

"P"	"Q"	"R"	"L"	"M"	"N"
8"	6'-0"	6'-0"	#4@12"	#4@12"	#5@12"+2'-0" HK
8"	6'-0"	8'-0"	#4@12"	#4@12"	#5@12"+3'-0" HK
8"	6'-0"	10'-0"	#4@10"	#4@12"	#5@12"+3'-0" HK
8"	6'-0"	12'-0"	#4@10"	#4@12"	#5@12"+3'-0" HK
8"	8'-0"	8'-0"	#4@10"	#4@12"	#5@10"+3'-0" HK
8"	8'-0"	10'-0"	#4@8"	#4@12"	#5@8"+3'-0" HK
8"	8'-0"	12'-0"	#4@6"	#4@12"	#5@6"+4'-0" HK

NOTES:

- FOR VAULT DETAILS SEE DETAIL W/5.3.
- $f'_c = 4,000\text{PSI} @ 28 \text{ DAYS.}$
- $f_y = 60,000\text{PSI.}$
- VAULTS ARE DESIGNED FOR THE FOLLOWING CONDITIONS:
 - H₂O LOADING AND 1'-0" COVER PLUS IMPACT (WATER TABLE 4'-0" BELOW FINISHED GRADE)
 - 5'-0" COVER PLUS 2'-0" SURCHARGE (WATER TABLE 4'-0" BELOW FINISHED GRADE)
- CONTRACTOR MAY USE PRECAST VAULTS SEE THE FOLLOWING:
 - SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.
 - PRECAST VAULTS SHALL BE ONE PIECE UNIT FOR WALLS AND BOTTOM SLAB.
- PROVIDE RUBBER ANNUAL HYDROSTATIC SEALING FOR ALL PIPES THROUGH WALLS AND BOTTOM SLABS CONNECTIONS, SEE SPECIFICATIONS.
- FOR PIPING LAYOUTS AND OTHER REQUIREMENTS SEE DETAILS W/4.2, W/4.3, W/4.5, W/5.0, W/5.0b, W/5.0c, W/5.1, W/5.1a, W/10.0, W/12.0, W/14.0 AND W/14.0a.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: 9/28/16

Chief Engineer

STANDARD DETAIL

CAST IN PLACE
CONCRETE VAULTS NOTES

W
5.4