St. Mary's Hospital
Clarke County
Athens, Georgia

Frank A. Cichanowicz III and Hank Rienecker

A Senior Terminal Problem

Presented for the Degree of

Bachelor of Landscape Architecture

Department of Landscape Architecture
University of Georgia
Athens, Georgia
May 29, 1964

H.B. Owens Resource Center School of Environmental Design Caldwell Hall Iniversity of Georgia .0

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Planting Plan

Introduction

The design of St. Mary's Hospital has been chosen to serve as our senior terminal problem. In reviewing the buildings to be erected and the site as it exists, it was felt that this hospital has many problems encountered by a landscape architect when formulating designs today. In a public building of this type, one must consider carefully the function of pedestrian and vehicular traffic, parking, service, form, appearance, and cost.

Thought has been given to the above-mentioned features.

A solution has been reached which we, the designers, feel

combines these requirements in a way which affords con
venience and a pleasing appearance.

Fourt of Jenus to operate has nospital in 1921. The new wings were later added to the structure in 1941 and 1947 respectively, bringing the building to its present capaci

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#### Historical Sketch

St. Mary's Hospital is presently located on North
Milledge Avenue, one-half mile from down town Athens,
Georgia. The hospital serves Athens and the surrounding rural areas. These outlying areas include industrial
and farming communities.

Avenue was first opened in 1906. Twelve years later, in 1918, the front wing of the hospital was built by Doctors Fullilove and Proctor as a forty-five-bed hospital. At the request of civil and medical groups, the late Most Reverend Archbishop Gerald P. O'Hara, D.D. obtained the services of the Missionary Sisters of the Most Sacred Heart of Jesus to operate the hospital in 1938. Two new wings were later added to the structure in 1941 and 1947 respectively, bringing the building to its present capacity of one hundred beds.

The hospital has been approved and accredited by various medical groups. In 1940 it received its first such approval from the American College of Surgeons and, in 1950, an approval came from the American Medical Association for the training of internes. The hospital

#### Harbortonl Sketch

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was accredited by the Joint Commission on Accreditation of Hospitals in 1954.

In 1959 a fund campaign for the expansion of St.
Mary's was launched. Four years later, in 1963, construction was begun on the new St. Mary's Hospital, on
the north side of Baxter Street, near the Alps Road.

The new St. Mary's Hospital is under construction on eighteen acres of land on Baxter Street across from the Junior High School. This 135-bed hospital will cost \$3,200,000.00 financed from several sources: 33 per cent Hill-Burton participation, 10 per cent Campaign Fund contributions, 10 per cent Donated Sisters Salaries, and 47 percent loans to the hospital.

This completely air-conditioned building will have a ground floor plus five floors for service departments and nursing units. In keeping with present trends, the new St. Mary's will have seventy-five private rooms, twenty-five semi-private rooms, and ten Intensive Care rooms.

Each room will have a toilet and lavatory, and almost all rooms will have a tub or shower. Other new features include an audio-visual nurse call system, patient entertainment system, patient telephones, solariums, and pipedin oxygen and suction.

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In 1979 a fund campaign for the emponeion of 10, deposite was launched, four years later, in 1963, deem struction was begun on the new St. Mary's Hospital, on the north side of Dexter Street, near the Alps Soud.

The new St. Mary's Hospital is under construction on eighteen acres of lend on Santer Street acress from two on eighteen acres of lend on Santer Street acress from the indicated hospital will sort the Junior Sign Compited will sort the Junior Sign Compited will sort the Street acress from the Sign Compited States acress from the Compited States and Compited States and Sont transfer and States Salester, and Sy the tributions, 10 per cent Demaked States Salester, and Sy the tributions, 10 per cent Demaked States Salester, and Sy

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#### STATEMENT OF PROBLEM

The present facilities of St. Mary's Hospital on North Milledge Avenue in Athens have become inadequate. There is virtually no room for expansion on the present site. A building which provides more modern rooms for patients and operating equipment is urgently needed. The present faciliaties are outmoded and outdated. Additional parking space is needed. There is also a need for a convent area and future high school.

Our firm of Cichanowicz & Rienecker has been employed in conjunction with Stevens & Winkinson, architects and engineers from Atlanta to do the grading, parking, and vehicular and pedestrian circulation.

The site is located two and one-tenths miles west of down town Athens on Baxter Street, and 17000 feet south of the Atlanta highway ((78 & 29). It encompasses about twenty-one and three tenths (21.3) acres of slightly hilly land having 628 feet of frontage on Baxter Street and extending 1300 feet north. It is bounded on the north and east by single family, low-income housing and on the west by a drive-in theater and undeveloped area. To the south across Baxter Street is a public school athletic field.

After conferring with Ed Fechtel, Head of the Building

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Committee for St. Mary's Hospital, we chose the following as our aim in this project: (a) landscape development of the immediate hospital area. (b) grading of the entrance area, and (c) development of an efficient pedestrian and vehicular circulation pattern.

The master plan will include:

- 1. Location of existing and proposed buildings.
- 2. Vehicular and pedestrian circulation.
- 3. Parking facilities for employees, visitors, and service vehicles (number of automobiles to be determined).
- 4. Design of the exterior Court east of the cafeteria.
- 5. Regrading of entrance area.

Other plans and documents to be submitted inclue:

- l. Site analysis.
- 2. Grading and staking plan.
- 3. Construction details.
- 4. Planting plan.
- 5. Planting details.
- 6. A scaled model (to be determined).
- 7. Typewritten, bound report to include: a historical sketch, analysis of the problem, justification of the solution, plant list, specifications, cost estimates, and photographs of the buildings and site and all plans.

F. Cichanowicz H. Rienecker

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# GENERAL ANALYSIS

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The existing site was a well established pine wooded area until the grading engineers removed the crest of the hill which resulted in a mechanical grade to the site. The property slopes toward the southeast corner at a 20% slope with a growth of pine trees at the Baxter Street edge. The northern section of the area has a dense pine growth completely covering the property. To the east is a view of Athens overlooking small, single-family dwellings. Opposite the hospital site, facing Baxter Street, is a Junior High School; to the west is the Alps Drive-In Theater which is partially screened with a low growth of pines.

In analyzing this problem, careful consideration needed to be given to the existing conditions and features of the site and its surrounding area. This was done by sub-dividing the problem into the following important considerations.

#### DRAINAGE:

Erosion and surface drainage presented a challenge to the designer. The existing grade for the lawn areas and drives was inadequate because the flow of run off water needed to be better distributed. The winter and spring

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Screen bus astate and the winter and appropriate

rains washed huge gullies across the southeasterly sloping area which should be developed into a lawn on the entrance side of the property. It was obvious that one improvement of this situation would be to drain this portion of the site efficiently and, at the same time, contribute to a more interesting landscape character.

#### SITE PLAN:

The modern structure has been located at the highest point on the property in order to provide pleasing views for the patients. The building has a north-south orientation, which allow maximum sunlight to the patients but restricts the terminal areas of the building for further development. The hospital is ideally located on Baxter Street, 1700 feet south of the Atlanta highway (78 & 29), two and one-tenths miles from the center of down town Athens- away from any congested areas. The hospital is situated far enough from Baxter Street and highways 29 & 78 to avoid traffic noises.

#### CIRCULATION:

Vehicular circulation is provided all the way around the hospital. A roadway encircles the building for easy access to visitors and employees. Sidewalks for pedestrians have been located conveniently leading from entrances to the parking areas. The interior circulation of the hospital

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is good: both the administration and service facilities are isolated areas, separated from the patients and visitors.

#### PARKING FACILITIES:

Adequate parking facilities needed to be planned. The parking areas for visitors need to be located near the main entrance; parking areas for the hospital personnel should be located adjacent to the service entrance. Two large paved parking spaces are needed on both sides of the hospital in order to assist with surface drainage. These combined areas should be more than adequate for visitors and hospital personnel. Organization of parking is seriously limited by site conditions.

#### RECREATION:

This well-developed building needs exterior areas which will serve for relaxation and recreation. There is a need for a sitting area garden near the cafeteria in which personnel and visitors may spend free time.

#### EXISTING VEGETATION:

Prior to the grading the property was covered by a stand of pine. Half of the property was cleared for construction at and around the building site.

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and around the property was observed by a set of the property was observed by a set of the property was observed by a

#### PRESENTATION AND JUSTIFICATION

After extensive consideration and study of the existing problem, it was determined that the design must evolve
from necessity more than from extravagant landscape development in order to service the hospital facilities adequately.

#### CIRCULATION:

Adequate circulation has been provided. This includes paved walks and drives.

to burnlaboly sortrol the special

#### SITE PLAN:

The proposed building was oriented at the time of employment of the landscape architects, and construction had proceeded. Considering the limited width of the property, the orientation is satisfactory. The proposed plantings and exterior court developments will improve the site immensely.

#### PARKING FACILITIES:

The parking lots flank both sides of the entrance to the hospital property, giving the feeling of a massive paved area. Relief has been given to the unsightly parking areas through the placement of trees in the strips between the parking areas and the main drive. The existing parking

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facilities furnish a solution to the drainage problem as it exists. These facilities should remain unobstructed for the drainage to work efficiently.

#### DRAINAGE:

The existing drainage is inadequate; the proposed changes in grading should eliminate some of the problems. It will be necessary to use plants and ground cover extensively to completely control the erosion.

#### PLANTING:

This site is completely wooded north of the building with two small masses of trees at the southern boundary of the property. It was necessary to carefully consider the uses of plant materials in order to coordinate the various factors of the design. Some consideration has been given to the idea of bringing the hospital patient closer to nature by providing a natural planting and environment. The lack of shade around the building is not a controlling factor because the building has a built in shade feature, and is air-conditioned.

#### ORIENTATION:

Due to the fact that the building was sited at the time of employment, and the site is a restricted one, it was decided to emphasize the architecture of the hospital as the principal visual feature.

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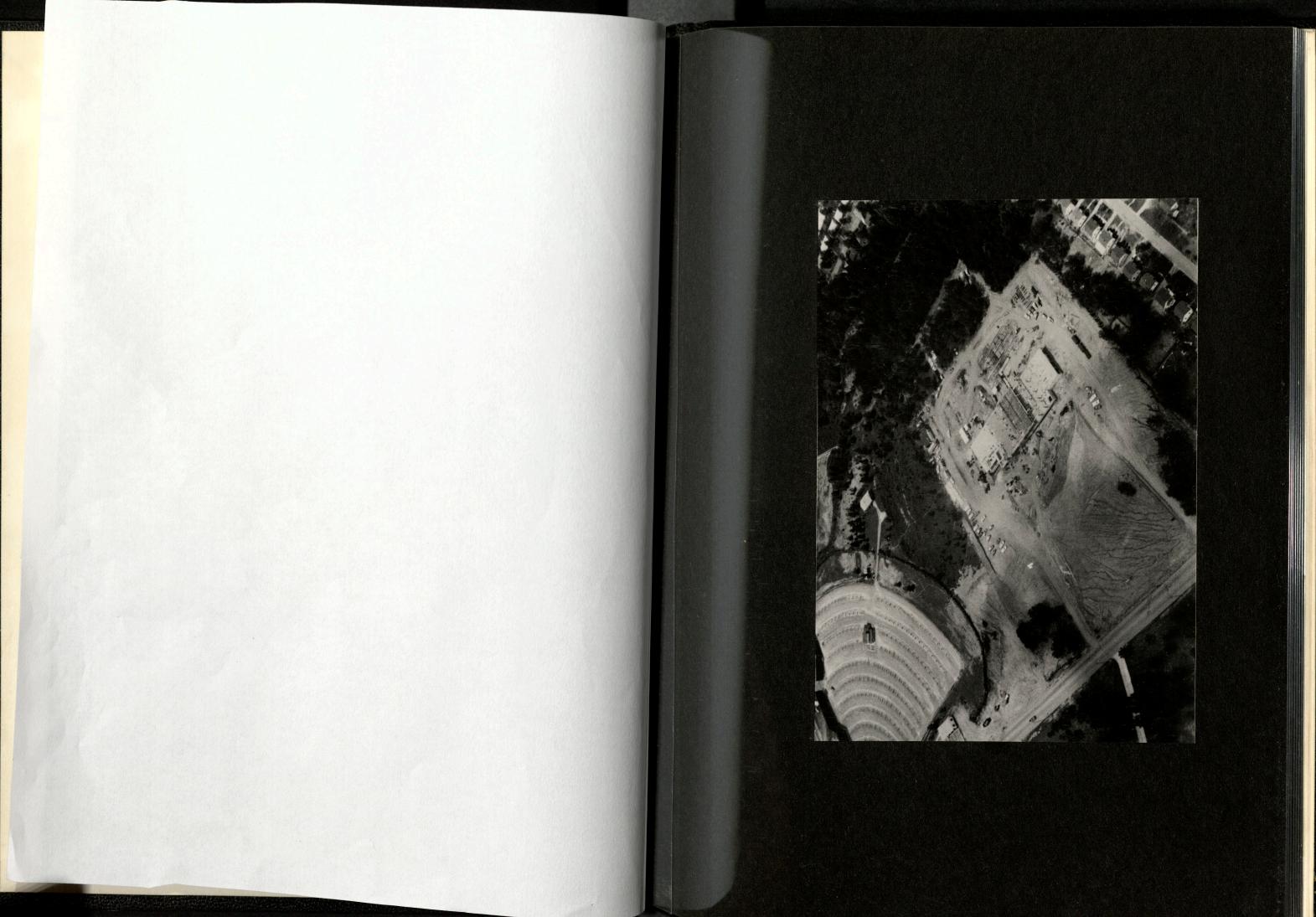
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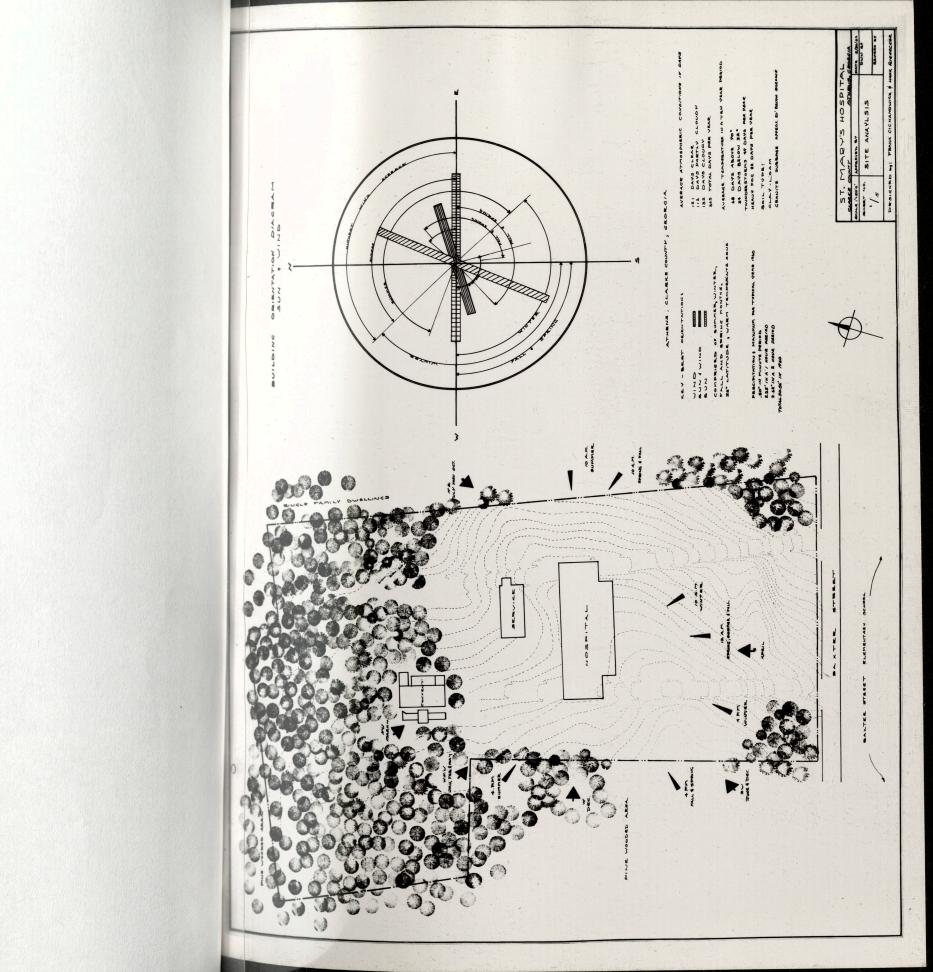
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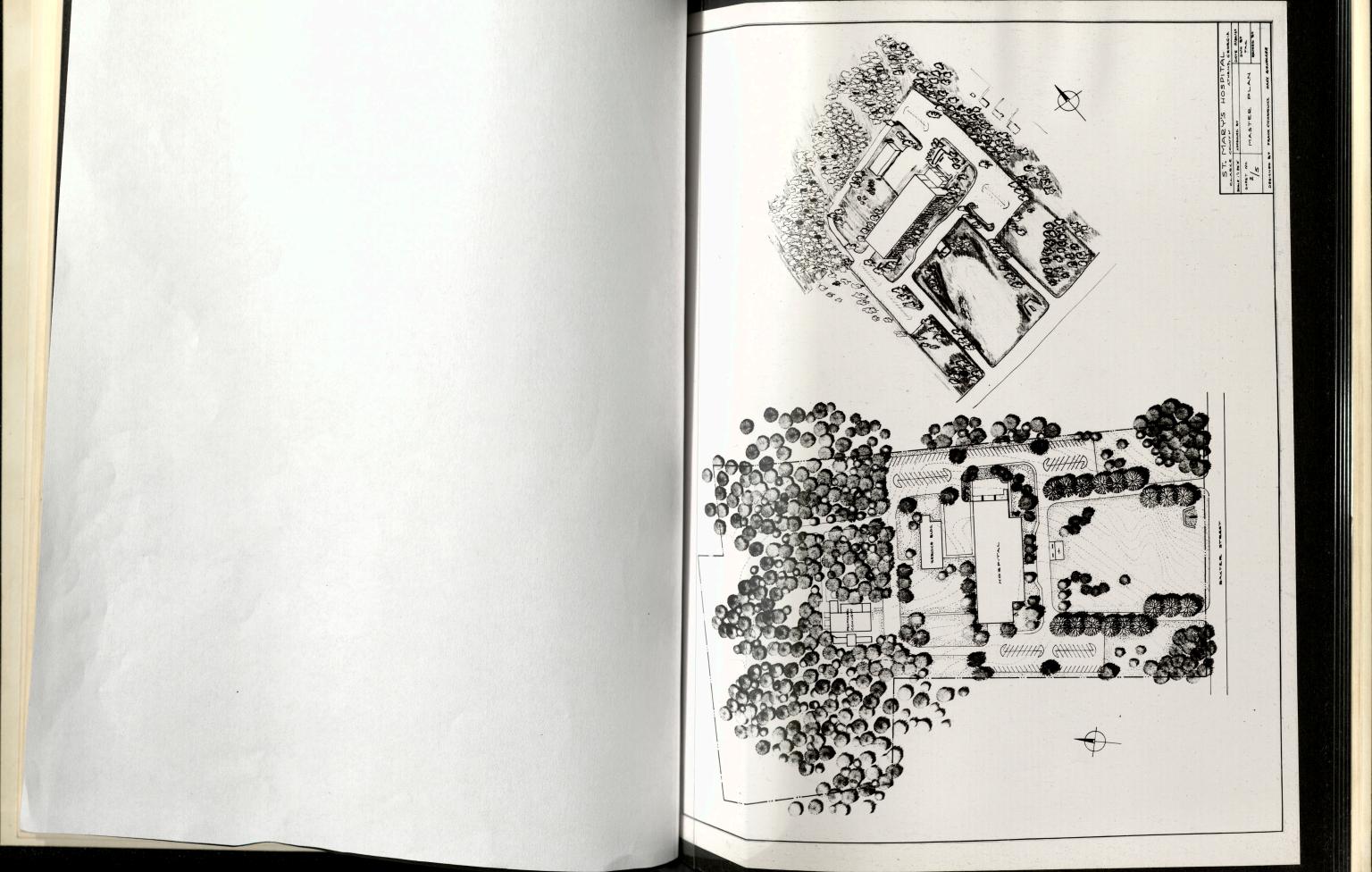
#### RECREATION:

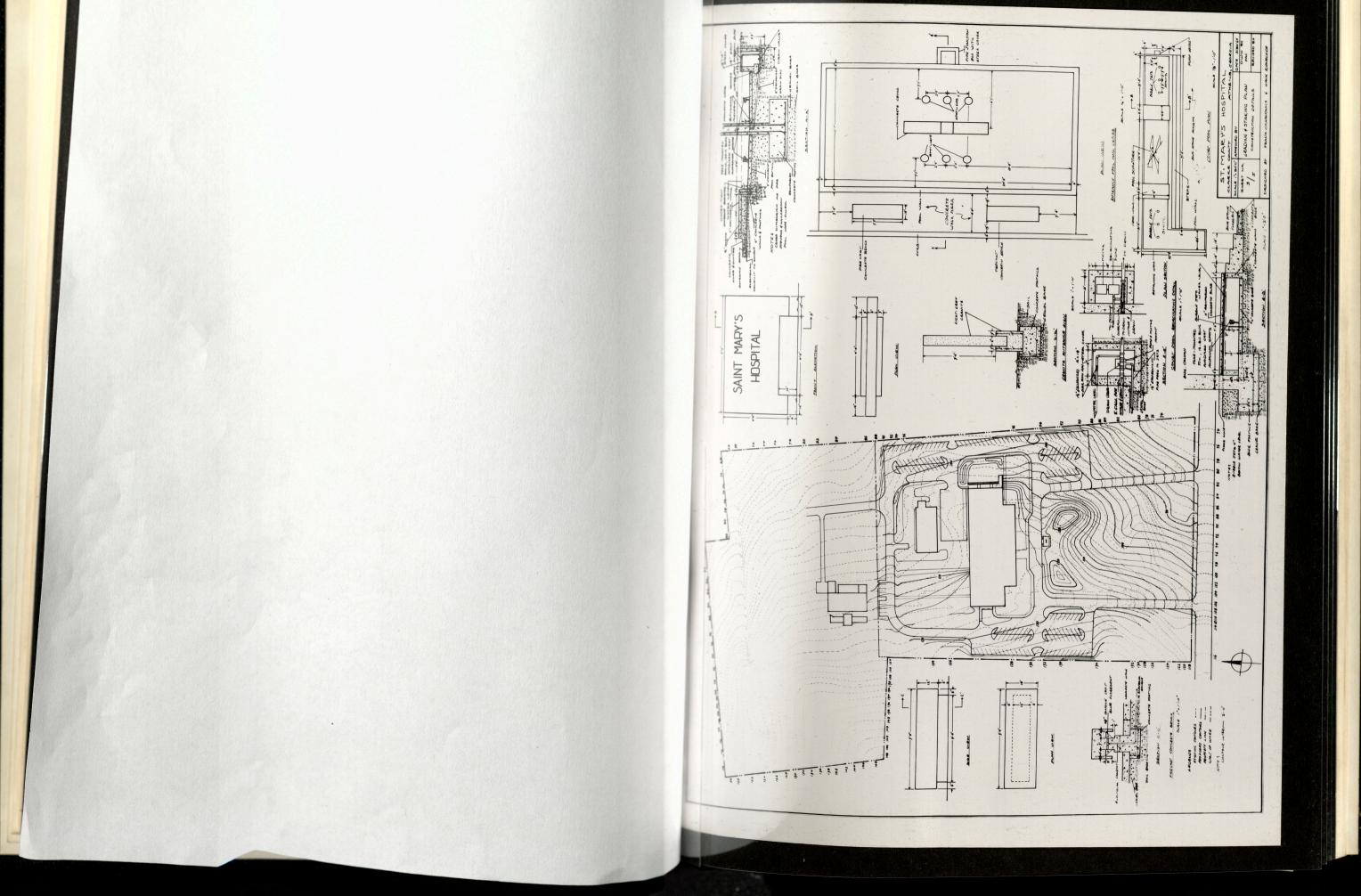
An exterior court area is specified adjacent to the cafeteria. This court may be used as a sitting area as well as a garden to be viewed from the cafeteria. The garden consists of fountains which contain water sculptures, and natural planting around the perimeter which blends into the surrounding landscape. Sitting facilities have also been provided at the main entrance of the hospital.

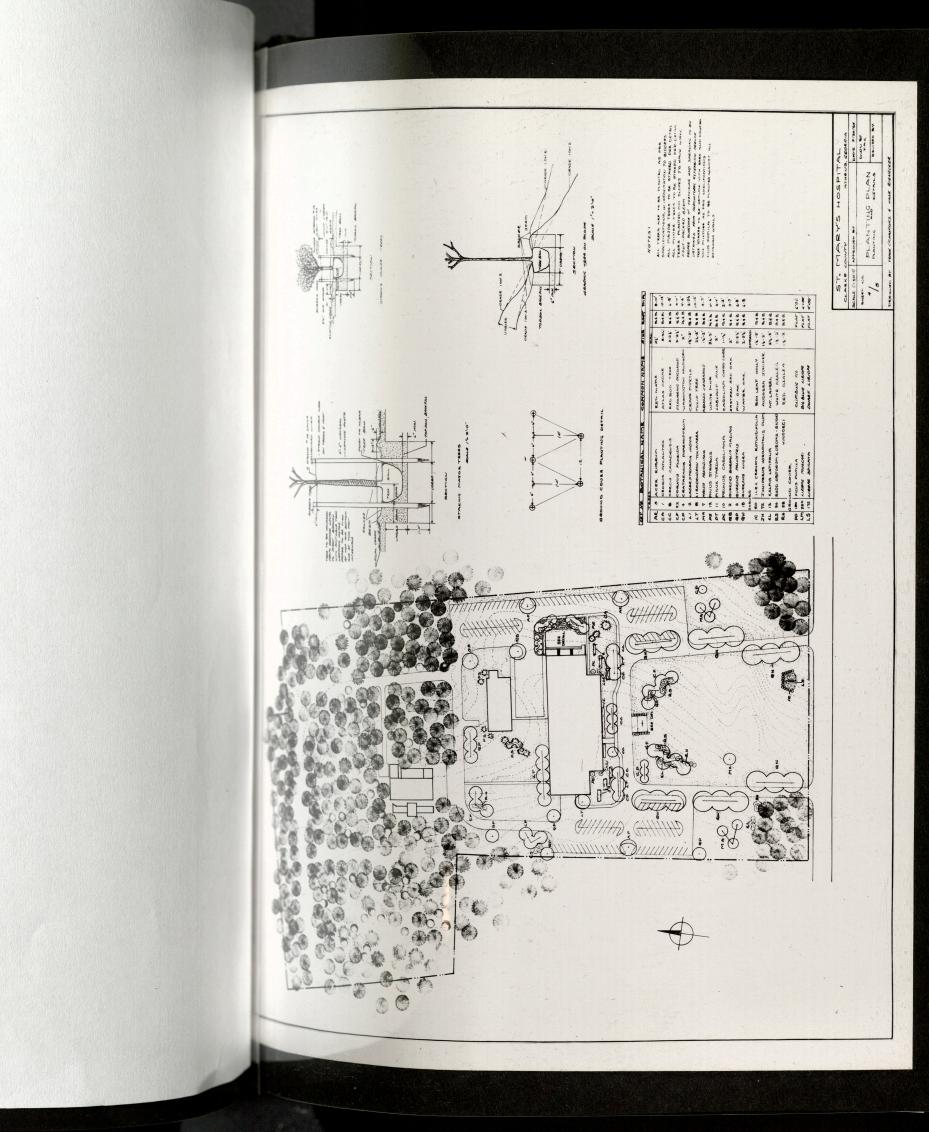


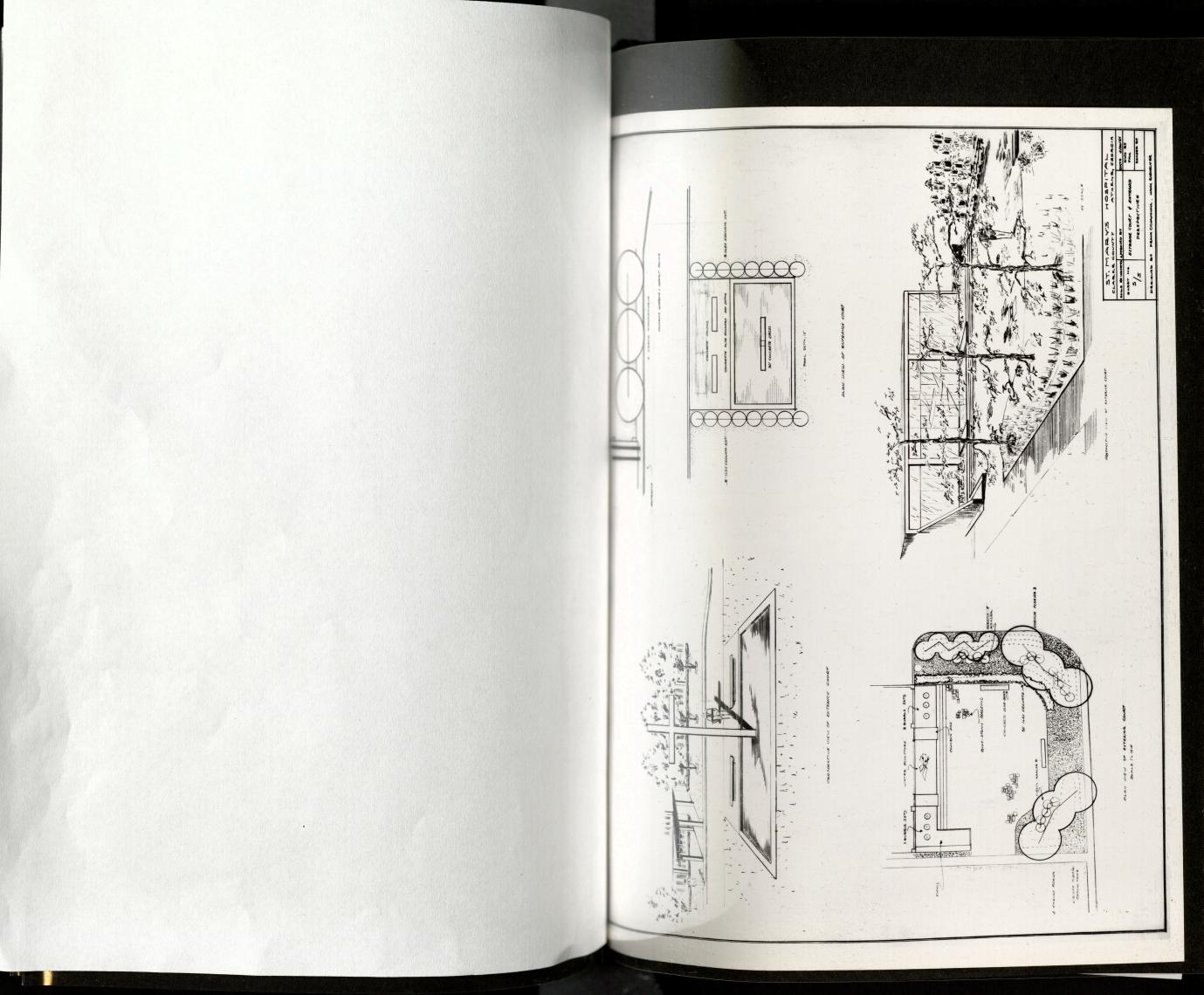


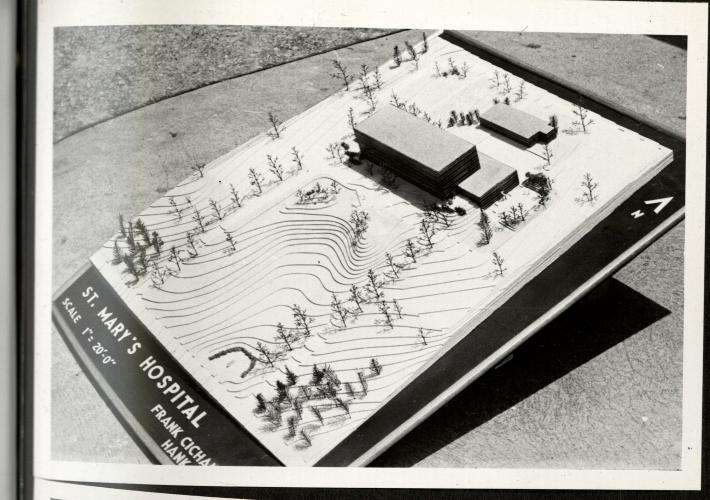


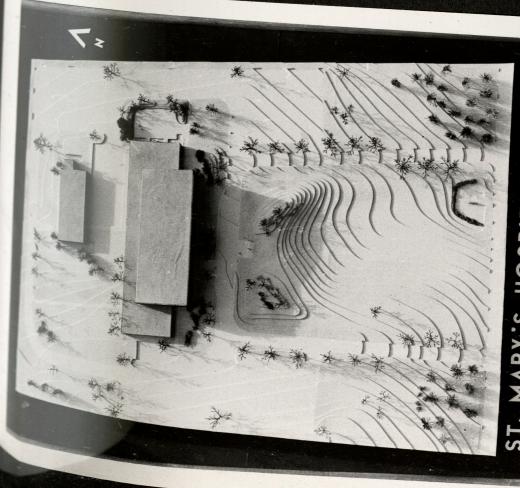












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APPENDIX

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SPECIFICATIONS FOR

LABOR AND MATERIAL REQUIRED AND TO BE FURNISHED

FOR

ST. MARY'S HOSPITAL

BAXTER STREET

ATHENS, GEORGIA

Date July 1, 1964

Cichanowicz & Rienecker Landscape Architects 930 S. Milledge Ave. Athens, Georgia

PLANTING PLAN dated May 29, 1960

Approved by: St. Mary's Hospital Athens, Georgia

By Chairman of Board of Trustees

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# INDEX SPECIFICATIONS

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Information for Bidders

General Conditions

Division PL - 1

Division SK - 1

Form of Proposal

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NOTICE TO BIDDERS

ATHREE DESCRIPTION

St. Mary's Hospital Athens, Georgia

Notice is hereby given for installation of plant materials at St. Mary's Hospital. The site is located on Baxter St., Athens, Georgia. Sealed bids will be received by Cichanowicz & Rienecker, 930 S. Milledge Ave. Athens, Georgia, on Thursday. June 18th. 1964 at 5 o'clock Eastern Standard Time.

The work will comprise the following:

SUPPLYING AND INSTALLING ALL PLANT MATERIALS (seeding excluded)

The Con ract will be awarded to the lowest responsible bidder or the proposals will be rejected within fifteen (15) days of the date of opening proposals, subject, however, to the discretionary right reserved by the Cwner to waive any informalities in, reject any or all proposals and to request new proposals, if, in his opinion the best interest of the hospital will thereby be promoted.

No bidder shall withdraw his bid within fifteen (15) days after the formal opening thereof.

Each bidder must deposit with his bid, security in an amount not less than five (5%) percentum of the bid, in the form and subject to the conditions provided in the Information to Bidders.

Date May 29, 1964 the cutoffe the mose of Bandar, has address,

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to a bidder west deposit with his old, security in an emount not less dan five (93) percentus of the bid, in the form and subject to be condition to provided in the Information to Endders,

INFORMATION FOR BIDDERS
FOR THE
PLANTING WORK
FOR
ST. MARY'S HOSPITAL

ATHENS, GEORGIA

#### 1. RECEIPT AND OPENING OF BIDS

(a) St. Mary's Hospital, Athens, Georgia, (hereinafter called the owner) invites separate sealed bids for the:

west accommodice of the site.

SUPPLY AND INSTALLATION
OF ALL PLANT MATERIALS
(seeding excluded)

at St. Mary's Hospital.

- (b) Bids will be received by Cichanowicz & Rienecker, Landscape Architects, 930 S. Milledge Ave., Athens, Georgia, on June 18th, 1964 at Five O'Clock Eastern Standard Time.
- (c) Any bids received after the time and date specified will not be considered. No bids shall be withdrawn pending the decision of the Owner.

#### 2. PREPARATION OF PROPOSAL

- (a) Proposals must be submitted on the prescribed form, two copies of which are attached hereto, all blanks in which must be appropriately filled in, in ink, in both words and figures. The Contractor shall remove proposal from Specifications, and submit as his bid one copy, and keep the other copy for his records.
- (b) All proposals must be submitted in sealed envelopes, bearing on the outside the name of Bidder, his address, the name of the project, and the Contract bid upon.
- (c) Proposals so enclosed shall be delivered to the aforementioned place on or before the hour and the date noted above.

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#### 3. OBLIGATION OF BIDDERS

- (a) At the time of the opening of bids, each Bidder will be presumed to have inspected the site and to have examined and to be thoroughly familiar with the drawing, General Conditions, General Requirements of the Contract, and Specifications (including all addenda thereto). The failure of or omission of any Bidder to receive or examine any drawings, form, instruction or document shall in no wise relieve such Bidder from any obligation in respect to his bid.
- (b) Each Bidder shall, by careful examination of the site, satisfy himself as to the location of the work, the character, the quality and quantity of the work to be performed and materials to be furnished, the character of equipment and facilities needed preliminary to and during prosecution of the work, the general and local conditions and all other matters which in any way effect the work, specified herein.
- (c) After the contract has been entered into, no consideration will be given for any misunderstanding as to work and materials set forth herein and shown on any of the accompanying drawings, details and schedules, it being mutually understood that the tender of a bid carries with it an agreement to this and other obligations set forth in the Contract or Specifications, and further implies a full understanding of the Specifications, Drawings and Details, notes, indications and requirements.

### 4. AWARDS

Contract will be awarded to the lowest responsible Bidder, or proposals rejected within fifteen (15) days of opening of proposals, subject, however, to the discretionary right reserved by the Owner to waive any informalities in or to reject any or all proposals and to advertise for new proposals it, in his opinion, the best interests of the hospital will thereby be promoted.

# 5. ADDENDA AND INTERPRETATION

(a) Bidders are expressly notified that their proposits shall be based upon materials, products, and methods specified. For the purpose of estimate, no diviation from the drawings and specifications will be considered except as provided. No

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interpretation of the meaning of the drawings, specifications, or other Contract documents will be made to any Bidder orally. Every request for such interpretation should be in writing, addressed to Cichanowicz & Rienecker, 930 S. Milledge Ave., Athens Georgia, and to be given consideration must be received at least five (5) days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental drawings which, if issued, will be mailed to all prospective Bidders (at the respective addressed furnished for such purposes) not later than three (3) days prior to the date fixed for the opening of bids. Failure of any Bidder to receive any such addends or interpretation shall not relieve any Bidder from any obligation, under his bid as submitted.

#### fol Bidder, mon failure to enter into or refusal 6. TIME FOR COMPLETION was and the Down waged by the water and the same of the

The Contractor shall state in the bid form the number of days required for him to complete the project.

#### 7. BID SECURITY

Each bid must be accompanied by the certified check of the Bidder, or by a Bid Bond duly executed by the Bidder as principal, and having as surety thereon a surety company approved by the Owner, in an amount not less than five (5) percentum of the amount of the bid. Such check of Bid Bond will be returned to all except the successful Bidder within 48 hours after the Owner and the accepted Bidder have executed the Contract, or if no Contract has been executed within fifteen (15) days after the opening of bids, upon demands of the Bidder, or anytime thereafter, so long as he has not been notified of the acceptance of his bid. the de include consingent liability to protect the

#### SECURITY OF FAITHFUL PERFORMANCE

(a) Simultaneously with the delivery of the executed Contract, the successful Bidder must deliver to the Owner an executed Performance Bond of a corporate surety licensed to do business in the State of Georgia in the amount of one hundred percent (100%) of the accepted bid for the faithful performance of the terms, covenants, and conditions of the Contract and a further separate labor and material payment Bond, in the amount of fifty percent (50%) of the accepted bid guaranteeing the prompt payment of all indebtedness incurred by the Contractor or sub-contractor for supplies, materials or labor furnished, used of consumed in connection with or in

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or about the construction of the project, including fuels, lubricants, power, etc. The form of both Performance Bond and Labor and Material Payment ond shall be as per form No. 107 (AIA).

(b) The Broker for the Bone and the Surety Company shall be approved by the Owner.

the Gestraphor and July contraction markle lives of a real real

(c) The premium on all bonds shall be paid for by the Contractor.

# 9. LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT

the successful Bidder, upon failure to enter into or refusal to execute the Contract, and the Bond required within eight (8) days after he has received notice of the acceptance of his bid, shall forfeit to the Owner as liquidated damages for such failure or refusal, the security with bond.

#### 10. INSURANCES

- (a) The successful Contractor shall not commence work or allow his subcontractors to commence work until the following insurances have been obtained, approved and certificates delivered to the Owner:
- (b) Workmans Compensation Insurance.
- (c) Public Liability and Property Damage Insurance. Public Liability Insurance shall not be less than 100,00/300,000 and not less than 50,000 for property damage. Public Liability shall specifically cover all automobile liability, and should include contingent liability to protect the Comer from claims of subcontractors.
- (d) Before final payment is made, this Contractor shall provide an affidavit stating all costs for labor and materials have been paid, and that the Owner is indemnified against any lien.

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(e) In the event the Architect, in his sole discretion, decides that work, or any part thereof, under this contract, should be postponed until the Spring of 1965, then such work, or part, shall forthwith cease, and the Contractor and Subcontractors shall immediately remove all equipment from the hospital premises. The Contractor shall be paid for all work up to date of such stoppage at the contract price, less 10% withheld. The balance of work under this Contract shall then be resumed in the Spring of 1965 upon ten (10) days written notice from the Architect, and upon such resumption, all terms and conditions of this contract shall apply as if this work had been conducted continuously.

o do oral interpreturious of the Contract shall be tonoidered bissing. Should a Bidder find a distractory or existion in the Specifications, or should be be in faint as to the manning of any portion of those he shall medify the Architect sho will then instruct all Hidders in the matter by an Adondon.

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to designater that have the responsibility of nontrading the conserved utility company, and the town or dilar sectionizing when their structures or lines are to be altered, or in my say affect the source of construction.

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(a) The work morganic by this Specification consists of fundates all labors materials, equipment and equipment reconstruction relation of hejor and Himore Trees, as seen an equipment and managelos and as profession also will at page page to discretion, and seems and see

#### DIVISION PL - 1

# PLANTING WORK

#### PL 1.1 GENERAL

- (a) Work under this division is indicated on drawings entitled "Planting Plan" prepared by Cichanowicz & Rienecker, Landscape Architects, Athens, Georgia.
- (b) Each Bidder shall familiarize himself with the Contract documents and shall visit the site of proposed work to acquaint himself with existing conditions pertinent to the execution of all work described herein.
- (c) No oral interpretations of the Contract shall be considered binding. Should a Bidder find a discrepancy or omission in the Specifications, or should he be in doubt as to the meaning of any portion of them, he shall notify the Architect who will then instruct all Bidders in the matter by an Addendum.
- (d) This Contractor shall protect, and guard against damage to existing work. Any work already completed, that is disturbed or in any way damaged or changed shall be replaced to original condition, or as shown on the drawings.
- (e) The Contractor shall have the responsibility of contracting the concerned utility company, and the town or village authorities when their structures or lines are to be altered, or in any way affect the course of construction.

# PL 1.2 WORK INCLUDED

(a) The work covered by this Specification consists of furnishing all labor, materials, equipment and appliances necessary for Planting of Major and Minor Trees, as shown on drawings and schedules and as

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specified herein, including but not limited to the following:

Excavating for all tree shrub and vine pits and beds.

Furnishing and preparing of topsoil for backfilling of all shrub tree and vine pits and beds.

Furnishing and incorporating fertilizer and peat.

Furnishing and planting trees and plants as shown,

Furnishing and spreading topsoil, as needed beyond that furnished on site.

Mulching.

Maintenance inspection.

Replacements of unsatisfactory plant material.

Transplanting of Liriope muscari (by Owner) as directed.

#### PL L.3 PROTECTION OF EXISTING UTILITIES

- (a) The Contractor shall ascertain the location of all electrical cables, all conduit, all utility lines, oil tanks, seepage pools and supply lines, and take proper precautions not to disturb any existing utilaties, or sewers.
- (b) Should any utility line be uncovered during the progress of the work, the Contractor shall promptly notify the Architect in writing. The Contractor shall be held responsible for any damage to utility lines incurred during the process of work under this Contract.

## PL 1.4 INSPECTION

Plants shall be subject to inspection and approval at place of growth, or upon deliver, for quality, size, variety, and health,

# PL 1.5 PERTILIZER

(a) Commercial fertilizer shall be thoroughly incorporated with topsoil and loam planting mixture at the rate of three (3) lbs. per inch caliper of tree (approximately three shovels per tree).

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(b) Fertilizer shall be complete, shall bear manufacturer's guaranteed statement of analysis, and shall meet the following minimum requirements:

Nitrogen (twelve) 12% eight) 8% Phosphoric Acid Potash ( six) 6%

(c) Contractor shall provide weather-proof storage space for fertilizer until its use.

# PL 1.6 PEAT MOSS

Peat moss shall be domestic, incorporated into soil planting mixture to sufficient quantity to provide a friable planting mixture.

#### PL 1.7 TOPSOIL AND LOAM

Mixture to be used in plantings shall consist of 50% clean topsoil and 50% clay loam. 50% of clay loam shall consist of clay. To this mixture add prescribed amounts of peat moss and fertilizer.

# PL 1.8 GUARANTEE OF PLANT GROWTH

- (a) All plants shall be typical of their species or variety. and shall have a normal habit of growth. No trees which have had their leaders cut, or so damaged that cutting is necessary will be accepted.
- (b) All plants and plant materials shall be guaranteed by the Planting Contractor to be true to name and size, and in vigorous growing condition. All plant material shall be guaranteed for at least one year after acceptance. Replacements shall be made at the beginning of the first succeeding planting season.

### PL 1.9 EXCAVATION, HANDLING AND PLANTING OPERATIONS

(a) All plants shall be handled so that roots are adequately protected at all times. During shipment they shall be protected by tarpaulin or other suitable covering. All balled and burlapped plants which cannot be planted immediately upon delivery shall be set on the ground and a Premissoriane and finis (edefines of lists marife and the desired to the desire

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be well protected with soil. Bare rooted plants shall be planted or heeled in trenches immediately after removal from bundles. Care shall be taken to prevent air pockets among the roots.

- (b) All plants shall be set plumb, and shall stand, after settlement, slightly lower than their previous growing conditions. All debris shall be removed from the pit and shrub beds before backfilling.
- (c) Pits for trees shall be filled with a topsoil and clay loam mixture to a depth of 6" minimum below ball, and have a diameter equal in feet to the caliper of the tree trunk in inches but not less than 24" wider than the root spread, or root diameter.
- (d) No planting shall be done in frozen soil, or during unfavorable weather conditions.

#### PL 1.10 PREPARATION OF TOPSOIL FOR PLANT PITS AND BEDS

- (a) Where plant material is to be placed in beds of topsoil laid down by the grading contractor in accordance with the Grading Plan and under the terms of the grading contract, the Planting Contractor shall be responsible for reworking the planting beds until they are friable, free from mortar and debris, accurate as to line and grade, and otherwise in a suitable condition for planting.
- (b) Topscil for planting pits and beds, except ericaceous plants shall be prepared by mixing with peat moss in the proportions of one (1) of peat moss to seven (7) of topscil by volume. The mixture shall be thoroughly blended before use.
- (c) Topsoil for beds of ericaceous plants shall be prepared by mixing topsoil with peat moss in the proportion of one (1) of peat to five (5) parts topsoil by volume, thoroughly mixed.

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PL 1.11 MULCHING of sall trees of three than walkyer or

(a) A 2" mulch of hyperhumus or peat shall be applied on all planting beds, tree pits and shrub pits after planting.

il be wramped, and the material securely

(b) All evergreens, broadleaved evergreens, ground cover plants and ericaceous material shall be mulched to a depth of 2" with a mixture consisting of 50% leaf mold, and 50% peat moss. A portion of this shall be scratched into the top 1½" of soil.

# PL 1.12 PLANTING SEASON SEASON PROPERTY SEALES SEALES SEALES

- (a) Planting of plant materials shall be done during the season or seasons which are normal for such work as determined by weather conditions and by accepted practice in the locality.
- (b) At the option of and on responsibility of the Contractor, planting of plant materials may be done under unseasonable conditions, without extra compensation, subject to approval as to time of work and methods of operation.

# PL 1.13 STAKING, BUYING, WRAPPING

- (a) All trees over 3" caliper shall be guyed by wire guys encased in water hose at the trunk. Guys shall be securely staked or anchored to "dead men" or otherwise secured in an approved manner. All wire shall be pliable iron of Ga. shown on guying sketches.
- (b) Stakes for supporting trees shall be of sound wood of uniform size, capable of standing in ground at least two years. They shall be at least 2" actual dimension and not less than 8" in length, unless otherwise specified.
- (c) Stakes shall be placed a minimim of 12" from the trunk of the tree, taking care to clear the roots. They shall be driven into the ground to the depth shown.
- (d) Wrapping material shall be first quality burlap or waterproofed crepe-paper not less than 6" or more than 10" in width, and of suitable length.

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(c) Stokes shall be placed a mindada of lat from the truck of the tree chart in roots. They shall be driven asto the ground to the depth shown.

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(e) The trunks of all trees of three inch caliper or greater shall be wrapped, and the material securely tied at top and bottom, and at two foot intervals.

Bandaging shall start at base, and shall cover the entire surface of the trunk to the first branches.

(f) All guying, staking and wrapping shall be done immediately after planting. All plants shall stand plumb after guying and staking.

#### PL 1,14 MAINTENANCE OF PLANTING UNTIL ACCEPTANCE

(a) Areas around trees shall be kept cultivated, free of weeds and grass, and properly watered until acceptance. Replacement and pruning shall be done as soon as dead material appears. If any tree, shrub or plant bed settles more than three (3) inches below the established grade, it shall be raised to the proper level, and not merely filled with additional topsoil.

#### PL 1.15 CLEANING UP ... As Christian ada plantacia and analoned

- (a) The Contractor shall dispose of, on the site or as directed by the Architect, all subsoil excavated from his work. All other debris including branches, paper and rubbish resulting from his work shall be removed from the site as work proceeds.
- (b) All areas shall be kept in a neat and orderly condition at all times. Prior to final acceptance the Contractor shall clean up his work areas to the satisfaction of the Architect.

# PL 1.16 INSPECTION FOR ACCEPTANCE

- (a) Inspection by the Architect shall be made upon completion of all work, at the notification of the Contractor.
- (b) Payment shall be made after acceptance by the Architect.
  Such payment shall not releive Contractor of responsibility
  of guarantees, or of conformance with provisions for plant
  repalcement as specified below. (1.18)

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- (a) Payment shall be made after acceptance by the Arghidelly (d) Willished and towns and after and like the payment of the plant of the payment of the plant of the payment of the plant of the payment o

#### PL 1.17 QUARANTEE OR WARRANTY

- (a) This Contractor warrants that all work executed under this division will be free from defective plant material or workmanship for a period of one year after Architect's acceptance of the work.
- (b) This Contractor shall guarantee to replace all defective plants and workmanship by approved methods and at his own expense whensoever such defects may appear prior to the conclusion of this guarantee.

#### Pl 1.18 REPLACEMENTS

- (a) Any trees, shrubs or vines not found to be in a healthy growing condition, at any time during the period of guarantee, shall be removed from the site and replaced, as soon as weather and seasonal conditions permit, as determined by the Architect.
- (b) Plant replacements shall be the same kind and size as specified in the itemized plant list. All replacements shall be furnished, planted, and mulched as specified, at the Contractor's expense.
- (c) The Contractor shall be leable for any damage to property including lawns, sprinkler systems, pavements, curbs etc., caused by replacing operations.

## PL 1.19 COOPERATION

- (a) This Contractor shall agree to complete cooperation and coordination with the General Contractor engaged in all adjacent work.
- (b) This contractor shall maintain free access to church building and existing parking area at all times. All barriers and other necessary precautions shall be taken for public safety, and no materials or equipment, etc. shall be placed or stored on the existing pavement. If necessary, lighted barriers shall be placed at all disturbed areas as directed on Wednesday nights, Sundays and at other times as directed.

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FORM OF PROPOSAL FOR THE

PLANTING WORK

at

ST. MARY'S HOSPITAL

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St. Mary's Hospital by designates as his address to which Baxter Street was an other amount data on may be delik versed Athens, Georgia

Pursuant to and in compliance with plans and specifications and documents related thereto, the undersigned hereby offers to furnish all labor, materials, supplies, equipment and other facilities and things necessary and proper for or incidental to the completion of the planting work as required by and in strict accordance with the applicable provisions of the Contract Documents, including the Drawings, the Specifications and all Addenda issued by the Owner prior to the date of the opening of bids, whether received by the undersigned or not, for the following sum:

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TIME OF COMPLETION

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BID SECURITY

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- Insert here the name under which the Bidder does business, and if a corporation, add "A Corporation organized under the laws of
- \*\* If the person signing is not an official, a person who is authorized shall countersign the proposal.

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PLANTING LIST

	TRE	S THE SECTION SECTIONS				
100	uantity	BOtanical Name	Common Name	Size	Unit	Total
	3	Acer rubrum	Red Maple	21/2	\$8.50	\$25.50
	1	Cedrus atlantica	Atlas Cedar ,	3"	40.00	40.00
	4	Cercis canadensis	Redbud Tree	28	3.00	12.00
	4	Carcis canadensis	Whitebud Tree	2"	3.00	12,00
	22	Cornus florida	Flowering Dogwood	2**	7.50	165.00
	4	Crataeagus phae- nopyrum	Washinton Hawthorn	28	8.50	34.00
	2	Lagerstroemia indica	Crape Myrtle	2#	4,20	8.40
	8	Lirodendron tulipifera	Tulip tree	3"	12,00	96.00
	7	Malus arnoldiana	Arnold's Crabapple	2#	8.00	56.00
	12	Pinus strobus	White Pine	3"	6.00	72.00
	11	Pinus taeda	Loblolly Pine	28	6.00	66,00
	10	Prunus caroliana	Carolina Cherry laurel	1=2"	4.00	40.00
		Quercus borealis	Eastern Red Cak	2"	6.50	13.00
	6	Quercus palustris	Pin Oak	2#	6,50	39.00
	18	Querous nigra	Water Oak	2#	6,00	108.00

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72	Juniperus horizo talis Plumosa	n- Andorra Juniper	. 21	1.75	125.00
13	Kalmia latifolia	Mt. Laurel	31	7.50	97.00
26	Rhod. obtusum snow kurume	White Azalea	21 82,00/a	6.00	156.00
28	Rhod obtusum	Red Azalea	21	6.00	168.00
	GROUND COVER		root cut		
130	Ficus pumila	Climbing Fig		100	8,00
250	Liriope muscari	Bigblue Liriope	7,200	100	7.50
175	Liriope spicata	Dwarf Liriope	12,	100	21.00
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Quantity Grass	1050,000 to beginning	Unit Price	Total	
1030 bu. Tifton 5	7 Utility Lawn	sprig \$1,00/bu \$1030.00		
SOIL YDS. Clay 1230 Topsoil Peat moss		\$2.00/eu. yd. \$3.00/6 cu. ft.	**************************************	
SPECIAL MATERIALS	\$3,00 \$3,00	emerica esche tid <b>io</b>	0,00 6,00	
<u>Material</u>	Unit Cost	Total Quantity	Total Cost	
Fertilizer (12-8-6-)	4.00	7,200 lbs.	\$288.00	
Ammonium Nitrate	3.75	600 lbs.	22.00	
Agr. Lime Stone	\$1.00/ 80 lbs.	10,000 lbs.	125.00	
Tree wrap	\$ .70/ roll	10	7.00	
Rubber hose	\$ .04/ ft.	300 ft.	12.00	
Wire	\$ .03/ ft.	750 ft.	22,50	
Stakes	\$ .10/ stake	260	26,00	
Auger & Tractor	\$50.00/ day	4 days	200,00	
		TOTAL	\$703.00	

<sup>\*\*</sup> Excavation of soil for trees, shrubs, and beds to be relocated on property.

\$703.00

Potal_	Unit Price sprig \$1,00/bi	lity Lawp	Caree 57 Uti	and oco
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200,000		s .to/ stake	
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\*\* Excevation of soil for trees, shrobs, and beds to be released on property.

# EQUIPMENT COSTS

Machinery	Unit Cost	Quantity	Total Cost
Tractor & Tiller Hand Tiller Bulldozer	\$50.00/ day \$20.00/day \$100.00/ day	2 1 1	\$100.00 \$ 20.00 \$100.00
		TOTAL	\$220.00

Classification	No.	Rate	Unit Hrs.	Total Cost
Foreman	inil Thelip ma	\$3,00	200	\$ 600.00
Labor	8	\$1.25	1000	\$1250.00
Tractor operator	Shaffreners on	\$2,00	40 L	\$ 80.00
Bulldozer operator	1	\$3.00	8	\$ 24.00

### TOTALS

	TOTAT	3	
Plants			\$1485.80
Soils			2550.00
Special Material			703.00
Equipment			220.00
Labor			1954.00
Misc.			300.00
	Sub total		6212.80
	3 % tax		186.38
	Sub total		6409.18
	Profit		1602.28
		TOTAL	8011.46

#### 23202 TABLETON

Jeog Ison	24200000	3200 3200	Exections
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#### ACKNOWLEDG EMENTS

We wish to express our appreciation to the University of Georgia, Lardscape Architecture Department, for all the knowledge we have gained that has made it possible for us to submit this Senior Terminal Problem.

For their special help and guidance, we are indebted to Hubert B. Owens, Chairman of the Department of Landscape Architecture, and to Professors William Names and William Beery.

F. Cichanowicz & H. Rienecker

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We wish to empress our approximation to the University of Description, inchessed the Auditoschure Department, for all the Samulades we have quired that her made it possible for us in admit that Santor Terminal Frontier.

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F. Ctchanovica & H. Manadier

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