

FROM: LeBoeuf, Lamb, Leiby, & MacRae Washington, D.C. 20036 E.B Thomas		DATE OF DOC 12-11-73	DATE REC'D 12-11-73	LTR X	MEMO	RPT	OTHER
TO: L.M. Muntzing		ORIG 1 signed	CC	OTHER	SENT AEC PDR SENT LOCAL PDR		XXX XXX
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-410		

DESCRIPTION:
Ltr submitted on behalf of the Niagara Mohawk Power Corporation, re their 12-5-73 ltr, trans the following.....

ENCLOSURES:
Niagara Mohawk Power Corporation ltr dtd 12-11-73 submitting add'l info to their request for an exemption.....

ACKNOWLEDGED

(1 signed & 9 cys encl rec'd)

SAME DIST AS Control #8662

PLANT NAME: Nine Mile Point #2

DO NOT REMOVE

FOR ACTION/INFORMATION 12-11-73 JB

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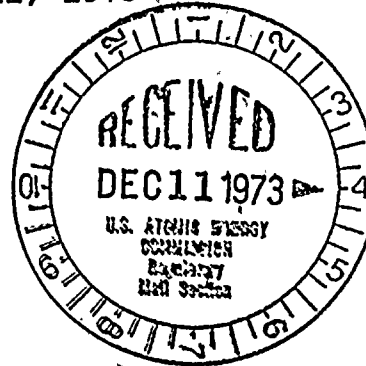
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WASHINGTON PARTNERS

ONE CHASE MANHATTAN PLAZA
NEW YORK, N.Y. 10005

WASHINGTON TELEPHONE
202-872-8868

CABLE ADDRESS
LALALU, WASHINGTON D.C.

December 11, 1973



Mr. L. Manning Muntzing
Director of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Re: Niagara Mohawk Power Corporation
Nine Mile Point Nuclear Station - Unit 2
AEC Docket No. 50-410

Dear Mr. Muntzing:

On December 5, 1973, we transmitted to you an original and nine copies of a request for an exemption order under Section 50.12 of the Commission's Regulations. In reviewing this exemption request it was found that additional information was necessary.

Accordingly, we transmit an original and nine copies containing information which supplements the original request.

Copies of this additional information have been sent to the parties in the above-captioned proceeding. Again, for their information, copies have also been sent to the members of the hearing board and to the counsel for the Environmental Defense Fund.

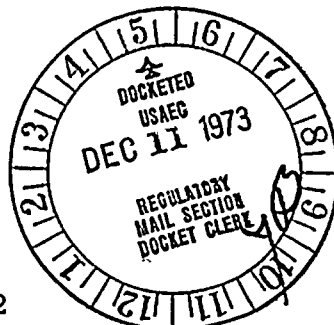
Very truly yours,

LEBOEUF, LAMB, LEIBY & MACRAE

By Eugene B. Thomas, Jr.
Eugene B. Thomas, Jr.
Partner

Enclosure

cc: See page 2



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MEMORANDUM FOR THE RECORD

On 10/15/54, the following information was received from the [redacted] regarding the [redacted] of the [redacted] in the [redacted] area.

The [redacted] was [redacted] by the [redacted] on [redacted] at [redacted] hours. The [redacted] was [redacted] by the [redacted] on [redacted] at [redacted] hours.

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cc: Daniel M. Head, Esq.
Dr. Marvin M. Mann
Dr. William E. Martin
Bernard M. Bordenick, Esq.
Carmine J. Clemente, Esq.
Richard I. Goldsmith, Esq.
Anthony Z. Roisman, Esq.



NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N.Y. 13202

December 11, 1973

Mr. L. Manning Muntzing
Director of Regulation
U.S. Atomic Energy Commission
Washington, D. C. 20545

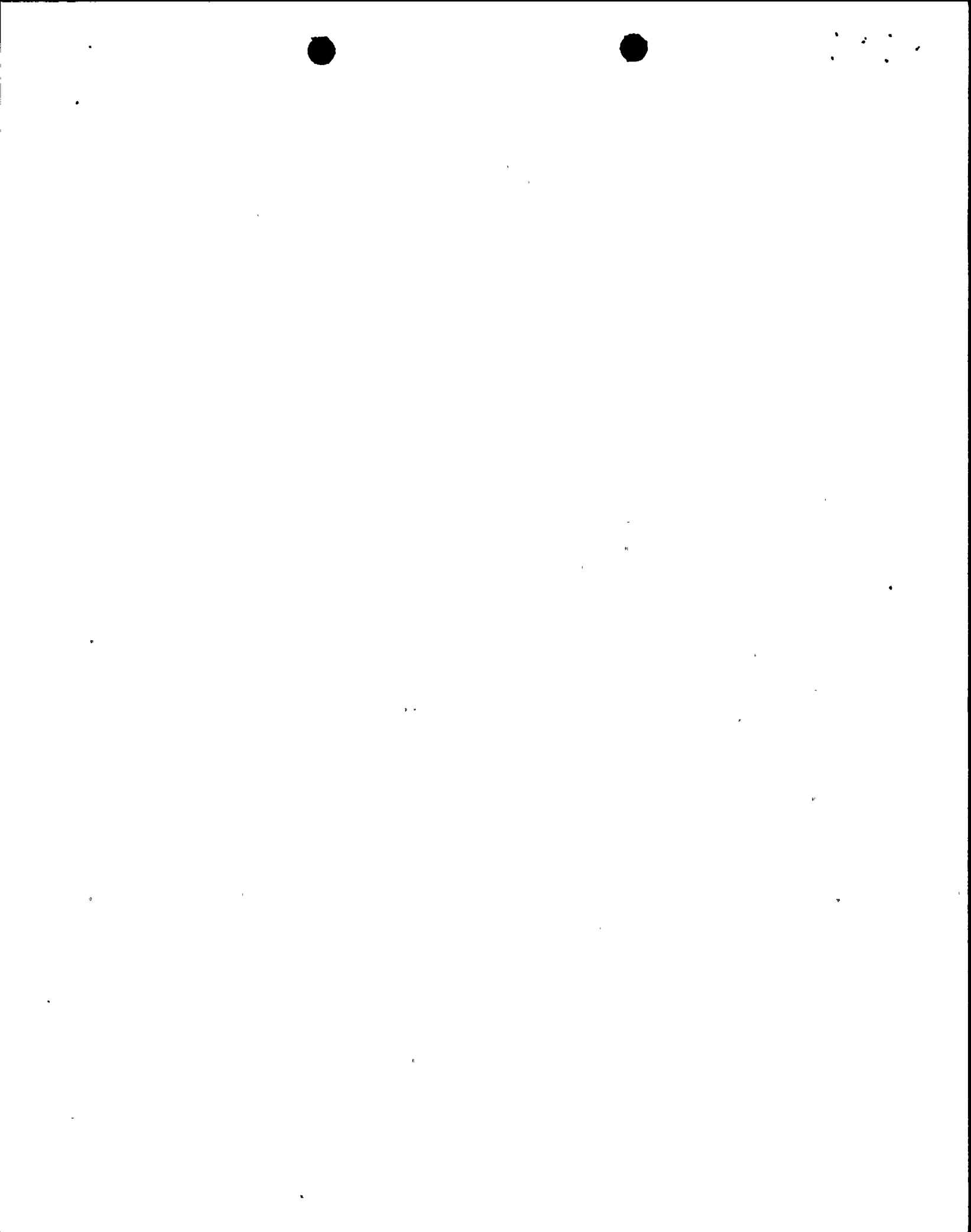
Re: Nine Mile Point Nuclear Station - Unit 2
AEC Docket No. 50-410

Dear Mr. Muntzing:

On December 4, 1973, Niagara Mohawk Power Corporation submitted to the Commission a request pursuant to Section 50.12 of the Commission's regulations requesting an exemption to start certain work at its proposed Nine Mile Point Nuclear Station - Unit 2. In addition to the work described in detail in the submittal, permission was "requested to erect temporary construction facilities, potable water supplies, sewage facilities, fire fighting facilities, and the concrete batch plant." The purpose of this letter is to give in detail the scope of the work involved in the above listed activities.

Temporary Construction Facilities

Four construction buildings which are described below will be required to support an orderly construction program. All of the buildings



are pre-engineered, steel structures with pier and grade beam, reinforced concrete foundations, and all will have electric heat and sprinkler fire protection. The total present day cost of these four facilities (excluding escalation and interest during construction) is estimated to be \$1,217,000 through July 1, 1974. If a construction permit is not obtained, the environmental impact of the construction of these facilities is reversible in that the land can be reclaimed to its original appearance for an approximate cost of \$1,095,000. The relative locations of these buildings are shown on the attached Figure 1.

Combined Construction Office Building

This building will be a 100 feet by 500 feet air conditioned structure and is scheduled to be built between April 15, 1974 and August 15, 1974.

Construction Warehouse

This building will be a 160 feet by 400 feet structure. Attached to the main structure are two enclosed 40 feet by 60 feet truck loading docks of similar construction. The interior finish will include controlled environment storage areas (e. g. humidity and temperature control) and receiving offices. This building is scheduled to be built between June 15, 1974 and November 1, 1974.

Pipe Fabrication Shop and Nondestructive Testing Laboratory

This will be an L-shaped building, 80 feet by 120 feet for the pipe fabrication shop and 60 feet by 60 feet for the nondestructive testing laboratory. The laboratory will include a welder qualification area,



radiograph processing and reading rooms, offices, and soils and concrete testing area. This facility is scheduled to be built between April 15, 1974 and July 15, 1974.

Construction Change House

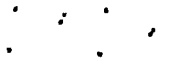
The construction change house will be a facility in which the construction forces can change into proper work attire. It also provides a clean area in which they can eat lunch. This facility will generally include benches, tables, and clothing storage provisions. The facility will be an 80 feet by 300 feet structure divided by a fire wall and is scheduled to be built between June 15, 1974 and November 1, 1974.

Potable Water Supplies

During the period of time covered by the exemption request, approximately 50 percent of the yard potable water system is scheduled to be completed. This work will consist of excavation for and installation of fiberglass piping from the existing potable water main which runs North of Lake Road to the temporary construction facilities. In addition, a reinforced concrete meter pit will be installed. The total present day cost of these activities (excluding escalation and interest during construction) is estimated to be \$70,000. If a construction permit is not obtained, the environmental impact of these activities is reversible in that the land can be reclaimed to its original appearance for an approximate cost of \$49,000.

Sewage Facilities

During the period of time covered by the requested exemption



approximately 50 percent of the Yard Sewage Facilities will be completed. The "yard" is that area within the confines of the construction zone, but outside of any building or structure. A duplex sewage pumping station will be erected and sanitary sewage lines, including gravity and forced mains, will be installed from the excavation edge of Unit 2 (for later hook-up to the unit) and from the temporary construction facilities to the existing Unit 1 sewage treatment plant.

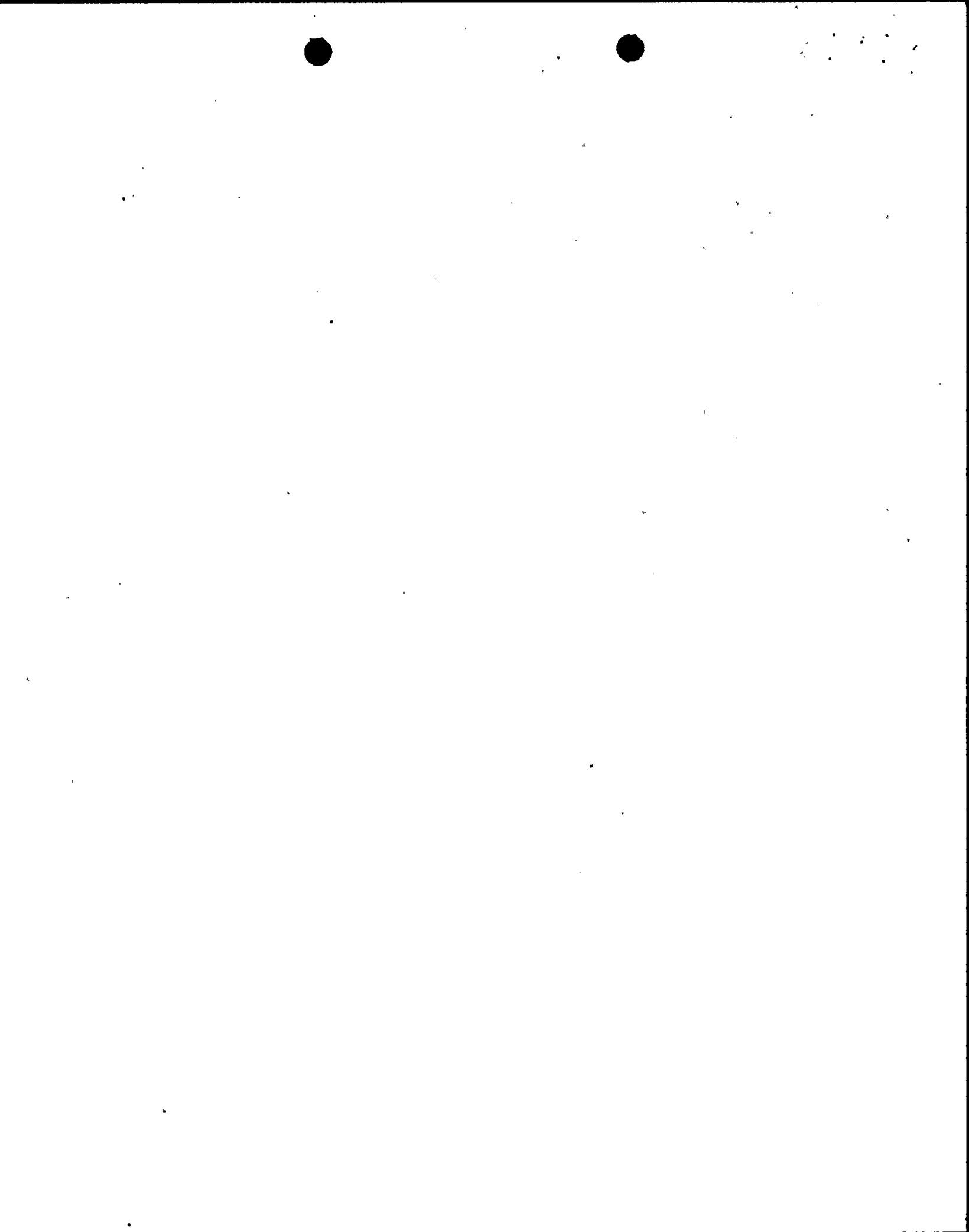
The total present day field cost associated with these activities (excluding escalation and interest during construction) is \$67,000. If a construction permit is not obtained, the environmental impact of these activities is reversible in that the land can be reclaimed to its original appearance for an approximate cost of \$46,000.

Although not covered by this request, a construction sanitary facility is scheduled to be built between July 15, 1974 and October 15, 1974. This will be a 40 feet by 60 feet pre-engineered, steel structure with a pier and grade beam, reinforced concrete foundation. Interior finish will include water closets, urinals and lavatories. During the period of time from start of construction until this facility is complete, portable, chemical toilets will be used.

The location of duplex sewage pumping station and the construction sanitary facility is shown on the attached Figure 1.

Fire Fighting Facilities

During the period of time covered by this exemption request,



the auxiliary fire pump house will be constructed and approximately 40 percent of the yard fire lines will be installed.

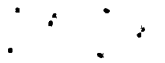
The auxiliary fire pump house will be founded in bedrock and will have gravity water supply from the Unit 1 screenwell. The excavation for this facility and the supply line from the Unit 1 screenwell was included in the original request. Additional work will include construction of the reinforced concrete substructure and the masonry superstructure and installation of associated equipment and piping.

Yard fire lines and associated valving will be installed underground from the fire pump house to 15 fire hydrants which are strategically located about the site.

The total present day cost of these activities (excluding escalation and interest during construction) is estimated to be \$310,000. If a construction permit is not obtained, the environmental impact of these activities is reversible in that the land can be reclaimed to its original appearance for an approximate cost of \$280,000. The location of the auxiliary fire pump house is shown on the attached Figure 1.

Concrete Batch Plant

A concrete batching facility will be built on site during the period covered by the requested exemption. The primary and backup batch plants will cover a 400 feet by 650 feet area located approximately 1650 feet Southeast of the Unit 2 reactor building and is shown on the attached Figures 1 and 2. Although space is allocated for the backup plant, an existing offsite facility will be utilized if possible. A temporary building will be provided to house the plant offices, the steam



boiler and the water chilling and ice crushing equipment.

Aggregates will be stored in seven, 60 feet diameter, above ground stockpiles as shown in Figure 2. Conveyors will be provided to transport aggregate from the stockpiles to the plant storage hoppers. It is anticipated that coarse aggregate will be obtained from quarries in the Jamesville, N. Y. area and fine aggregates will come from sources in Lacona, N. Y. Aggregates and cement will be delivered to the site by truck.

The primary plant will be the main source of concrete and will have a capacity of 125 cubic yards per hour with eight cubic yard batches. The backup plant will have minimum capacity of 45 cubic yards per hour.

The total present day cost of this facility (excluding escalation and interest during construction) is estimated to be \$700,000. If a construction permit is not obtained, the environmental impact of this activity is reversible in that the land can be reclaimed to its original appearance for an approximate cost of \$600,000.

Yard Storm Drainage

During the period covered by the requested exemption, approximately 40 percent of the storm drainage system is scheduled to be completed. This work will involve the underground installation of vitrified clay and fiberglass piping and associated precast concrete manholes. The total present day cost activities (excluding escalation and interest during construction) is estimated to be \$120,000. If a construction permit is not obtained, the environmental impact of these activities is reversible



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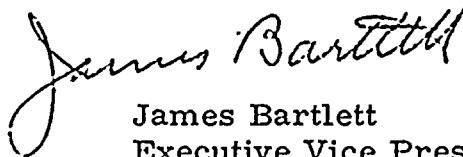
in that the land can be reclaimed to its original appearance for an approximate cost of \$84,000.

The environmental impact of the activities described in this letter was considered as part of the original request. No additional impact is anticipated other than that previously described.

The cost figures in this letter are in addition to those quoted on page 10 of the original exemption request. Table 1 is a summary of the cost of work to be performed as part of this exemption request and the associated cost of reclaiming to its original appearance.

Representatives of Niagara Mohawk and its contractors would be pleased to meet with you to discuss the contents of this letter if you so desire.

Very truly yours,



James Bartlett
Executive Vice President -
Engineering, Operations, and
Employee Relations



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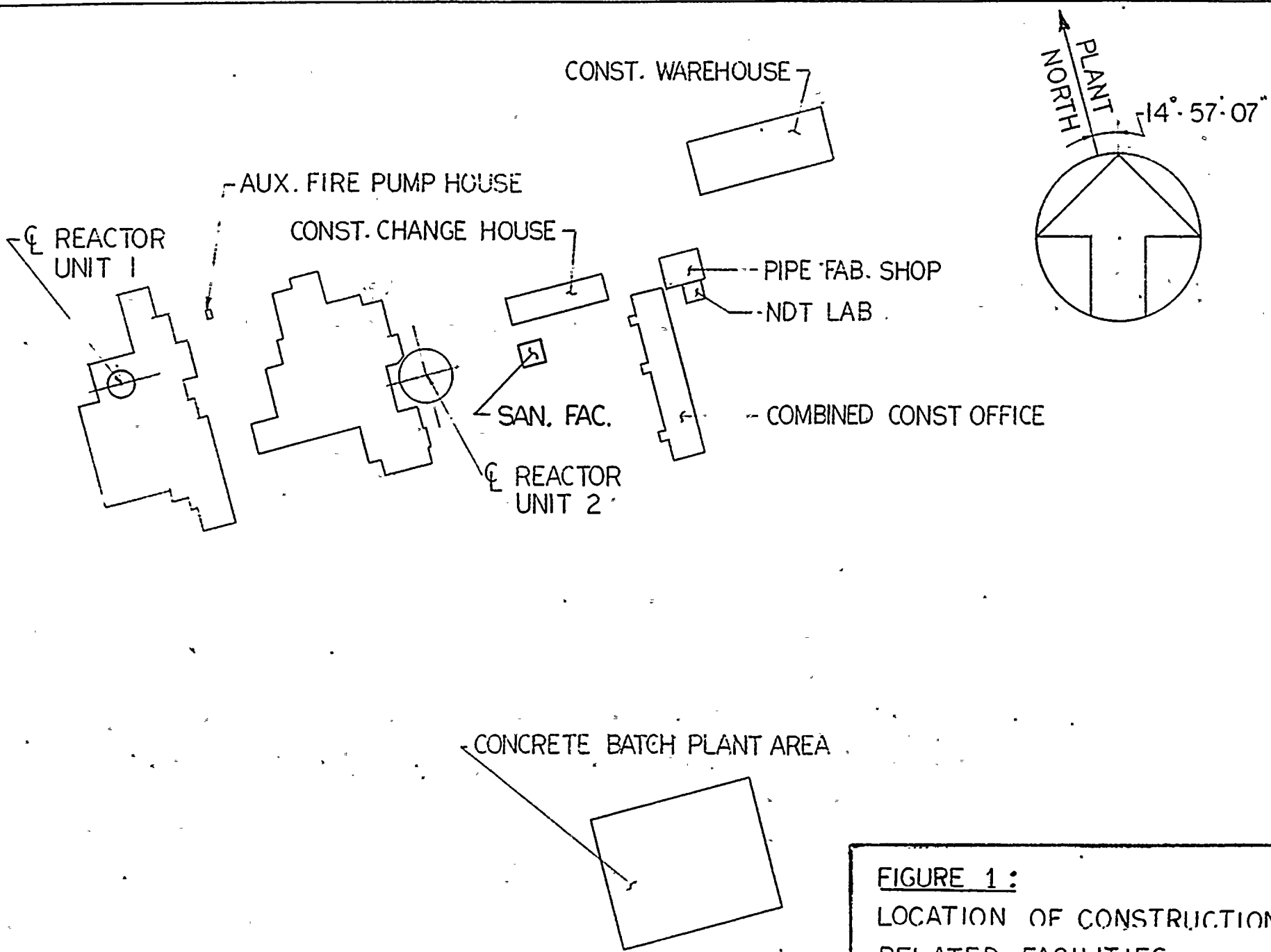


FIGURE 1 :
 LOCATION OF CONSTRUCTION
 RELATED FACILITIES
 NINE MILE POINT
 NUCLEAR STATION -
 UNIT 2



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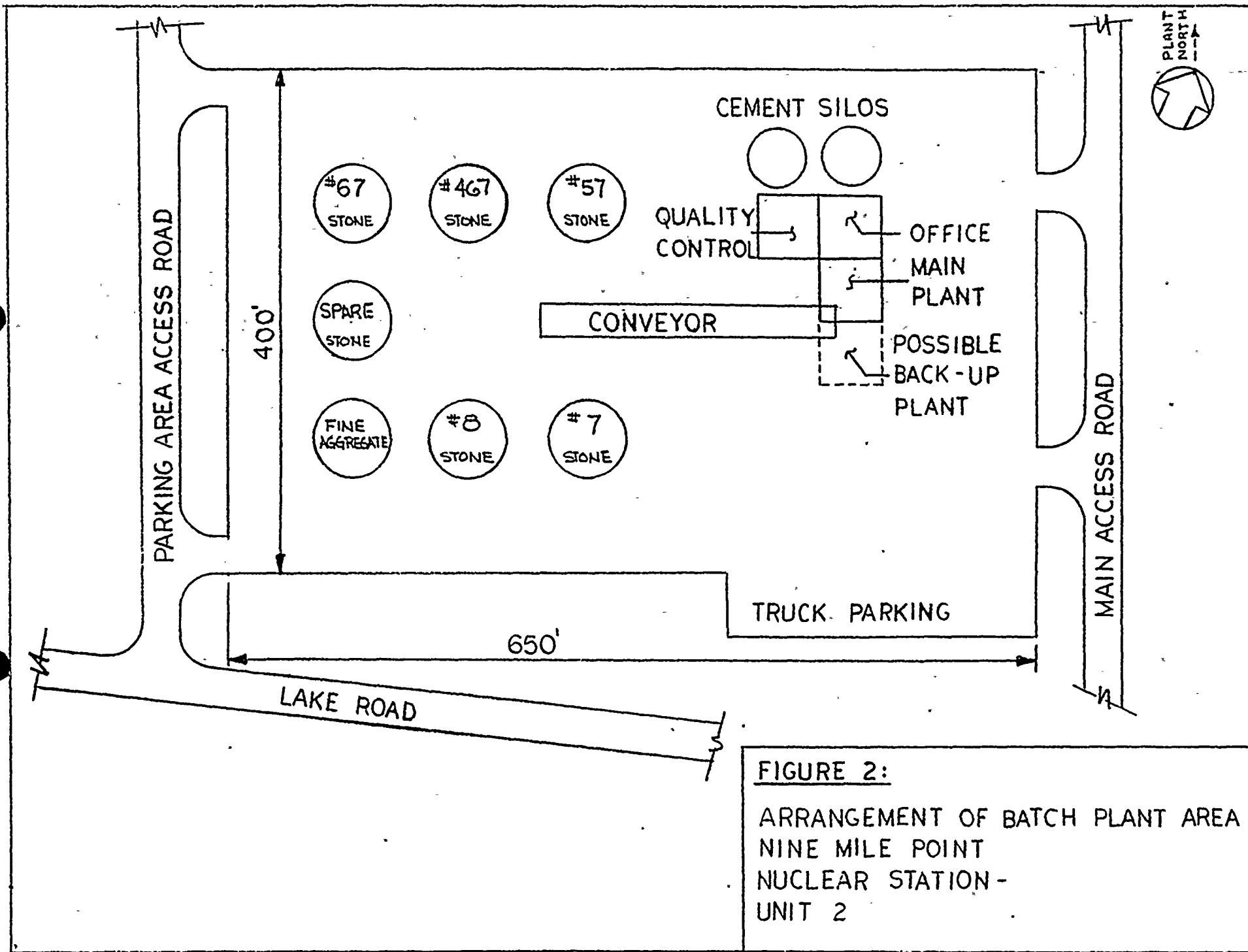


FIGURE 2:

ARRANGEMENT OF BATCH PLANT AREA
 NINE MILE POINT
 NUCLEAR STATION -
 UNIT 2



TABLE 1
 COST SUMMARY OF
 WORK TO BE PERFORMED UNDER
 REQUESTED EXEMPTION
NINE MILE POINT NUCLEAR STATION - UNIT 2

<u>ACTIVITY</u>	<u>COST OF WORK*</u>	<u>COST OF RECLAMATION</u>
Site Clearing and Earth and Rock Excavation	\$4,930,000	\$ 930,000
Erection of Temporary Construction Facilities	1,217,000	1,095,000
Installation of Potable Water Supplies	70,000	49,000
Installation of Sewage Facilities	67,000	46,000
Installation of Fire Fighting Facilities	310,000	280,000
Erection of Concrete Batch Plant	700,000	600,000
Installation of Yard Storm Drainage System	<u>120,000</u>	<u>84,000</u>
Total	\$7,414,000	\$3,084,000

*All costs are present day costs and are exclusive of escalation and interest during construction.

