

**PHASE II - CLOSE EXISTING LAGOON**

AFTER ALL WASTE WITHIN LAGOON HAS BEEN PROCESSED, CLOSE ALL PLUG VALVES AND PLUG EXISTING LINES WHICH ARE TO BE ABANDONED. REMOVE THE TANKS IN THE CHLORINE ROOM.

REMOVE EXISTING CURTAIN WALLS AND PIPING FROM WITHIN LAGOON.

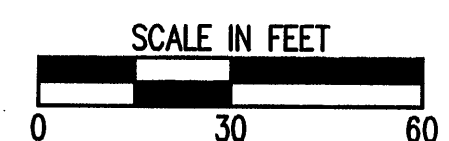
REMOVE CONCRETE SUPPORTS FOR CURTAIN WALLS AND PIPING.

THE SLUDGE WITHIN THE LAGOON SHALL BE DISPOSED OF BY SPREADING IT SMOOTH AND TREATING IT WITH TWO POUNDS OF LIME PER 100 SQUARE FEET. AFTER THE SLUDGE IS DRY, IT SHALL BE PUSHED INTO THE NORTHERN CORNER AND COVERED BY A 2' THICK CAP COMPOSED OF MATERIAL FROM THE IMPERVIOUS CLAY LINER MATERIAL ON THE BOTTOM OF THE LAGOON. THE CAP SHALL BE SLOPED TO AVOID PONDING WATER. THE EXISTING LAGOON BERM (SHADED AT LEFT) SHALL BE PUSHED IN, AND THE ENTIRE AREA WITHIN THE LAGOON SHALL BE GRADED TO DRAIN TO CATAWBA CREEK AND THEN SEED.

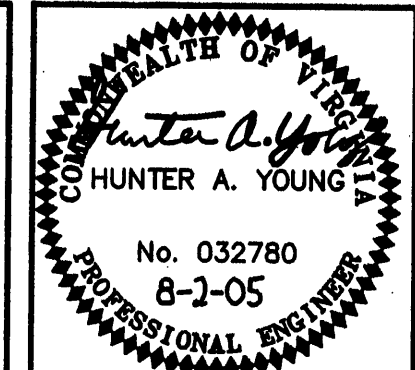
THE TIME OF 120 DAYS TO CLOSE THE LAGOON BEGINS WHEN THE EXISTING LAGOON TREATMENT PLANT IS TAKEN OFF LINE AND DEWATERING BEGINS. TIME IS BASED ON FOUR (4) WEATHER DAYS PER MONTH. EQUIPMENT, PIPING, BAFFLES, ETC. THAT ARE PART OF THE LAGOON TREATMENT FACILITY SHALL BE DISPOSED OF AT THE COUNTY LANDFILL. THE TIPPING FEE SHALL BE WAIVED BY THE COUNTY.

CONCURRENTLY WITH THE LAGOON CLOSURE, STRUCTURAL FILL PLACEMENT SHALL COMMENCE WITHIN THE AREA ADJACENT TO THE NEW DEWATERING BUILDING. AFTER WORK IN THIS AREA IS COMPLETE, IT SHALL BE TOPSOILED, SEED, FERTILIZED, AND MULCHED.

REMOVE CHLORINATION EQUIPMENT AND CHLORINE CYLINDERS FROM CHLORINE ROOM IN EXISTING CONTROL BUILDING. REMOVE EQUIPMENT FROM SULFUR DIOXIDE BUILDING. COMPLY WITH OSHA AND ALL OTHER APPLICABLE REGULATIONS.



SEE NEXT SHEET FOR ADDITIONAL LAGOON CLOSURE WORK.



Revisions	Date	Issue Date	Drawn By	Designed By	Checked By
1	8/2/05	APRIL, 2005	CLZ	HAY	SWH
ADD GRANTY SEWER BYPASS, ADJUST FENCE, LAGOON BERM INFO & OTHER ITEMS FOR REBID					

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FINCASTLE WASTEWATER TREATMENT PLANT

**LAGOON OVERALL CLOSURE PLAN**

BOTETOURT COUNTY, VIRGINIA

Vertical Scale: N/A

Horizontal Scale: AS SHOWN

Commission Number:

Sheet No.: **7**