

TABLE OF CONTENTS

<u>ARTICLE NUMBER</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
1	PROJECT DESCRIPTION	2
2	PHYSICAL CONDITIONS/CONTRACT PLANS	2
3	PROJECT COORDINATION	2
3.1	Intent of Plans and Specifications	
3.2	Interpretation of Estimate	
3.3	Time of Completion	
3.4	Pre-Construction Conference	
3.5	Progress Meetings	
3.6	Utility Owners	
4	EFFLUENT BOX SPECIFICATIONS	4
4.1	Vault	
4.2	Bar Screen	
4.3	Concrete Walkway	
4.4	Weir Gate and Waterbreak	

ARTICLE 1 - PROJECT DESCRIPTION

Scope of Work

- 1.1 The work to be performed shall consist of the construction of the **Ash Lagoon Overflow Rehabilitation** project for the Metropolitan Sewerage District of Buncombe County, North Carolina. The project shall generally consist of the furnishing of all services, supplies, materials and equipment, and performing of all labor for the demolition of the existing ash lagoon overflow structure and construction of a new overflow structure in accordance with the project plans.
- 1.2 The work shall be performed under lump sum price contract, and shall consist of furnishing all materials, supplies, and equipment; performing all labor and services incidental to or necessary for the complete construction of the project in accordance with the Plans and Specifications; and maintenance of each completed portion of the work until final acceptance of the entire project by the DISTRICT, unless otherwise approved by the ENGINEER.

ARTICLE 2 - PHYSICAL CONDITIONS/CONTRACT PLANS

- 2.1 **Physical Conditions.** There have been no subsurface explorations or reports utilized in the preparation of these contract documents.
- 2.2 **Contract Plans.** The work shall be performed in accordance with these specifications and contract plans, which are incorporated herein as part of the contract and which are identified by the following numbers and titles:

<u>Sheet No.</u>	<u>Description</u>
COVER	Cover sheet
PL-1	Overall site plan, cofferdam plan & details
PL-2	Demolition plan, weir gate detail, bar screen detail, effluent box replacement plan

ARTICLE 3 - PROJECT COORDINATION

3.1 Intent of Plans and Specifications

The intent of the Plans and Specifications is to prescribe a complete work that the CONTRACTOR undertakes to do in full compliance with the Contract. The CONTRACTOR shall do all work as provided in the Plans, Special Conditions Detail Sheets, Specifications and other parts of the Contract and shall do such additional, extra, and incidental work as may be considered necessary to complete the work in a satisfactory and acceptable manner. Any work or material not shown on the Plans or described in the Specifications, but which may be fairly implied as included in any item of the Contract, shall be performed and/or furnished by the CONTRACTOR without additional charge therefore. The CONTRACTOR shall

Section V: Special Conditions

furnish all labor, materials, tools, equipment and incidentals necessary to the prosecution of the work.

3.2 **Interpretation of Estimate**

The quantities of the work and materials shown on the Proposal form or on the Plans are believed to approximately represent the work to be performed and materials to be furnished and are to be used for comparison of bids. Payment to the CONTRACTOR will be made only for the actual quantities of work performed or materials furnished in accordance with the Plans and Specifications and it is understood that the quantities may be increased or decreased as hereinafter provided without in any way invalidating the bid prices.

3.3 **Time of Completion**

The CONTRACTOR shall commence work to be performed on the project under this agreement on a date to be specified in a written Notice to Proceed from the DISTRICT and shall duly complete all work under this agreement within **sixty (60) consecutive calendar days** from said date. For each day in excess of the completion time limits specified above, the CONTRACTOR shall pay the DISTRICT the sum of Three Hundred Dollars (\$300.00) as liquidated damages reasonably estimated in advance to cover the losses incurred by the DISTRICT by reason of failure of said CONTRACTOR to complete the work within the time specified, such time being in the essence of this Contract and a material consideration thereof.

3.4 **Pre-Construction Conference**

Prior to starting any construction work on this project, a conference will be held in the Construction Office of the DISTRICT for the purpose of verifying general construction procedures, expediting the handling of shop drawings and schedules, and to establish a working understanding between the parties concerned on the project. Present at the conference shall be a responsible representative of the CONTRACTOR and the CONTRACTOR's job superintendent. The time of the conference shall be as agreed upon by the CONTRACTOR and DISTRICT.

3.5 **Progress Meetings**

The CONTRACTOR and any subcontractors, material suppliers or vendors whose presence is necessary or requested shall attend meetings, referred to as Progress Meetings, when requested by the DISTRICT for the purpose of discussing the execution of the work. Each meeting will be held at the time and place designated by the DISTRICT. A schedule for monthly meetings will be agreed upon at the pre-construction conference. The ENGINEER will call for and schedule additional meetings if necessary. All decisions, instructions and interpretations made at these meetings shall be binding and conclusive on the CONTRACTOR and such

decisions, instructions and interpretations shall be confirmed in writing by the DISTRICT.

The proceedings of these meetings will be recorded and the CONTRACTOR will be furnished with a reasonable number of copies for his use and for his distribution to the subcontractors' material suppliers and vendors involved.

ARTICLE 4 – EFFLUENT BOX SPECIFICATIONS

4.1 Vault

The effluent box shall be a rectangular pre-cast concrete vault with minimum inside dimension of 6'x6' and a minimum height of 12'. The vault shall have reinforcing steel incorporated in the structure of the vault (#4 rebar, 12" on-center) and may be monolithic or constructed of a base, riser, and top section. The vault shall be cast to have a 3'x3'-6" rectangular inlet opening and a 6'x6' top access opening as shown on the project plans. The outlet connection shall be cored and booted to accommodate the existing 8" cast iron pipe. The floor of the vault shall be sloped toward the outlet pipe at a minimum slope of 5%.

A 6'x6' FRP grate (with cutout to accommodate weir gate frame) shall be installed in accordance with the project plans in the top access opening.

The existing aluminum handrail may be removed from the existing vault and re-used.

4.2 Bar Screen

A stainless-steel bar screen shall be constructed and installed as shown on the project plans, covering the exterior of the vault's inlet opening. All hardware associated with the bar screen shall be stainless steel.

4.3 Concrete walkway

The existing concrete walkway is intended to remain. If the walkway is damaged during demolition of the existing effluent box, the Contractor shall saw-cut the walkway square, then form and pour a new reinforced concrete walkway section connecting to the new effluent box.

4.4 **Weir gate and waterbreak**

A 3'x3'-6" stainless-steel weir gate, Rodney Hunt model number A-311 shall be installed as shown on the project plans. The gate shall be mounted to the vault wall with stainless steel anchor bolts and a 1" thick grout fill between the wall and the gate frame as required by the manufacturer. Rodney Hunt Weir gate specs are incorporated below.

A stainless-steel water break, constructed of 2" angle bar or similar, shall be installed as shown on the project plans, approximately 2' above the outlet elevation.