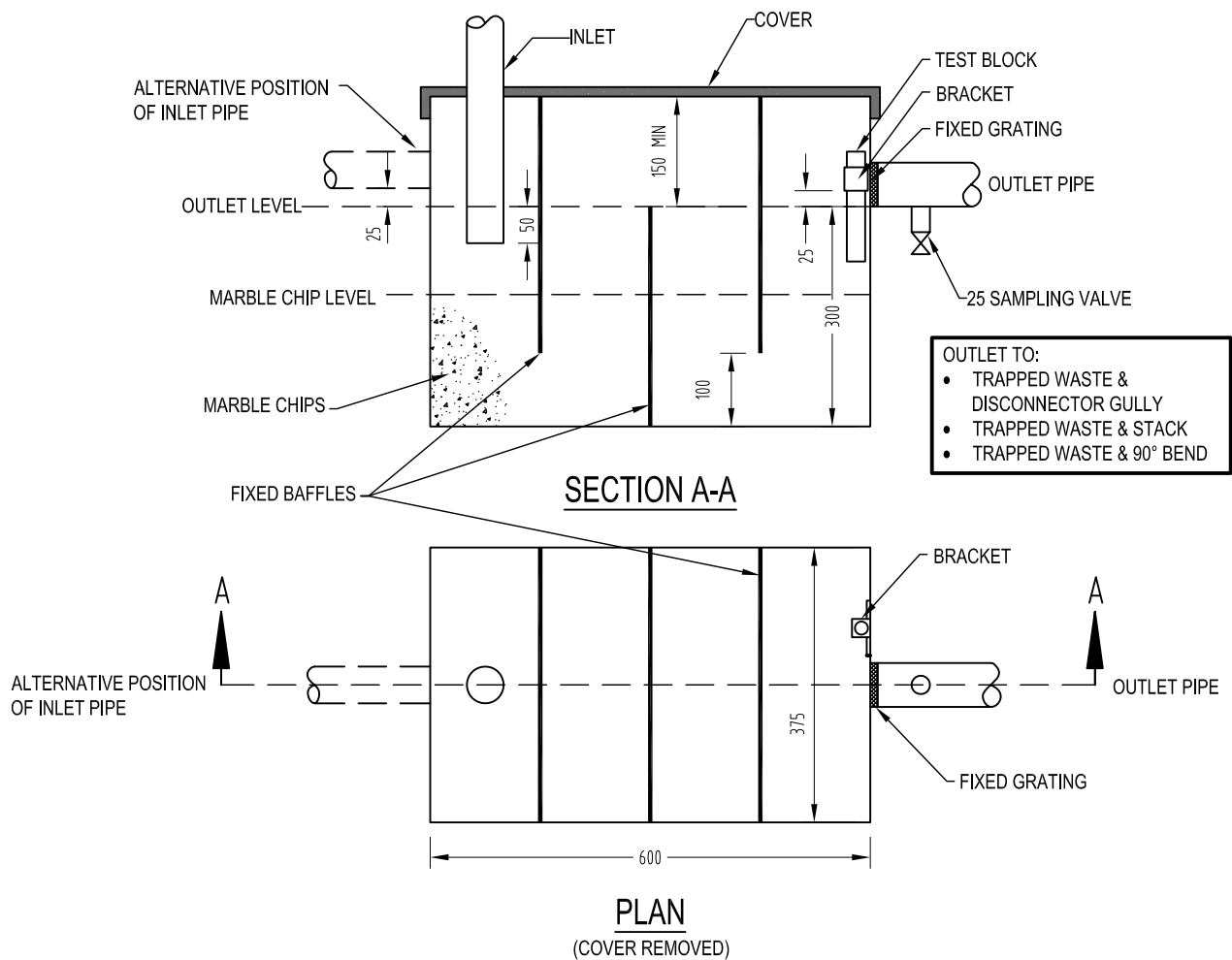


CWW PROJECT NUMBER:	MELWAY REFERENCE:	AUTHORISED:	CITY WEST WATER AUTHORIZED TO PROCEED:	REV. 0	DESCRIPTION ISSUED AS STANDARD DRAWING	DATE 08/09/10	APP'D
DESIGNED: B. VANOS	DATE: 19/06/06						
CHECKED:	DATE: / /						

ACID NEUTRALISING TANK



NOTE:

1. THE DIAMETER OF THE OUTLET PIPE SHALL BE AT LEAST ONE SIZE LARGER THAN THE INLET PIPE EXCEPT THAT WHERE THE DIAMETER OF THE INLET PIPE IS 100 THE DIAMETER OF THE OUTLET PIPE MAY BE 100.
2. THE TANK AND BAFFLES SHALL BE CONSTRUCTED OF 6mm (MIN) POLYVINYL CHLORIDE (P.V.C.) SHEET; 0.63 (MIN) ACID RESISTANT STAINLESS STEEL ALL WELDED CONSTRUCTION, OR OTHER APPROVED ACID AND ALKALI RESISTANT MATERIAL AND CONSTRUCTION METHODS.
3. THE THREE BAFFLES SHALL BE EQUALLY SPACED THROUGH THE TANK LENGTH.
4. 32X32X25 DEEP P.V.C. BRACKET TO BE FITTED AS CLOSE AS PRACTICABLE TO THE OUTLET.
5. 150X25X25 CEMENT MORTAR TEST BLOCK TO BE SUPPLIED AND FITTED BY CITY WEST WATER, IF REQUIRED.
6. SIZE OF MARBLE CHIPS SHALL BE WITHIN THE RANGE OF 40mm - 60mm.
7. THE CAPACITY OF THE TANK BELOW THE INVERT LEVEL OF THE OUTLET PIPE SHALL BE AS SPECIFIED BY CITY WEST WATER. THE CAPACITY OF THE TANK SHOWN ABOVE IS THE MINIMUM REQUIREMENT OF 27 LITRES BETWEEN MARBLE CHIP LEVEL AND OUTLET LEVEL.
8. THE TANK MUST BE CONSTRUCTED, INSTALLED AND CONNECTED IN ACCORDANCE WITH THE RELEVANT PLUMBING REGULATIONS.
9. TANK TO BE LOCATED IN A POSITION SO AS TO PROVIDE READY ACCESS FOR FITTING THE CEMENT MORTAR TEST BLOCK, MAINTENANCE OR REPLACEMENT OF MARBLE CHIPS AND OBTAINING SAMPLES FROM THE SAMPLING VALVE.
10. THE APPLICATION OF THIS TREATMENT IS LIMITED AND IS ONLY APPLICABLE FOR SOME WASTE TYPES. TRADE WASTE TREATMENT REQUIREMENTS SHOULD BE DISCUSSED WITH CITY WEST WATER TRADE WASTE CONSULTANT PRIOR TO INSTALLATION TO DETERMINE APPROPRIATE TREATMENT.
11. WHERE THE UNIT IS TO BE LOCATED BELOW GROUND LEVEL:-
 - a. THE UNIT SHALL BE SURROUNDED WITH 100 MIN CONCRETE WALLS AND BASE.
 - b. THE 25 SAMPLING VALVE SHALL BE OMITTED.
 - c. THE OUTLET LEVEL SHALL BE NOT GREATER THAN 600 BELOW GROUND LEVEL.
 - d. THE OUTLET SHALL BE CONNECTED TO A DISCONNECTOR GULLY FITTED WITH AN APPROVED OVERFLOW GRATE OR BRASS SCREWED CAP.
 - e. THE OUTLET PIPE DIAMETER SHALL NOT BE LESS THAN 100.
12. ALL DIMENSIONS ARE IN MILLIMETRES.