

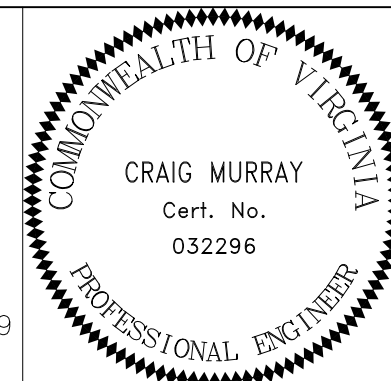
- ① EQUALIZED EFFLUENT FILTER BACKWASH TO AERATION TANK INFLUENT
- ② EQUALIZED EFFLUENT FILTER BACKWASH TO MIXED LIQUOR CHANNEL
- ③ EQUALIZED EFFLUENT FILTER BACKWASH TO FOUR-MILE RUN INTERCEPTOR
- ④ EQUALIZED GRAVITY FILTER BACKWASH TO FOUR-MILE RUN INTERCEPTOR

NOTE:
* REFER TO DWG G00-08 FOR GT MAKEUP WATER FEED LOCATION.

PARAMETER	⑧ RAS		⑨ WAS		⑩ SPRAY WATER TO SAT		⑪ SCL INFLUENT		⑫ ASE		⑬ ASE2		⑭ EFF. FILTER INFLUENT		⑮ FILTER BACKWASH		⑯ EFF. FILTER EFFLUENT		⑰ GRAV. FILTER EFFLUENT		⑱ TOTAL FILTER EFFLUENT		⑲ GT MAKEUP WATER		⑳ PEW		㉑ FINAL EFFLUENT	
	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY	DESIGN AVERAGE	MAX 7-DAY
	FLOW (MGD)	20.0	43.2	0.73	1.10	5.10	5.10	67.7	140.3	23.0	47.4	24.0	49.0	47.0	96.4	1.0	4.0	46.0	92.4	0.0	0.0	46.0	92.4	0.81	0.46	6.0	6.0	40.0
TSS (MG/L)	6,420	5,900	6,420	5,900			1,930	1,800	25	30	25	30	25	30	1,200	800	6	9	0.0	0.0	6	9	0.81	0.46	6.0	6.0	40.0	86.4
BOD ₅ (MG/L)									15	15	15	15	15	15	740	400	5	8			5	8					5	8
TKN (MG/L)									1.4	3.5	1.4	3.5	1.4	3.5			1.4	3.5			1.4	3.5					1.4	3.5
NH ₃ -N (MG/L)									0.1	2.2	0.1	2.2	0.1	2.2			0.1	2.2			0.1	2.2					0.1	2.2
NO ₃ -N (MG/L)									6.8	10.6	6.8	10.6	6.8	10.6			1.0	1.0			1.0	1.0					1.0	1.0
TP (MG/L)									0.1-0.6	0.1-0.7	0.1-0.6	0.1-0.7	0.1-0.6	0.1-0.7			0.18	0.27			0.18	0.27					0.18	0.27

DESIGNED: EWB
 DRAWN: JDW
 CHECKED: CWM
 PROJ. ENGR.: CWM
 CAD REF. NO. 2G014000A
 APPROVED: _____

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
 UPGRADE AND EXPANSION
 PHASE 7B

GENERAL
 PROCESS FLOW DIAGRAM II
 AERATION TANK INFLUENT TO OUTFALL
 SCALE: NOT TO SCALE

DATE: DECEMBER 2005
 DRAWING NUMBER: G00-09
 SHEET OF

User: C:\ESAM\Spec\ARLINGTON_CWY File: I:\pfc-03\Confirmed Docs\pfc-03\G00-09.dwg Scale: 1:1 Date: 08/19/2006 Time: 13:31 Layout: G00-09