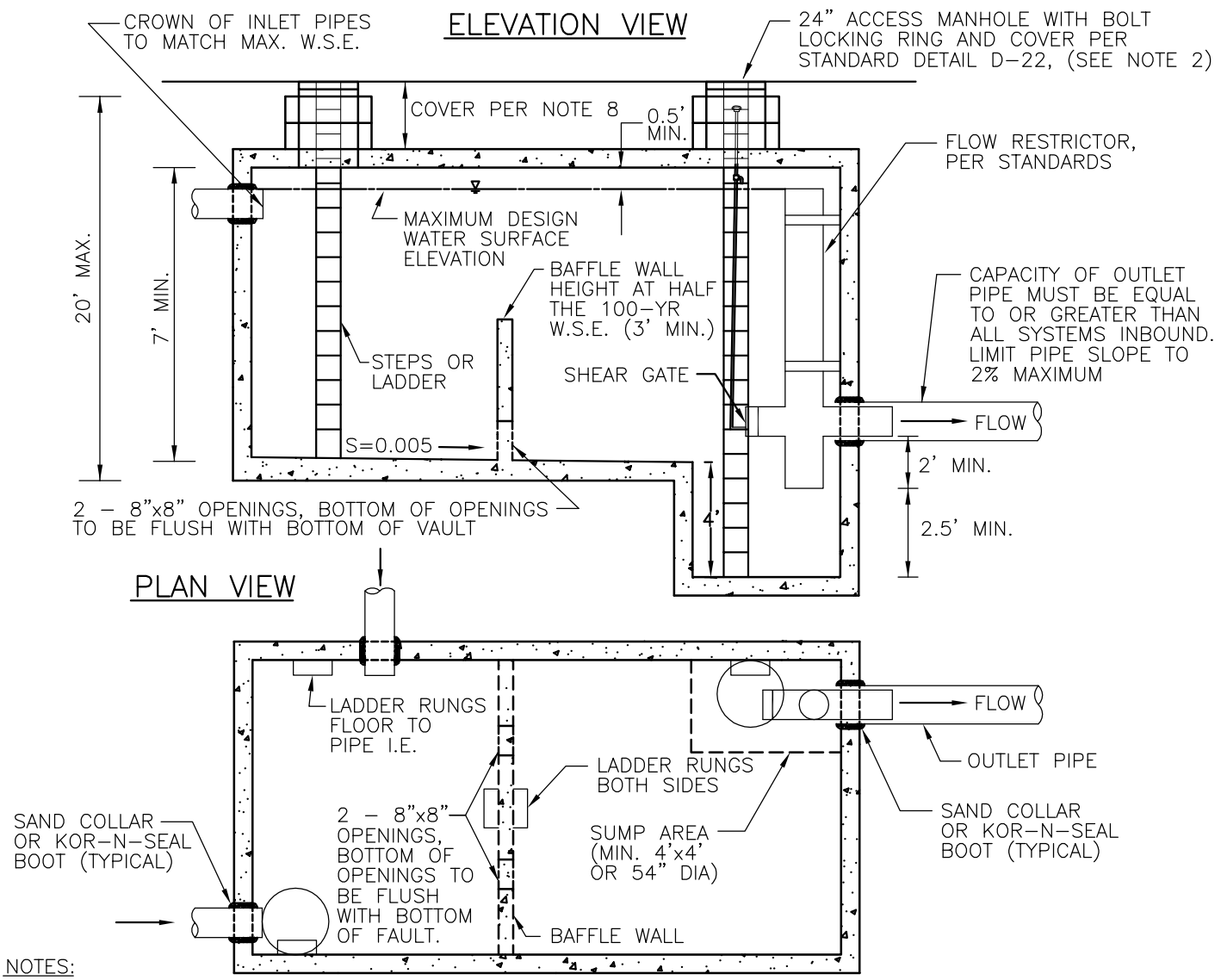

NOTES:

1. BAFFLE WALL TO DIVIDE VAULT INTO TWO APPROXIMATELY EQUAL SIZE CELLS.
2. MINIMUM ONE ACCESS MANHOLE PER CELL WITH AT LEAST ONE ACCESS PER 50' VAULT LENGTH OR WIDTH.
3. 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. PROVIDE LADDER RUNGS IMMEDIATELY ADJACENT TO ALL INLET/OUTLET PIPES.
7. ALL INLETS TO FIRST CELL.
8. IF PROPOSED COVER IS GREATER THAN 1', THEN IT MUST BE 3' MINIMUM AND ACCESS MUST BE A 48" ECCENTRIC CONE SET OVER A 24" DIAMETER ACCESS OPENING.
9. APPLY NON-SHRINK GROUT TO INSIDE AND OUTSIDE OF ALL JOINTS, RINGS, RISERS AND FRAMES.
10. ALL PIPES SHALL BE PREPENDICULAR TO FACE OF VAULT.
11. PENETRATE CARRIER PIPE THROUGH VAULT WALL.
12. USE APPROVED WATERTIGHT STRUCTURE ADAPTOR.
13. SLIP SMOOTH-BORE HORIZONTAL LEG OF FLOW CONTROL TEE INISIDE CARRIER PIPE.
14. NO FLOW CONTROL JOINT OUTSIDE OF STRUCTURE.
15. PRIOR TO STARTUP, DETENTION VAULT SHALL PASS 1% PER DAY LEAK TEST WHERE A MAXIMUM OF 1% WATER LOSS IS ALLOWED WITHIN A 24-HOUR PERIOD WITH VAULT FILLED TO 2-YEAR STORM ELEVATION. TEST PER THE 2009 UNIFORM PLUMBING CODE 712.2.

JANUARY 2013 NO SCALE

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

DETENTION VAULT

NO. D-32