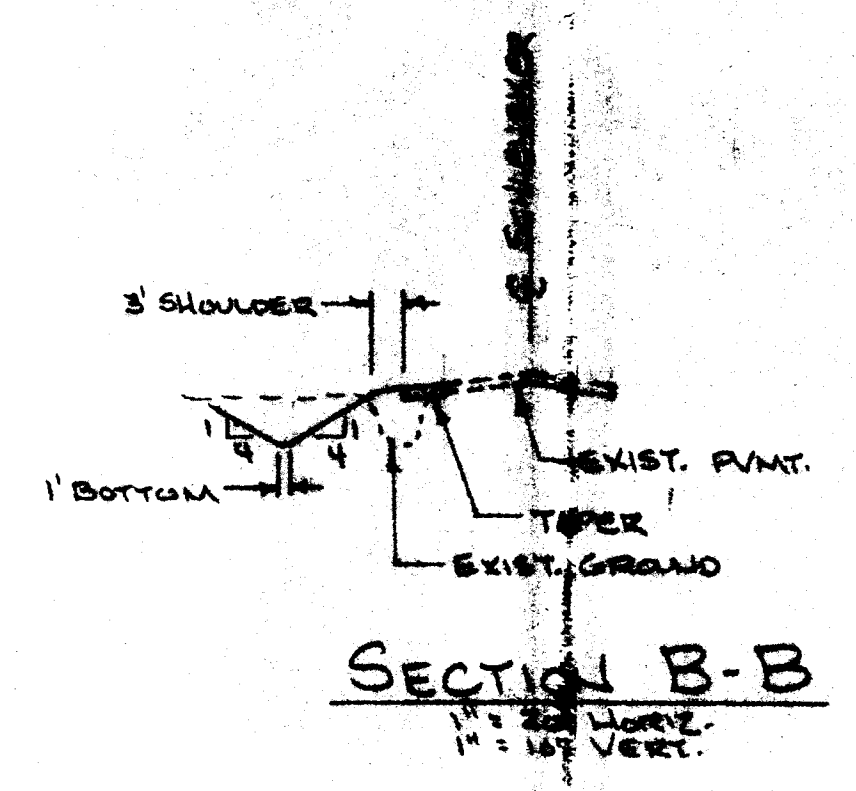
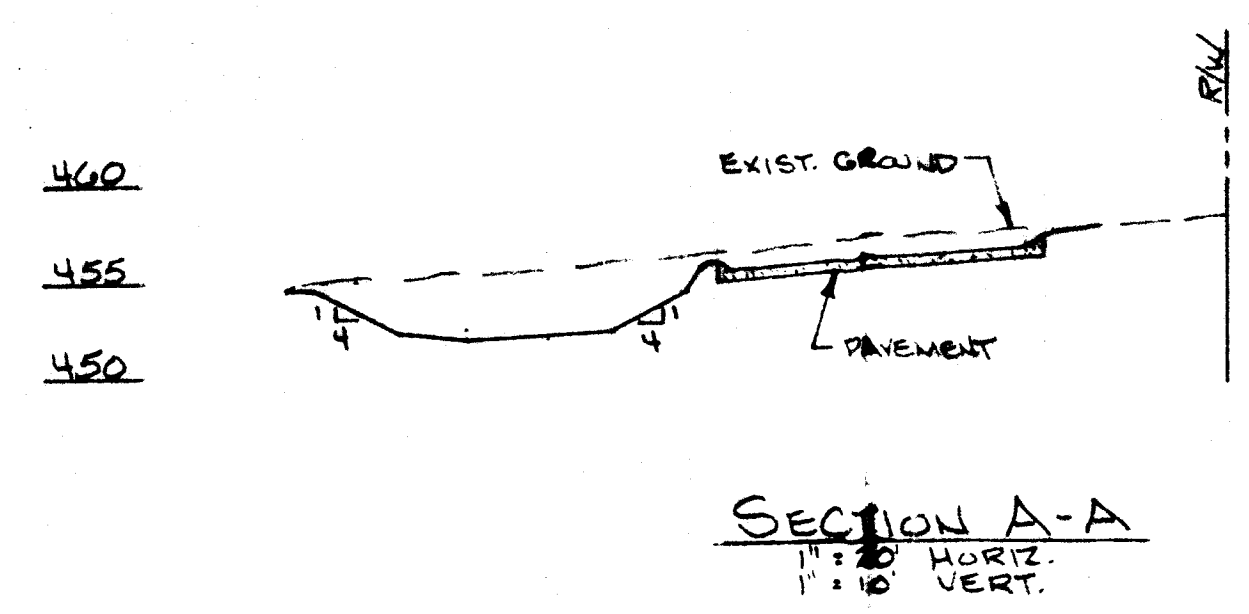


BASIN "A"
 OVERFLOW ELEV. 454.70
 25 YEAR HIGH WATER 454.20
 OUTLET ELEV. 452.20

VOLUME CAPACITY
 SURFACE AREA AT EL. 452.5 = 584 FT²
 SURFACE AREA AT EL. 454.2 = 1476 FT²
 AVG. SURFACE AREA = (584 + 1476) / 2 = 1030 FT²
 DEPTH 454.2 - 452.5 = 1.7 FT
 VOLUME = 1030 FT² X 1.7 FT = 1751 FT³ = 0.040 AC FT.



ASTORIA DETAILS

Billy T. Nicholson
 Billy T. Nicholson, L.S. IN No. 7964

Date 7/24/97