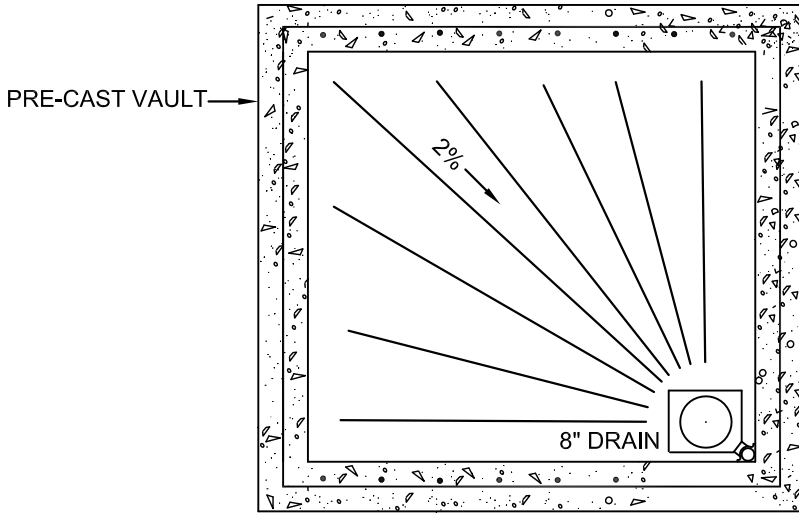
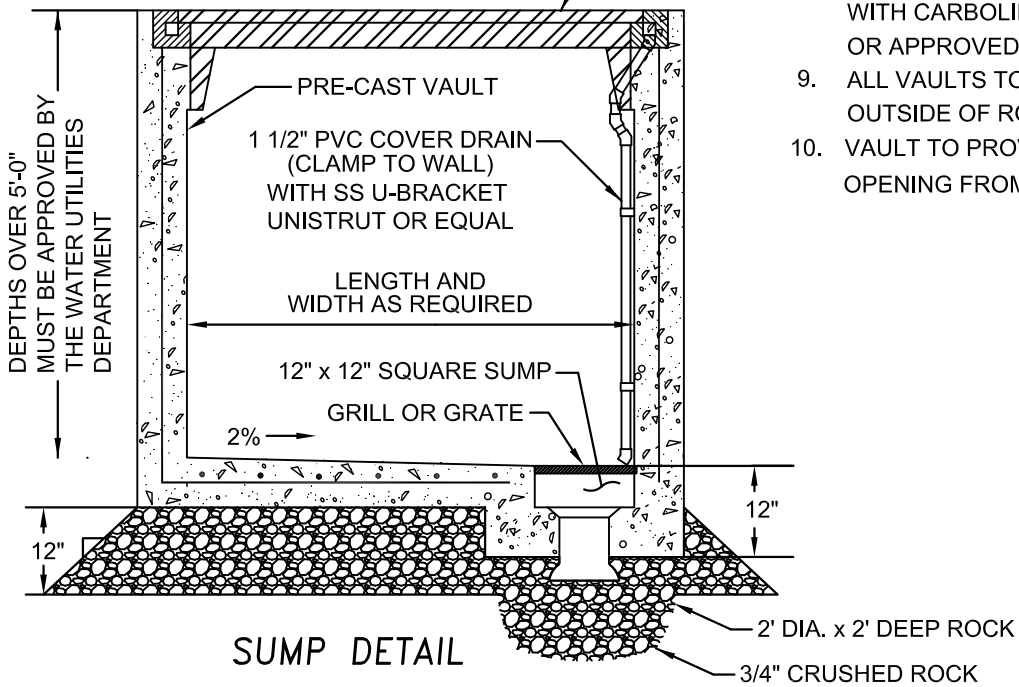


TOP VIEW



FULL OPENING BILCO OR USF LID SIZE AS REQUIRED
COVER W/FRAME DETAIL (PER W-20)



**SUMP DETAIL
SIDE VIEW**

GENERAL NOTES

1. CONSTRUCT DRAIN FOR VAULTS IN WET LOCATIONS. SUMP FOR DRY AREAS.
2. USE STANDARD CAST FLOOR DRAIN W/GRILL COVER PLATE.
3. PLACE SUMP OR DRAIN IN LOWEST CORNER.
4. FINISH FLOOR SHALL HAVE A NEGATIVE SLOPE TOWARD SUMP OR DRAIN (2%).
5. GUARD POSTS PER W-3 AS REQUIRED.
6. FILL "PICKHOLES" WITH NON-SHRINK EPOXY GROUT.
7. COAT INTERIOR OF VAULT WITH SANCON 100 OR ZEBRON.
8. WATERPROOF EXTERIOR WITH CARBOLINE BITUMASTIC OR APPROVED EQUAL.
9. ALL VAULTS TO BE LOCATED OUTSIDE OF ROADWAY.
10. VAULT TO PROVIDE CLEAR OPENING FROM WALL TO WALL.

1. ALL VAULTS, MANHOLES, PITS, ETC. SHALL BE DESIGNED PER ALL CURRENT APPLICABLE CODES AND REGULATIONS: TITLE 8, CALIFORNIA CODE OF REGULATIONS, CAL/OSHA, ANSI, ETC. FOR "CONFINED SPACE" AND "FALL PROTECTION".
2. ALL VAULTS, MANHOLES, PITS, ETC. SHALL BE CERTIFIED AT THE TIME OF CONSTRUCTION THAT THEY MEET ALL CURRENT APPLICABLE CODES AND REGULATIONS FOR "CONFINED SPACE" AND "FALL PROTECTION".
3. EACH VAULT SHALL BE DESIGNED AND SUBMITTED FOR APPROVAL BY THE WATER UTILITIES DEPARTMENT ON A CASE-BY-CASE BASIS.

Revision	By	Approved	Date
10/16/02	DW		
07/14/04	AC		
06/04/07	AC		
01/04/16	MU		
07/01/17	SM		08/01/17

CITY OF OCEANSIDE

STANDARD VAULT

Steven E. Strapac 9/17/17
CITY ENGINEER Date

STANDARD DRAWING NO. **W-19**