



NOTES

1. BACKWATER VALVES SHALL BE INSTALLED ONLY IN THAT BRANCH OR SECTION OF THE DRAINAGE SYSTEM WHICH RECEIVES THE DISCHARGE FROM FIXTURES WITH FLOOD LEVEL RIMS LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE COVER OF THE PUBLIC SEWER.
2. BACKWATER VALVES SHALL REMAIN SUFFICIENTLY OPEN DURING PERIODS OF LOW FLOWS TO AVOID SCREENING OF SOLIDS AND SHALL NOT RESTRICT CAPACITIES OR CAUSE EXCESSIVE TURBULENCE DURING PEAK LOADS.
3. BACKWATER VALVES SHALL HAVE CAST IRON, PLASTIC OR BRASS BODIES, NON-CORROSIVE BEARINGS, SEAT AND SELF-ALIGNING DISCS, AND SHALL BE SO CONSTRUCTED AS TO ENSURE A POSITIVE MECHANICAL SEAL AND TO REMAIN CLOSED, EXCEPT WHEN DISCHARGING WASTE.
4. VALVE ACCESS COVERS SHALL BE OF THE BOLTED TYPE, WITH GASKET AND EACH VALVE SHALL BEAR THE MANUFACTURER'S NAME CAST INTO THE BODY AND COVER.
5. BACKWATER VALVES SHALL BE LOCATED WHERE THEY WILL BE ACCESSIBLE FOR INSPECTION, PERIODIC MAINTENANCE AND REPAIR AT ALL TIMES, AND UNLESS CONTINUOUSLY EXPOSED, SHALL BE ENCLOSED IN A MASONRY PIT, FITTED WITH AN ADEQUATELY SIZED REMOVABLE COVER.

Drawn By: David Funk

6-06-01

CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS

BACKWATER VALVE

APPROVED BY:

[Signature]
CITY ENGINEER

11/14/01
DATE

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