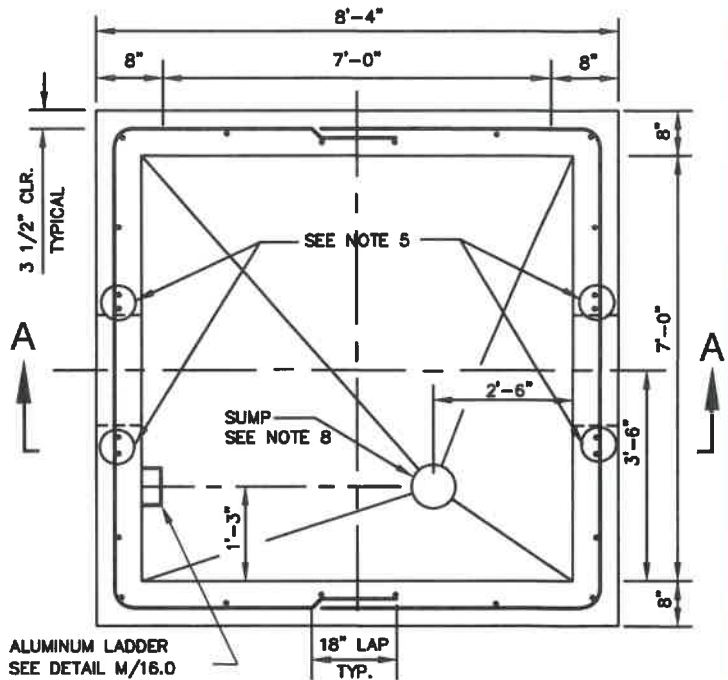


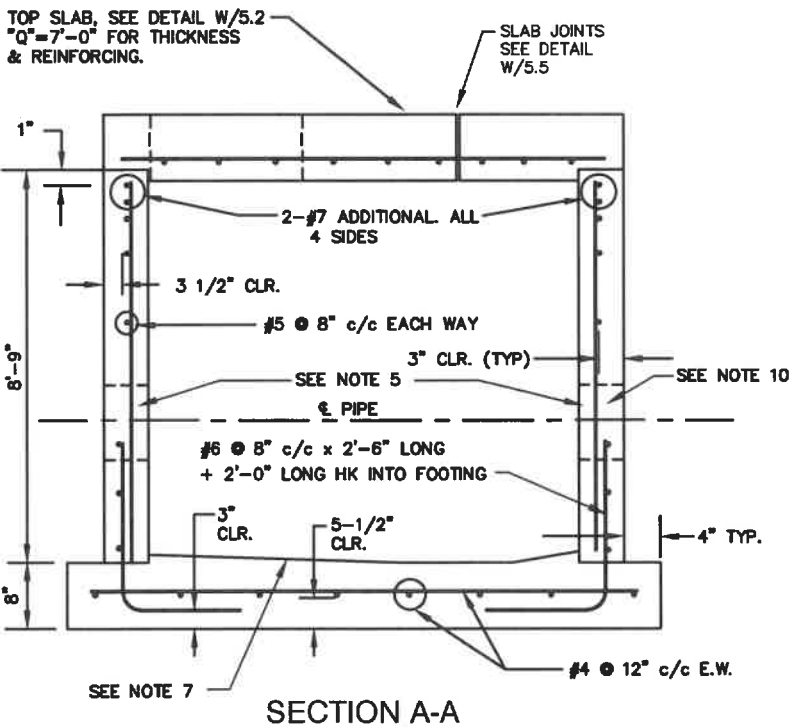
PLAN-TOP SLAB



PLAN-TOP SLAB REMOVED

CAST IN PLACE CONCRETE VAULT NOTES

1. $f'c = 4000$ PSI. ● 28 DAYS
2. $f_y = 60,000$ PSI.
3. VAULTS ARE DESIGNED FOR THE FOLLOWING CONDITIONS
 - A. H₂O 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" Ø 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,



SECTION A-A

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: 7-26-21
Mike Hammer
Chief Engineer

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

W
2.7