



PROPOSED 16" SIPHON SYSTEM
(NTS)

4" PVC VENT W/ SPACERS
 INV. EL: 1823.5'
 4" SCHE 40 PVC AIR VENT PIPING
 VALVE BOX W/ LOCKABLE COVER (SEE DETAILS)
 4" GATE VALVE
 4" GATE VALVE
 TOP OF DAM: 1827.0'
 4"x4"x4" SCHE 40 PVC TEE
 PIPE ANCHOR BLOCK
 INV. EL: 1820.50'
 16" PVC SDR 26
 22.5° BEND
 INV. EL: 1821.0'
 16"x16"x4" TEE
 16" PVC SDR 26
 22.5° BEND
 INV. EL: 1820.50'
 16" SPACING (MIN)
 16" PVC SDR 26
 BACKSLOPE OF DAM
 SOIL-BENTONITE CORE WALL
 SOIL-BENTONITE CORE WALL DETAILS (SEE SHEET C4)
 PIPE ANCHOR BLOCK (SEE DETAILS)
 16" SPACING (MIN)
 16" PVC SDR 26
 16" SPACING (MIN)
 16" PVC SDR 26
 16" SPACING (MIN)
 16" PVC SDR 26
 22.5° BEND
 TOE DRAIN DESIGN: SEE SHEET C-
 V3 -16" WATERMAN SLUICE GATE W/ CAST IRON FRAME (SEE DETAILS)
 INV. EL: 1795.0'
 TYPE 1 RIP-RAP
 2% SLOPE
 OUTLET PROTECTION GEO-TEXTILE INSTALLED UNDER RIP-RAP BED (SEE DETAILS)
 35' MIN. TYPE 1 RIP-RAP
 RIP-RAP DEPTH = 24" MIN
 CONCRETE HEADWALL (SEE DETAILS)

NORMAL POOL EL: 1822.0'
 10" PVC TRASH GUARD
 INV. EL: 1820.0'
 (2) TRASH GUARD ANCHOR BLOCKS W/ STEEL STRAP (SEE DETAILS)
 FRONT SLOPE OF DAM
 16" SPACING (MIN)
 16" PVC SDR 26
 CONC. INTAKE W/ STEEL SCREEN (SEE DETAILS)
 22.5° BEND
 INV. EL: 1806.0'
 22.5 DEG. CONC. THRUST BLOCK (SEE DETAILS)
 PIPE ANCHOR BLOCK (SEE DETAILS)