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**Vogtle Project**

March 26, 1986

Director of Nuclear Reactor Regulation  
Attention: Mr. B. J. Youngblood  
PWR Project Directorate #4  
Division of PWR Licensing A  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

File: X7BC35  
Log: GN-822

NRC DOCKET NUMBERS 50-424 AND 50-425  
CONSTRUCTION PERMIT NUMBERS CPPR-108 AND CPPR-109  
VOGTLE ELECTRIC GENERATING PLANT - UNITS 1 AND 2  
MODIFICATIONS TO THE POWER BLOCK BACKFILL

Dear Mr. Denton:

This is to advise you that Georgia Power Company (GPC) is making some minor modifications to the power block backfill as discussed below. None of these changes have any effect on safety-related structures, systems or components. The top layers over the in-situ slopes forming the west side of the power block excavation and above elevation 206 will be backfilled with Category 2 material to 95 percent of the maximum density determined in accordance with ASTM D 1557. This area, which is bounded by the coordinates N73+49 to N86+20 and E89+79 to E91+38 and shown in Figures 1 and 2, was previously considered a part of the Category 1 backfill area.

This modification to the backfill is justified because:

- o The top layers are above the water table and will not affect the liquefaction analysis. Although as explained below liquefaction in this area would not be a licensing concern.
- o The area is above the excavation slopes which are composed of in-situ soils and are therefore not used to support Category 1 structures, systems, or components.
- o The area is remote from Category 1 structures and will not affect their foundation support in any way.

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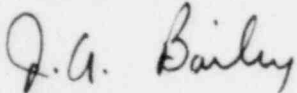
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In addition, GPC will substitute up to 24 inches of graded aggregate material for the sand and silty sand backfill as the power block fill is brought to finished grade. This material, which will be compacted to 97 percent of the maximum density determined in accordance with ASTM D 1557, will serve to protect the sand and silty sand Category 1 backfill from erosion and vehicular traffic. Acceptance of the lifts of the graded aggregate material will be based on field density tests made at a depth of 6 inches. None of the graded aggregate material is used to support Category 1 structures. This substitution of aggregate is an improvement, particularly with regard to erosion resistance of the backfill.

GPC will include these minor changes in a future FSAR amendment. These changes will be implemented beginning April 15, 1986.

If there are any questions for clarification, please let me know.

Sincerely,



J. A. Bailey  
Project Licensing Manager

JAB/sm  
Enclosure

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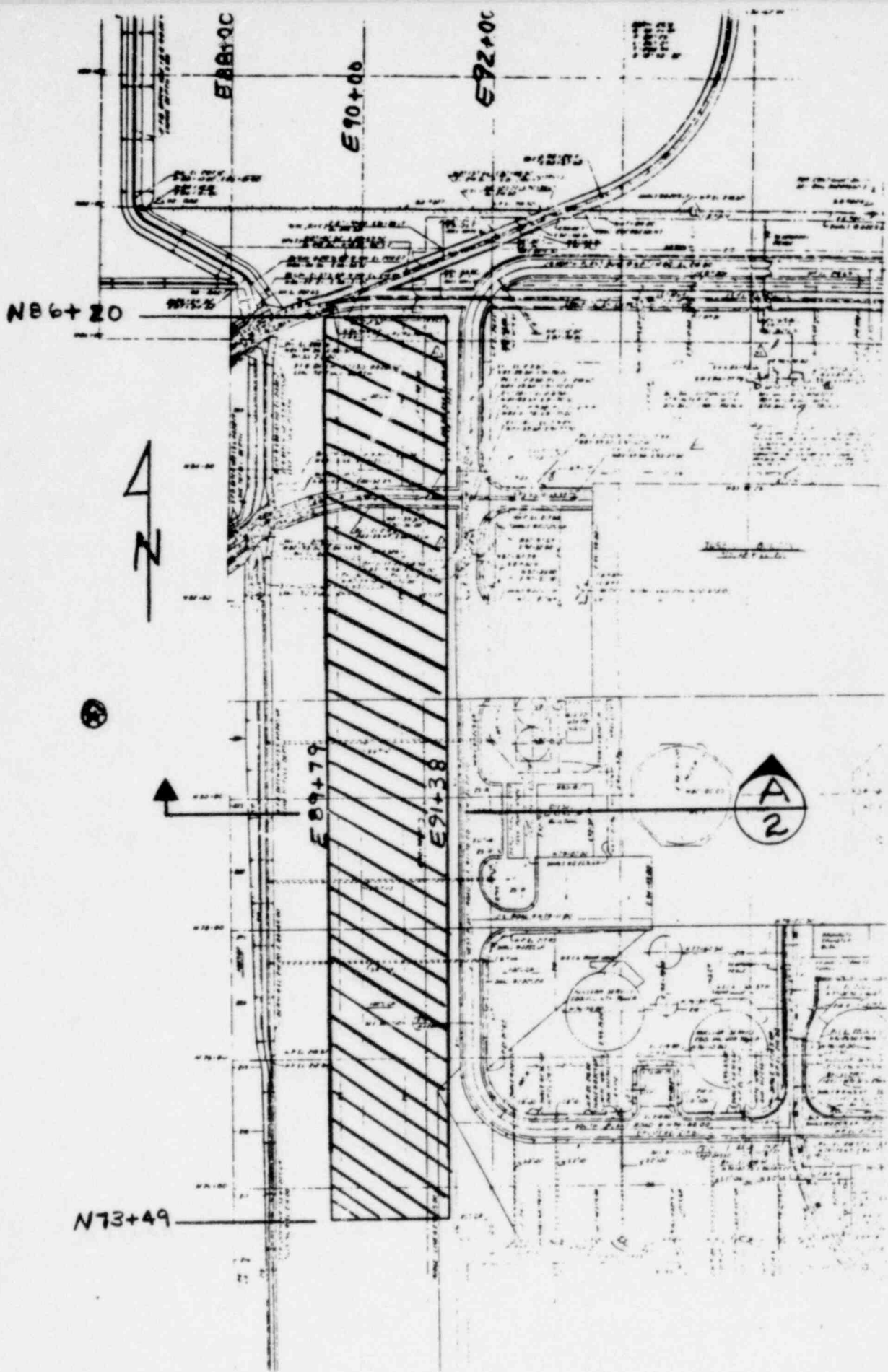
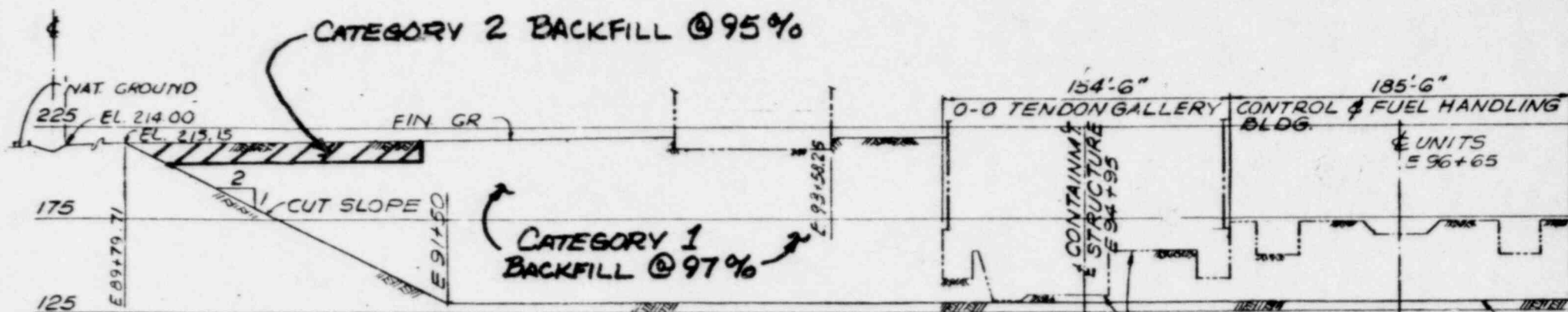


FIGURE 1



SECTION (A)

FIGURE 2