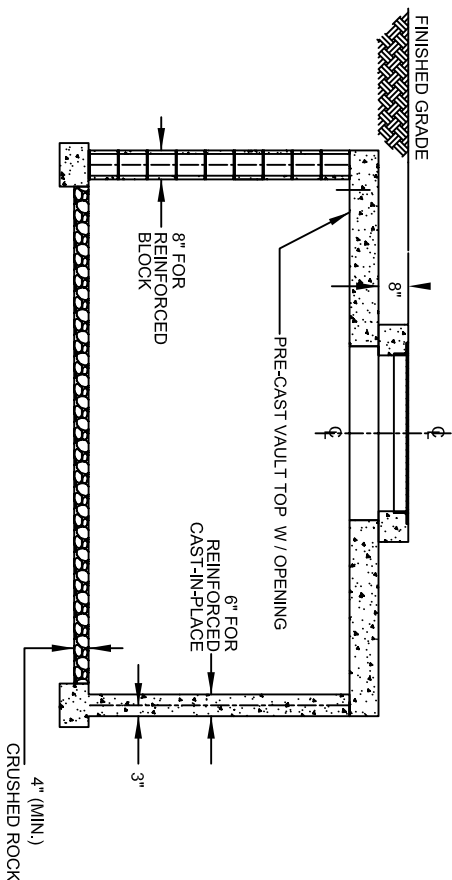


VAULT SECTION X-X

VAULT INSIDE DIMENSION TABLE *			
METER SIZE	3"	4"	6"
(A) SIZE	8'-4"	10'-6"	12'
(B) SIZE	4'-4"	5'	6'
DOOR SIZE	S 42"x42"	S 42"x42"	D 36"x60"

DOOR TYPE: S = SINGLE TORSION DOOR
D = DOUBLE TORSION DOOR

*THESE VAULT SIZES AND SLOT CONFIGURATIONS MAY NOT BE SUITABLE FOR ALL METER APPLICATIONS. ADDITIONAL MODIFICATIONS TO VAULT SIZES MAY BE NECESSARY.



VAULT SECTION Y-Y

W-500 NOTES

NOTE: DO NOT PERFORM ANY IN THE FIELD VAULT PLACEMENT BEFORE CONTACTING AND COORDINATING NECESSARY WORK WITH THE WSD, DISTRIBUTION AND COLLECTIONS FIELD DIVISION @ 602-261-8000.

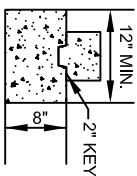
PRE-CAST REINFORCED VAULTS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE "UTILITY VAULT COMPANY", 3.4.6, & 8-INCH WATER METER VAULTS FOR THE CITY OF PHOENIX OR AN APPROVED EQUAL DESIGN.

CAST-IN PLACE REINFORCED VAULTS SHALL BE CONSTRUCTED USING CLASS "A" CONCRETE WITH #5 REBAR, 6-INCHES ON CENTER EACH WAY (CONCRETE SHALL CONFORM TO MAG SPEC. 725).

BLOCK MASONRY REINFORCED VAULTS SHALL BE CONSTRUCTED USING SOLID GROUTED WALLS WITH #4 REBAR IN EVERY OTHER CELL (GROUT SHALL CONFORM MAG SPEC. 776).

THE WATER METER VAULT SHALL INCLUDE THE FOLLOWING FEATURES:

- * VAULT TOP SHALL INCLUDE FOUR (4) EXPOSED PULL IRONS FOR SETTING TOP.
- * SPRING ASSIST TORSION DOORS SIZED PER TABLE WITH:
 1. H-20 WHEEL LOADED LID
 2. RECESSED LIFT HANDLE.
 3. PENTAHEAD BOLT LOCKING ASSEMBLY (FLUSH FIT) OR RECESSED LOCKING HASP.
- * THE PIPE SLOT AT BOTH ENDS OF THE VAULT SHALL BE SEALED, BLOCKING THE SLOT WITH A SUITABLE MATERIAL TO THE BOTTOM OF THE WATER PIPE, AND THEN WRAPPING THE PIPE WITH 30# FELT AND FINISHING WITH NON SHRINK MORTAR PRIOR TO BACKFILLING AND COMPACTING.
- * A VAULT INSTALLATION EXCEEDING SEVEN (7) FEET IN INSIDE DEPTH SHALL INCLUDE AN OSHA APPROVED FIXED IN PLACE ALUMINUM LADDER WITH A PULL-UP EXTENSION TO THREE (3) FEET ABOVE THE TOP OF THE VAULT.



FOOTER DETAIL
FOOTING FOR CAST-IN-PLACE OR BLOCK MASONRY VAULT

Amiee D. Conway 1/5/2006

WSD, DISTRIBUTION & COLLECTIONS
ENGINEERING SUPERINTENDENT

DATE

CITY OF PHOENIX, ARIZONA
WATER SERVICE DEPARTMENT

DETAIL "W-500"
3" 4" 6" & 8"
WATER METER VAULT

DRAWN BY: WAL	DATE: JANUARY 3, 2006
Q.S. NO.	SCALE: NO SCALE
I:\DATA\ACADDWG\STCHSUP\3_4_6&8METERVAULT.DWG	DATE:
REVISED BY:	DATE: