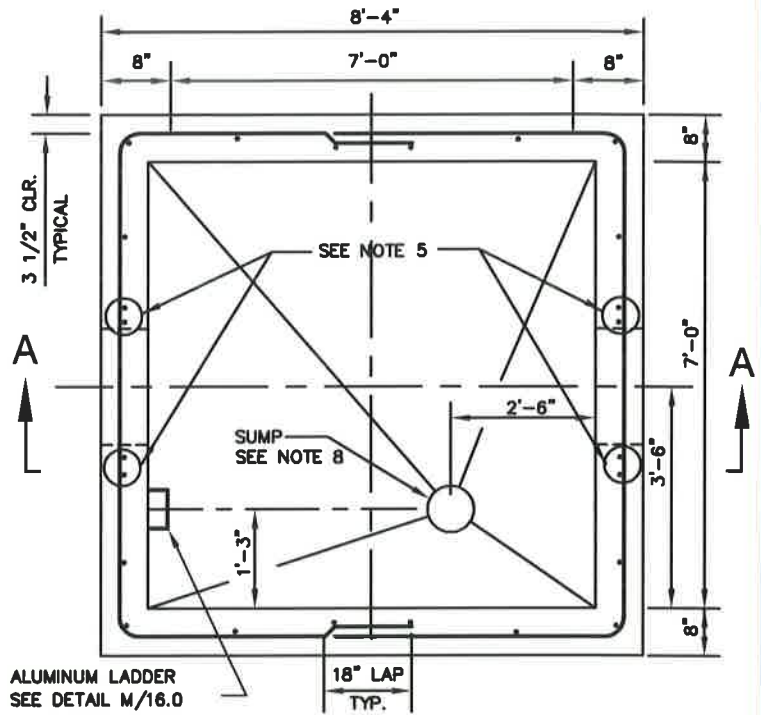


PLAN-TOP SLAB

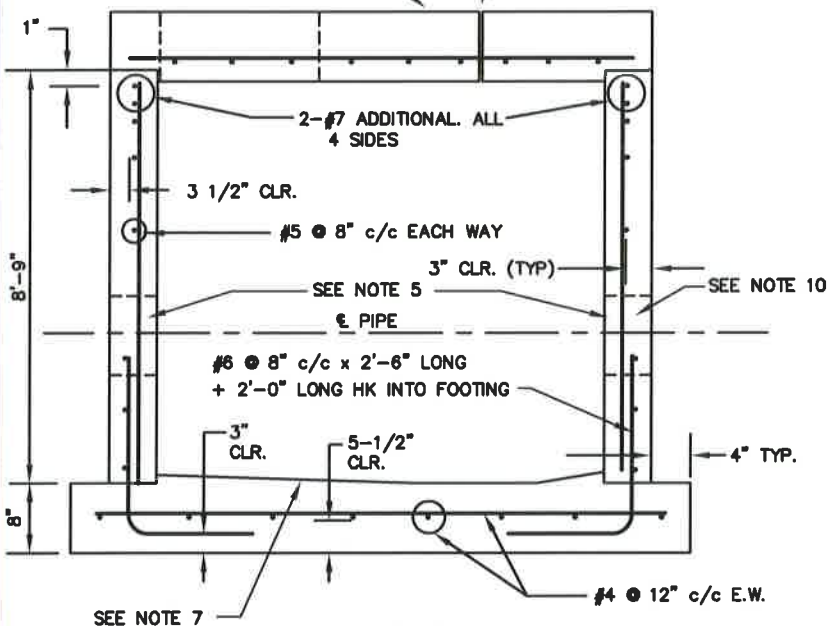


PLAN-TOP SLAB REMOVED

# CAST IN PLACE CONCRETE VAULT NOTES

TOP SLAB, SEE DETAIL W/5.2  
"Q"=7'-0" FOR THICKNESS  
& REINFORCING.

SLAB JOINTS  
SEE DETAIL  
W/5.5



SECTION A-A

1.  $f'_c = 4000$  PSI. @ 28 DAYS
2.  $f_y = 60,000$  PSI.
3. VAULTS ARE DESIGNED FOR THE FOLLOWING CONDITIONS
  - A. H<sub>2</sub>O LOADING & 1'-0" COVER + IMPACT (WATER TABLE 4'-0" BELOW FINISHED GRADE)
  - B. 5'-0" COVER & 2'-0" SURCHARGE. (WATER TABLE 4'-0" BELOW FINISHED GRADE)
4. PRECAST VAULT.
  - A. CONTRACTOR MAY USE PRECAST VAULTS, SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.
  - B. MONOLITHICALLY CASE WALLS AND BASE SLAB.
  - C. IF THE BOTTOM SLAB IS NOT SLOPED, PROVIDE MINIMUM 1" THICK CEMENT MORTAR WEARING COURSE SLOP TO SUMP @ 1/4"/LF.
5. PROVIDE ADDITIONAL #5 BAR 5'-0" LONG ON ALL SIDES OF ALL PIPES PASSING THROUGH WALLS.
6. PROVIDE 5"  $\phi$  HOLE IN TOP SLAB CENTERED OVER VALVE OPERATING NUTS. PROVIDE VALVE BOXES PER DETAIL W/5.5.
7. SLOPE BASE OF VAULT TO DRAIN @ 1/4"/LF.
8. FOR SUMP SEE DETAIL W/2.6.
9. FOR PIPING AND VALVE CONFIGURATION AND ADDITIONAL DETAILS, SEE DETAIL W/2.6
10. PROVIDE RUBBER ANNULAR HYDROSTATIC SEALING DEVICES FOR PIPE THROUGH WALL CONNECTIONS,

WASHINGTON  
SUBURBAN  
SANITARY  
COMMISSION

APPROVED:

9/28/16  
  
Chief Engineer

STANDARD DETAIL  
CAST IN PLACE  
CONCRETE VAULT FOR  
16-INCH AND 20-INCH  
VERTICAL VALVES

W  
2.7