

PRV VAULT DIMENSION AND REINFORCING SCHEDULE

PIPE SIZE (IN)	STANDARD PRV VAULT DIMENSIONS				TOP THICKNESS				WALL REINFORCING			
	WITH PROPELLER METER AND NO BYPASS		WITH MAGNETIC FLOW METER AND BYPASS		TRAFFIC		NONTRAFFIC		WITHOUT BYPASS		WITH BYPASS	
	L"	W"	L"	W"	L(t)	W(t)	L(t)	W(t)	L"	W"	L"	W"
6	10'-6"	5'-6"	11'-8"	8'-0"	10'-6"	5'-6"	14'-6"	8'-0"	15'-8"	8'-6"	1'-0"	1'-0"
8	10'-6"	5'-8"	12'-0"	8'-2"	10'-6"	5'-8"	15'-4"	8'-2"	16'-2"	8'-8"	1'-0"	1'-0"
10	10'-6"	5'-10"	13'-0"	8'-4"	10'-6"	5'-10"	17'-4"	8'-4"	17'-4"	8'-10"	1'-0"	1'-0"
12	10'-6"	6'-0"	13'-8"	8'-6"	12'-8"	6'-0"	19'-0"	8'-6"	18'-4"	9'-0"	1'-0"	1'-0"
14	10'-6"	6'-2"	14'-9"	8'-8"	14'-3"	6'-2"	21'-6"	8'-8"	20'-2"	9'-2"	1'-0"	1'-0"
16	10'-6"	6'-4"	15'-4"	8'-10"	16'-6"	6'-4"	24'-2"	8'-10"	21'-0"	9'-4"	1'-0"	1'-2"

GENERAL NOTES:

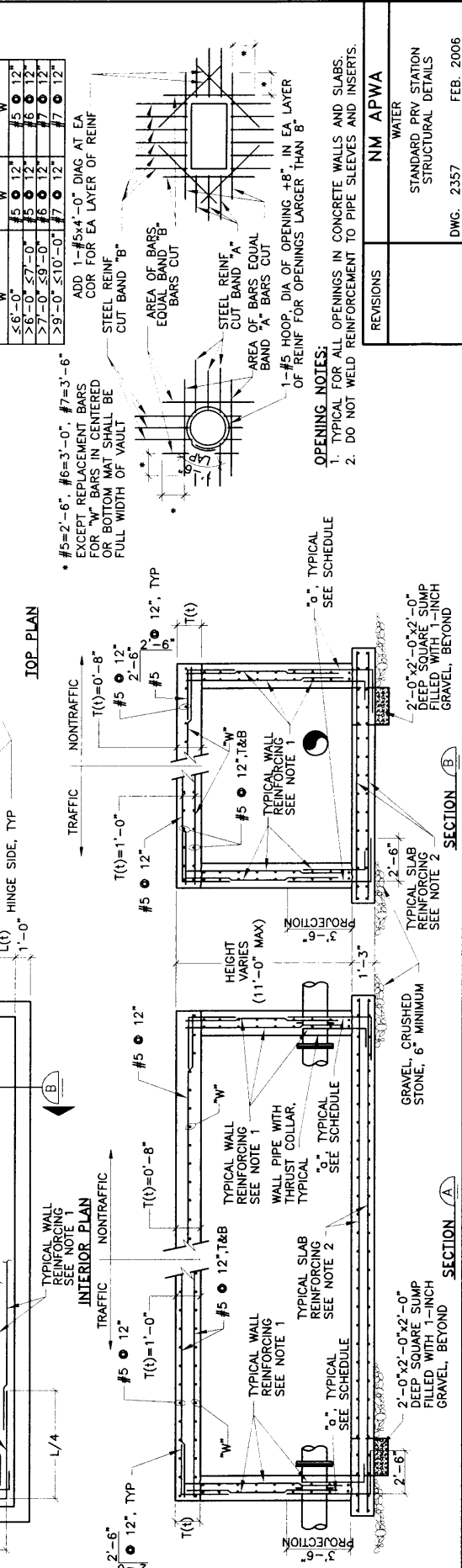
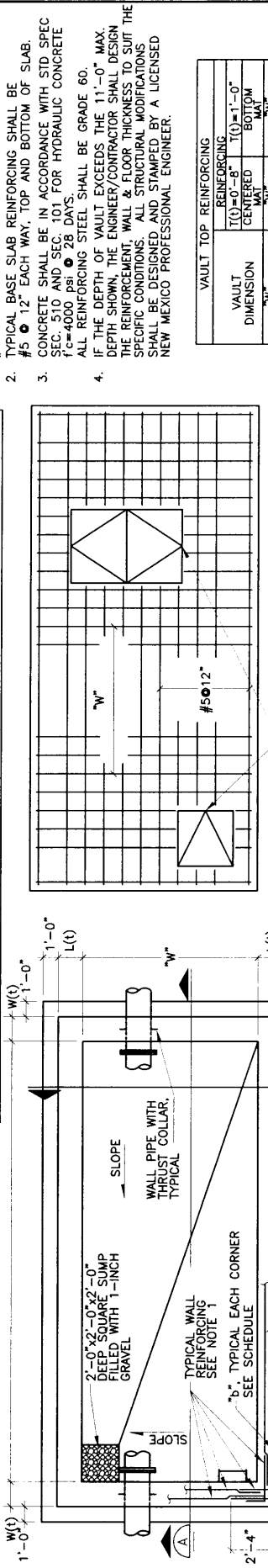
- TYPICAL WALL REINFORCING SHALL BE #5 @ 12" O.C. EACH WAY, EACH FACE UNLESS SHOWN OTHERWISE ON THE SCHEDULE. PROVIDE BARS AS INDICATED ON THE SCHEDULE AND LAP W/ #5 @ 12" FOR REMAINDER OF WALL HT. OR LENGTH.
- TYPICAL BASE SLAB REINFORCING SHALL BE #5 @ 12" EACH WAY, TOP AND BOTTOM OF SLAB.
- CONCRETE SHALL BE IN ACCORDANCE WITH STD SPEC SEC. 510 AND SEC. 101 FOR HYDRAULIC CONCRETE f'c=4000 psi @ 28 DAYS.
- ALL REINFORCING STEEL SHALL BE GRADE 60.

WALL REINFORCING NOTES:

- a" = BAR DESIGNATION REPRESENTS WALL DOWELS PROTRUDING VERTICALLY FROM BASE SLAB ALONG LENGTHWISE DIMENSION L' OR WIDTH DIMENSION W".
- b" = BAR DESIGNATION REPRESENTS ADDITIONAL HORIZONTAL WALL CORNER REINFORCING.

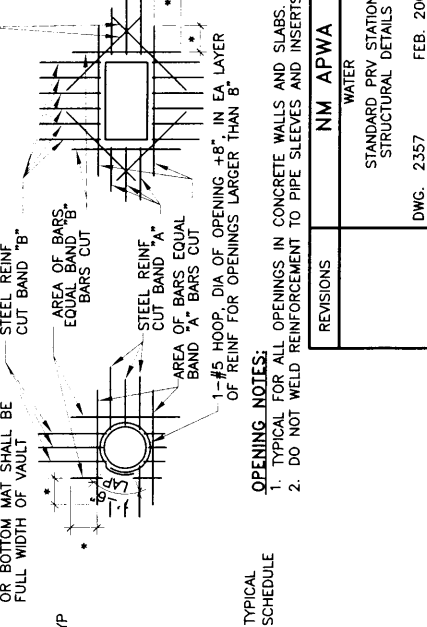
DIMENSIONAL NOTES:

L' = VAULT LENGTH
 W' = VAULT WIDTH
 L(t) = WALL THICKNESS(LENGTH)
 W(t) = WALL THICKNESS(WIDTH)
 T(t) = TOP SLAB THICKNESS



VAULT DIMENSION	REINFORCING
T(t)=0'-8"	T(t)=1'-0"
W"	W"
≤6'-0"	#5 @ 12"
>6'-0" ≤7'-0"	#5 @ 12"
>7'-0" ≤9'-0"	#6 @ 12"
>9'-0" ≤10'-0"	#7 @ 12"
>10'-0"	#7 @ 12"

ADD 1-#5x4'-0" DIAG AT EA COR FOR EA LAYER OF REINF CUT BAND "B"



OPENING NOTES:

- TYPICAL FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS.
- DO NOT WELD REINFORCEMENT TO PIPE SLEEVES AND INSERTS.

REVISIONS	DATE	BY
		NM APWA

STANDARD PRV STATION STRUCTURAL DETAILS

DWG. 2357 FEB. 2006