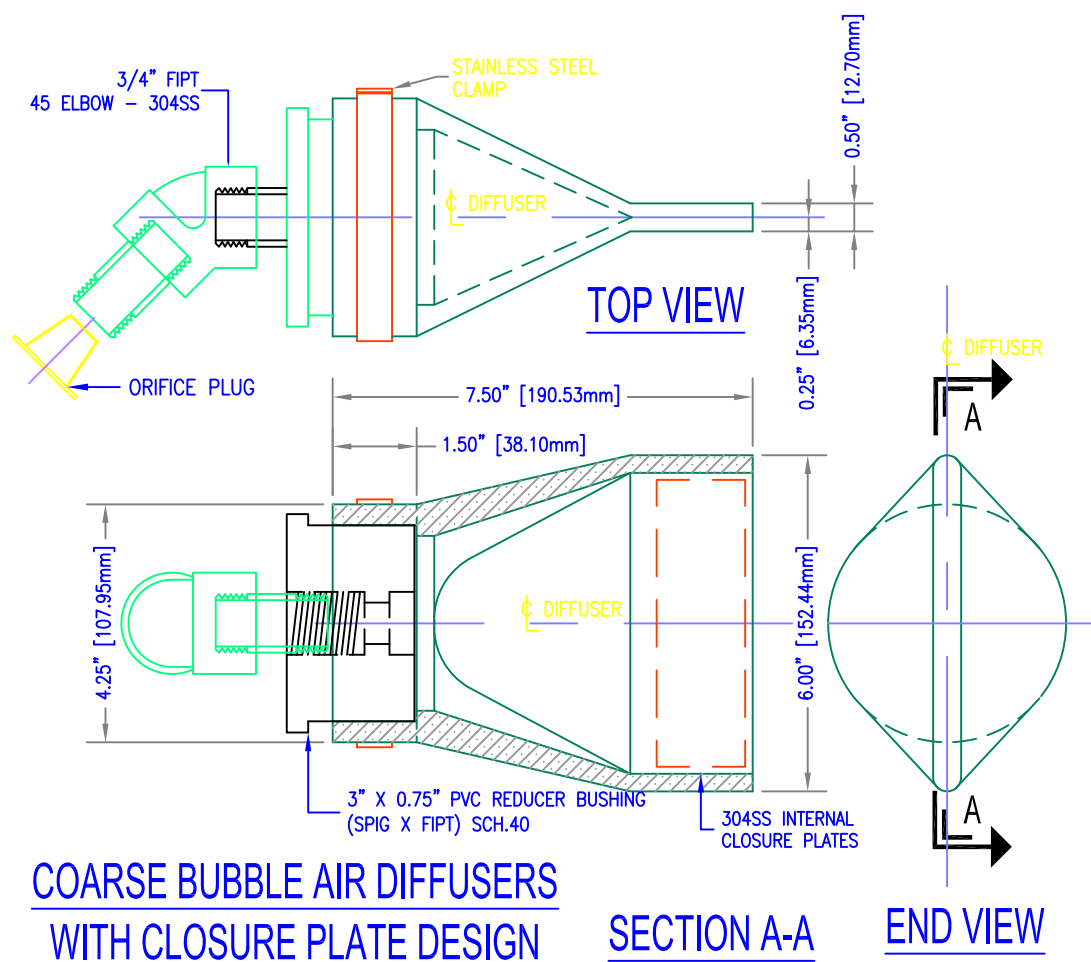




DIRECTIONAL MIXING & AERATION ASSEMBLIES

STORAGE RESERVOIR



COARSE BUBBLE AIR DIFFUSERS WITH CLOSURE PLATE DESIGN

SECTION A-A

END VIEW

30	CFM	MAXIMUM OPERATING AIRFLOW
12.5	IN. H2O	DIFFUSER HEADLOSS AT MAX AIRFLOW
14.0	IN. H2O	ORIFICE HEADLOSS AT MAX AIRFLOW
26.5	IN. H2O	TOTAL HEADLOSS AT MAX FLOW
MOLDED		DIFFUSER CONSTRUCTION
304SS		INTERNAL CLOSURE PLATES
EPDM		ELASTOMER MATERIAL
HOSE CLAMP		CLAMP TYPE
304SS		CLAMP MATERIAL
304SS		DIFFUSER NPT CONNECTION MATERIAL
0.75	IN	DIFFUSER NPT CONNECTION DIAMETER
304SS		ORIFICE MATERIAL
NIPPLE		ORIFICE TYPE
0.750	IN	ORIFICE DIAMETER



This system was designed by CH2M Hill Engineers to provide recirculation of the storage water while at the same time maintain an aerobic environment. The propeller mixing assemblies were designed to utilize the Tideflex Check Valve Coarse Bubble Diffusers.



PROPELLER / AERATION MIXING ASSEMBLY



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S.O.#: _____
 QUOTE #: _____
 DWG. NOTES: _____
CH2MHILL
 Application: Storage Reservoir
 Project Location: Tracy Power Plant, Nevada
 Engineer: CH2M Hill (Las Vegas, Nevada)

Tideflex Technologies
 TIDEFLEX TECHNOLOGIES AIR DIFFUSER SYSTEM
 600 North Bell Ave.
 Carnegie, PA 15106 USA
 Phone: 412-279-0044
 Fax: 412-279-5410
 Website: WWW.TIDEFLEX.COM
 Email: INFO@TIDEFLEX.COM
 A Division of Red Valve Company, Inc.

**NEVADA ENERGY - TRACY POWER PLANT
 SECONDARY WATER STORAGE RESERVOIR
 AERATION SYSTEM - ASSEMBLY PLAN**

CONSULTANT: _____
 APPLICATION: _____
 CAD SCALE: FULL PLOT SCALE: _____
 DWG. NO. **A-110304** SHEET _____

REV	BY	DATE	ECO#	CHK'D	DESCRIPTION