



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil



Public Notice

APPLICATION NO.:	SYK-MVK-2012-1240
EVALUATOR:	Ms. Sarah Koeppel
PHONE NO.:	(601) 631-5894
FAX NO.:	(601) 631-5459
E-MAIL:	Sarah.Y.Koeppel@usace.army.mil
DATE:	November 26, 2014
EXPIRATION DATE:	January 12, 2015

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District is considering an application for a Department of the Army permit for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-OD-F, 4155 Clay Street, Vicksburg, MS 39183-3435.

Application also has been made to the Louisiana Department of Environmental Quality, Office of Environmental Services for a Water Quality Certification in accordance with La. R.S. 30.2074(A)(93), and Section 401 of the Clean Water Act (P.L. 95-217). Additional information is on file with the above office, and may be inspected at any time between 8:00 a.m. and 4:30 p.m. weekdays. Copies may be obtained upon payment of cost of copying. Comments concerning the application can be filed with the Office of Environmental Services within 20 days of this notice to the following address: Office of Environmental Services, P.O. Box 4313, Baton Rouge, Louisiana, 70821-4313.

Law Requiring a Permit: Section 404 of the Clean Water Act (33 U.S.C. 1344), which applies to discharges of dredged or fill material into waters of the United States.

Name of Applicant:
Mr. Huey L. Pierce
Washington Parish
Reservoir Commission
526 Georgia Avenue
Bogalusa, Louisiana 70429

Name of Agent:
Mr. Randy Denmon
Denmon Engineering
Company, Inc.
P.O. Box 8460
Monroe, Louisiana 71211

Location of Work: Reservoir: Sections 29-33, 37 & 38, T2S-R12E; Section 1, T3S-R11E; & Sections 3-10, 14-20, 37-40, 44 & 45, T3S-R12E. Dam: Sections 15 & 16, T3S-R12E. The approximate center

point coordinates are: 30.8104, -89.9951, within the Boga Lusa Creek drainage basin in Washington Parish, Louisiana.

Description of Work: (See enclosed map and drawings.)

The following descriptions of the proposed project and associated impacts are based upon information provided by the applicant.

The applicant is applying for a Department of the Army permit for the mechanized land clearing and associated discharge of dredged and/or fill material for the creation of an approximately 3,262 acre reservoir in Washington Parish, Louisiana. The applicant's stated project purpose is to provide additional supplies of potable and non-potable water, recharge underlying aquifers, provide recreation areas and economic development opportunities, and provide storage of flood waters that can be available for use during droughts.

Reservoir creation will involve the damming of Bogue Lusa Creek, approximately 5.8 miles south of the city of Sheridan. Impoundment will produce a long, thin, five finger lake spanning north and south approximately 5.5 miles long and 3,000 feet wide, with approximately 40.11 miles of shoreline. The reservoir will impound approximately 81,757 acre-ft of water, have a maximum depth of 65 feet, and maintain a pool level of 205 feet, msl.

The proposed dam will be located in Sections 15, 16, 39, and 45, T3S-R12E. The dam dimension will be: 3:1 slope, 8,000 ft long, an average height of 40 feet (maximum height of 75 ft), and approximately 500 feet wide (average width of 270 feet).

Principal features of the dam will include an earthen embankment, a principal spillway structure, and an emergency spillway. The dam abutments will consist of the naturally occurring ridges on either side of the floodplains. The principal spillway will likely be the drop inlet type, consisting of a vertical riser, a reinforced concrete pressure conduit and an impact basin at the outlet or possible a gated structure. The emergency spillway will likely be of the vegetated earth type and will be located in the hill beyond one of the abutments.

The proposed project will include the relocation of roads, structures, and utilities, water treatment facilities, and any recreational or support structures supporting the lake.

The applicant utilized computer modeling based on historical flood gauge data to determine the estimated amount of discharge needed along Boga Lusa Creek to maintain normal and peak flow in normal and flooding events. It was determined that normal flow is 1,512 cubic feet/second and 7,291 cubic feet/second approximately 24 hours after a flooding event.

The applicant also calculated the daily amount of discharge

needed during the fall and winter months to sustain Boga Lusa Creek at normal flow levels. Pool stage for the reservoir would be 205 feet, msl, impounding 81,757 acre-feet of water. No more than five feet would be released from the reservoir during draw down.

Initial hydraulic analysis suggests the reservoir will produce approximately 50 MGD of water.

Wetland vegetation in the project site consists of loblolly pine, sweetgum, water oak, willow oak, sweetbay magnolia, bald cypress, black willow, wax myrtle, southern red oak, red maple, Chinese tallow, yaupon, Chinese privet, arrowheads, rushes, smartweeds, and alligator weeds. The soils in the project area consist of Ruston, Savannah, Ouachita, Smithdale, and Prentiss.

The proposed project as planned would impact approximately:

- 1,005.7 acres of forested wetlands
- 19.69 acres of scrub-shrub wetlands
- 19 acres of emergent wetlands
- 17,600 linear feet of ephemeral streams
- 104,024 linear feet of perennial streams
- 39,483 linear feet of intermittent streams
- 4.95 acres of open water

The mechanized land clearing and associated discharge of dredged and/or fill material in approximately 1,043.69 acres of jurisdictional wetlands and approximately 161,107 linear feet of other waters of the United States requires a Department of the Army permit.

The applicant proposes to perform on-site and/or off-site mitigation to offset unavoidable adverse impacts to wetlands and other waters of the United States.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work will have on the natural and human environment, and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information will further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

State Water Quality Permit: The State Pollution Control Agency must certify that the described work will comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

Environmental Assessment: Pursuant to the National Environmental Policy Act (NEPA) guidance (33 CFR Part 325, Appendix B), an

Environmental Impact Statement would be required if a Findings of Significant Impact on the quality of the human environment is made. The appropriate level of NEPA documentation has not yet been determined.

Endangered Species: The following threatened or endangered species are known to reside in Washington Parish: Louisiana quillwort (E), Atlantic Gulf sturgeon (T), Louisiana black bear (T), Ringed map turtle (T), and Gopher tortoise (T). This proposal is being coordinated with the U.S. Fish and Wildlife Service, and any comments regarding endangered species or their critical habitat will be addressed in our evaluation of the described work.

Cultural Resources: A partial cultural resources survey was conducted for the permit area in December 2009. A National Register of Historic Places listed structure, cemeteries, and significant archaeological sites are located within the proposed permit area. Additional survey and cultural resource considerations are warranted. This office is currently coordinating with the State Historic Preservation Office and Federally Recognized Tribes. Any other interested parties are invited to comment on potential effects to cultural resources that could result from this activity.

Flood Plain: In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements.

Evaluation Factors: The decision whether or not to issue a permit will be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal will be considered; among these are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity will include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

Public Involvement: The purpose of this notice is to solicit comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties. These

comments will be used to evaluate the impacts of this project.

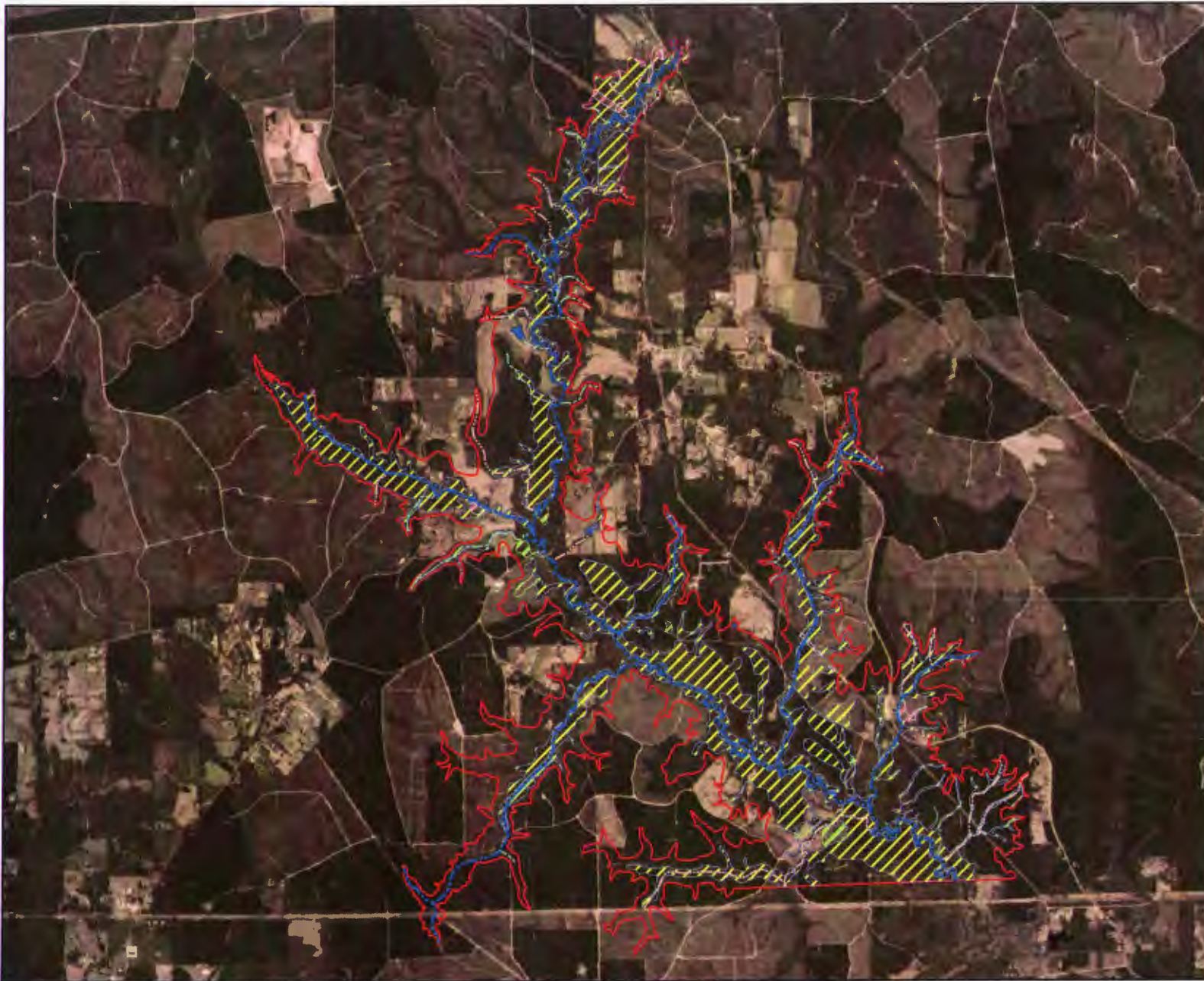
All comments will be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information will be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

Opportunity for a Public Hearing: Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice will be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.

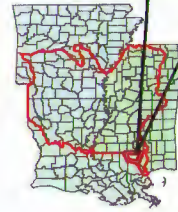
Notification of Final Permit Actions: Each month, the final permit actions from the preceding month are published on the Vicksburg District Regulatory web page. To access this information, you may follow the link from the Regulatory web page, <http://www.mvk.usace.army.mil/offices/od/odf/main.asp>, or go directly to the Final Permit Actions web page at <http://www.mvk.usace.army.mil/offices/od/odf/PubNotice/MonthlyNotice/pnmain.asp>.



Anne S. Woerner
Chief, Evaluation Section
Regulatory Branch



Washington Parish, LA



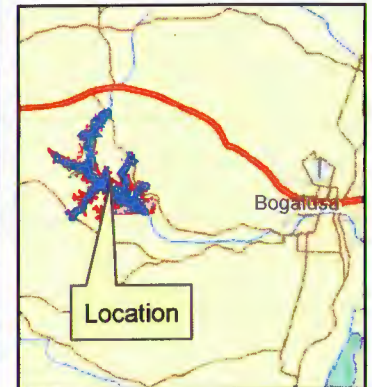
26 June 2013

MVK-2012-1240

Proposed Washington Parish Reservoir
Headwaters Inc.
Washington Parish, LA

**Preliminary
Jurisdictional Determination**

Jeremy Stokes



Legend

- Non-RPW (17,600')
- RPW (104,024')
- Seasonal RPW (39,483')
- Emergent Wetland (19.00 Acres)
- Forested Wetland (1,005.7 Acres)
- Scrub-Shrub Wetland (19.69 Acres)
- Open Water (4.95 Acres)
- Proposed Lake Footprint (3,262 Acres)

1:50,000

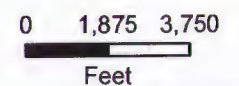


**US Army Corps
of Engineers.**



Regulatory Branch



Enforcement Section



MVK-2012-1240, Encl. 1



RESERVOIR SIZE: 3262 ACRES
WATERSHED: 30,497 ACRES
AVERAGE DEPTH: 24.7'
WATER IMPOUNDED: 84,030 ACRE FEET
MAXIMUM DEPTH: 90'
POOL STAGE: 205' MSL
DAM LENGTH: 8977'

LEGEND	
RESERVOIR	
DAM	


 Prepared By
DENMON ENGINEERING
 ENGINEERS AND SURVEYORS
 114 VENABLE LANE
 MONROE, LOUISIANA 71203

POTABLE WATER RESERVOIR
WASHINGTON PARISH

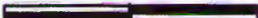
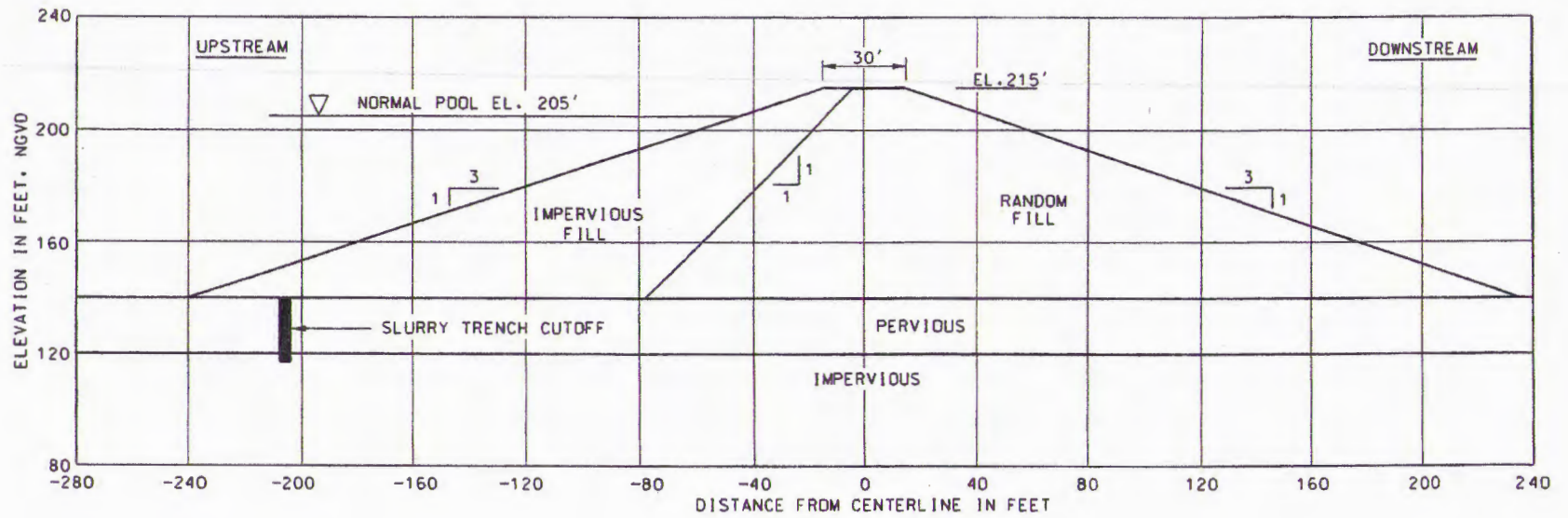
5000 0 5000 FT




FIGURE 2-2

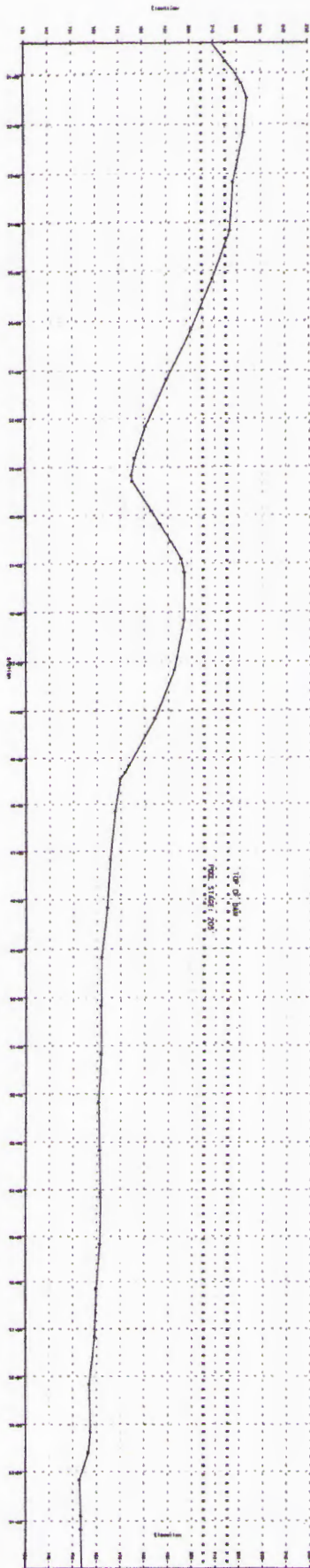
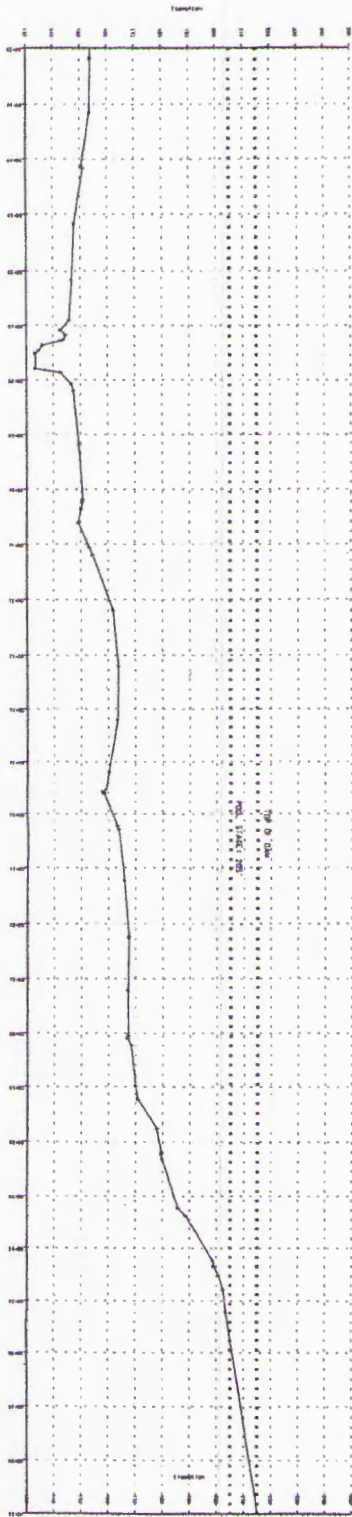


Typical Section

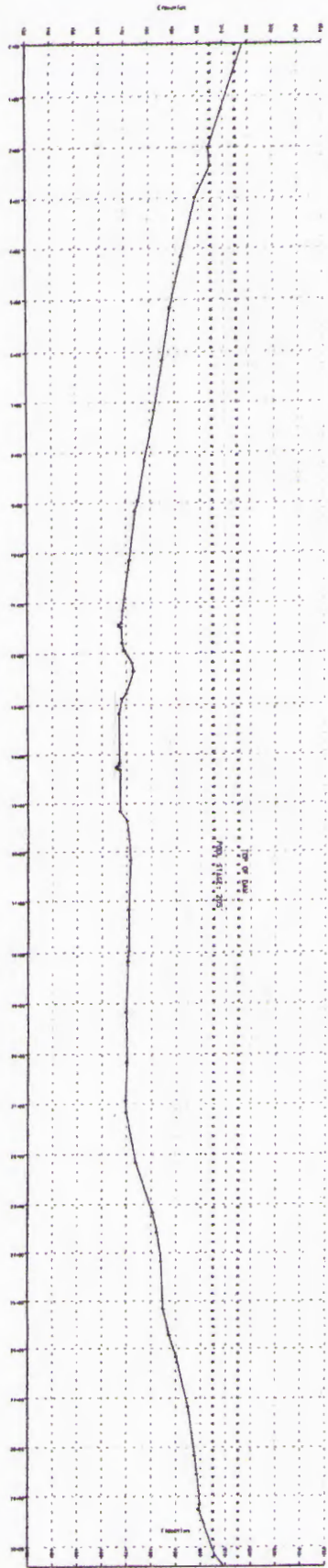
POTABLE WATER RESERVOIR
WASHINGTON PARISH, LOUISIANA

BURNS COOLEY DENNIS, INC.
551 SUNNYBROOK ROAD
RIDGELAND, MISSISSIPPI 39157

JOB NO. 04527-1 | SCALE: 1" = 40' | FIGURE 5-0



Profile shown



DESIGNED	P.A.S.	POTABLE WATER RESERVOIR WASHINGTON PARISH	PROFILE DAM	PROJECT	WASHINGTON	DRAWN	4-4
CHECKED	T.C.S.						
DESIGNED	P.A.S.	SITE	10-10-59	BY		DATE	10-10-59
CHECKED	T.C.S.						
NO.	ONE	REVISED DESCRIPTION					