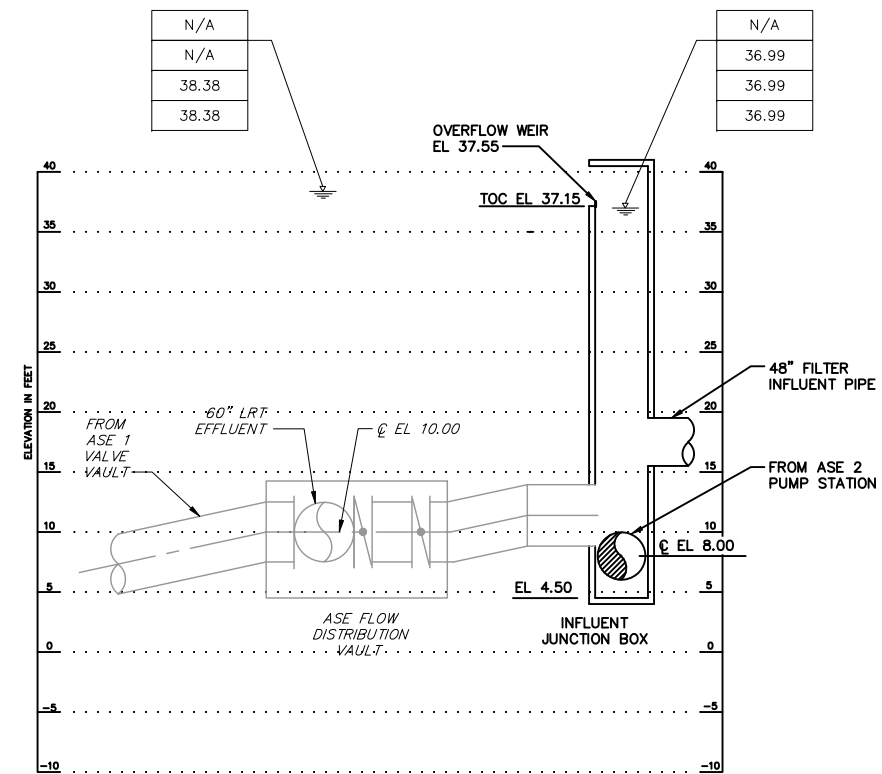
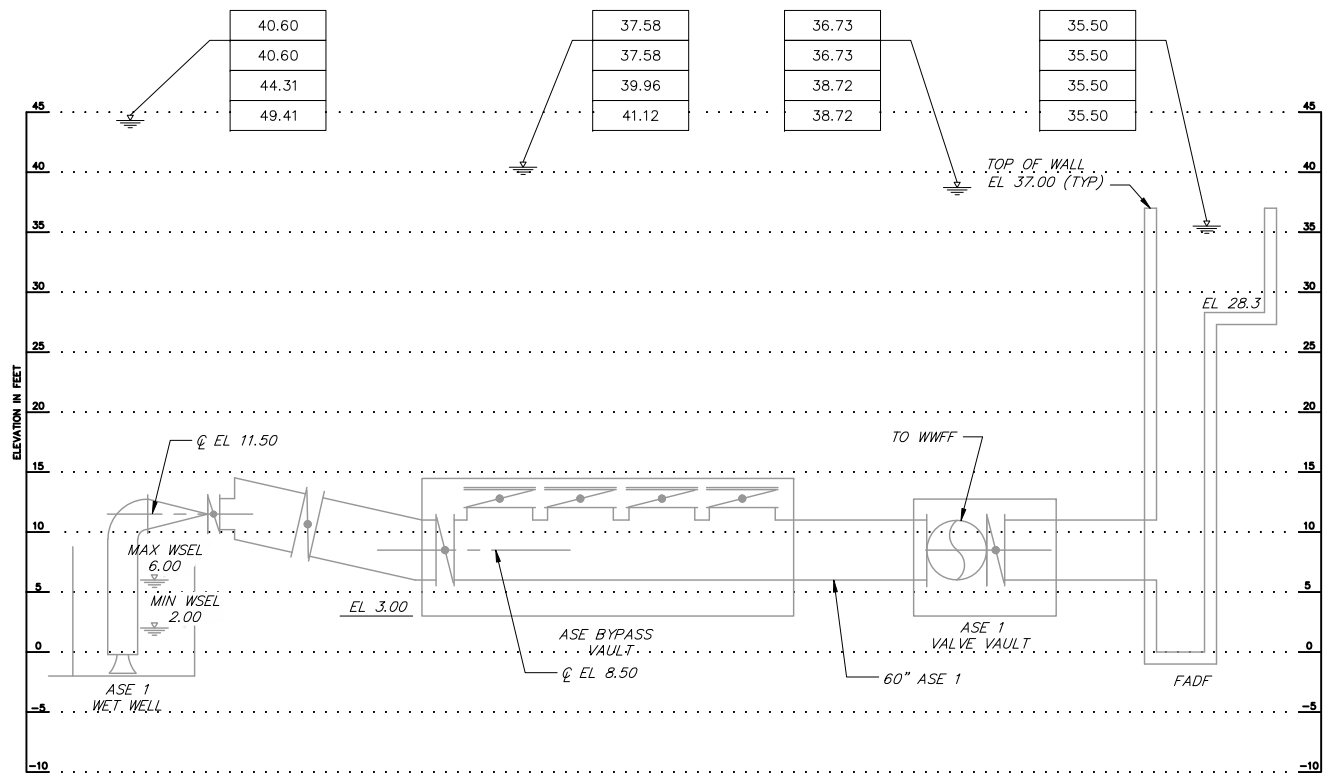


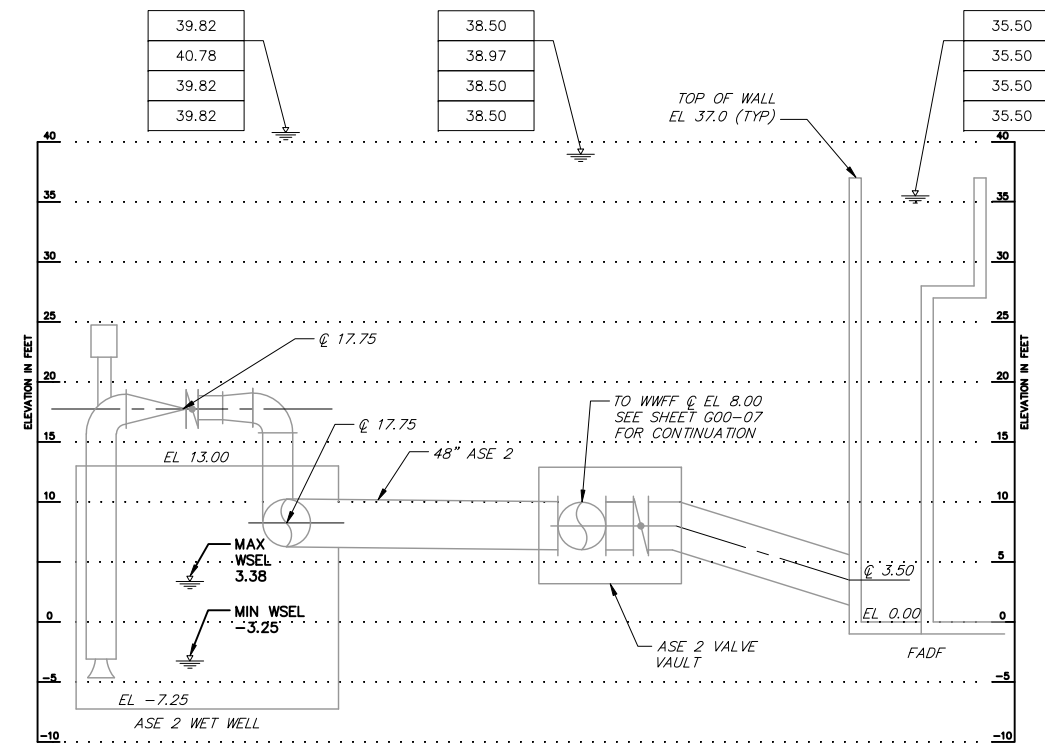
User: NICHOLSO Spec: ARLINGTON CNTY File: I:\Phase 8\Sheets\GENERAL\G00-08.DWG Scale: 1:1 Date: 08/30/2011 Time: 2:33:30 Layout: G00-08



BASIS OF HYDRAULIC PROFILE						
FLOW SCENARIO	ASE 1 TO FADF	ASE 2 TO FADF	ASE 1 TO WWFF	ASE 2 TO WWFF	ASE 1 PUMPS IN SERVICE	ASE 2 PUMPS IN SERVICE
#1 NORMAL FLOW	47.4 mgd	49.0 mgd	-	-	3	3
#2 SECONDARY CLARIFIER EXCURSION IN FILTER SERIES OPERATION	47.4 mgd	-	-	57.6 mgd	3	3
#3 WET WEATHER BYPASS IN FILTER SERIES OPERATION	-	49.0 mgd	57.6 mgd	-	3	3
#4 WET WEATHER BYPASS IN FILTER PARALLEL OPERATION *	23.4 mgd	49.0 mgd	57.6 mgd	-	4	3

\* THIS FLOW SCENARIO REQUIRES THE USE OF ALL FOUR PUMPS AT THE ASE 1 PUMP STATION. NO STAND BY PUMP WILL BE AVAILABLE.

XX.XX	DENOTES WSEL FOR FLOW SCENARIO #1
XX.XX	DENOTES WSEL FOR FLOW SCENARIO #2
XX.XX	DENOTES WSEL FOR FLOW SCENARIO #3
XX.XX	DENOTES WSEL FOR FLOW SCENARIO #4



DESIGNED	NKF	HORIZONTAL DATUM IS REFERENCED TO VIRGINIA STATE GRID, NORTH AMERICAN DATUM 1983 (NAD 83)  VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)			ARLINGTON COUNTY WATER POLLUTION CONTROL PLANT  WET WEATHER FILTRATION FACILITY RETROFIT PHASE 8	GENERAL  HYDRAULIC PROFILE - FLOW FROM ASE PUMP STATIONS 1 & 2	THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE: JUNE 2011
DRAWN	HBD							DRAWING NUMBER
CHECKED	GJD							<b>G00-08</b>
PROJ. ENGR.	PJH							SHEET 01 OF
CAD REF. NO.	G00-08							
NO.	ISSUED FOR	DATE	BY	APPROVED				