


NOTES:

1. LOWER BAFFLE WALL TO DIVIDE VAULT INTO TWO APPROXIMATELY EQUAL SIZE CELLS. UPPER BAFFLE SET AT 25% OF VAULT SURFACE AREA (10' MINIMUM FROM HEADWALL.)
2. MINIMUM ONE ACCESS MANHOLE PER CELL WITH AT LEAST ONE ACCESS PER 50' VAULT LENGTH OR WIDTH.
3. PROVIDE WATER STOP AT ALL CAST-IN-PLACE CONSTRUCTION JOINTS. PRE-CAST VAULTS SHALL HAVE APPROVED RUBBER GASKET SYSTEM.
4. VAULT SHALL BE DESIGNED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER. VAULT SHALL BE DESIGNED FOR HS-20 TRAFFIC LOADINGS, MINIMUM.
5. ALL METAL PARTS SHALL BE CORROSION RESISTANT.
6. GRAVITY DRAIN SHOULD BE SIZED TO EMPTY VAULT IN 4 HOURS.
7. PUMP STANDPIPE REQUIRED IF VAULT IS NOT EQUIPPED WITH GRAVITY DRAIN. TO ENABLE VAULT TO BE DRAINED FOR MAINTENANCE OPERATIONS, ONE STANDPIPE IS REQUIRED FOR EVERY 35,000 CF OF DEAD STORAGE. SEE SUMP WITH RISER PIPE DETAIL.
8. PROVIDE LADDER RUNGS IMMEDIATELY ADJACENT TO ALL INLET/OUTLET PIPES.
9. ALL INLETS MUST DISCHARGE UPSTREAM OF UPPER BAFFLE.
10. IF PROPOSED COVER IS GREATER THAN 1', THEN IT MUST BE 2.5' MINIMUM AND ACCESS MUST BE 48" ECCENTRIC CONE, SET OVER 24" DIAMETER ACCESS OPENING.

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|  | <h1 style="margin: 0;">City of Bellevue</h1> | <p>SURFACE WATER UTILITY</p> |
| <p>TITLE</p> <p style="font-size: 1.2em; margin: 0;">COMBINED VAULT (DETENTION AND RUNOFF TREATMENT)</p> | | |