

**MOCCASIN BEND WASTEWATER TREATMENT PLANT
PLANT EXPANSION AND WET WEATHER TREATMENT, CONTRACT 28G
CHATTANOOGA, TENNESSEE**

OWNER

City of Chattanooga, Tennessee
Moccasin Bend WWTP
455A Moccasin Bend Road
Chattanooga, Tennessee 37405
Contact: Jerry Stewart, P.E.
Director, Waste Resources Division
Telephone: 423-757-5026

ENGINEER

Arcadis Geraghty & Miller
1210 Premier Drive, Suite 200
Chattanooga, Tennessee 37421
Contact: Raymond Cordon, P.E., Project Manager
Telephone: 423-756-7193

% SELF PERFORMED: ±75%



PROJECT

This project consisted of expanding the existing Wastewater Treatment Plant capacity from 120 MGD to 140 MGD (155 MGD peak) capacity and construction of an 80 MGD (120 MGD peak) capacity Wet Weather Treatment Facility. The 120 MGD Treatment Plant expansion included the following major components: renovation of the existing raw sewage Influent Pumping Station, which included replacement of the four (4) raw sewage influent pumps, motors, shafts and new VFDs; six (6) new fine screens to replace the existing comminutors; conversion of the aerated grit chambers to new Detritor units; two (2) new scum screens; eight (8) new rectangular secondary clarifiers; odor/VOC control facilities; chlorine contact basin; North and South Recycle Pump Stations; Equipment Shelter; Chlorine System upgrade/renovation; improvements and upgrades to WWTP SCADA System; modifications to existing Secondary Clarifiers 1 – 4; electrical system improvements; HVAC system improvements at the Influent Pump Station and Oxygen System Control Building and HVAC systems in new buildings; miscellaneous large diameter yard piping; new plant entrance road and roadway resurfacing and repairs.

The 80 MGD Wet Weather Treatment System included the following major items: four (4) swirl-type grit removal basins with a secondary basin and grit classifier; three (3) 130' diameter circular clarifiers; Wet Weather Chlorine Injection Box; Junction Box Nos. 1 - 5; Outfall Diversion Box; Outfall Structure; Wet Weather Chemical Building; Wet Weather Sludge Pump Station and miscellaneous large diameter yard piping.



City of Chattanooga

DEPARTMENT OF PUBLIC WORKS - WASTE RESOURCES DIVISION
455 MOCCASIN BEND ROAD

Chattanooga, Tennessee 37405

February 18, 2002

Mr. Donny Breeding, President
3-D Enterprises Contracting Corporation
3257 Lochness Drive
Lexington, KY 40517

Subject: Letter of Satisfaction
3-D Enterprises Contracting Corporation
City of Chattanooga Project's
28G - Moccasin Bend WWTP Expansion and Upgrade
CSO-4b-00 - 19th Street CSO

Dear Mr. Breeding:

The City of Chattanooga is very satisfied with the performance of the work provided by 3-D Enterprises. The City's staff was very pleased with the quality, quantity, and timeliness of the work on the \$19million 100mgd Expansion and Upgrade of the Liquid Treatment Facility at the Moccasin Bend WWTP (Contract 28G), and the \$3million 19th Street CSO Facility (Contract CSO 4b-00).

Both projects were well planned, organized and scheduled by 3-D's Project Manager, Don Myers, and staffed and implemented by Field Superintendents, Leonard "Stumpy" Burke and Clifford Lainhart. Both projects were always moving forward towards the completion date. The City's Operation and Maintenance staff were pleased with the cooperative spirit that 3-D's staff used in coordinating tie-ins and start-ups to minimize disruptions with plant outages.

The City will welcome the opportunity to work with 3-D on future projects, and look forward to seeing 3-D on our project's bidder lists.

Sincerely,

Jerry M. Stewart, P.E.
Director, Waste Resources Division

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