

PERTINENT DESIGN CRITERIA

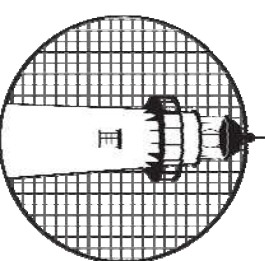
INFLUENT PUMP STA PEAK CAPACITY (MGD)	DESIGN	CURRENT
HEADWORKS PEAK CAPACITY (MGD)	3,312	2,592 - 3,312
BAR SCREEN	3,312	2,592 - 3,312
GRIT REMOVAL	3,312	2,592 - 3,312
INFLUENT FLOW METER	3,312	2,592 - 3,312
ADVANCED WASTEWATER TREATMENT FACILITY		
FLOW (MGD)	1,000	0,640
BOD5 (MG/L)	4.5	2.0
AMMONIA as N (MG/L)	0.7	0.06
DISSOLVED OXYGEN	6.0	8.5
EFFLUENT TSS (MG/L)	5.0	0.9
FECAL COLIFORM (#/100 ML)	23	1.43
TOTAL PHOSPHORUS (MG/L)	1.0	0.9
pH	6.0-8.5	8.3
LAND APPLICATION SYSTEM		
FLOW (MGD)	0.25	0.04 (JULY 2015)
BOD5 (MG/L)	50	36.9 (JULY 2015)
TSS (MG/L)	90	53.0 (JULY 2015)

NARRATIVE

ALL WASTEWATER TO THIS FACILITY IS PUMPED THROUGH THE INFLUENT PUMPING STATION AND RECEIVES PRELIMINARY TREATMENT CONSISTING OF FINE SCREENING AND GRIT REMOVAL FOLLOWING PRELIMINARY TREATMENT FLOW CONTINUES BY GRAVITY TO A FLOW CONTROL STRUCTURE WHICH DIRECTS FLOW TO EITHER THE AWT OR THE LAS. FLOW TO THE AWT IS AUTOMATICALLY CONTROLLED DURING THE SBR FILL CYCLES AND IS LIMITED TO 1.0 MGD. FLOW IN EXCESS OF 1.0 MGD IS AUTOMATICALLY DIVERTED TO THE LAS THROUGH THE AERATED LAGOON FOLLOWING TREATMENT IN THE AERATED LAGOON, THE WASTEWATER IS ROUTED TO THE EQUALIZATION LAGOON FROM WHICH IT CAN EITHER BE ROUTED THROUGH THE AWT FOR TREATMENT AND DISCHARGE OR SENT TO THE LAS STORAGE LAGOON FROM WHICH IT IS LAND APPLIED.

LEGEND

- FM — WWTW INFLUENT (FORCEMAIN)
- INF — WWTW INFLUENT (GRAVITY)
- INF — SBR/LAS INFLUENT
- FM — SBR EFFLUENT
- EFF — TERTIARY FILTER EFFLUENT
- EFF — WWTW EFFLUENT TO RIVER
- EFF — LAS EFFLUENT (PONDS)
- FM — LAS EFFLUENT TO SPRAYFIELDS
- WAS — WASTE SLUDGE TO BELT PRESS
- CHEM — CHEMICAL FEED (LIME)
- CHEM — CHEMICAL FEED (ALUM)
- AIR — AIR PIPING



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FILE NUMBER: 2015-011-EXHIBIT B DATE: DECEMBER 15, 2015

PROJECT NAME: NASHVILLE, GEORGIA WASTEWATER TREATMENT PLANT

APPLICATION FOR RENEWAL OF NPDES PERMIT GA0039365

SHEET TITLE: PROCESS FLOW DIAGRAM

REF: FORM 2A-ITEM B.3

SCALE: NO SCALE

EXHIBIT B