

MINUTES } CITY OF PIKEVILLE

SPECIAL MEETING - JANUARY 6, 1987

The Pikeville City Commission was called to meet in a Special Session on January 6, 1987 for the purpose of discussing the bank erosion at the Raw Water Intake. The meeting notices were served to each Commissioner twenty-four hours in advance and the news media were notified as specified in the "Sunshine Law".

Mayor W. C. Hambley, M.D. called the meeting to order at 3:00 P.M. The meeting was held in the Commission's regular meeting place at the Old City Hall Meeting Room on Division Street. The following members were present and formed a quorum:

COMMISSIONER:	GREG JUSTICE	
	ROBERT WEDDLE	
	FRANK MORRIS	3:30
	ROBERT PAGE	
MAYOR:	W. C. HAMBLEY, M.D.	

Water Treatment Plant and Raw Water Intake Modifications Engineer, Pat Blayney of R. D. Zande and Associates, presented the Commission with the recommendations of Powell Construction Company's soil engineer, GeoMechanics, Inc. for the stabilizing of the Raw Water Intake slope slippage. Basically the concerns expressed were:

- a. the structural integrity of the existing Wet Well and Blower, Chlorine and Storage Rooms
- b. the continued downward mass movement adjacent to Highway 23.

The recommendations for remedy were outlined as follows:

"Available construction drawings indicate that two (2) rows of H steel piles and wood lagging walls were constructed along the north and south sides of the wet well in order to facilitate a safe excavation to reach the bearing elevation of the wet well. The wet well is supported by a mat foundation bearing in rock several feet below the rock surface. These soldier beam/wood lagging walls were left in place and are still visible at the site. Wood lagging, however, has deteriorated considerably since its installation. Apparently, the temporary retaining walls were designed to resist the lateral earth pressures of considerably greater magnitude than the ones which may be exerted if the excavation for the junction box is carried out." It is GeoMechanics, Inc. opinion that there is no risk to the structural integrity of the existing building from the excavation needed for the junction box. This conclusion was justified even if no retaining wall was present downslope from the wet well.

"Stability of the area immediately adjacent to the second junction box could be ensured by either using flat temporary cut slopes in the soil zone or utilizing a braced excavation. Visual observation of the site and based upon the reported thickness of the alluvial soils, it appears that there is sufficient room to utilize an open cut excavation. The excavation in the rock underlying the soil zone can be achieved by using almost vertical slopes."

"The hillside along the south side of the State Route 23 has experienced downward movement due to steep cuts performed near its toe in connection with the access road and trench excavations for the pipe line. Removal of the restraining forces near the toe disturbed the street equilibrium

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of the soil mass and reduced its stability. In order to restore the stability of the hillside, it will be necessary to provide material of higher shear strength near the toe and reduce the driving forces near the top. The former objective can be achieved by using properly constructed rock toe and the later objective can be accomplished by flattening the slope. At this time, no detailed subsurface exploration or stability analysis, utilizing the experimental soil parameters, has been performed. However based upon our past experience for similar embankment conditions, it is our opinion that a well compacted soil embankment using parallel bonding benches, 2 horizontal to 1 vertical slope and a rock toe provides sufficient factor of safety against slope failure."

The contractor, Powell Construction Company, had asked that the Commission release them to continue the work and stabilize the bank after construction of the second junction box when weather permits. The Water Treatment Plant engineers recommended that the City inform Powell Construction that work can not proceed until the bank is stabilized due to the City's concerns for personal safety of workers involved as well as the disruption of city utility lines and public highway facilities and fixtures.

It was also the engineer's opinion that the City Commission per the contract with Powell Construction, has no right to determine the method of stability. The slippage is alleged to be caused by improper excavation so it is the sole responsibility of the contractor to find a remedy.

The City Commission directed their attorney for this project, Larry Webster, to write a letter to Powell Construction Company demanding that the slippage be stabilized immediately and not to proceed with the excavation of Junction Chamber #2 until the slippage is resolved.

Robert Page made the motion to adjourn to closed session for the purpose of discussing a personnel matter. Robert Weddle seconded the motion. The motion carried unanimously.

Robert Page made the motion, seconded by Greg Justice to reconvene. The motion carried 3 - 0 - 2 (Robert Weddle and Frank Morris had left before the closed session was over)

Robert Page made the motion, seconded by Greg Justice to adjourn. The motion carried 3 - 0.

APPROVED _____