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26 OCT 1982

From: Public Works Officer
To: Natural Resources and Environmental Affairs Division

Subj: Preliminary Environmental Assessment for Proposed Substation and Feeder Line

Ref: (a) BO 11000.1A

Encl: (1) Preliminary Environmental Assessment
(2) Site showing government boundary lines
(3) Site showing substation site and feeder site

1. In accordance with the reference, a preliminary environmental assessment is submitted for approval as enclosure (1).
2. For your information and use, enclosures (2) and (3) are also submitted.

R. E. CARLSON

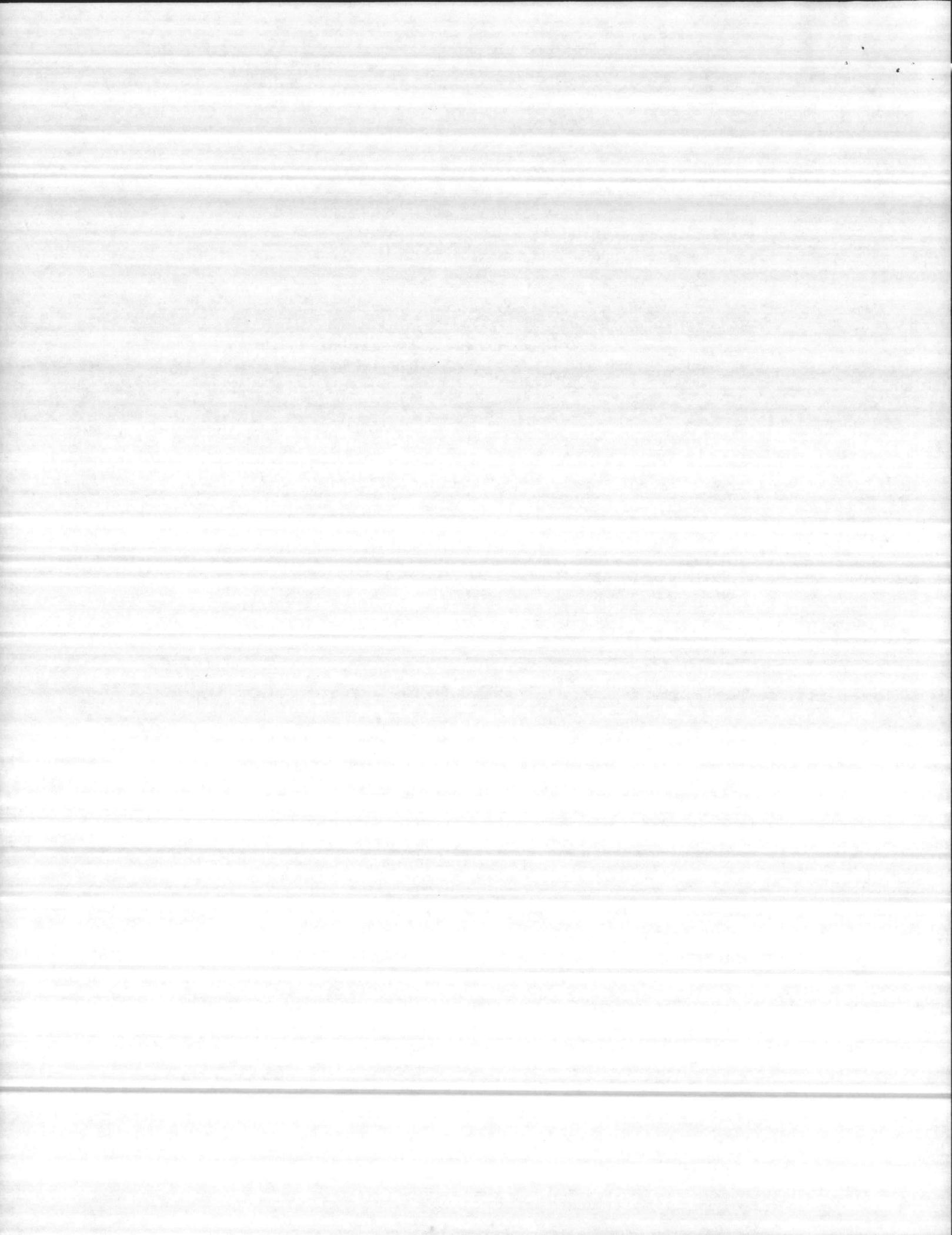
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PRELIMINARY ENVIRONMENTAL

IMPACT ASSESSMENT

New 230 KV-23 KV Substation
with Related Facilities
and Feeder Distribution Line

Prepared By:
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Realty Specialist
Public Works Dept.
Camp Lejeune, NC
20 October 1982



1. ACTION PROJECT DESCRIPTION

a. Project Description: 1,844 housing units at Tarawa Terrace are presently being renovated and converted to all electric with heat pump HVAC. In order to meet the increased electrical demands resulting from this conversion, Carolina Power and Light Company is planning to construct a 230 KV to 23 KV substation on a reserved site close to the old power plant, Building 45, just outside the main gate. Also, a CP&L distribution feeder will originate in this substation and be routed west to the Housing Project. The proposed feeder to Tarawa Terrace is to be overhead that crosses the Government property and underwater at Northeast Creek. For your information, Camp Lejeune's property and boundary rights terminate at the high water line of Northeast Creek, as shown by red lines on enclosure (2). Enclosure (3) shows the proposed substation and proposed distribution feeder path which will be located along land already cleared previously for the existing feeder line.

b. Carolina Power and Light Company feels that the winter load at Tarawa Terrace could reach 16,800 KW. Our existing facilities serving Tarawa Terrace have a maximum winter capacity of 7,300 KW. Therefore, if CP&L is to be expected to meet the winter electrical demands at Tarawa Terrace, the subject facilities and feeder line need to be constructed.

c. The only alternative to the line construction will be to schedule rotating feeder interruptions at Tarawa Terrace during extreme cold weather. A timely completion of the distribution line will be of mutual benefit to the United States Marine Corps and its dependents at Tarawa Terrace and to CP&L.

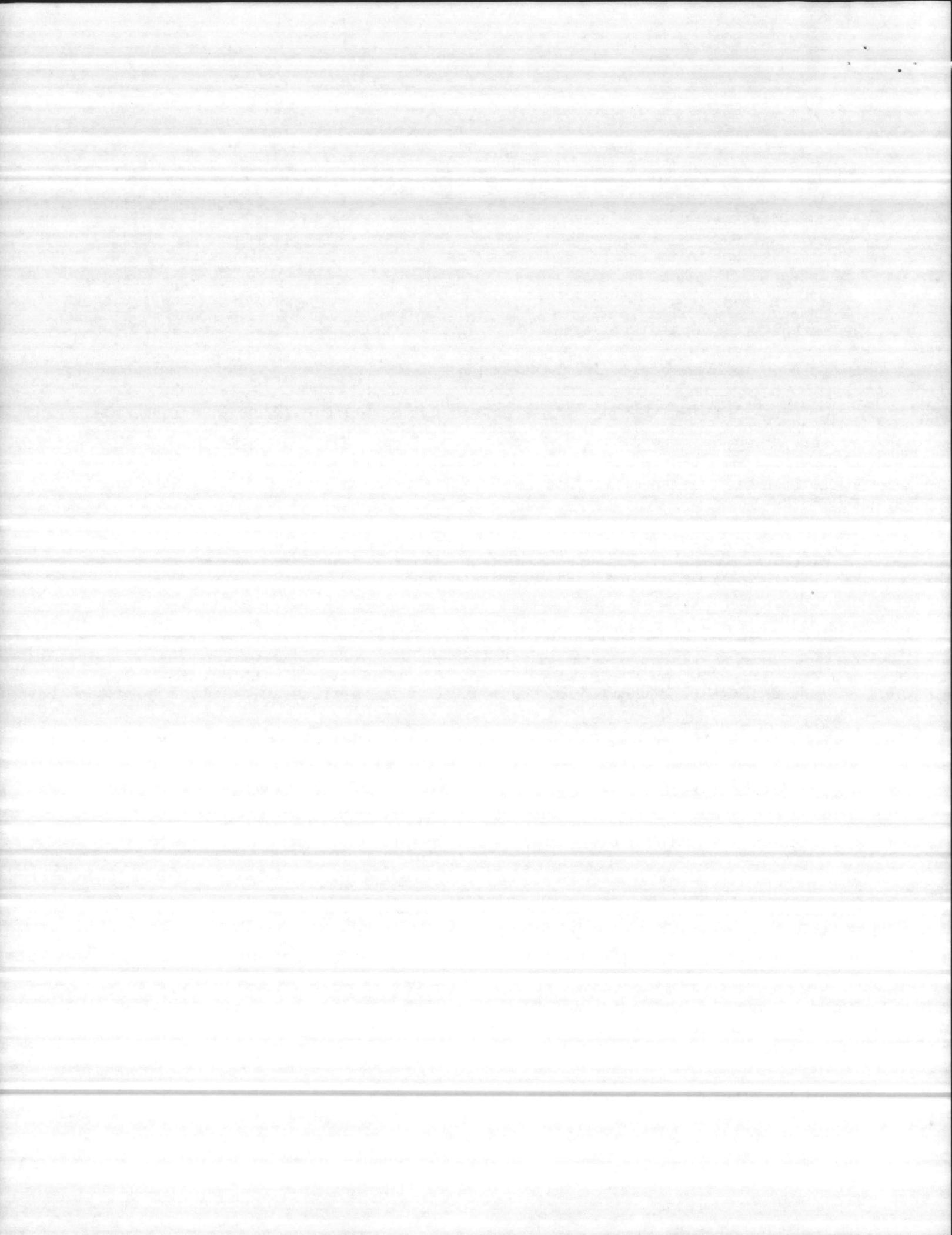
2. CONSIDERATION OF ALTERNATIVES AND SITE SELECTION. This is the only alternative site, as the new feeder line will replace existing line that follows property already cleared off. The alternative to building the feeder line will result in power interruptions at Tarawa Terrace.

3. PERMANENT FACILITIES REQUIRED. 230 KV to 23 KV substation with related facilities and feeder distribution line.

4. SITE REQUIREMENTS. The existing environment of the proposed site is in a cleared area.

5. COMPLIANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS AND GUIDELINES.

- a. Endangered Species Act: Not applicable.
- b. Clean Water Act: No hazardous wastes will be generated by this project.
- c. Clean Air Act: No discharge of air pollutants in this project.
- d. Coastal Zone Management Act (CAMA): Carolina Power & Light Company is in the process of getting permit from Coastal Zone Management personnel.



e. ARCHAEOLOGICAL AND HISTORIC PRESERVATION ACT: There is no evidence that the site is covered by this Act.

f. NORTH CAROLINA EROSION AND SEDIMENTATION REGULATION: There is no significant potential sediment leaving the site.

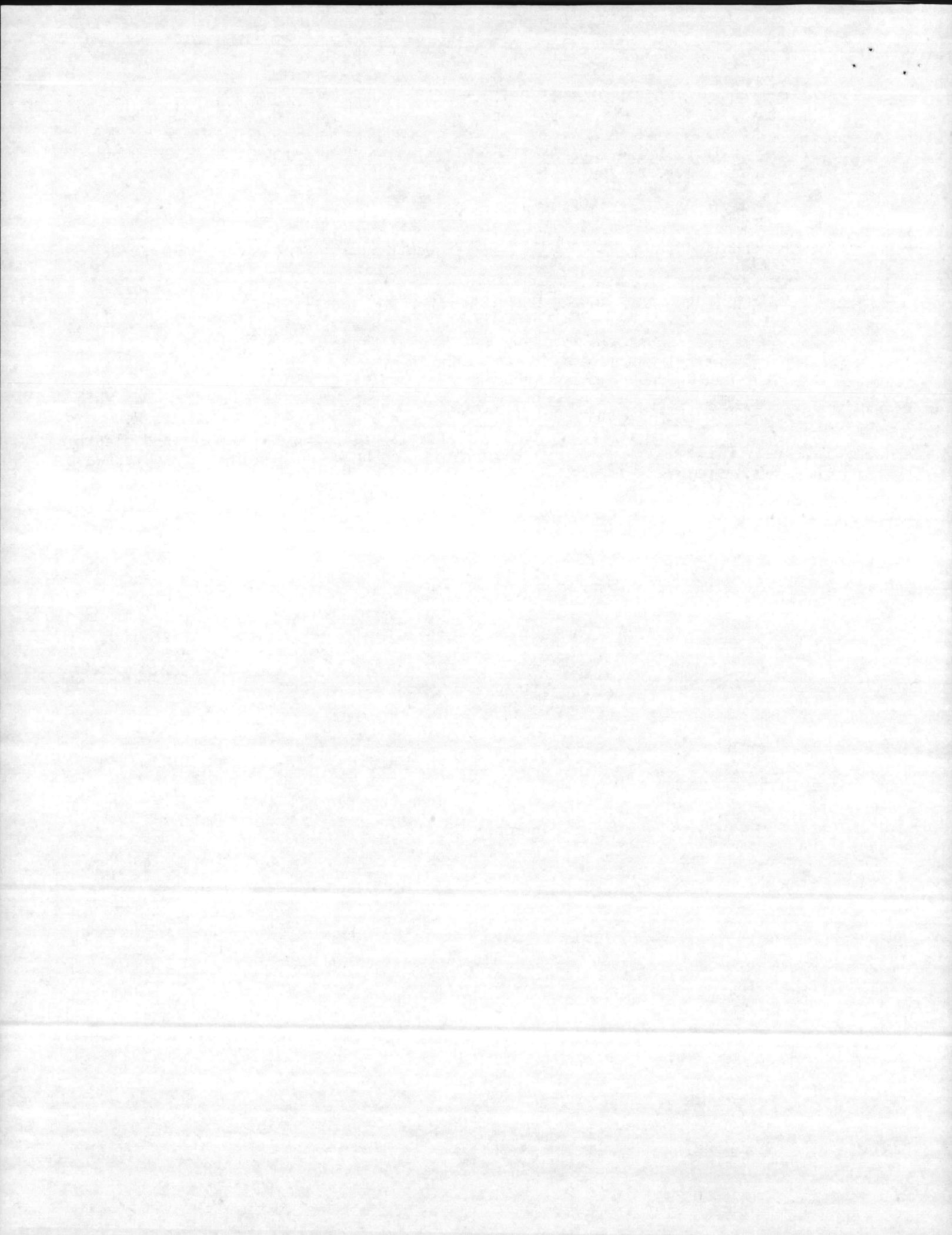
g. HAZARDOUS MATERIAL AND HAZARDOUS WASTE DISPOSAL: Not Applicable.

h. PROTECTION OF WETLANDS/EXECUTIVE ORDER 11990: Not applicable (refer to Item 3).

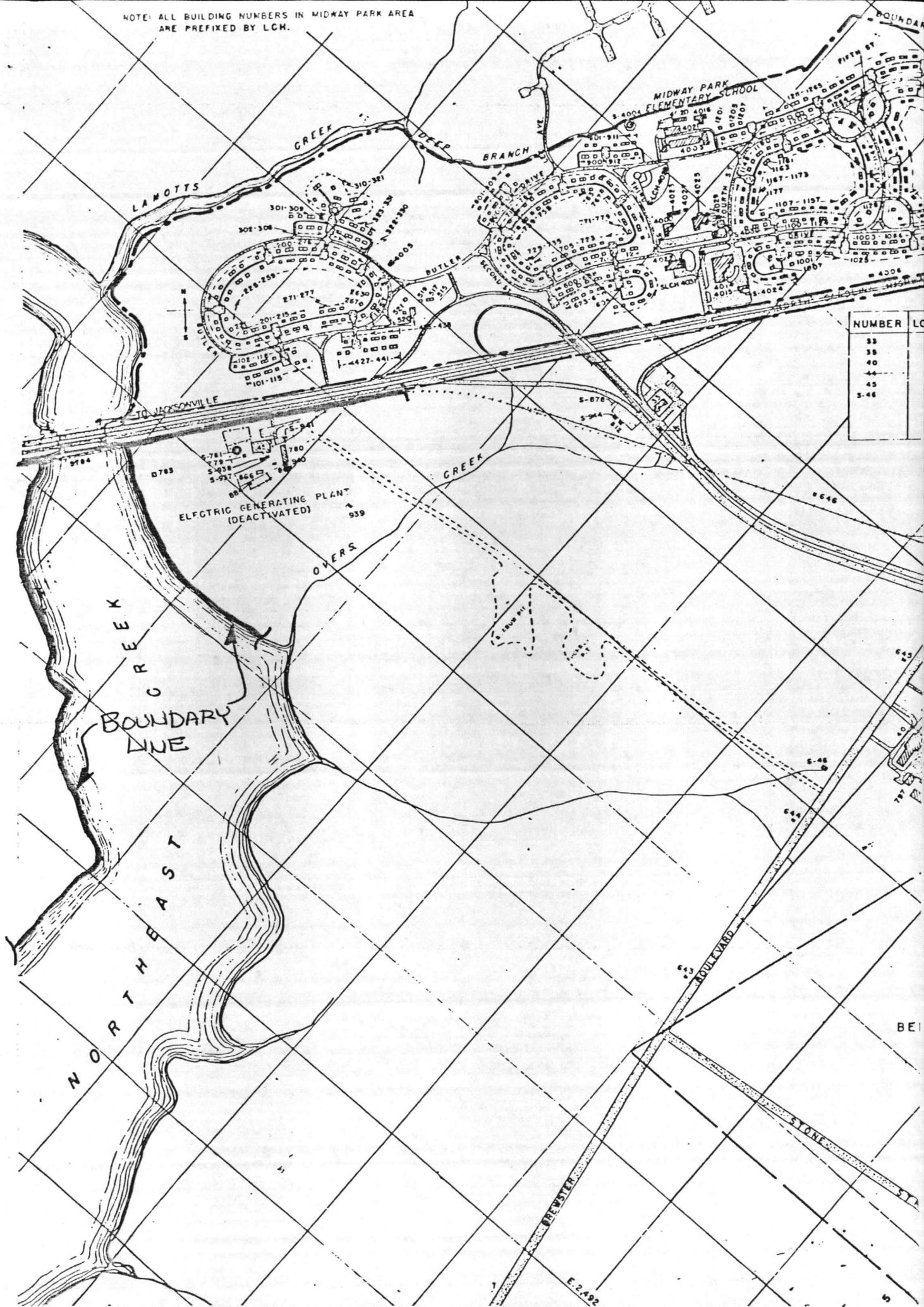
i. SANITARY WASTE AND REFUSE DISPOSAL: Not applicable.

j. PERMIT REQUIREMENTS: Carolina Power & Light Company has been issued a permit from the Army Corps of Engineers, Wilmington, North Carolina, for the crossing under Northeast Creek.

k. HOW DOES THE PROPOSED ACTION IMPACT ON OTHER BASE FUNCTIONS AND MISSIONS: This project has a positive impact, as it will provide for the increased electrical demands for the new heat pumps, thus preventing brown-outs for areas at Tarawa Terrace Housing.



NOTE: ALL BUILDING NUMBERS IN MIDWAY PARK AREA ARE PREFIXED BY LCM.



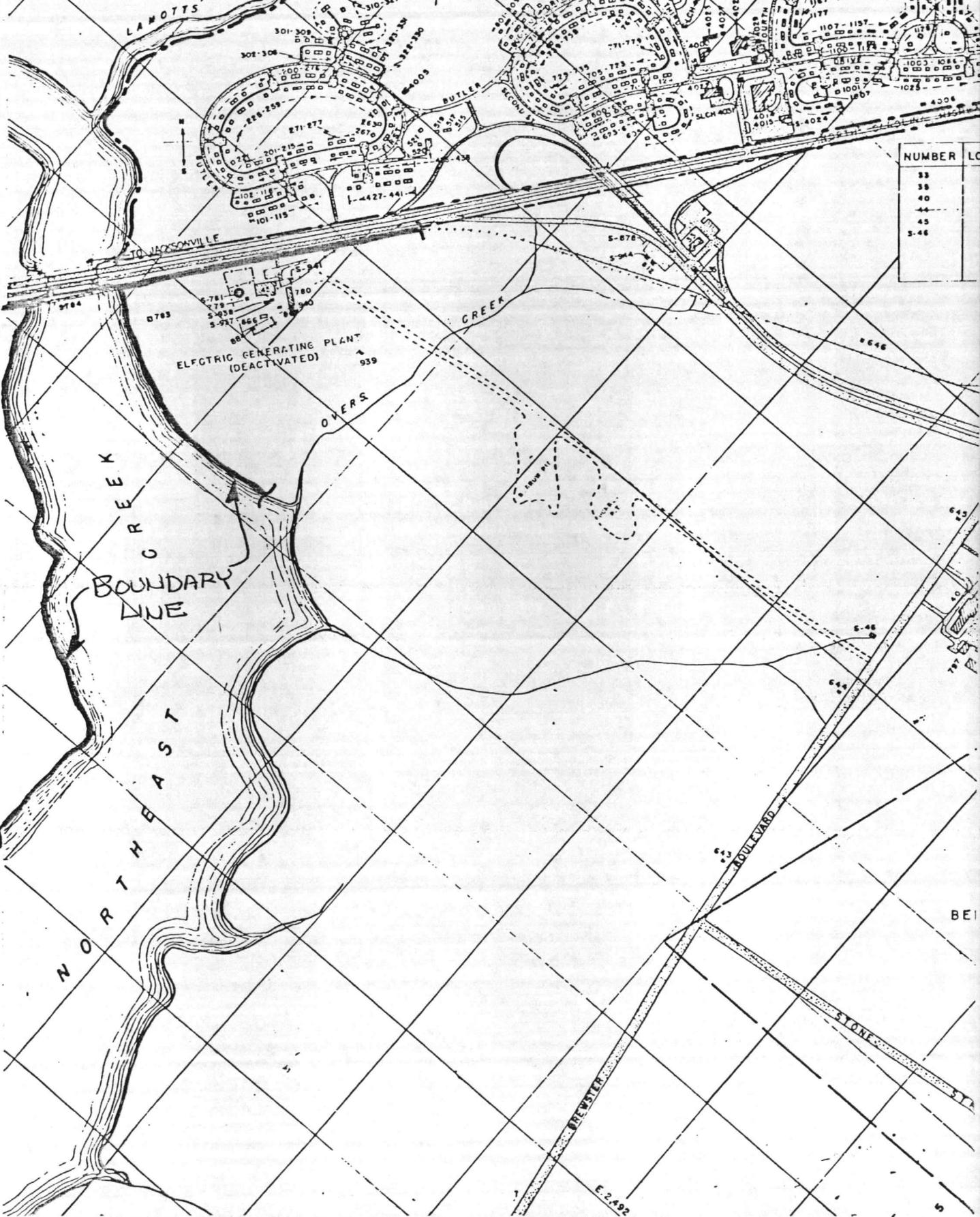
NUMBER	LOC.
33	
38	
40	
44	
45	
3-46	

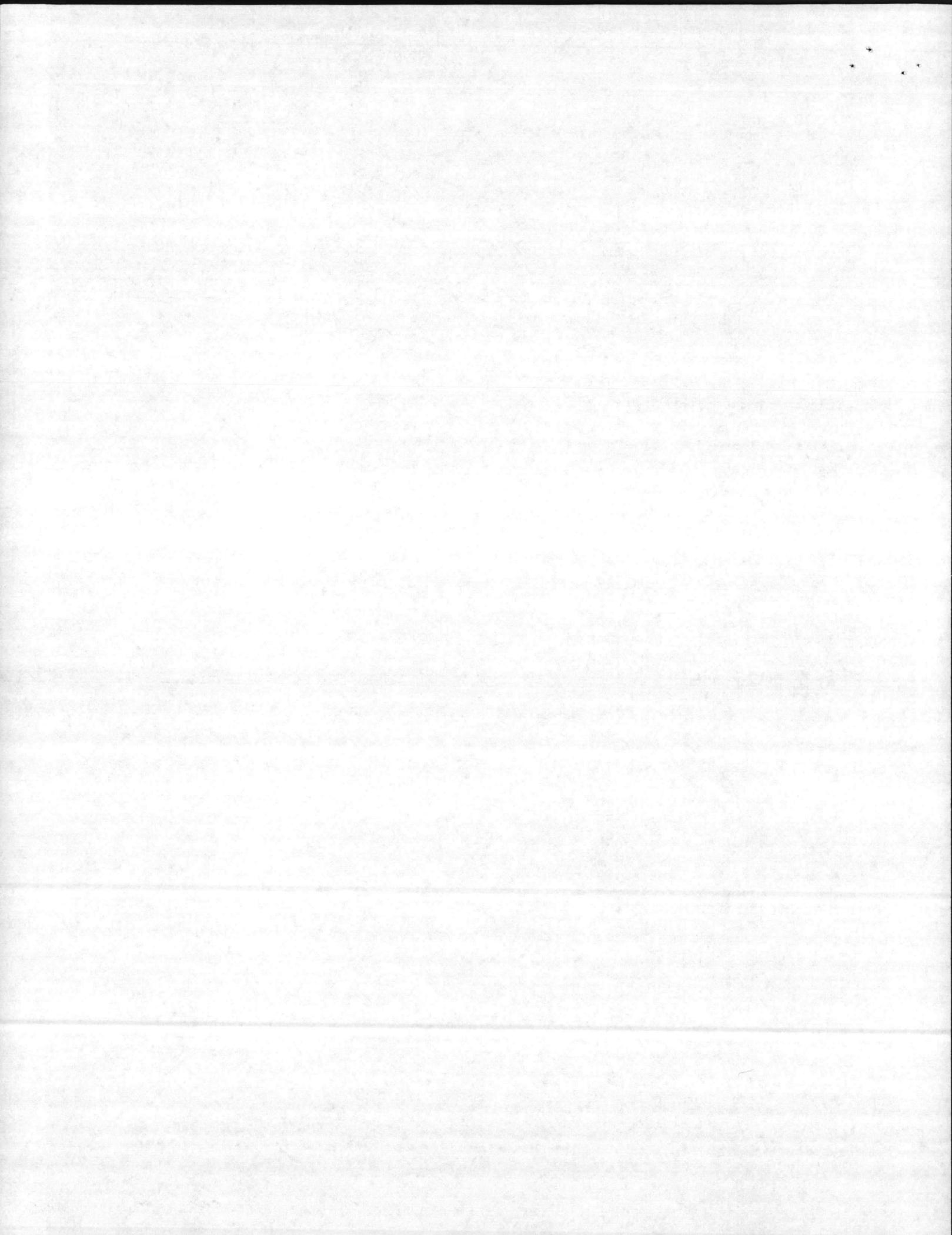
BOUNDARY LINE

NORTH EAST

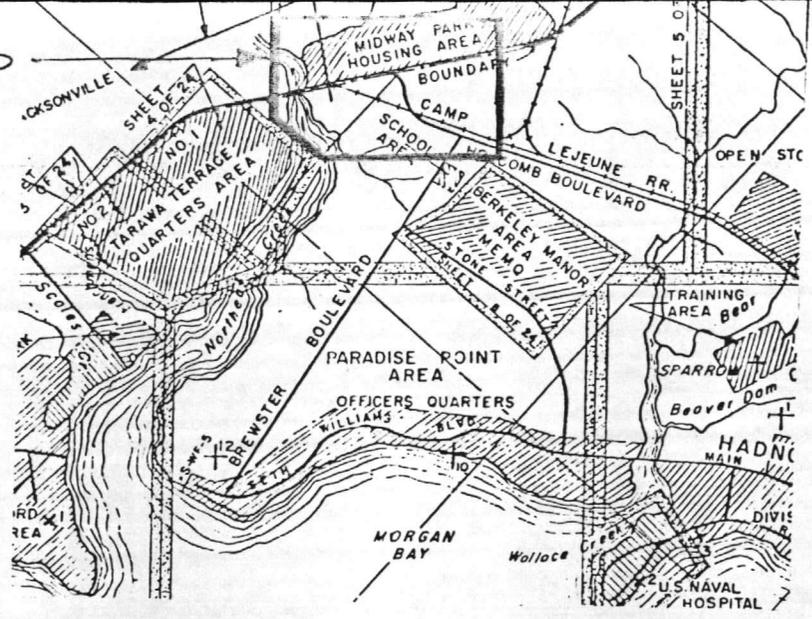
MIDWAY PARK ELEMENTARY SCHOOL

ELECTRIC GENERATING PLANT (DEACTIVATED)

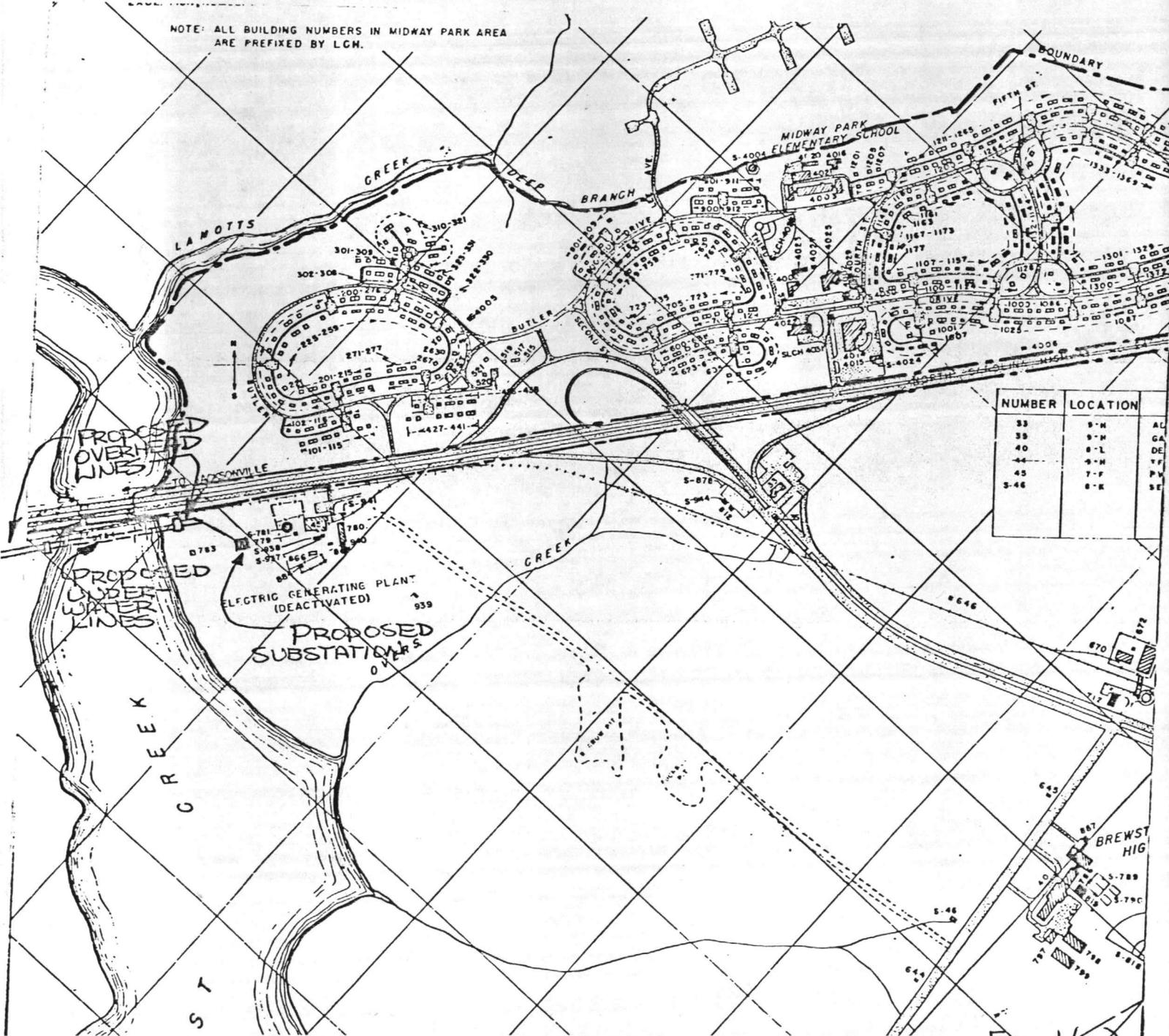




SEE BLOW-UP SECTION BELOW



NOTE: ALL BUILDING NUMBERS IN MIDWAY PARK AREA ARE PREFIXED BY LGM.



NUMBER	LOCATION	
33	9-M	AL
39	9-M	GA
40	8-L	DE
44	9-M	TF
45	7-F	PW
S-46	6-E	SE

