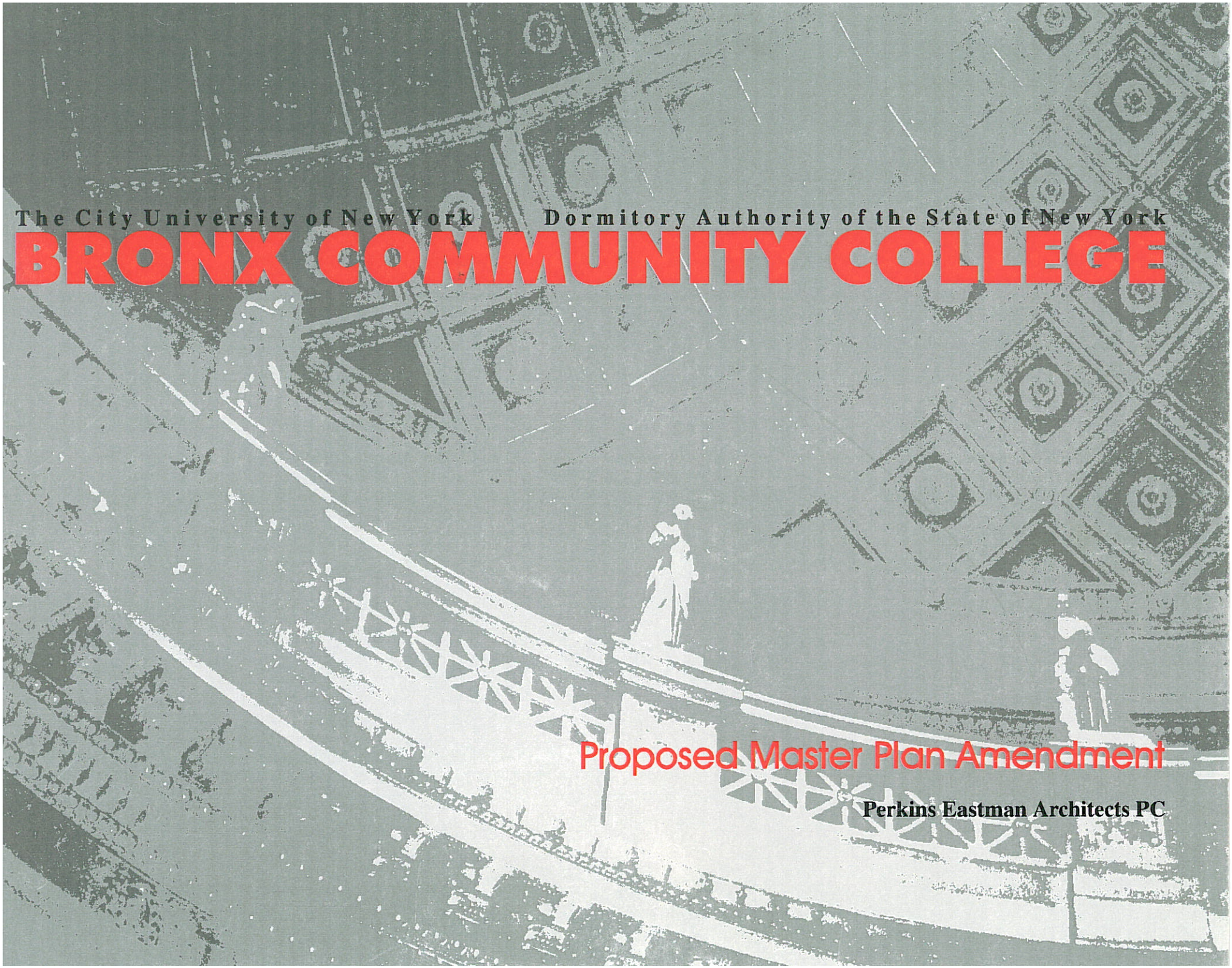

The City University of New York Dormitory Authority of the State of New York

BRONX COMMUNITY COLLEGE

Proposed Master Plan Amendment

Perkins Eastman Architects PC

Bronx Community College Proposed Master Plan Amendment

To Serve 10,000 FTES

Prepared for

Bronx Community College
The City University of New York

Prepared by

Perkins Eastman Architects PC
115 Fifth Avenue
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Letter From the President

by Dr. Carolyn Grubbs Williams, President
September, 1996

In 1957, after the extensive effort of civic groups in Bronx County, Bronx Community College was founded to meet the Borough's growing need for higher education facilities. Classes officially began in February 1959 at the original site of the Bronx High School for Science. The College soon developed into a widely acclaimed community college offering a broad range of academic programs.

Over several years, the college grew dramatically and its space requirements changed significantly. In the fall of 1973, Bronx Community College moved to its present 50 acre site overlooking the Harlem River. This site, which previously served as the engineering and science campus for New York University, was designed and planned at the end of the nineteenth century. Resplendent with beaux-arts architecture and landmark buildings, such as the Gould Memorial Library and the renowned Hall of Fame, Bronx Community College has met the academic needs of its students and the community in an environment touched by history.

The advent of technological advancement, increased programmatic and instructional space requirements and the growing educational needs of the students necessitates and amendment to Bronx Community College's Master Plan. The Master Plan Amendment proposes the following changes:

- Restoration of the Gould Memorial Library as the College's library and learning center, and construction of a new library addition into the hillside just west of the landmark building.

- Construction of two new instructional buildings on the north end of the campus quadrangle and at the southwest end of the campus.

- Major addition and renovation of the Gould Student Center to add needed program area and re-face this structure.

- Creation of an addition to the gymnasium to add programmatic areas, and help to better define the open space adjacent to the pedestrian spine.

- Construction of an addition to Guggenheim Hall in order to relocate the University Heights High School from Nichols Hall, which will revert to college use as quality classroom space.

- Extensive renovation programs in many existing buildings to provide seminar, classroom, and office space for various programs.

- Additional student and faculty parking areas.

It should be of interest to note that during the 23 years that we have occupied this campus no new academic buildings have been constructed. Therefore, this plan will serve as a framework of future change for the College by resolving to maintain the integrity of the original beaux-arts campus, while incorporating the technological advances of the latter part of the Twentieth Century. With these changes, Bronx Community College will be in a position to meet the needs of a changing city and community, and to continue its educational mission into the next century.

Preface

by Aaron Schwarz AIA

It is with pride and pleasure that Perkins Eastman Architects presents this Master Plan Amendment for approval and adoption. It was developed by architecturally translating conversations and dialogues with a variety of interest groups from the College, the City University of New York Department of Design, Construction, and Management and the Dormitory Authority of the State of New York. Their dedication, direction, evaluation, and re-evaluation of goals and objectives during this planning effort were essential to the success of this Master Plan Amendment.

Bronx Community College was founded in 1957 to meet the growing need for higher educational facilities in the Borough. In 1973 the College moved to the former New York University uptown campus. The campus housed the engineering and science divisions of New York University and was not designed to house the different needs of Bronx Community College. The last master plan for Bronx Community College was completed in 1975, shortly after the College moved in. This amendment is unique in that it benefits from the College's twenty years of experience in trying to adapt to an ill-fitting environment. During the development of this study the planning team faced the challenge of judiciously recommending additions, alterations, and modifications to this campus in order to better meet the needs of Bronx Community College while maximizing the utilization of existing physical resources.

The New York University campus was originally designed and planned at the end of the nineteenth century. The heart of the design was a central quadrangle flanked by a series of small-scale neoclassical structures. The entire plan was never fully realized and the structures designed in the 1950's, 60's, and 70's did not follow the precepts of the axial quadrangle arrangement. This study locates new buildings in a manner which tries to rethread and unify the original beaux-arts campus of the late nineteenth century with the interventions made during the latter twentieth century. This has been accomplished by proposing new structures and additions that are sympathetic in scale to the landmark structures on campus, recommending relocation of College programs to more compatible facilities, and by redefining College open spaces.

This Master Plan Amendment is not intended to be a specific mapping of Bronx Community College in the twenty-first century, but more appropriately, this plan outlines a framework for future change. It provides clear direction and guidelines for improving the Bronx Community College Campus as funding and opportunities become available.

Acknowledgements

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PROJECT INTENT

Introduction

The City University of New York (CUNY) retained Perkins Eastman Architects PC and their consultants to work with them to develop an amendment to the 1975 master plan for Bronx Community College. This amendment is needed in order to reassess the programmatic space needs and to formulate a framework for guiding long term physical change at the Bronx Community College. It recommends a balanced amount of new construction and renovation of the College's existing physical resources. To align the recommendations of this Master Plan Amendment with the long term needs of the institution, the planning team needed to address several changing factors, including:

Growing Enrollment

The space needs of the College were evaluated based on number of full time equivalent students (FTES) for the base academic year 1993-1994 as well as the 10,000 FTES which may occur by the year 2003-2004 or beyond. During this planning period approximately 50% growth in FTES has been projected by the College. These needs were modeled on the recently revised space standards adopted by CUNY.

Programmatic Change

The Master Plan Amendment recommendations take into consideration changes in the academic curriculum, teaching methodologies, and diversity of students at Bronx Community College. The Plan examines the number of sponsored programs and non-traditional curricula and programs offered at the College.

Existing Campus Incongruities

In 1973, New York University sold its University Heights campus to the City University of New York. Since then, the campus has served as a home for Bronx Community College. The physical space made available to the College was designed for the academic and student life needs of a residential University campus, and not for the community college student nor the community that Bronx Community College now serves. The recommendations of this Master Plan Amendment take into consideration the need to modify existing conditions to meet the changing demands of a community college, and also take into account the need to adapt buildings that were never designed or renovated for the education of the community college student.

Regional Influences

Due to economic and demographic factors, the College plays a significant role in supporting services and programs which benefit the surrounding community. External

funds support close to fourteen million dollars of grants and contracts for innovative job training, literacy, and basic job skills programs on campus today. These programs place additional demands on campus resources.

Changing Boundaries

During the past 21 years, the campus size has decreased as property has been allocated for other New York City purposes. The College anticipates repossessing additional land in 2003 as the Army lease on the Patterson Training Center expires and the land is annexed back to the campus.

The Planning Process

The planning process utilized by the team entailed conceptually removing all of the occupants from the College's buildings and onto the campus quadrangle. Through careful analysis, the team strategically located new buildings and additions, and targeted existing buildings for renovation in order to relocate these occupants back into College buildings with logical adjacencies and environments conducive to their particular activities.

Bronx Community College and CUNY were closely involved throughout the planning process. Through a step-by-step approach, which included many programming sessions, workshops, and open College community forums, this consensus-driven Master Plan Amendment was formulated.

The planning process included five basic steps:

1. Campus Steering Committee

The first step of the process was the formulation of a campus steering committee. This steering committee was comprised of representatives from the City University of New York's Division of Facilities Planning, Design and Management as well as members of the Bronx Community College community including the Deans of Academic Affairs, Administration, Students, and Continuing Education, the campus planner, divisional coordinators, faculty members, and students. The steering committee met with the planning team throughout the development of this Master Plan Amendment. They were responsible for reviewing the planning team's work, and providing the team with direction during the planning process.

2. Data Collection and Analysis

During this step the team gathered program data, analyzed the concerns and perceptions of the College community, and assessed the existing physical conditions of the campus. It was the interrelationship of these three perspectives which provided the groundwork for developing the recommendations that are made part of this Master Plan Amendment.

The first step involved computational analysis. During this stage the team collected and analyzed all relevant program data about the College. By using CUNY accepted space standards for each space type within the College and by utilizing complex computational analysis based on contact hours, the team documented the square foot shortfalls or overages on a department-by-department basis for both current and future ten year projected needs. The campus physical space inventory was updated and all of the buildings on campus were surveyed and their plans were generated on Autocad.

The team held numerous programming interviews with all of the different administrative, staff, and faculty departments within the College to develop this information.

Concurrent with the computa-

Gould Memorial Library

tional analysis, the team conducted an assessment of existing physical conditions. The planning team toured all of the existing facilities to evaluate the ability of the physical space to accommodate the current users. In-depth analysis of each building was completed based on standards developed by the Dormitory Authority of the State of New York (DASNY), which was compiled in a relational database.

3. Objectives and Goals

Summaries of the team's analyses of the programmed space need, the concerns of the staff, students, and administration, and the existing physical conditions of the College were presented to the Steering Committee during several workshop sessions. During these workshops a prioritized list of objectives was developed. This list of objectives and issues were utilized to test the different options developed during the next stage, Concept Development.

4. Concept Development

During this step, the team developed a series of alternative concepts for the long-range plan of the College. These concept studies tested the implications and viability of renovations and rehabilitation to the existing buildings as well as locating additions and new facilities to the campus. One concept was ultimately selected for final development.

5. Final Plan Amendment

The chosen concept was developed by the team into a comprehensive Master Plan Amendment for the Bronx Community College.

Planning Premises

At the onset of developing this Master Plan Amendment the planning team along with representatives from the College and the City University of New York established several premises or precepts for the project. These postulates set the ground rules for developing and formulating the recommendations that comprise this Master Plan Amendment.

Fiscal Responsibility

Many issues can be found concerning the appropriateness of the existing buildings and the uses that need to be accommodated on campus. Rather than replacing many of the existing structures with more efficient facilities, the plan should be prudent in its recommendations and maximize the use of the College's existing resources. The plan should look toward carefully balancing renovation and adaptive re-use of its existing buildings with the construction of new facilities. Plans for capital improvement should be flexible and realistic with respect to funding availability and implementation schedules.

Optimize Campus Qualities

Planning efforts should take advantage of the unique natural setting of the campus on its hill top, preserve and redefine its open spaces, and preserve (and if possible herald) its strong architecturally significant landmark structures. New building projects should serve as tools to shape space and create linkages on the south side of campus.

Land utilization

The recommendations of this Master Plan Amendment are based on the premise that the College should grow within the existing land boundaries of the campus. The planning team did not consider annexing adjacent land areas for use by the College. The exception to this premise would be the addition of the Patterson Training Center site which will revert back to the College's use when the Army's lease expires in 2003. The plan should also preserve and enhance the opportunity to develop the north portion of the campus in the future.

Programmatic Diversity

The plan should assure coordinated development of all aspects of the campus community. It should respond to growing enrollment and curriculum changes. It should assume that the public service component will continue to be a significant entity on campus and will remain stable in terms of growth.

view across the main quadrangle

Summary of Planning Objectives

A number of planning objectives were established in order to validate and prioritize concerns raised and noted during College programming sessions. Different planning recommendations proposed by the planning team during the development of concepts and the refinement of the final plan amendment were evaluated in terms of the following objectives:

- Improve classroom quality, appropriateness of room size to section size, and location of classrooms on campus

- Relocate functions to better match the characteristics of space afforded by existing construction

- Establish a clear direction for the allocation of space for non-traditional or public service components on campus

- Relocate functions on campus to re-center activity in the main campus quadrangle

- Preserve and reinforce the collegiate atmosphere provided by the classic open space quadrangle formed by the original McKim Mead and White buildings

- Propose building siting and massing which is responsive to the historic structures and original planning precepts in order to unify and link the various physical interventions made to the campus with the modernist structures added during the 1950's and 1960's.

- Integrate the south side of campus with the north through improved outdoor spaces and pedestrian linkages

- Consolidate the library with the learning center and PASS (Personal Academic Student Support services) center in a more prominent location on campus

- Improve the quality of student life by upgrading the student center and lounges

- Consolidate and centralize student services

- Relocate functions to enhance adjacencies of logical functional relationships and to enhance contiguity of departments and units on campus

- Plan renovation projects to address deferred maintenance issues

- Introduce more logical pedestrian and vehicular circulation patterns

- Reallocate and consolidate parking to more appropriate locations. Increase quantity of available parking on campus without introducing structured parking

- Improve indoor and outdoor athletic facilities

- Activate vacant space on campus

- Enhance and secure campus borders

- Create a campus which is physically accessible to all

Summary of Recommendations

The recommendations of this Master Plan Amendment include new construction, additions, and renovations of the campus' existing buildings. The strategy for locating each of the proposals is based on the need to redefine the College's major open space quadrangle, reinforce the College's major east-west pedestrian spine, and form improved open spaces and spatial relationships along the southern edge of the campus. This Master Plan Amendment accomplishes these goals by strategically locating new construction, appropriately relocating space uses, and proposing open space improvements.

New Construction

Based on projections of enrollment growth, the existing space of the College will need to be increased by approximately a quarter of a million net square feet over the next ten years. The highest priority concern of the College today is the quality of the instructional space on campus. In order to address this concern, the bulk of the proposed new construction is dedicated to this purpose. This new instructional space replaces much of the inadequate classroom space on campus which will be reallocated for other uses.

New Instructional Buildings

Two new instructional buildings are proposed as part of this Master Plan Amendment. One of these buildings is located at the north end of the campus quadrangle. This location defines the College's major open space and is in keeping with the intent of the original master plan as designed by McKim Mead and White at the turn of the century. Utilization of this building will also help to reactivate the open space quadrangle and add a new face for the College along Hall of Fame Terrace. The second new classroom building is proposed for the southwest end of the campus. This portion of the campus was the location of Fort Number Eight, a British outpost during the War of Independence, and is marked by a memorial flagpole at its high point. The new building will flank this historic open space and define a secondary quadrangle area off the campus' major east - west pedestrian spine.

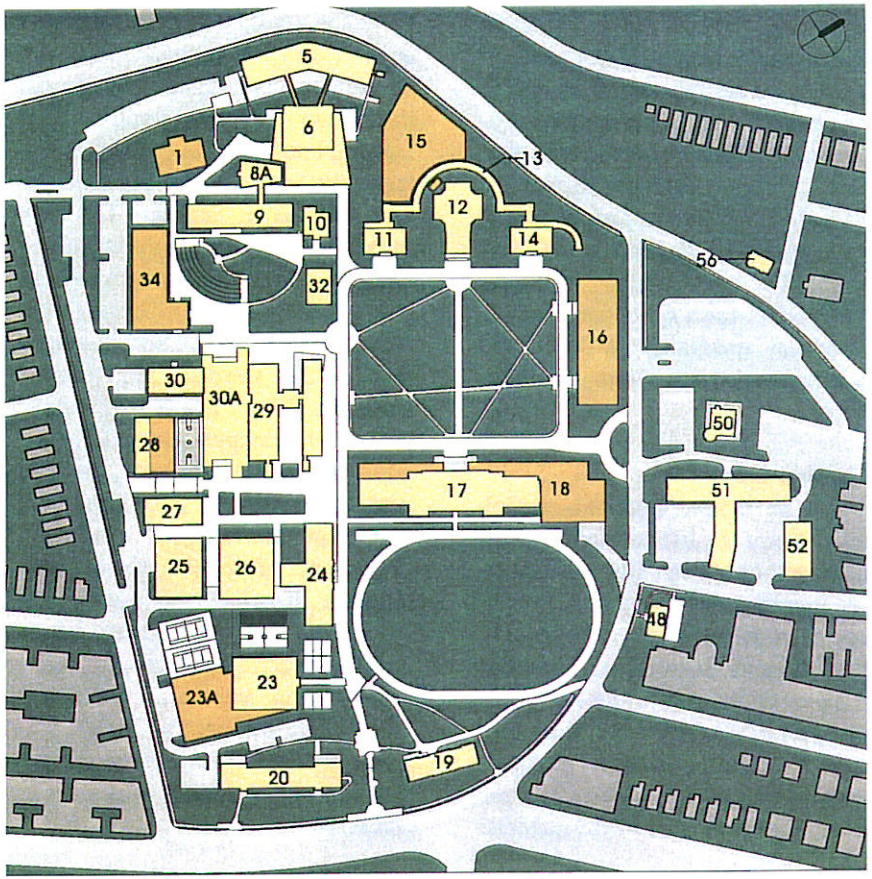
The New Library

The Bronx Community College library is currently found in the basement of Meister Hall. The quality, quantity, and location of this space is inadequate. The Master Plan Amendment proposes building a major addition into the hillside to the west of Gould Memorial Library. This landmark structure, designed by McKim Mead and White, is located on the major axis of the quadrangle of the campus. It is the symbolic heart of the campus and its dome can be seen from distances beyond the immediate College campus. The existing building is in need of significant repair and many portions are underutilized or vacant. The plan recommends that this building, along with an addition, be brought back to use as the College's library and learning center. This will revitalize the landmark structure and place the College's library at the major focal point of the campus. By building the addition along the hillside, the new construction can be sited below the levels of the existing landmark, thereby not obstructing views of the original structure. Underground extensions to historic libraries have been successful solutions for many college and university campuses throughout the country. In addition, this location makes use of campus site area which would otherwise be unusable.

Proposed Campus Plan

new construction

existing buildings



1. *Child Development Center*
5. *Colston Hall*
6. *Community Hall*
8A. *Begrisch Hall*
9. *Gould Technology*
10. *Butler Hall*
11. *Language Hall*
12. *Gould Memorial Library*
13. *Hall of Fame*
14. *Philosophy Hall*
15. *Library Addition*
16. *North Instructional Building*
17. *Gould Student Center*
18. *Gould Student Center Addition*
19. *Gould Residence*
20. *Loew Hall*
23. *Alumni Gymnasium*
23A. *Alumni Gymnasium Addition*
24. *Nichols Hall*
25. *New Hall*
26. *Energy Plant*
27. *Bliss Hall*
28. *Guggenheim Hall & Addition*
29. *Meister Hall (formerly Technology II)*
30. *Sage Hall*
30A. *Sage Annex*
32. *Havemeyer Hall*
34. *South Instructional Building*
48. *Snow Hall*
50. *McCracken Hall*
51. *Patterson Training Center*
52. *Patterson Garage*
56. *Altschul House*

Student Activities and Other Additions

A major addition and renovation is proposed for Gould Student Center in order to add needed program area and to re-face this important structure which lies between the College's two major open spaces. Considering the overall needs of the campus, it was felt more economically prudent in the short term to add to Gould Student Center rather than to replace this structure. An addition is proposed for the gymnasium which will add needed programmatic area as well as help to better define the outdoor athletic areas adjacent to the major pedestrian spine. An addition is also proposed to Guggenheim Hall in order to relocate the University Heights High School (a NYC Board of Education special high school program on campus) from Nichols Hall to this building. This move will permit the College to occupy Nichols Hall, a quality classroom space along

the major pedestrian spine of the campus, for instructional use.

Renovation Programs

This Master Plan Amendment proposes renovations to almost all of the existing buildings on campus. For example, when vacated by the high school program, Nichols Hall will be renovated to upgrade the existing classroom space in the building. The existing college library space at the bottom of Meister Hall will be renovated for use as a consolidated Student Services center when the Gould Memorial Library Addition is constructed. This renovation would entail creating new entrances from the pavilion lobby of Meister Hall which faces the pedestrian spine and quadrangle. Areas of Colston Hall, vacated by academic programs as the new buildings are built, will be renovated for use as small seminar rooms, classrooms, and office space for public service programs.

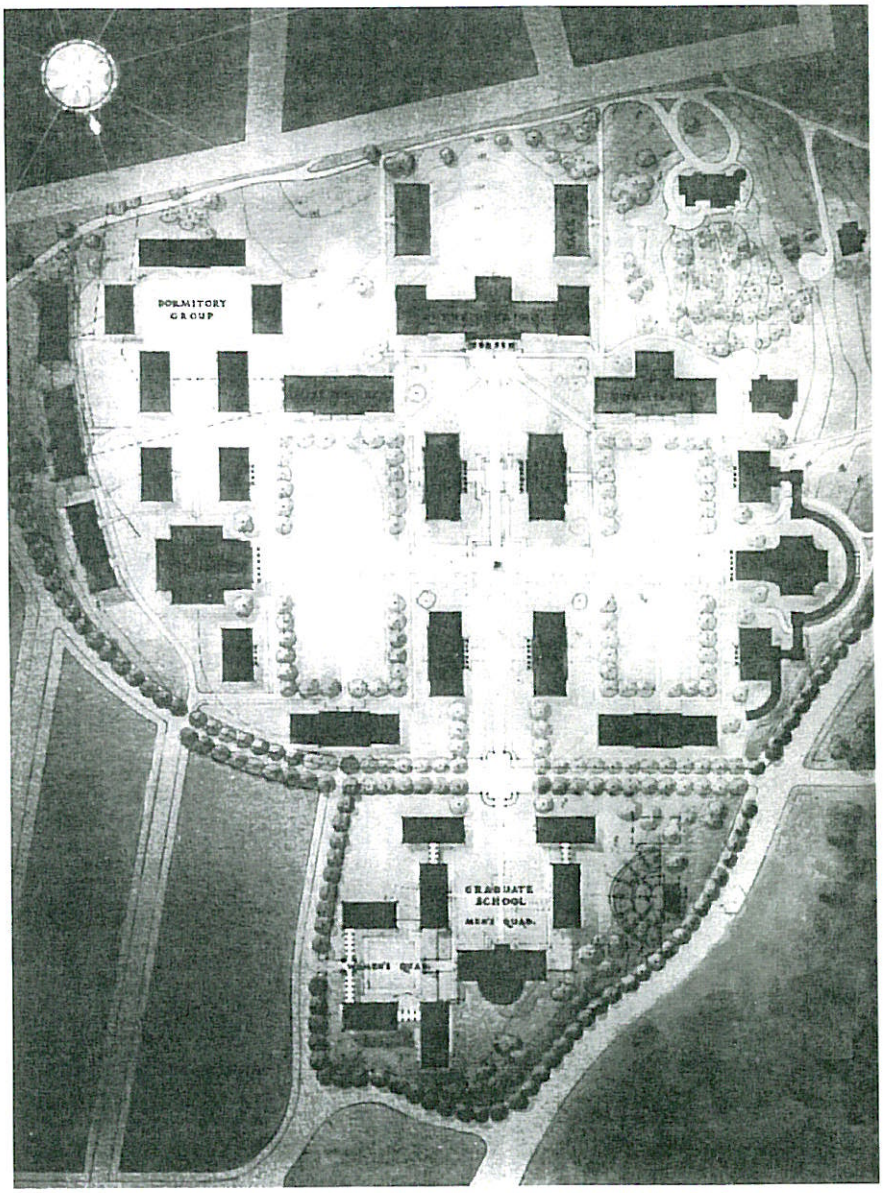
Parking and Other Site Improvements

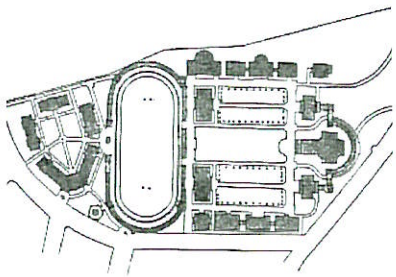
Along with the new construction and building renovation programs, the plan proposes improvements to the campus site. Parking demands cannot be increased at the same ratio of growth as required for new instructional buildings due to the few remaining available sites. A moderate amount of additional student parking will be gained when the Patterson Training Center across University Avenue is again made available to the College. Other site improvements include redefining and increasing the parking areas along the south edge of the campus and reopening the south vehicular entrance to the campus for use by faculty and staff. It is believed that this proposal will greatly reduce current conflicts among pedestrian and vehicular movement and create green space out of inappropriately paved areas.

Phasing and Projected Costs

This Master Plan Amendment recommends improvements which are estimated to cost approximately 238 million in 1996 construction dollars, not including design, furniture and equipment costs, escalation, and other project expenses. The work is proposed to be completed in four major phases over a period of several years. This Master Plan Amendment is a flexible framework for guiding long term physical change to the Bronx Community College campus so that the College can meet its mission into the next century.

CAMPUS HISTORY





top: 1894 McKim Mead and White Master Plan for New York University
bottom: 1920's McKim Mead and White Master Plan for New York University

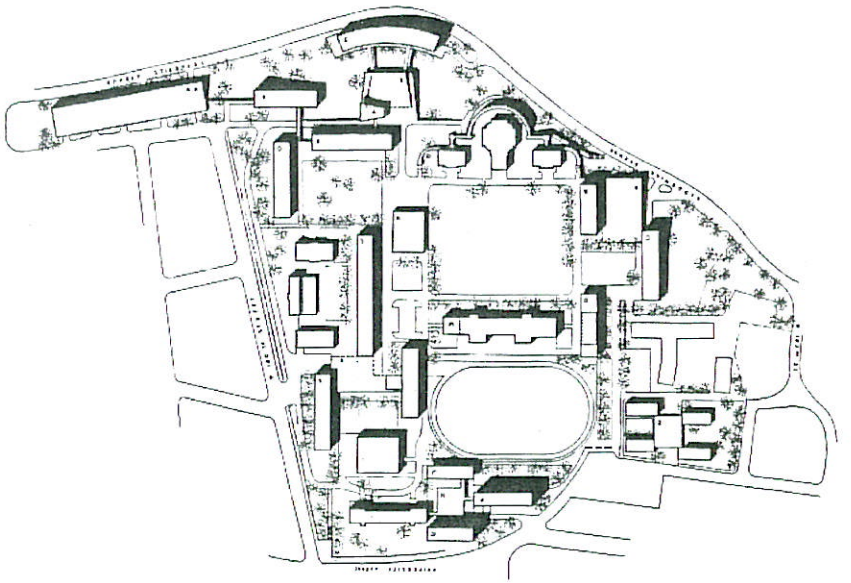
History of Campus Development

In 1892 the country estate of Pierre Mali was purchased by New York University to create a new campus that would accommodate expansion beyond the borders of their downtown property at Washington Square. Dr. Henry McCracken, the Chancellor, selected this picturesque site which commanded views of the surrounding rolling woodlands and the Harlem and Hudson Rivers. The highest point on the campus was the site of Fort Number Eight, an outpost of the British forces during the American Revolution. A monument composed of a ship's mast and canon marks this site today.

Stanford White, of the firm McKim Mead and White, was commissioned to prepare a master plan and design the first buildings. In 1894, as construction proceeded on Language, Havemeyer and Gould Residence Halls, classes were conducted in the Mali mansion (Butler Hall) and the twelve residential buildings scattered across the property. Shortly thereafter, in 1898, the Gould Memorial Library was completed. This monumental domed structure housed the library on the upper levels and a 1,500 seat auditorium on the lower level. It was encircled by an ambulatory that linked Language and Philosophy Halls, which was completed in 1914. Over time, the ambulatory was filled with statues of famous American scientists, jurists, inventors, authors and statesmen. A semicircular museum which could be entered from the North and South Arches was housed beneath the ambulatory. This space was later converted to classroom use but now lies dilapidated and vacant. The three building complex was listed on the National Register of Historic Places in 1966.

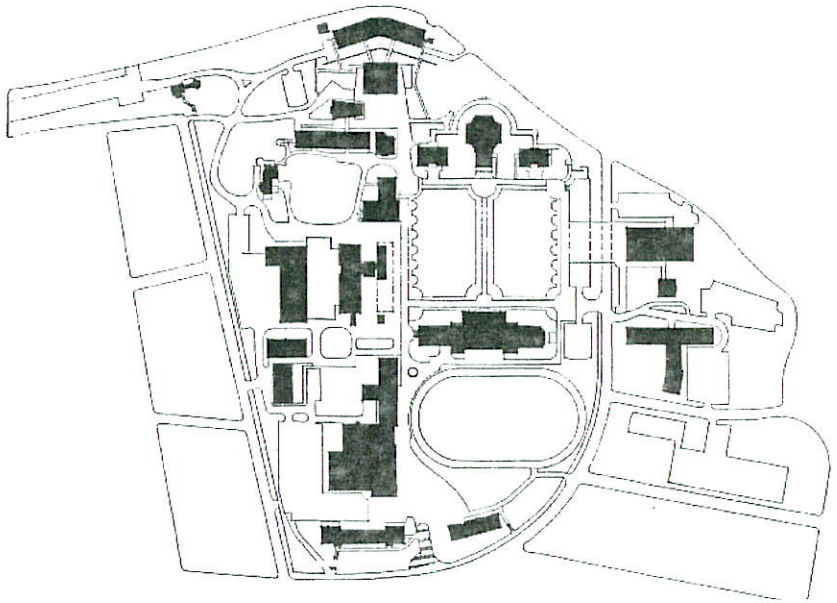
NYU later acquired additional property to the north of Hall of Fame Terrace and the Schwab estate on the south side which increased the campus to over 50 acres. McKim Mead and White were hired to update their master plan in the early 1920's. Although little from this plan was actually constructed, it is notable for its formal north-south and east-west axes which terminate at major buildings. Each terminal building also served as the focal point to a major or minor quadrangle.

1950's Marcel Breuer Master Plan for New York University



The University Heights campus was initially part of NYU's College of Arts and Sciences but subsequently became the School of Engineering and Science. Development on the campus slowed down in the twenties and thirties as Sage Hall, Guggenhiem and Nichols Hall were constructed. The forties brought Bliss Hall and Alumni Gym. At this point construction began to depart rather dramatically from the earlier

1975 Brown, Guenther, Battaglia
Seckler Master Plan



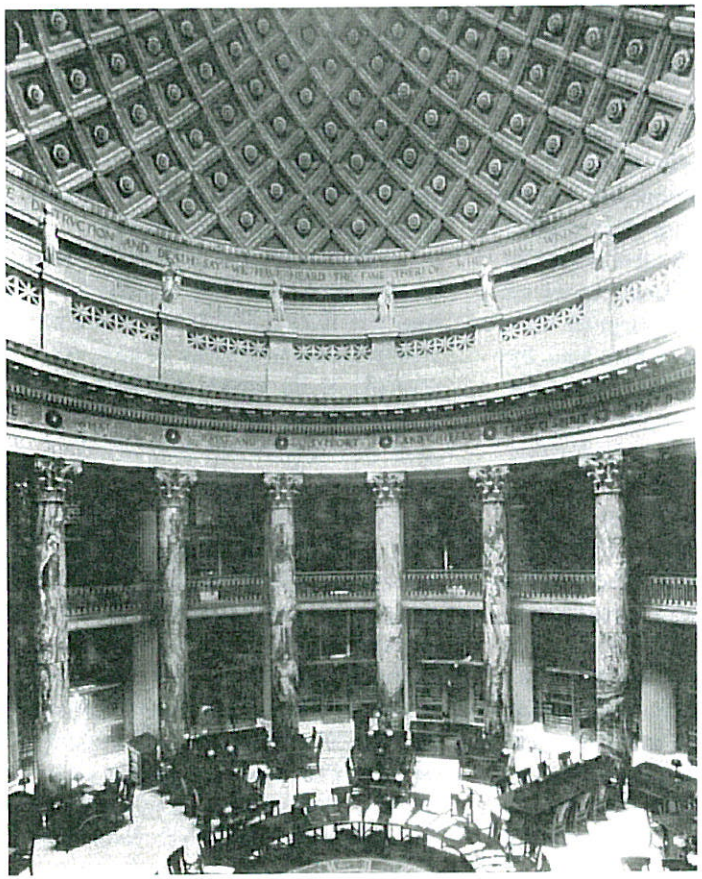
plan. In 1954 Gould Student Center was constructed blocking the east-west axis and the view of the library from University Avenue. In the late 1950's the University commissioned Marcel Breuer to prepare a new master plan and design the Silver Residence and Dining Hall (Colston and Community Halls) as well as Gould Technology and Begrisch Hall. In 1966 Breuer's firm completed the design of the Technology II Building, today called Meister Hall. The placement of these buildings created a new dominant east-west axis with Colston Hall as its terminus, while blocking the integration of the southern-most buildings into the campus fabric.

In 1969, a fire set by a student uprising damaged the floor and auditorium of Gould Memorial Library. The building was never to be used as a library again. By the time most of the damage had been repaired in 1972, the NYU Bronx campus had been purchased by the City University Construction Fund as the new home for Bronx Community College.

Bronx Community College was established in 1957 at temporary quarters on Creston Avenue and 184th Street in the building that formerly housed the Bronx High School of Science. In the late 1960's a master plan was developed for a new campus near Lehman College, using the air rights of the subway yards, but before foundations for the first building were complete, the arrangement was struck with NYU.

A new campus master plan was developed for the College by the firm of Brown Guenther Battaglia Seckler in 1975. The plan proposed a major new arts complex with structured parking north of Hall of Fame Terrace, a major addition to the gym, and a new instructional building behind Meister Hall. Most of this plan was never realized. Since then, the only change to the campus plan has been the construction of the Selective Energy Plant and the creation of ad hoc parking lots throughout the campus. A number of buildings have been converted for new uses over the past twenty years. For example, dormitories have been converted to classrooms and offices, the Gould Library rotunda is partially utilized as exhibition space, and engineering labs have become classrooms for music and art. In addition, most of the land holdings beyond the edges to the campus proper have been divested for other purposes.

left: interior of Gould Memorial Library Rotunda in 1900



PROGRAM ANALYSIS

The most important issue to understand about the space needs of Bronx Community College is that the campus is being utilized for a function for which it was not designed. The campus was previously occupied by NYU's graduate engineering program along with undergraduate liberal arts. This residential campus was not easily converted into a community college. Since Bronx Community College acquired the facilities in 1973, there have been few renovations, and the College now has a series of systemic space problems. Too often this reality is masked by the quality of the McKim Mead & White campus design, especially the beautiful quadrangle. But if you contrast Bronx Community College to its sister institutions such as Hostos or Borough of Manhattan Community College, it easy to see that those facilities were designed for a community college. Even LaGuardia, whose campus was created by the renovation of manufacturing buildings, was designed taking into account the specific needs of a community college.

From this viewpoint it is apparent that the College has a series of remedial problems that require resolution. First and most important is the lack of classroom space on campus. Originally designed for a smaller total lecture contact load, the existing facilities have forced the College to utilize spaces that are inappropriate for class instruction. Second is the need to improve library services. With the historic Gould Memorial Library unable to function as the College library, the College has had to utilize a departmental library within Meister Hall. The resulting limitation has fragmented services. Most notable is the remote placement of one the largest community college audio/video collections within CUNY. Third, the campus designed for a smaller population and graduate program, has no focus for administrative functions that provide student services. These include departments such as the Bursar, the Registrar, Financial Aid, and Admissions, which are presently scattered in various locations on campus.

Based on the CUNY Space Standards, Bronx Community College will have a deficit of more than 350,000 net assignable square feet (NASF) at its target enrollment of 10,000 FTES. Accomplishing this goal will require the renovation of approximately 60,000 NASF of vacant or currently inactive space. This vacant space generally represents space which has not been converted from its original use, and in its present form is of little value to the College. Some of this space is vacant NYU engineering laboratories or laboratory support components which have never been renovated. Most of this square footage lies within the buildings along the

southern boundary. Also, the vacant stack space within Gould Memorial Library is shown as vacant library space even though in its present form the building cannot be used as a library. Making effective use of this space is a critical aspect of the plan.

The 350,000 NASF of expansion is divided between 200,000 for instructional space and 150,000 for support categories. Another important issue for the College is that they currently have over 86,000 NASF of public service functions located on the campus or adjacent properties. This is expected to grow to over 100,000 by completion of the Master Plan Amendment.

The following is a review of Bronx Community College based on the functional categories of the CUNY Space Standards. These categories include Instructional Space, Library, Physical Education, Instructional Resource Center, Assembly, Student/Faculty Services, Data Processing, Administration, and Campus Services.

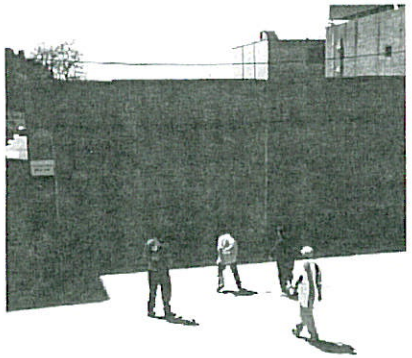
Instructional Space

The category of Instructional Space, based on CUNY standards, is further subdivided into lecture space, laboratory space and faculty offices. The following is a review of each subcategory.

Lecture Space

The classroom situation is critical. By simply looking at the numbers it would appear that the college currently has more than enough space, requiring about 49,000 net assignable square feet and having roughly 59,000. Yet this analysis does not fully represent the problem. Two issues are important. First, when the College occupied the NYU campus, given the limited amount of "designed classroom space," the College placed their additional need for classrooms into the dormitories.

top left: students playing handball
top right: students walking on campus east-west spine
bottom left: stair at University Avenue campus entrance
bottom right: view of space in lower level of Community Hall



These rooms are not of sufficient size, nor properly configured, nor adequately ventilated for the classes the College runs. With typical lecture courses averaging 40 students and remedial courses at 28, the College requires replacement of almost a third of its existing classroom inventory.

The second issue affecting the total need for lecture classroom space is the space factors. Currently the University has space factors for remediation that place a large number of the contact hours into laboratory space. This is represented by the lab space factor of 54 NASF per remedial FTES. In actuality, the College delivers a majority of these remedial FTES in classroom space. A review of the recommended program shows a larger projected quantity of classroom space than calculated, or 89,000 NASF recommended versus 76,000 NASF calculated. Conversely, the recommended laboratory space is substantially less than calculated, representing the transfer of contact hours from laboratory space to classroom space. The net result is that the recommended program for Instructional Space is approximately 90,000 NASF less than the CUNY Calculated Need.

Taking these two issues into account, the College needs an additional 50,000 square feet of classroom space in order to meet its future goal of 10,000 FTES. This number includes both the addition of new classroom space and the replacement of approximately 20,000 net assignable square feet of existing classrooms. This would be an expansion of 125% over current 'functional' classroom space.

Laboratory Space

CUNY's assessment of laboratory space can be divided into two categories, credit and remedial. As earlier discussed, the recommended program reduces the amount of space allocated for remediation with a proportional expansion of lecture space. While this substantially reduces the quantity of lab space proposed within the Master Plan Amendment, the overall need is substantial with an expansion of over 150,000 NASF.

It is important to stress that the quality of the laboratory space should be improved. The renovation project for Meister is the one major project to develop quality laboratory space on campus. Most of the

STUDENT ENROLLMENT PROJECTIONS
FROM WHICH TO BASE PHYSICAL MASTER PLANNING

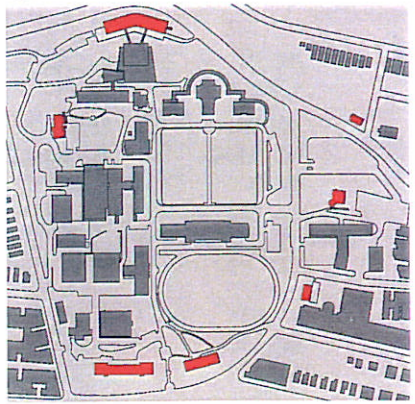
Academic Year	Annual Average Headcount Assumed for BCC	Headcount Changes assumed from previous year for BCC	Systemwide Headcount Projections	% of System-wide Headcount at BCC	Headcount converted into FTES assumed for BCC	FTES Change assumed from previous year	% of Change of FTES Assumed for BCC
1993-94	8,056		207,622	3.88%	6,572		
1994-95	8,362	+ 306	213,787	3.91%	6,822	250	3.80%
1995-96	8,375	+ 12	219,952	3.81%	6,832	10	0.15%
1996-97	8,438	+ 63	(a) 226,117	3.73%	6,883	51	0.75%
1997-98	8,601	+ 164	(a) 233,278	3.69%	7,017	134	1.94%
1998-99	8,870	+ 269	(a) 240,278	3.69%	7,236	220	3.13%
1999-20	9,254	+ 383	(a) 247,486	3.74%	7,549	313	4.32%
2000-01	9,764	+ 510	(a) 254,917	3.83%	7,965	416	5.51%
2001-02	10,418	+ 654	(a) 262,569	3.97%	8,499	534	6.70%
2002-03	11,240	+ 822	(a) 270,444	4.16%	9,169	671	7.89%
2003-04	*12,258	+ 1,018	(a) 278,556	4.40%	10,000	831	9.08%
(a) Projections							
Change from 1993-94 to 2003-04	4,279 Headcount				3,469 FTES		

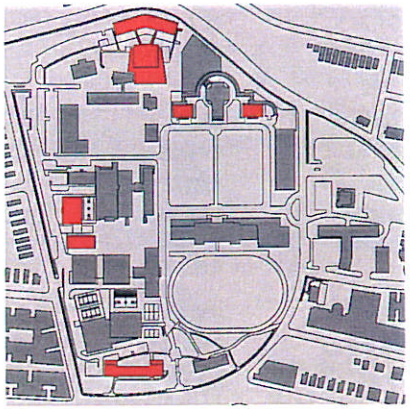
*or at such future date this enrollment

SUMMARY OF CAMPUS SPACE NEEDS PURSUANT TO CUNY STANDARDS

Space Type	(A) Existing Space in Main Campus NASF	(B) Existing Space Currently Inactive NASF	(C) Total Existing Space NASF (A) + (B)	(D) Space Need 1993-94 per CUNY Standards NASF	(E) Space Need 2003-04 per CUNY Standards NASF	(F) Deficit Space Based on 2003-04 Calc NASF (E-C)	(G) Proposed Space Program 2003-04 NASF	(H) Permanent Space To Build by 2003-04 NASF (G-C)
Classrooms, Lecture	62,332	0	62,332	49,818	75,974	13,642	85,061	22,729
Classroom Support	Inc. Above	Inc. Above	Inc. Above	2,491	3,798	3,798	4,000	4,000
Instructional Labs	108,958	17,169	126,127	184,315	287,327	161,200	176,744	50,617
Self-Instructional Labs	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above
Lab Support & Research	Inc. Above	Inc. Above	Inc. Above	2,105	2,687	2,687	3,000	3,000
Academic Offices	52,802	3,413	56,215	37,260	56,774	559	74,500	18,285
Academic Office Support	Inc. Above	Inc. Above	Inc. Above	12,340	18,698	18,698	Inc. Above	Inc. Above
Faculty Research	0	0	0	2,610	4,028	4,028	5,000	5,000
Subtotal Instructional	224,092 NASF	20,582 NASF	244,674 NASF	290,939 NASF	449,286 NASF	204,612 NASF	348,305 NASF	103,631 NASF
Public Service	86,065	0	86,065	100,045	100,045	13,980	100,045	13,980
Subtotal	86,065 NASF	0 NASF	86,065 NASF	100,045 NASF	100,045 NASF	13,980 NASF	100,045 NASF	13,980 NASF
Library	25,030	15,620	40,650	51,246	77,988	37,338	70,211	29,561
Physical Education	38,672	0	38,672	54,000	54,000	15,328	54,000	15,328
Assembly	22,844	0	22,844	34,310	39,242	16,398	39,242	16,398
Student Faculty Services	49,874	0	49,874	69,006	105,000	55,126	101,560	51,686
Instructional Resource Center	12,523	0	12,523	11,000	13,207	684	14,421	1,898
Administrative Offices	43,772	10,593	54,365	39,432	60,000	5,635	72,581	18,216
Administrative Office Support	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above
Data Processing	4,728	0	4,728	4,020	9,408	4,680	4,399	-329
Campus Services	29,962	13,059	43,021	38,777	56,569	13,548	46,161	3,140
Subtotal Support	227,405 NASF	39,272 NASF	266,677 NASF	301,791 NASF	415,414 NASF	148,737 NASF	402,575 NASF	135,898 NASF
Total Net	537,562 NASF	59,854 NASF	597,416 NASF	692,775 NASF	964,745 NASF	367,329 NASF	850,925 NASF	253,509 NASF

left: plan showing buildings originally designed as residences or dormitories
middle: classrooms for probable replacement or renovation
right: computer lab in Colston Hall





remaining elements are utilizing space intended for other uses. The following is a brief look at some of the departmental laboratory space and the types of problems that need to be resolved through the Master Plan Amendment.

Electronic Classrooms, meaning computer laboratories that are scheduled by more than one department, will expand as the computer is further integrated into the College's programs. With potential incorporation of computer contact hours into Mathematics and English courses along with expansion by current users and additional remedial usage, the program anticipates a threefold expansion in the number of stations on campus.

The Art Department, part of the Humanities Division, is currently split between Bliss and New Hall. The department also has a small gallery space located in Bliss. Little renovation occurred in the placement of the Art Program into the two buildings. Lab spaces are not well designed for program. Art will undergo substantial expansion over the next ten years with anticipated FTES growth as high as 35%. For the program, the goal is to consolidate it with a larger gallery. From the division's viewpoint the goal is to consolidate the department with the other departments within the division.

The Automotive Technology program currently has too much laboratory space for its enrollment, but its problem is in the quality of this space. Presently, the facilities include two laboratories in Guggenheim, several un-renovated levels of Sage Hall, and recently acquired space in Nichols' basement. None of the spaces remotely resemble any of the other automotive technology facilities in the region. The department has no central shop from which to hub secondary demonstration laboratories. Also because of the split nature of the current arrangement, it is difficult to provide students access to lab space in off hours. Given that the program is the only one within CUNY, and the closest competing programs are at the two SUNY schools Rockland and Suffolk, it is anticipated to grow by more than two thirds over the next decade. Even

with this growth, a properly designed automotive technology department would be smaller than the space it currently occupies.

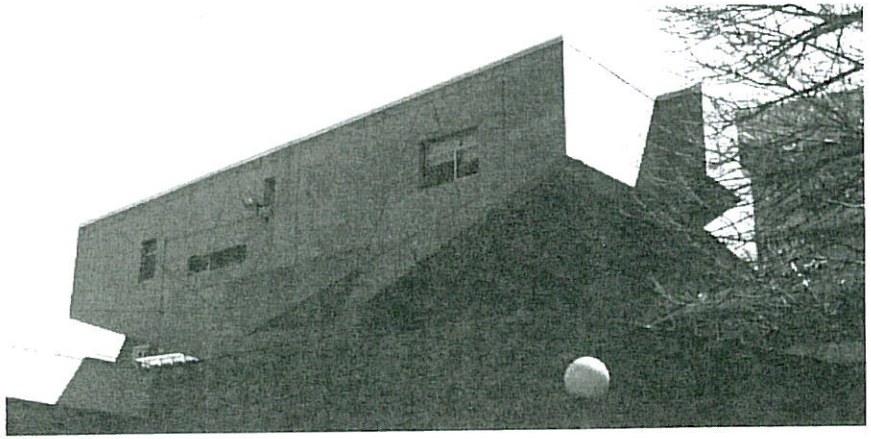
The Biology Department provides both programs and service courses for the College. Redesigned and expanded with the previous Meister Hall renovation project, the department has several problems. First, on a square footage basis the department is too large. However, projected growth in enrollment should alleviate this problem. In addition to that problem, the department has a configuration issue. Biology currently has as many microbiology laboratories as anatomy & physiology and as many hematology laboratories as general biology. The department also has a histo-technology lab that has never been used. This second problem leaves the department unable to handle its anticipated growth which will occur at the level of general biology and anatomy & physiology courses. The laboratories will have to be reconfigured for a larger station count than the specialized laboratories currently allow.

Business is a department within the Business and Careers Division of the College. The department has a learning resource center which is in New Hall remote from the faculty offices within Meister Hall. With growth anticipated at about 20%, the department would benefit from the expansion of the resource center and consolidation with faculty offices.

Chemistry is also one of the sciences to benefit from the Meister Hall renovation project. While aggressive in sizing the department for the renovation, the space will be justified with the anticipated growth.

Five programs, Speech, Debating, Communications, Theater, and Audio/Video Technology, make up the Communications Department. At the present time, the first four function out of Colston Hall. Expansion developed, and a large performance space is required for all four. The fifth program, Audio/Video Technology, was a recent addition to the list of programs offered at Bronx Community College. Located on the lower levels of Meister Hall, the program shares a television studio, control room, editing, and storage with Crosswalks, CUNY's cable television station.

Begrisch Hall

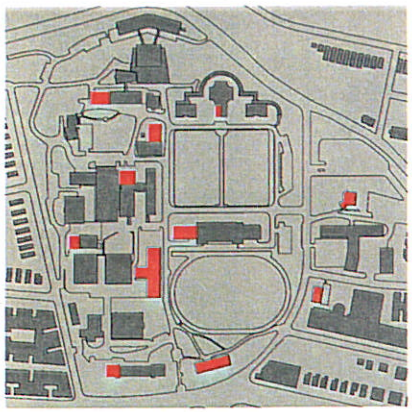


While enrollment is expected to grow by 55%, the Master Plan Amendment program does not foresee further facility expansion within the next ten years.

Faculty Offices

The faculty offices on campus are quite varied. An individual office may range from 200 to only 100 net assignable square feet. This variation in the size of offices creates some inequality between depart-

location of non-college program



ments, but from a total square footage viewpoint, the college has sufficient space for its current faculty. With the long term goal of 10,000 FTES, the faculty offices need to be expanded by 50%.

Public Service

The College's 86,000 NASF of Public Service space includes programs that are funded through grants administered by the College and programs or functions that are self funded. The self or directly funded organizations on campus are University Heights High School, Community Board #5, NCUP and Crosswalks, the CUNY cable television station.

Of these, University Heights High School is the largest, occupying over 27,000 square feet primarily within Nichols Hall. The school took possession of the building on an "as is" basis. This is similar to the College as a whole. The problem is that occupying the space without sufficient renovation dollars leads to inefficiencies in the way in which the space is used. The High School relies on the College for large assembly space, library, and gymnasium facilities. The high school students also utilize the College's cafeteria extensively. The goal of the Master Plan Amendment is to provide the high school with a more tailored space, freeing Nichols Hall for College instructional programs.

The Community Board #5 occupies space within Philosophy Hall. It is assumed that for community relations purposes that this will continue into the future. Similarly, the National Center for Urban Partnerships, which receives its funding from the Ford Foundation, occupies space within Gould Memorial Library.

Crosswalks was located at the Bronx Community College Campus as part of the development of an Audio/Video Technology Program. The two functions, located within Meister Hall, were designed to share a television studio and related support functions. The intent is to make a modest expansion of the Crosswalks facility to accommodate additional staff plus more editing capabilities.

Public Service entities that are externally funded yet administered by the College are divided into several broad categories. These categories are Community Services, Services to Bronx Community College Students, Training Programs, High School-To-College Programs and Youth Programs. While many of the grant sponsored programs are quite small, it is important to note that the College receives more than 14 million dollars to administer these programs. Comparatively, the grant funding represents 40% of the College's annual operating budget. This places Bronx Community College in the top five community colleges in the country supporting this level of externally funded activity. The projected need for both of the programs administered by the College and those that are self administered is just over 100,000 NASF.

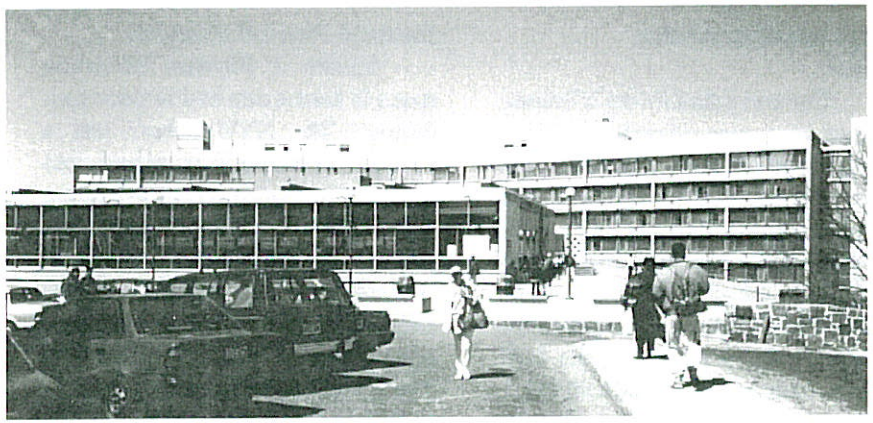
Bronx Community College supports a wide range of community service programs. These include Aids Outreach, Bronx Family Services, and Save Our Seniors. Both Aids Outreach and SOS are modest programs, with the College allocat-

ing space for professional staff while services are provided off-site. Bronx Family Services, supported by the City of New York, provides a variety of training and counseling services to families within the neighborhood. The program occupies Snow Hall, an old residential dormitory, lying outside of the primary boundaries of the College. The master plan program indicates that all three community services will remain essentially the same size as they are today.

Several of the grant sponsored activities are in support of the students enrolled at the Community College. One of these is the Family College, a joint program between the Board of Education, the Department of Human Resources, and the College. Occupying the annex to Gould Student Center, the Family College provides primary education for kindergarten through second grade. The program allows parents who are enrolled at the Community College to concurrently enroll their children within the Family College. In addition to primary education for the children, the Family College provides direct support to the parents.

A different group of programs focus on training people to enter the work force. In contrast to fee based continuing education, the people in these programs are generally on some means of public assistance. Their participation is required by the public agency from which they receive their assistance. The largest of these programs is Begin, occupying more than 12,000 NASF on the campus. The program trains mothers currently on public assistance with an intensive 40 hours a week skills development program. Funding is provided by the Office of Human Resources Administration. Other programs are the Skills Enhancement Center, Displaced Homemakers, Occupational Education and Project HIRE, Help in Re-entering Employment. Most of the funding comes from either the State Department of Labor or the City Department of Employment.

Community and Colston Halls



The College runs a series of programs for high school student promoting their entry into college. These programs include Liberty Partnership, Science Technology Entry Project or STEP, and Upward Bound. All have dedicated space for administrative staff and tutoring facilities and also utilize the college's facilities for instruction. Pending is a grant for a new program called Talent Search.

The College also has several youth programs which are not college oriented. Two of these, City Works and Youth Internship Programs, are training and job placement programs for teenagers. A third is the Teenage Opportunity Program or TOP. This program provides food and recreation to teenagers whose families are in one of the

City's homeless shelters.

Library

Currently the Library is housed within what was originally a NYU departmental library. Located at the lower level of Meister Hall, the library is remote from one of its components, the Learning Center. The Learning Center, whose name implies remediation, actually has the primary role of managing the College's audio/video media collection. This collection is one of the largest for a community college in the region. The goal is to consolidate both the Library and the Learning Center with Instructional Resources into a single Library Resource Center. When viewed together, the Library and Instructional Resources currently occupy less than 40,000 NASF with a calculated future need of almost 90,000. This is the largest percentage shortfall by category of space within the college.

Health & Physical Education

Health & Physical Education space is inadequate and in poor condition. The NYU School had a smaller population requiring less space to be dedicated for recreation and athletics. While CUNY has recently eliminated physical education as a college requirement, the need remains to provide recreation space for the college population. The proposal is to expand the current facilities by approximately 16,000 square feet to provide a new, larger gymnasium facility in addition to the current building, plus modernizing the existing facilities.

Assembly

The Gould Memorial Library, containing both the Rotunda at the main level and the Auditorium at the lower level, adds architectural qualities to the campus that most community colleges do not enjoy. In addition, the college has two other assembly spaces, Schwendler Auditorium in Meister Hall and the Hall of Fame Playhouse in the Student Center.

Student/Faculty Services

Understanding the previous use of the campus provides some insights into its current limitations. The original campus, with a smaller population, provided a central student center with lounge space distributed in the dormitories. In addition, a residential food program with kitchen and dining was provided at Community Hall adjacent to Silver Dormitory, now Colston Hall. The first problem is that today's Student Center is too small. Nowhere is this more apparent than the dining hall. The dining hall is actually smaller than the one in Community Hall which was NYU's primary dining facility. Also, the student lounge spaces are poorly distributed because original dorm lounges were often converted to classroom space

Expansion of the College Bookstore is an important goal. Located on the second floor of Gould Student Center at the end of the corridor, the Bookstore lacks visibility. The second floor location also has limited access to a loading dock. With the growth in enrollment, the Bookstore must expand to almost three times its current size to develop adequate merchandising space, book shelf space and adequate bulk storage. In general, the goal of the Master Plan Amendment is to double the square footage dedicated to Student/Faculty Services by the expansion of the Student Center and development of distributed lounge spaces throughout the campus.

Somewhat independent from the expansion of other elements of Student/Faculty Services is child care. The College currently has child care services located off site in the Altschul House. The College has an

approved capital request to place a new Child Development Center on campus on the site of the old Stevenson House. The new project will expand the current 5,600 square feet of childcare to over 10,000 NASF. Once completed, there is no further expansion of the Child Development Center anticipated within this Master Plan Amendment.

Instructional Resources

Instructional Resources includes both the Instructional Services Department in the lower level of Meister Hall and Academic Computing within Sage Hall. The Instructional Services Department provides most of the audio/video equipment services on campus. In addition the department maintains a small film collection and viewing facilities. Academic Computing administers both the scheduled computer laboratories plus provides students independent access to computers. The goal of the Master Plan Amendment is to consolidate the functions with the Library to create a consolidated Library Resource Center.

Administration

As a result of the acquisition of the NYU Campus, Student Services is the least physically organized element of the College. With a smaller, more homogenous population, the NYU campus did not have the need for a consolidated service complex that community colleges require. The result was to place the student service functions within two dormitory buildings, Loew and Colston. The problem today is that intake functions like Financial Aid and Admissions do not have the functional relationship needed to support a student trying to enter the college. In reality they are at opposite ends of the campus. Similarly, advisement functions are remote from the Registrar. The need and goal of the program is to create a consolidated facility containing both the transaction orientated functions, such as the Bursar, and the advisement functions. The following is a brief overview of the more critical departments.

Admissions is located within Loew Hall. As a residence hall, the building has large lounge space at either end, and the admissions department was placed in one of these. Today, the department's space is half the size of what is currently required. Long term, it needs to be expanded to more than three times its current size. Its placement on campus is not bad, as Loew Hall is adjacent to the primary pedestrian entrance to the college. But for its other relationships, the location is less than desirable. Financial Aid and the Registrar are Admissions' critical relationships, and both are located at the opposite extreme of campus within Colston Hall.

The Bursar is placed in Community Hall which was originally designed as the communal space for Colston, providing food and lounge space for the dorm rooms. Since it is placed in one large space, the Bursar actually functions quite well in comparison to its related departments housed in Colston. Placement is good with Financial Aid and the Registrar in close proximity.

Located within Loew Hall on the third floor, the Career Center is, as are most departments within the dorms, fragmented and lacking a clear entry or waiting area for students. Without a clear identity, the department lacks the ability to function properly and has insufficient space for library resources and to run career workshops.

Like the Career Center, Counseling/College Discovery is scattered within the dorm rooms of Loew Hall. Similarly, the department does not

Colston Hall

have an identifiable front door and is unable to 'capture' a student coming for services. With the anticipated population growth, the department needs to expand to almost three times its current size.

The PASS Center is the only student service on campus that is configured like a service department. Located on an upper floor of Sage Hall, the PASS Center has a normal reception and waiting space. The program provides a group of consolidated services including tutoring, legal counseling, psychological counseling, career planning and transfer functions. The program is grant funded and aimed at a select population of students on campus. In many ways, both in layout and arrangement of services, the PASS Center represents the larger concept of a campus student service complex.

Placed in Colston Hall, Financial Aid is one of the least functional spaces of student services. Colston has extremely narrow corridors on its western side, which prove a major limitation in handling the large number of students at the College who are on some form of financial aid. Also fragmented by being placed within individual dorm rooms, the department has a difficult time managing both students and personnel. The dormitory room layout also results in requiring the department to be larger than is otherwise necessary. The future goal is to place the department adjacent to Admissions while maintaining the key relationships of the Bursar and the Registrar.

The Registrar, like Financial Aid, is hampered by its placement within Colston Hall. Compartmentalized into individual dorm rooms, the Registrar is simply not functional for handling large numbers of students. A relocation and redesign would not only solve the functional problems the department faces, but also reduce the need for space

because of the inefficiency of the dormitory rooms. The department should continue to be placed in proximity to the Bursar and Financial Aid, but additions should be in Admissions and other service departments providing student advisement. Any consolidation of these service departments should include the smaller departments such as Health Services, Substance Abuse, Veterans Affairs, and Testing along with providing ample orientation space.

Other administrative departments, while not having day to day student interaction, are equally important. These include the President and related offices, the four Deans, the Personnel Office, the Business Office and the Campus Planner. The President along with the related functions of Institutional Research and College Relations are located off of the main quadrangle within Language and Philosophy Halls. This appears to be both the obvious and appropriate location.

Currently two of the Deans, Academic Affairs and Continuing Education, Grants & Special Programs are located within Philosophy and Language Hall. These locations also are appropriate for the two Deans. The other two Deans, Administration and Students, are located with their departments. The Dean of Students is located in Loew Hall adjacent to the student advisement departments under the Dean's supervision. A future location within a centralized student service center would be a logical future location.

The Dean of Administration is currently located within South Hall adjacent to Personnel and Campus Planning.

Data Processing

Data Processing, or the College's Computer Services, is one of the anomalies occupying the old NYU Dorms. 'Room-wise' the department needs additional space to run training programs, yet an evaluation of its square footage shows it to have too much space both for its current and future needs. This situation actually occurs for many of the office functions placed in Colston Hall. The configuration of the dorm rooms standardizes office space at almost 200 square feet each. The result is that the department may have generous offices but insufficient space for all of their functions. If Computer Services remains in its current location, little can be accomplished to reduce the quantity of space that the department occupies and expansion will be required.

Campus Services

Campus Services are currently distributed between five buildings on campus. Maintenance Operation Services and Receiving is located within New Hall and the Energy Plant. The Print Shop and Mailroom occupy the old kitchen within Community Hall. Loew Hall provides home to the security department. Finally, the Technical Services Unit, providing telephone and computer services, is located within South Hall. The combination of these five components occupy just short of 30,000 net assignable square feet. The recommended program expansion will increase Campus Services to 46,000 NASF. This is well under the 56,000 NASF that is the CUNY Calculated Need.

A goal of the Master Plan Amendment will be to try and consolidate some of these services. This will provide a better functional relationship between related departments. Security would be one of the exceptions, as its current location within Loew is adjacent to the primary pedestrian access to the College, and this location is appropriate given that most students enter the campus at this point.

CAMPUS PHYSICAL ANALYSIS

Summary of Campus Concerns

During the on campus programming sessions, the College's administration, faculty, staff, and students determined the functional and physical deficiencies of the campus which have the strongest impacts on the College. These issues are reviewed in detail within this chapter. The highest priority issues are summarized below:

Classroom Quality

Many classrooms on campus are significantly undersized for today's section sizes. This over utilization compounds inherent problems with ventilation, lighting, acoustics, room furnishing flexibility and technological capability.

Classroom Location

Classrooms are currently either concentrated in Colston and Meister Halls or sporadically located in buildings at the campus edge. Classrooms need to be relocated in a logical fashion.

Departmental Contiguity

Departments felt that they needed to strengthen their identity on campus. Each department should be housed, to the degree possible, in contiguous areas rather than scattered in several facilities.

Hierarchy of Function

Currently there is no clear model for the relationship between traditional academic, non-traditional, and other programs housed on campus. Each area has special needs related to space, schedule and location on campus which are currently in conflict.

Appropriateness of Function

Only a small percentage of the buildings on campus are currently serving the purpose they were designed for. The College cannot fully utilize a number of facilities due to inherent design restrictions.

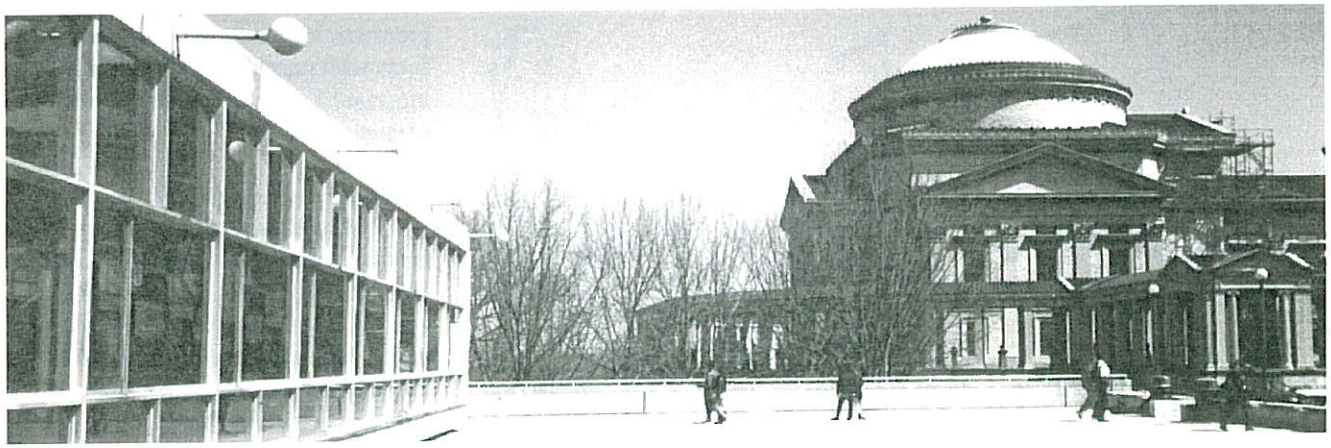
Library/Learning Center

The library is currently housed in NYU's engineering department library, located in the lower levels of Meister Hall. The facility is undersized and lacks the capability to accommodate newer technologies. The learning center is located in Sage Hall. These functions should be consolidated to a single building with a more prominent location on campus.

Campus Character

The attractive historic buildings and landscaped areas on campus create a collegiate atmosphere which is a major asset to the College. The southern end of the campus, however, has some unsightly areas and feels fragmented from the rest of the campus.

view from plaza in front of Community Hall looking toward Gould Memorial Library



Student Services

Student Services are currently dispersed at opposite ends of the campus and mostly housed in dormitory space. They need to be consolidated in one centrally located facility which contains a space large enough to accommodate student queuing for registration activities and presents a good impression to incoming students.

Student Activities

The Student Center is undersized and presents a poor image to students . Student functions need to be centralized to encourage utilization. The campus also lacks dignified comfortable student lounges and quiet study areas.

Infrastructure

Problems are inherent with the heating and cooling systems in many buildings. The reliance on window units for air conditioning in most buildings is costly and inefficient. Many buildings have inadequate controls on heating systems. Many rooms throughout the campus have insufficient lighting. Telecommunications pathways need to be developed between buildings on campus and with other campuses. Computerization and networking needs to be developed throughout the campus. Telephone service must be improved and extended. Many of the existing utility distribution systems are well beyond their useful life.

Site Circulation

The pedestrian circulation network on the campus is not well-defined, particularly at the southern edge of campus where topography, buildings, and roadways are in conflict. Funneling all vehicular traffic through the main gate creates pedestrian conflicts, traffic jams and excessive traffic flow through the heart of the campus. There are insufficient parking spaces on campus to meet the demands of the faculty, staff, students and special program participants. Public transportation to the campus is not considered to be convenient. The daytime bus service between the campus and Fordham Road is infrequent and unreliable. Parking spaces are dispersed throughout the campus in often inap-

top left: location map
top right: view along West 180th Street
bottom left: view along West 180th Street
bottom right: view along University Avenue

propriate locations resulting in conflicts with pedestrian circulation patterns and the overall aesthetics of the campus.

Handicapped Accessibility

Most building entrances on campus are not handicapped accessible. In those that are, accessibility often is restricted to one floor due to lack of elevators and appropriate toilet facilities. The only campus entrance served by public transportation is not accessible.

Regional Location

Bronx Community College is located in the University Heights neighborhood in the Bronx. It overlooks the Harlem River and northern Manhattan. Regional highway access to the site occurs via the Major Deegan Expressway, with ramp connections at Fordham Road to the north and at West 179th Street. University Avenue is an important arterial road that provides access from the east side of the campus.

Local surrounding streets to the College include Sedgewick Avenue, forming the west boundary of the campus; Hall of Fame Terrace to the north; University Avenue on the east and west 180th Street to the south.

Local public transportation services serving the campus area include the Metro-North commuter railroad at the University Heights Station off Fordham Road. The station is approximately a 20-minute walk from the campus entrance. The nearest subway access is at the Burnside Avenue Station on the #4 line, located four blocks east of University Avenue. The nearest stop on the IND line is the Tremont Avenue Station, a further four blocks to the east. Bus lines are located on University Avenue and on Burnside Avenue.

The campus is located within

the Community Board #5 District, which covers an area involving a resident population of approximately 112,000 people. Surrounding land uses include a mix of housing, institutional facilities and park uses. Most of the nearby housing is multi-family. West of Sedgewick Avenue is University Park. Two new school buildings are located near the Bronx Community College site: one on Sedgewick Avenue, immediately north of West Burnside Avenue, and the other on Hall of Fame Terrace, between Loring Place and Andrews Avenue.

Zoning

The campus falls within the R5 land use zone, an area that extends from Tremont Avenue to the south and to Fordham Road to the north. The R5 designation applies to medium density housing areas and allows institutional uses such as schools and colleges. The permissible floor area ratio (FAR) is 1.25. Regulations also restrict site coverage to a maximum of 55% and at least 33% of the site must be retained as accessible open space.

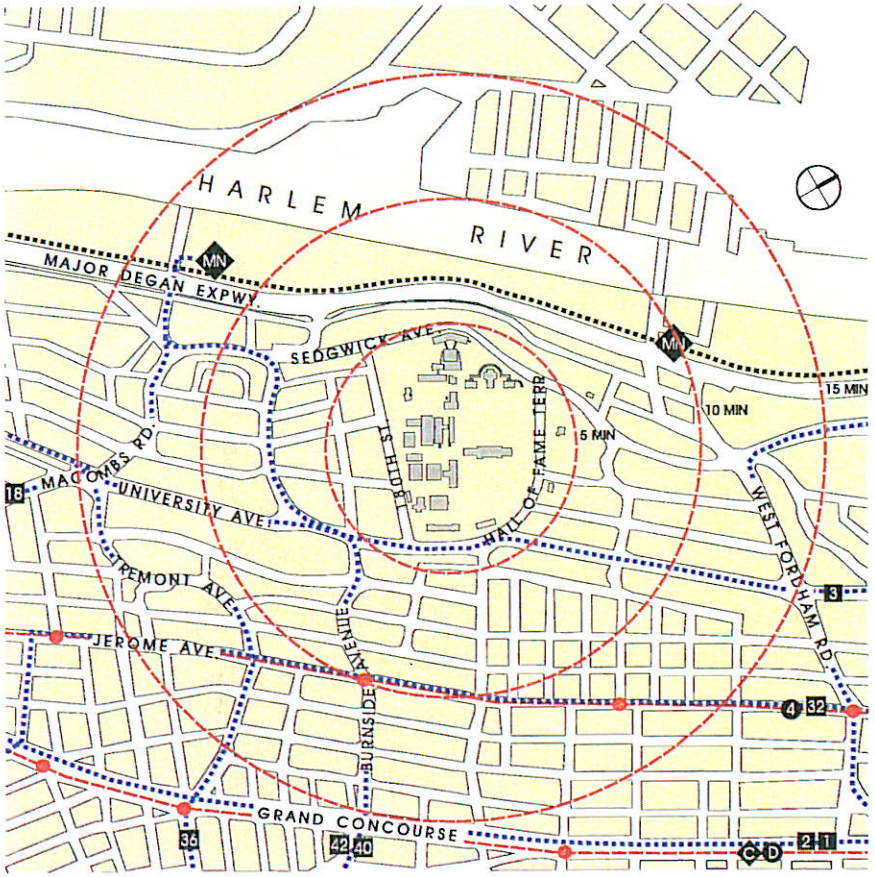
The R5 zone also has limitations on building height. In general buildings located towards the edge of the site are limited to a maximum height of 40 feet (including a mandatory setback at the 30 feet height). Taller structures are allowed away from the site perimeter provided certain setback requirements are met.

As a City of New York property, the campus is not required to comply with local zoning requirements.

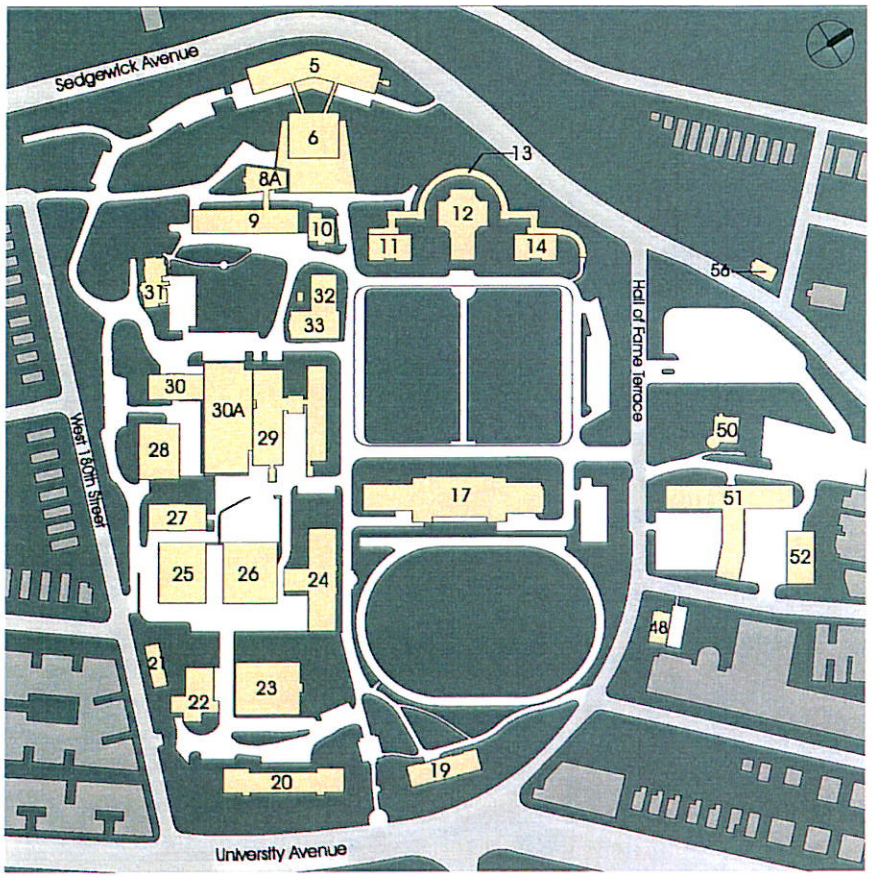
Campus Organization

Of all the campuses in the CUNY system, Bronx Community College has one of the most spectacular sites. It is located on a hilltop

plan of campus neighborhood



Existing campus site plan



5. Colston Hall
6. Community Hall
8A. Begrisch Hall
9. Gould Technology
10. Butler Hall
11. Language Hall
12. Gould Memorial Library
13. Hall of Fame
14. Philosophy Hall
17. Gould Student Center
19. Gould Residence
20. Loew Hall
21. Systems Science
22. Loew Annex
23. Alumni Gym
24. Nichols Hall
25. New Hall
26. Energy Plant
27. Bliss Hall
28. Guggenheim Hall
29. Meister Hall (formerly Technology II)
30. Sage Hall
30A. Sage Annex
31. South Hall
32. Havemeyer Hall
33. Havemeyer Annex
48. Snow Hall
50. McCracken Hall
51 Patterson Training Center
52. Patterson Garage

overlooking the Harlem River and is visible for quite some distance from the west. As an urban campus it is unique in that most of the property is cloistered from the bustle of the surrounding streets by topography and landscape. As first time visitors enter the campus from Hall of Fame Terrace, they are usually surprised to find a tranquil green quadrangle with a historic building complex as its centerpiece. The campus is also unique in that it possesses Ohio Field, a regulation sized running track which accommodates a softball field, soccer pitch, and practice areas for athletic events. The original plan linked the quadrangle to Ohio Field with a strong axis which terminated on the library. That axis is now obstructed by Gould Student Center.

The typical BCC student today has little interchange with this quadrangle. Students primarily circulate in an east-west direction along the central campus spine between the

entrance along University Avenue and Colston Hall. South of the central spine, the campus is an ill-defined mix of facilities providing little definition to exterior spaces. Linkages are hampered by parking, poorly sited facilities, and steep gradients. Instructional buildings are mixed with service facilities. Pedestrians must navigate between trailers and down narrow stairs. Building entrances have little relationship to axes or each other.

Since the 1975 plan, the boundaries of the Bronx Community College campus have changed. In the early 1990's, two of the campus parcels were designated as sites for NYC Board of Education projects. They included the PS 226 site at the south west edge of the campus along Sedgewick Avenue and PS 15 at Hall of Fame Terrace and Loring Place which can be seen across the campus.

The property north of Hall of Fame Terrace houses the main student parking lot which was recently repaved by the Board of Education as a condition for the land transfer. It is also the site of McCracken Hall, the former residence of NYU's chancellor. and Snow Hall, also a former residence. These facilities are dedicated to sponsored activities and are independent from College operations. In 2003 when the US Army's lease for the Patterson Training Center expires, this property will become part of the campus.

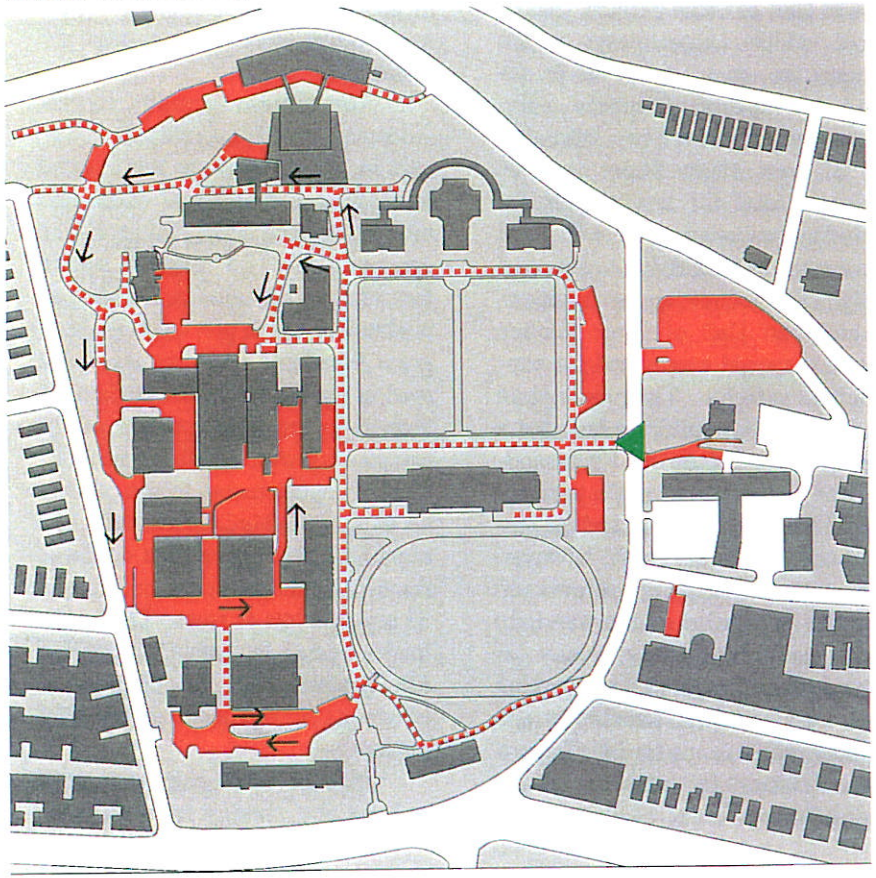
Access and Parking

Primary vehicular access to the campus occurs off Hall of Fame Terrace and involves two main driveways. The main entry to the campus includes a manned guard house and provides access to the road network serving the campus. A second entry, also with a check point, gives access to the student parking lot on the north side of Hall of Fame Terrace. Additional vehicle entranceways to the campus are either closed off or are used for special purposes only. These entries include two entrances off of west 180th Street (one of which is used for service vehicles including sanitation trucks); dis-used driveways off University Avenue and Sedgewick Avenue; and an additional entry off Hall of Fame Terrace used for special events and for construction vehicles. The road system serving campus buildings includes a clearly defined loop road surrounding the grassed quadrangle between Gould Memorial Library and the student center. To the south, however, the road system is poorly defined and consists of a series of one-way loop roads and cul-de-sacs, many of which pass through surface parking lots. As a result, circulation and turning radius needs for Fire Department vehicles, for example, are not met in several areas of the campus. In addition, small sections of roadway leading to closed gateways are in disrepair.

The campus currently accommodates a total of approximately 629 cars in surface parking lots located throughout the campus. With the total existing development involving approximately 1.1 million square feet, the parking ratio for the campus is almost 1 space per 1,700 sq. ft of gross floor area. 165 spaces of the total are provided in the student lot located in the north portion of the campus, across the Hall of Fame Terrace. It is connected to the parking lot adjacent to McCracken Hall. The remaining 464 spaces are scattered throughout the main campus area in 33 separate lots or areas. The largest lot is located beneath Colston Hall (48 spaces), with the majority of other lots accommodating less than 10 cars.

Except for the main student lot and the new parking areas on either

vehicular circulation diagram



side of the main campus entrance, parking areas are generally in poor condition and require re-surfacing and landscape treatment. There are limited handicapped parking spaces (11 spaces) on campus. Most of them, however, are not compliant with size requirements for ADA parking and are not provided with access aisles. Only 5 spaces provided within the student parking lot on north campus meet ADA regulations.

The layout and distribution of parking lots presents a number of problems:

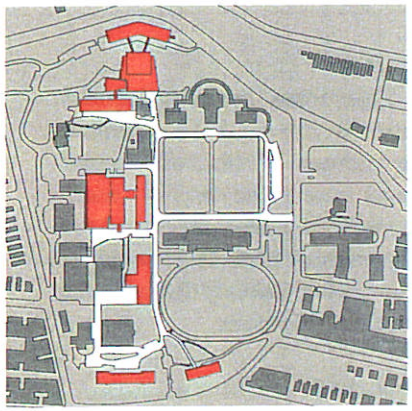
- Apart from the student parking area, parking spaces are scattered in haphazard fashion throughout the campus.
- The majority of parking areas lack landscape treatment and as a result contribute to the poor image prevalent in the southern section of the campus.
- The high visibility of parked cars on campus is due in part to the large number of curbside parking areas that occur along the internal road network.
- The large number of small-scale lots result in drivers circulating within the campus seeking vacant parking spaces, thus contributing to pedestrian-vehicle conflicts.
- Parking provision at peak periods of the week (particularly during morning hours) is inadequate. As a result the main campus includes a number of cars parked illegally in undesignated areas.

Pedestrian Circulation

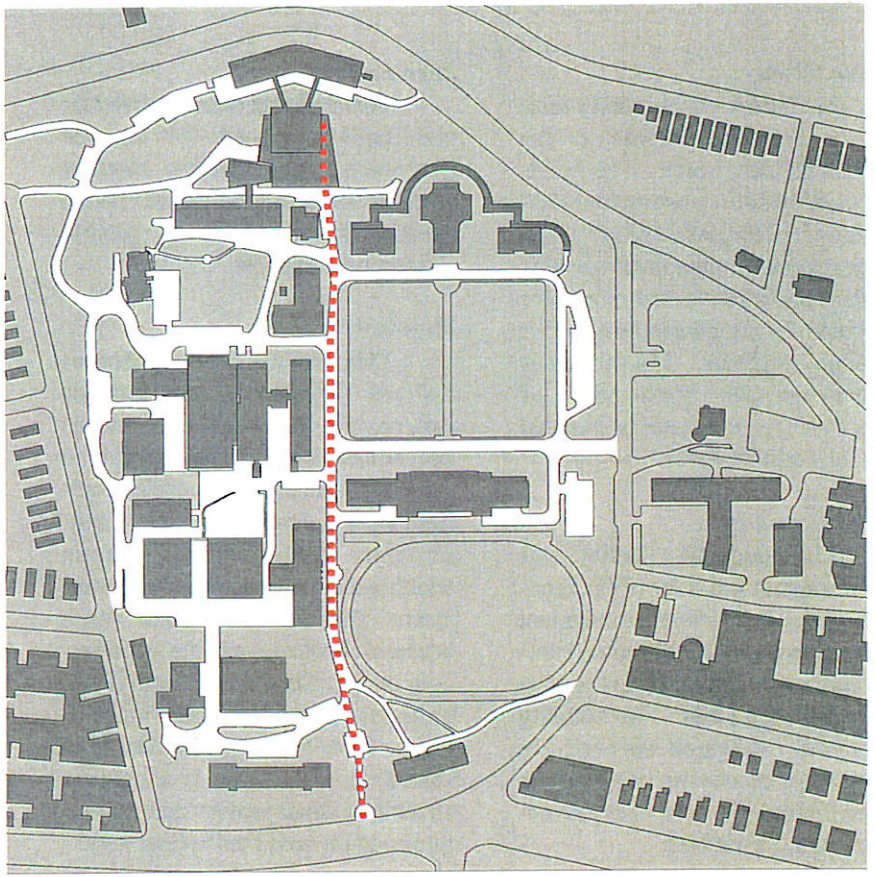
Pedestrian access into the campus occurs at two entry points. The major gateway is from University Avenue, leading to the main east-west pedestrian spine that terminates at Colston Hall. The second entry is at the vehicular entrance off Hall of Fame Terrace, where pedestrian traf-

fic is largely generated by users of the student parking lot. Apart from the path system circling the main quadrangle, pedestrian routes are poorly defined and occur along the existing roadways or through parking lots. In many cases the pedestrian routes coincide (and compete) with the vehicular traffic.

Much of the Bronx Community College campus is not accessible to disabled students. Some buildings lack ramps, most buildings lack elevators, and portions of the site, particularly on the south side, exceed permissible gradients. The primary student entrance along University Avenue is not accessible, requiring disabled students to travel to the Hall of Fame gate to enter the campus.



left: handicapped accessible buildings
right: pedestrian circulation diagram



Building Functional Analysis

The Master Plan Amendment proposes significant reallocation of program elements into buildings which are more physically compatible. In order to complete that task, it is important to have a clear understanding of the characteristics of the existing buildings and their inherent limitations in terms of function.

Altschul House:

This former single family residence is currently utilized as the campus childcare center. The building's combustible construction classification, configuration of small spaces and the limited area per floor render this three story structure unsuitable for its current use or for academic programs. The facility is located on the West side of Sedgewick Avenue and is isolated from the main campus.

Alumni Gymnasium:

This multistory facility was built as a gymnasium for NYU varsity athletics. Its vertical arrangement creates very poor circulation and renders portions of the building inaccessible from each other. The building is not well configured for coed use with lockers inconveniently located. The building lacks adequate instructional space for classes.

Begrisch Hall:

This building contains two lecture halls designed for science instruction. The building requires refurbishment and conversion of the unused lab prep areas to general instructional support.

Bliss Hall:

This facility currently houses the art department and campus gallery. It is unique in that it contains one of the few high bay spaces on campus.. That space is currently utilized by the Begin program, a construction skills training program which uses the space for large projects. The old boiler plant which became obsolete with the construction of the Selective Energy Plant occupies significant area in Bliss Hall. Now that asbestos has been abated in this space, it should be studied in detail to determine if portions can be used more effectively.

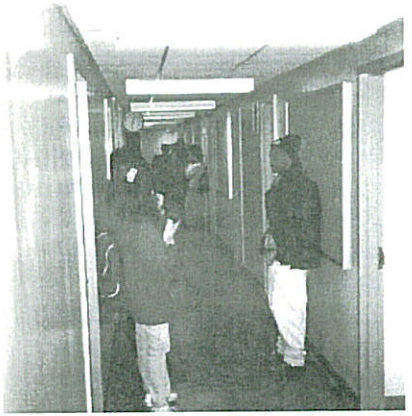
Butler Hall:

This three story residential structure is the old Mali Mansion. Large portions of this building are currently vacant due to poor conditions, while the remainder is used for faculty research labs. Its location on the main spine makes it desirable for instructional functions.

Colston Hall:

This building is the College's primary instructional facility. A former dormitory, it was constructed with concrete bearing walls between pairs of rooms. There are numerous issues which make this inadequate for its current purpose. Classrooms which were sized to accommodate 16 students now serve 28, those larger rooms designed for 24 students must now accommodate 40. The plastered concrete ceilings are extremely low for classroom use and require lights to be surface mounted.

classroom corridor in Colston Hall



The ventilation of classrooms through perimeter fan coil units is inadequate to serve current occupant loads. Ventilation is non-existent in corridors and lobbies. Corridors have been increased to NYC code minimum of 54" in areas the renovation designated for classroom use, but remains inadequate for volume. In other areas where the College has converted offices to classrooms, the corridor widths do not meet code minimums. There is insufficient

left: typical Colston Hall classroom
right: existing blocked campus entrance at West 180th Street

waiting space in front of elevators and the elevators are slow. Stairs are not wide enough to accommodate heavy volumes between classes. All rooms and offices have extensive views and daylight. The basic dormitory room module provides a spacious office averaging 150 NASF, yet this exceeds the CUNY Standards for faculty offices.

Community Hall:

This building is linked to Colston Hall with two bridges and was built to serve as its dining hall. The glass enclosed upper level is actually the entry point to Colston Hall. It currently houses some of the transaction based student service functions, but its small size does not allow for adequate support or space for private consultations with students. The former dining hall on the lower level contains the only large open space on campus. It currently serves as lounge space and is utilized for registration and other assembly purposes. The area which was the former kitchen and servery houses additional student service functions as well as the campus print shop and mail room. A large portion of the building's lower level is dedicated to mechanical space which serves Colston Hall. The building contains one of the only real loading docks on campus. Community Hall is well suited for assembly/exhibition or lounge space.

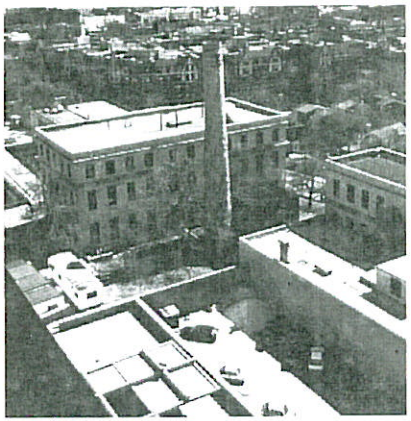
Loew Annex:

This one-story structure was constructed behind Alumni Gym in 1920. The building appears to have been constructed as a storage facility and is used today for classrooms and storage. It is an unattractive facility, poorly sited and in very poor condition.

Gould Memorial Library:

This building was built to serve as NYU's library and main assembly space in 1898. The library portion consists of six levels of small seminar and stack space which encircle a 70' diameter rotunda used as a reading room. The lower level of the building contains a 650 seat auditorium which is still in use today. The balcony is currently unusable due to acoustical and mechanical obstructions but this is scheduled for renovation. The College currently uses the rotunda for parties and receptions on an infrequent basis. The upper levels of the stacks have been abandoned for over 20 years. There are some inherent code issues in terms of egress, ceiling height and construction classification which hinder reuse of the stacks in their current configuration. The building's exterior and interior was designated a National Historic Landmark in 1966. It is truly a treasure and major asset to the campus and the entire CUNY system. At its present utilization and

left: existing smokestack between Bliss and Guggenheim Halls
right: entrance to Guggenheim Hall from the north



condition however, Gould Memorial Library has become a financial liability in terms of dollars needed for repair. The large quantities of unusable area also serve to artificially inflate the College's space inventory. Major funding is required to maintain the building's exterior skin, repair water damage and restore the building's interior. These dollars are difficult to substantiate at the present utilization so the need for repairs continually escalates.

Gould Residence:

This dormitory was designed by Mc Kim Mead and White in 1896. It is a stately five story structure which defines the east edge of the campus along University Avenue. The building is configured as a double loaded corridor with masonry bearing wall supports. The building provides a mix of small and large room sizes but some corridor widths are not adequate for educational occupancy. Gould Residence is fairly well suited to its current occupancy of sponsored programs. Its proximity to the University Avenue Gate is advantageous for these programs as they serve people unfamiliar with the campus.

Gould Student Center and Annex:

This facility was constructed in 1954 as a student center. The building is undersized, poorly designed and not configured to meet the needs of a community college population. Its interiors are in poor condition and it lacks adequate lounges and meeting space for clubs. The building contains the Hall of Fame Playhouse, a 354 seat theater which requires major rehabilitation and lacks necessary support facilities. The annex at the south end of the building provides some of the best classroom space on campus but is not available for College use. It currently houses the Family College, a sponsored program providing preschool and primary education for the children of students. Despite the physical limitations of the facilities, the building's location at the heart of the campus is appropriate for a student center.

Gould Technology:

This 5 story facility was constructed in 1959 as lab space for engineering disciplines. It currently serves as instructional space for nursing, math, physics, and electrical technology. The building's configuration of labs on one side of a double loaded corridor and offices on the opposite side is fairly well suited to its current function.

Guggenheim Hall:

This three story structure was constructed as the aviation building in 1926. It is inefficiently configured with a single loaded corridor on the

upper levels and has numerous inherent functional and egress issues. The building currently pairs two unlikely candidates as neighbors, the music department and the autotech department. The front of the building is oddly sited away from the rest of the campus facing West 180th Street.

Hall of Fame:

The Hall of Fame is the outdoor promenade which encircles Gould Memorial Library and links Language and Philosophy Halls. Many people are surprised to find that there is actually usable space beneath the Hall of Fame A double height, semicircular space with a mezzanine originally served as a museum for NYU. It later served as classroom space but was abandoned by the College due to its poor condition. The space is accessible through large exterior arches as well as from the auditorium level of Gould Memorial Library.

Havemeyer Hall and Annex:

Havemeyer Hall is a small McKim Mead and White building that is appropriately configured for classroom space. The building is currently not available for academic use as it houses sponsored programs. The annex is a partially below grade one story addition constructed as a temporary facility in the 1920's. It provides poor quality space which is primarily used for academic purposes. The Annex is an unsightly addition that is inappropriate for its prime location on the main quadrangle.

Language Hall:

This National Historic Landmark structure is adjacent to Gould Memorial Library. Although small, the building provides good quality space which can be adapted for many uses including instruction. It currently houses the President's office and the Dean of Academic Affairs.

The Hall of Fame

Loew Hall:

This structure is a former five story dormitory hall built in 1954. It is configured as a double loaded corridor and has a small and inflexible column grid which is poorly suited to its primary occupant, Student Services. The building accommodates the Dean of Students, Admissions Office, and counseling as well as offices for Central Services and some classrooms. The building is isolated from other student services in Colston Hall, and its condition and arrangement present a discouraging image to incoming freshmen.

McCracken Hall:

This building is the former residence of the NYU chancellor, constructed in the late 1800's. Its plan is arranged around a central hall and stairs. The building is not suitable for use as an educational occupancy due to its combustible construction classification. Mc Cracken Hall currently accommodates sponsored programs.

Meister Hall (formerly Technology II):

This ten story structure designed by Marcel Breuer in 1967 was constructed as an instructional building for the sciences. Its plan is configured as two parallel wings linked by an elevator core. The north wing contains classrooms served by a double loaded corridor and the south wing is arranged around a double loaded corridor with faculty offices on the north side and labs on the south. Behind the labs is a large continuous chase for pipes and services. The instructional portions of the building are used as classrooms and labs by the Science and Math Division. The underground levels of this building house the campus library and the Crosswalks public access television studios.

New Hall:

This building, constructed in 1966, provides office and shop space for Central Services. On its two upper levels it houses some of the larger classrooms on campus. New Hall's location on the southern edge of the campus is appropriate for Central Services but somewhat fragmented from the rest of the campus for academic programs.

Nichols Hall:

Nichols Hall is one of the three largest buildings on campus. It is well situated along the main campus spine and its structural bay size and fenestration make it one of the best classroom buildings on campus. The building is not available for College use. It is primarily home to the University Heights High School, some of the Automotive Tech Program, and also contains a fair amount of space vacated due to its poor condition.

Philosophy Hall:

This structure is similar in size, appearance and configuration to Language Hall. It is currently utilized for instructional and administrative use.

Sage Hall and Annex:

Sage Hall is one of the older academic buildings on campus dating back to 1920. It has been converted from laboratories and classrooms to its current use as a learning center with classrooms, tutoring rooms, computer labs, offices and an audio-video library. The Annex was constructed as an addition to Sage Hall in 1961 but is actually an integral part of Meister Hall and is linked to the existing library at both upper and lower levels.

Snow Hall:

This building is a 4 story former dormitory located on the north side of Hall of Fame Terrace. The

building is occupied by a sponsored program which serves as a tutoring, counseling, and employment center for the community.

South Hall:

This structure is a former single family residence constructed in the mid to late 1800s. Its configuration and construction classification render the building unsuitable for academic use. It presently houses the Dean of Administration and related offices.

Systems Science:

This small, shed-like structure on the southeast side is in very poor condition. It is presently vacant and last used as a storage facility.

Building Conditions Analysis

The planning team conducted a very detailed assessment of the physical condition of all buildings on the Bronx Community College Campus. This analysis included documenting and assessing the status of existing building systems, identifying deficient conditions which adversely affect the utilization of the facilities, determining the probable causes for these conditions, establishing and prioritizing corrective measures, and planning short and long term capital expenditures.

Over $50 million is required over the next five years to correct existing deficiencies in all buildings and on the site for the facility's current utilization. The long term costs required to replace systems on campus which will outlive their useful life over the next thirty years is almost $28 million in 1996 dollars. A comprehensive report had been prepared for each building and for the site, detailing the findings of the assessment, and in addition the data had been compiled in a relational data base.

The average age of the buildings on the campus is over 70 years old. Years of deferred maintenance have taken their toll on the facilities. Some of the most prevalent deficiencies include:

-Lack of provisions to meet handicapped accessibility standards including ramps and elevators, appropriate door widths and clearances, signage, bathroom fixtures and configurations.

-Cracks in masonry walls and missing or loose mortar

-Spalling concrete on cast in place concrete wall surfaces and exposed beam edges

-Deteriorated roofing,

-Severe corrosion of pipes and valves and missing pipe insulation

-Insufficient lighting and outdated fixtures

-Water damaged plaster and interior finishes

-Lack of sprinklers in required areas

-Lack of appropriate air handling distribution systems, most buildings rely on window air conditioning units for cooling

-Deteriorated paving and walkways

-Corrosion of structural building elements

-Lack of Certificates of Occupancy for any buildings on campus

Existing Landscape

The initial plan for the campus included three new academic buildings located on one side of a large grass quadrangle. This quadrangle, together with the Ohio Athletic Field, represents the major open space features within the campus. The quadrangle contains several rows of mature deciduous trees which, combined with the spacious lawns, provide a formal and attractive setting for Gould Memorial Library, Language Hall, and Philosophy Hall that line the west side of the lawn areas. The Ohio Athletic field contains a running track that encloses a variety of recreation areas, including a soccer pitch and a baseball field. The track has recently been resurfaced.

Other important open space areas within the main campus, include the grassed knoll area at Flagpole Hill, located between Havemeyer and South Hall, and the wooded slope areas that surround much of the campus, particularly along Sedgewick Avenue and University Avenue. These planted areas, together with the more formal spaces noted earlier, give the campus a park-like quality despite the lack of maintenance of the perimeter areas and fences.

Major portions of the south side of campus are paved with asphalt and lack any landscape treatment. The paving is generally in poor condition and parked cars block pedestrian access and linkages, yielding a displeasing quality to the environment.

Existing Site Utilities

Water Supply and Fire Protection System

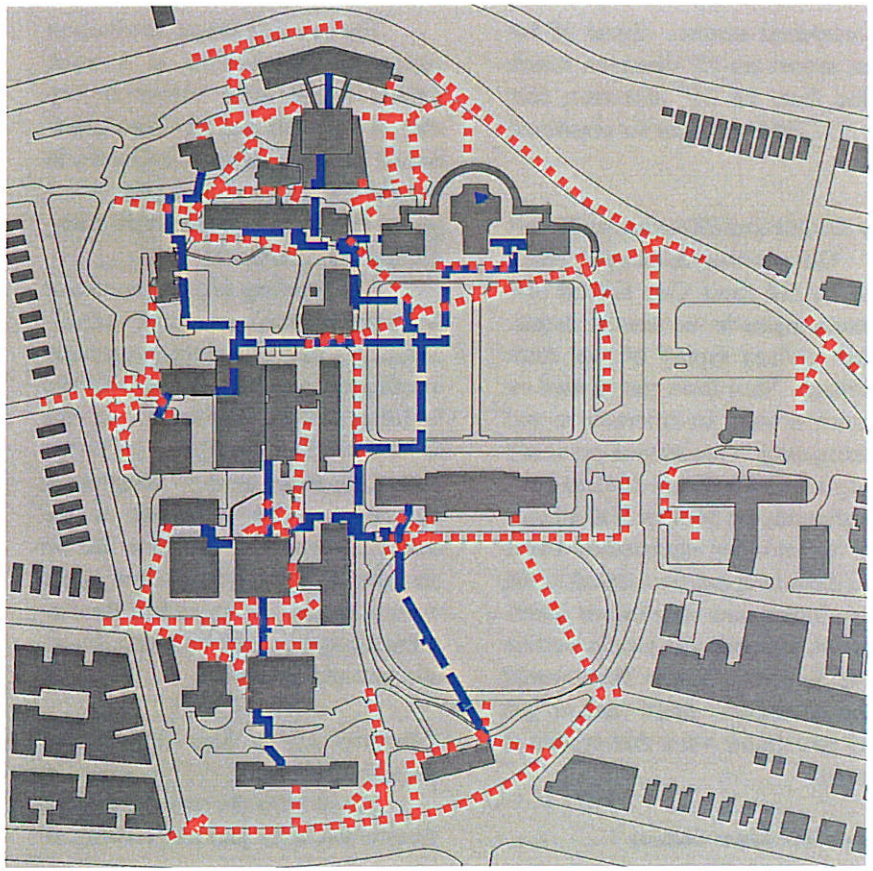
Water mains are typically six inches in size, and the campus is purportedly "looped", although on the 1974 utility plan this is not clear. The existing system of campus mains and hydrants are based on available record information and field inspection. There are no available records of the dates of the water main installations. However, campus mains appear to have been installed during the construction of the major buildings. This would mean ages dating from the decades of the 1890's, 1920's, 1950's and 1960's. The campus mains are fed from city mains from 3 streets: Hall of Fame Terrace, University Avenue, and 180th Street. Ten hydrants were located during the inspection, most are old and their placement did not cover some of the buildings. Community Hall does not have a city or private hydrant within 250 feet of its entrance. This violates NYC Building Code, which also requires that supply pipes to private hydrants be a minimum of 8" diameter.

There are significant elevation differentials across the campus, which is as much as 90 feet above the adjacent city streets. At connections to the city mains, pressures vary from about 50 to 70 psi. There are no booster pumps in the campus distribution system. Only three buildings have standby fire pumps. In summer when street hydrants are frequently left on, the pressure on campus drops dramatically. During some hot weather periods, campus facilities engineers have found no water pressure in the Meister Hall Building above the second floor. In 1992, four water main breaks occurred on campus; one at the Hall of Fame building, one between Sage and Guggenheim, one between Sage and 180th Street and one between Butler and Havemeyer. When the main near Sage was repaired, a section of the old pipe was found to be reduced in effective diameter from 6" to approx-

site utilities

Storm/Sanitary

High Temperature Hot Water

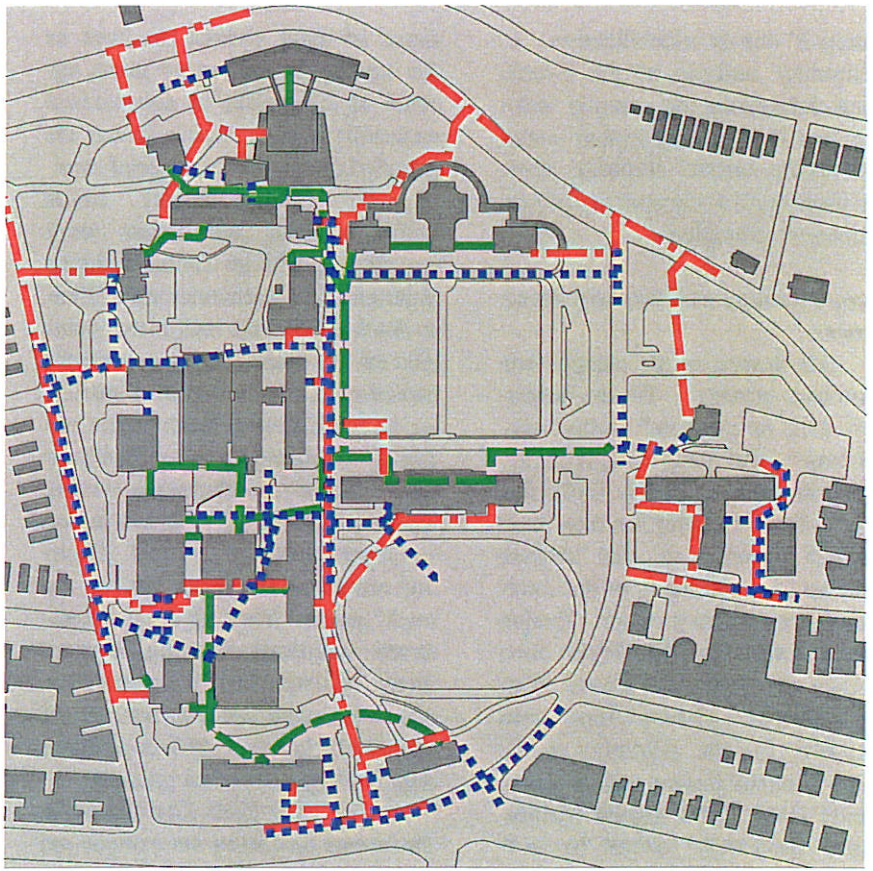


site utilities

Water

Gas

Electric



imately 2" due to mineralization. A preliminary analysis of the 6-inch mains throughout the campus indicates that the existing system could not sustain normal domestic flow and meet fire flow demand at campus hydrants or standpipes.

Storm Drainage and Sanitary Waste Systems

All sewers on the campus are combined sewers. These sewers were built or extended during construction of the main campus buildings in the 1890's, 1920's, 1950's and 1960's. Most building sanitary lines connect directly to the nearest drainage line, and many of the catch basins emit sanitary odors. Drains near the track at Ohio Field have become clogged with grease from the cafeteria. Grease traps were installed for the cafeterias at the Gould Student Center and at Community Hall. With regular maintenance, these traps reduce the incidence of more serious blockage in the mains. Several sewer inlets are made up of broken or nonstandard makeshift grates. Some basins are completely clogged or covered over.

In 1990, several storm drainage lines and inlets were replaced as part of capital projects. Sinkholes and settlement are evident at Havemeyer Hall and at the south end of the track. During a recent installation of a rubberized surface on the track, several catch basins and two sewer cleanouts were filled in or covered over. A collapsed sewer line recently had to be replaced in the southwest corner of the mall. Ponding occurs at the south end of the track and in front of Gould Residence, frequently flooding its basement. Colston Hall does not have drainage inlets nearby, but runoff apparently is not a serious problem due to adequate surface grading.

The New York City sewers in the streets bordering the campus are all combined sewers. Some of the street sewers are 12" diameter, which is less than the 15" minimum size that NYCDEP requires for combined sewers.

Gas Service and Distribution System

Gas services to campus buildings are fed from Con Edison low pressure mains in the nearest streets. Some services supply two or more buildings. Very little gas is used on campus, mostly for laboratories and cooking only. Gas service presently is required at the Gould Student Center cafeteria, the Meister Hall laboratory, and at other laboratories which have been temporarily located in the Sage, Butler and Havemeyer buildings. A separate gas supply service to the Selective Energy Plant would allow alternative diesel fuel or gas fired generators when that system is restored.

Steam/Hot Water System

The existing steam distribution piping system, housed in a brick walled tunnel with bluestone top slab, is very old and has been abandoned in place. Recent collapses in the old tunnel have prompted emergency measures to expose and backfill the old tunnel.

The existing high temperature hot water system consists of individual supply and return pipes and connecting manholes extending between buildings with the source at the Selective Energy Plant building. Pipe sizes range from 8" diameter at the plant to 1½" diameter at the extreme ends of the system. In the summer of 1994, construction plans were prepared for upgrading the distribution system and replacing several pipes and manholes.

Communication, Fire Alarm and Security Systems

Until 1985 the communication system was a 70-year old network of

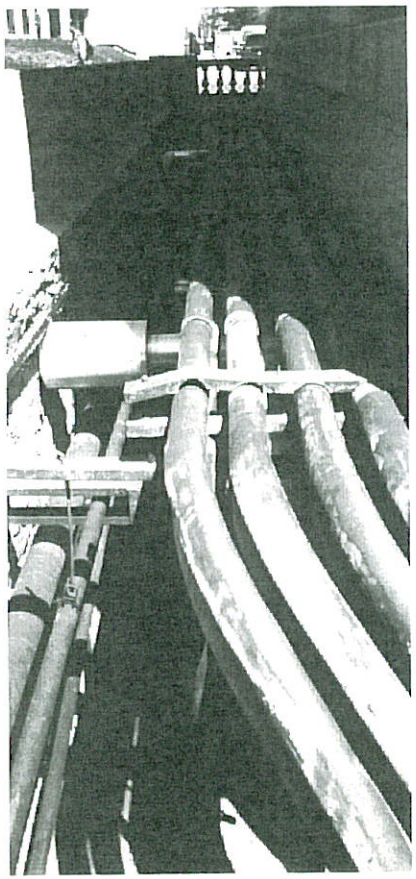
underground telephone cables. Because of the age of the cables, the existing telecommunications system experienced frequent failures.

In 1985, a conduit system for communications was installed between buildings. The conduits are intended for telecommunications as well as electric power supply, each with their own manholes. The telecommunications ducts range from one to eight 4" ducts in each concrete encased duct bank. The cables for a fire alarm system were installed in this conduit system. The fire alarm system is tested twice a year and no problems have been found. Presently, there are no computer interconnections throughout the campus. A capital improvement of the telecommunications system was completed in the summer of 1994. A digital telecommunication system was installed utilizing the conduit system installed in 1985. This will make possible computer interconnections and upgrade the telephone system.

Electrical Service

The existing electrical system includes conduits for both low voltage (460 volts) and high voltage (4,160 volts) services in the same duct banks as the communication system. The supply for the duct banks originates in the Selective Energy building. At present, many buildings are fed by independent Con Ed services from the nearest streets.

left: *existing campus smokestack*
right: *utilities running outside Nichols Hall*



INITIAL CONCEPT STUDIES

During the planning process the design team developed several alternative concepts and different directions for consideration. These alternatives included different thoughts on where College programs could be housed and where new structures could be located. The following is a brief discussion of some of the key options studied.

Student Center

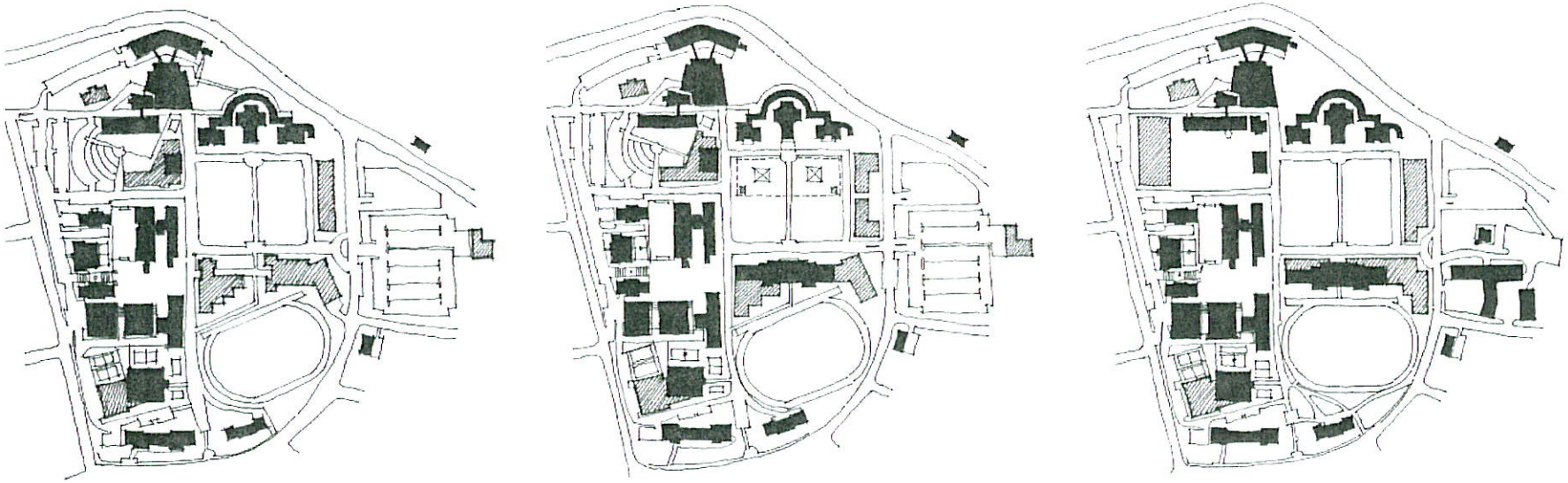
Different strategies were considered for the Gould Student Center and the surrounding site area. The original McKim Mead and White plan for this portion of the quadrangle showed two buildings arranged on either side of an axis radiating from Gould Memorial Library and visually connecting the campus' two largest formal open spaces. When built, Gould Student Center blocked this axial relationship.

In scheme A, the team studied the demolition of the existing building and the creation of two new buildings on the site similar to the original campus master plan. In order to accomplish this idea, the design team contemplated rebuilding the running track at a different orientation in order to gain larger building sites for a new library and a new classroom building. This orientation would be axial to the secondary open space area created by Loew Hall and proposed additions to the existing Alumni Gymnasium. This scheme is predicated on the demolition of the student center (and the building of a new student center elsewhere on site) which was not felt to be a prudent scenario.

Flagpole Hill

Flagpole Hill is the open space currently defined by Gould Tech, Sage Hall, South Hall, Havemeyer Hall, and Meister Hall. This area is an important historic site on campus which is currently ill-defined and not well linked to the rest of the campus. The planning team considered several options for this site. One was to build a new large addition to Havemeyer Hall to create a new student center (under this scenario, scheme B, the existing Gould Student Center with additions could be used as a classroom building or, as previously discussed in Scheme A, the existing Student Center Building could be demolished to make room for two new buildings). Like the existing Student Center, the new student center would have access to the main quadrangle, as well as the pedestrian spine. In scheme C, the team considered options for the Flagpole Hill site including building either a new library or new classroom building on the south edge of the historic hill. This concept also improves the definition of this important open space and preserves both Havemeyer Hall and Sage Hall for continued use by the College.

Concept Studies:
left: scheme A
middle: scheme B
right: scheme C



The Northern Edge

During the initial planning stages the design team investigated potential expansion of the campus to the north across University Avenue. It was determined that major development across the street in the short term would be disadvantageous and result in further fragmentation of the campus. It was also felt that the north edge of the campus quadrangle needed improved definition. The 1890's master plan for the campus located buildings along the south side of the street at the northern edge of the quadrangle, as well as a small complex of buildings across the street. It was therefore felt that buildings on the south side of the street, which would reinforce the open space and the intimacy of the campus, should be developed prior to expanding across University Avenue (schemes A,B, & C). It was understood that building along this edge would require relocating the campus roadway to between the row of exist-

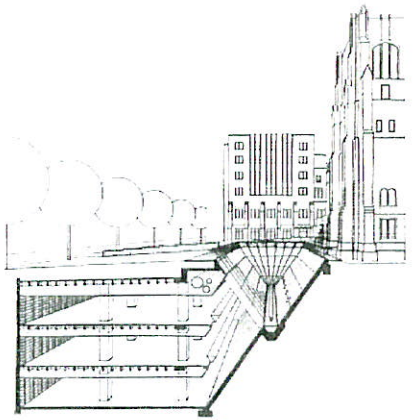
ing trees and that the new building would not conform to strict interpretations of current zoning regulations.

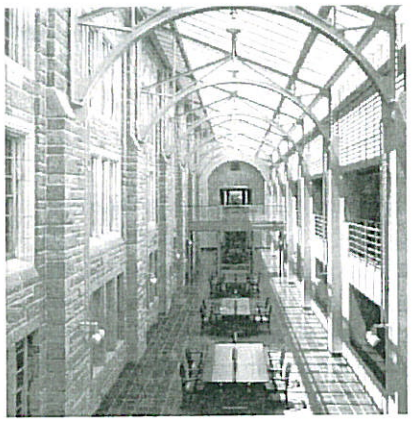
Across University Avenue is located the major student parking area for the College as well as McCracken Hall, an older residential structure, and the Patterson Training Center and ancillary garage, which is currently leased to United States Army Reserve. In the year 2003 this lease expires making this site area again available to the College. The planning team looked at re-planning this area of the campus. These studies included proposing the demolition of the existing buildings in this area and the building of new quarters for centralizing campus service functions and special programs such as automotive technologies (schemes A & B). The re-planning of this area also entailed planning for increasing the amount of student parking. It was determined more prudent to make the best use of the existing Patterson Training Center for these College functions when the space becomes available.

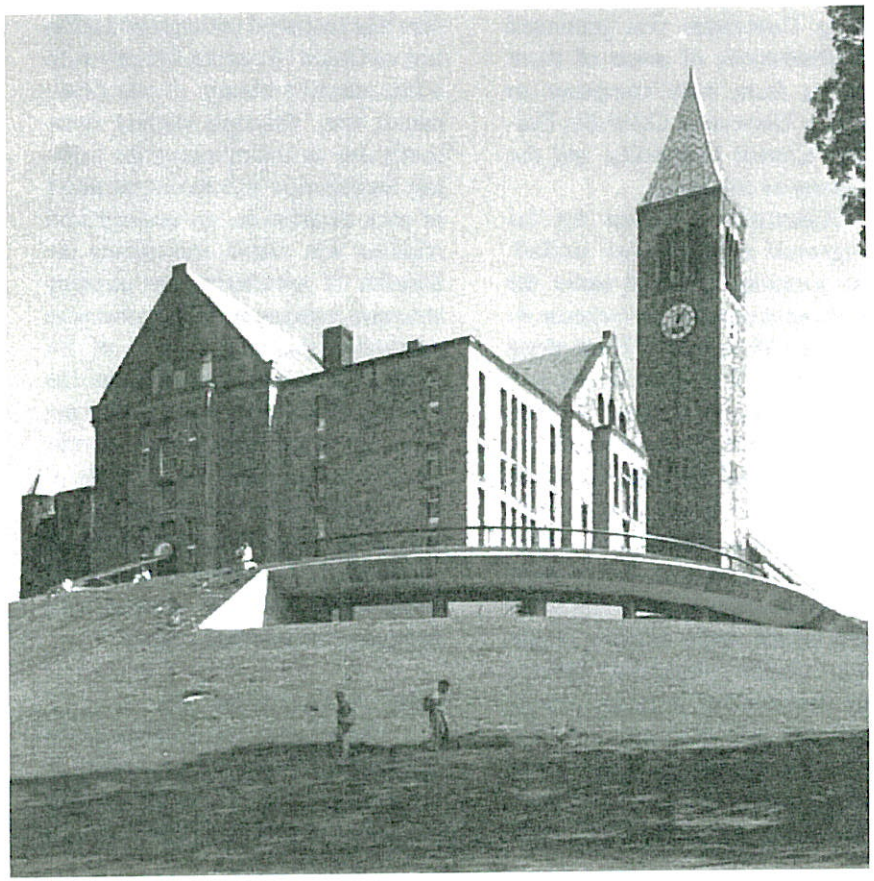
Library

One of the College's greatest needs is more and better library space located in a more accessible area of the campus. Currently the library is housed in the basement area of Meister Hall and the learning center is located in Sage Hall. The planning team studied numerous alternatives for a consolidated library/learning center including a new free-standing building where Gould Student Center is currently located (scheme A) and at the southern edge of Flagpole Hill at the southern edge of the campus (scheme C). It was ultimately determined that the most effective home for the College library would be the original library of the 1890's campus, Gould Memorial Library. This would entail significant renovations

top left: *University of Michigan's Law Library (Courtesy of Gunnar Birkerts and Associates)*
top right: *Columbia University's Avery Hall with underground addition*
bottom left: *Princeton's Firestone Library Expansion (Courtesy Koetter Kim & Associates, Architects)*
bottom right: *The Pusey Library at Harvard University (Courtesy The Stubbins Associates, Inc.)*

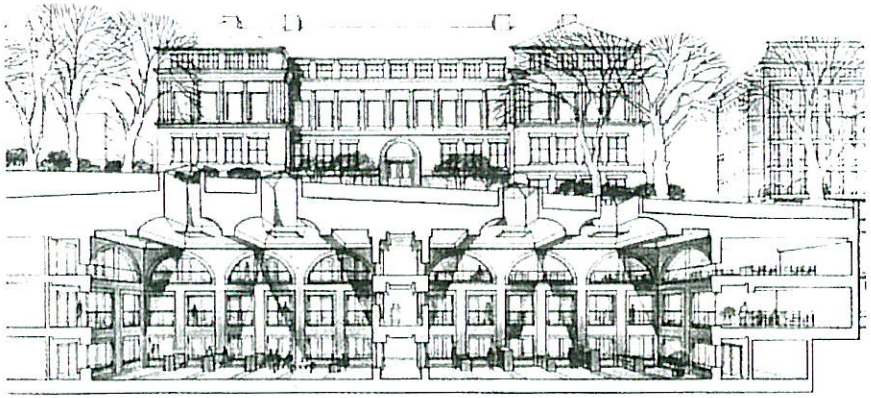






left: Cornell University's Uris Library (Courtesy Gunnar Birkerts and Associates)

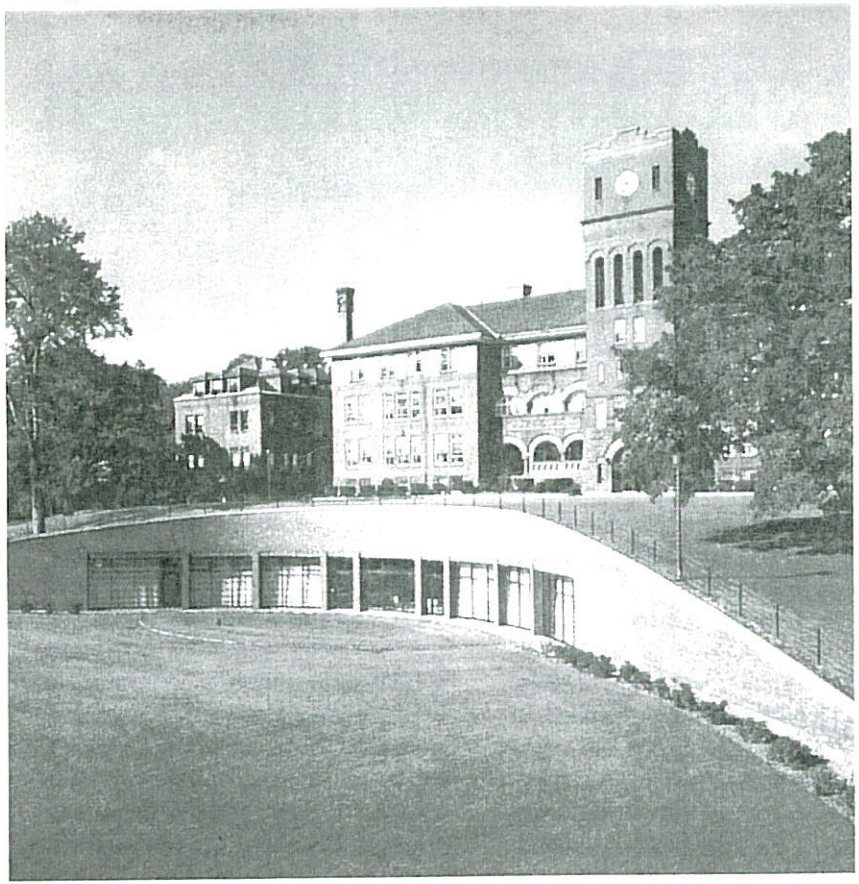
right: Cornell University's Carl A Kroch Library (Courtesy Shepley Bulfinch Richardson & Abbott)



to the existing landmark structure, which would be required in any event in order to fulfill deferred maintenance requirements. It is felt that the revitalization of the campus's most prominent edifice by housing one of the College's major shared resources would be beneficial in uniting the physical as well as programmatic focal point of the campus.

The existing Gould Memorial Library is not large enough to house the needs of the College and therefore an addition to this landmark structure would also be required. Any proposed addition to the Gould Memorial Library and Hall of Fame can not deter from the building's architectural qualities. Therefore, it was determined that an underground addition should be investigated by the team. Underground libraries and additions can be found on many college and university campuses and the

Fisher-Watkins Library/Learning Center at the Cushing Academy (Courtesy The Stubbins Associates, Inc.)



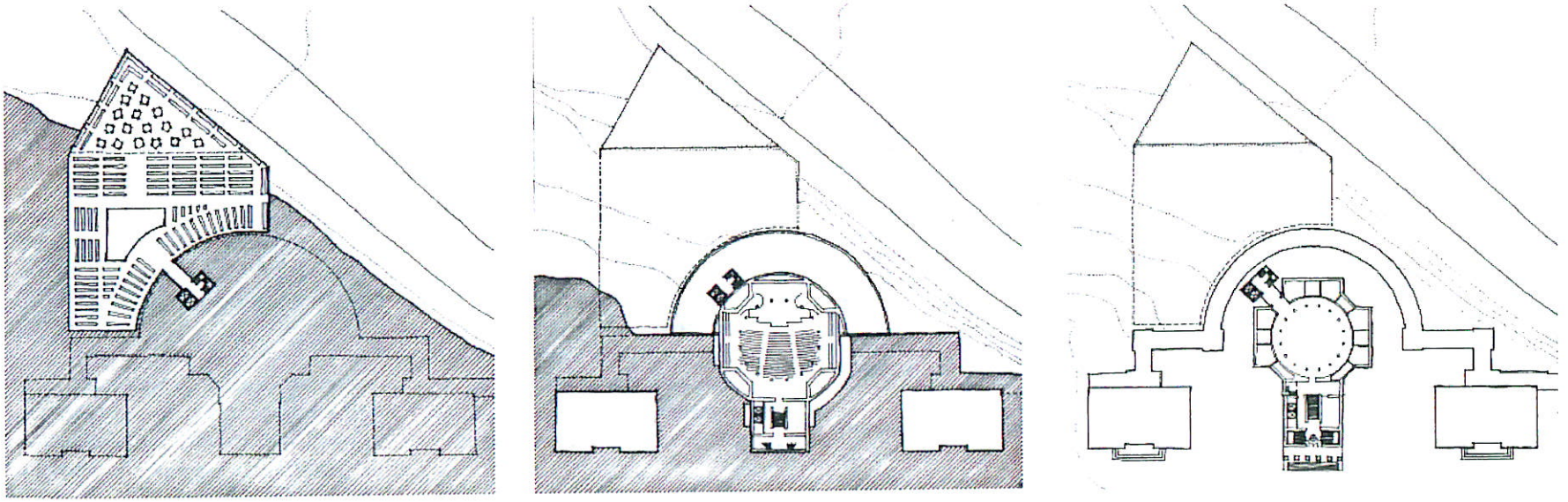
Steering Committee was presented with illustrations of some of these examples from such campuses as Princeton University, Columbia University, Cornell University, and the University of Michigan.

Alternative locations for the underground addition were studied. These locations included under the main campus quadrangle (scheme B) and to west of the Hall of Fame along the hillside. The hillside site was ultimately chosen because it made the best use of this otherwise unsuitable site area and this location caused less disturbance to the campus' valued open space. Conceptual studies of typical floor plans were developed to test the viability of maintaining the quality of the major existing spaces within Gould Memorial Library while maintaining separate, secure operational uses of library functions and public functions, such as the existing auditorium. A conceptual cost analysis was prepared to compare this proposed underground addition to Gould Memorial Library with a free standing library. It was determined that, although slightly more costly due to underpinning the existing foundations and more quantities of rock excavation, an underground addition was viable considering the benefits of revitalizing the existing structure, making use of an otherwise unsuitable site and in light of the need to refurbish and renovate the existing structures even if it was not used for library functions. It was also recognized that the benefits of this solution of an underground addition to the Gould Memorial Library outweigh the requirements of a more complicated approval process, and complex construction staging.

Other Portions of the Plan

Alternative approaches were also studied for the other portions of the campus. It was clear that the southern portion of the campus

Proposed Library Floor Plans
left: library addition level
middle: auditorium level
right: rotunda level



requires significant modification to improve the definition of open spaces and to link these secondary quadrangles to the major east-west pedestrian spine. These improvements include recommendations for consolidating parking, reopening the faculty/staff vehicular entrance to stop the need to transverse the campus from the north (which is in direct conflict with pedestrian circulation on campus), improving the open space in front of Loew as well as the previously mentioned improvements to Flagpole Hill, and the renovations to the basement of Meister Hall for Student Services with access from the main quadrangle and pedestrian spine. In addition, it was clear that the high school should be relocated from Nichols Hall to allow College use of this prominently located existing building for classroom space.

MASTER PLAN

Description of the Plan

The Master Plan Amendment consists of a series of recommended new construction, building additions, and renovations to existing campus facilities. The plan should be looked at as a framework and direction for enacting long-term physical changes. Purposefully, the plan is not overly restrictive, and allows for future changes and amendments to accommodate opportunities not currently known by the College or planning team.

Campus-wide improvements include the need to redefine the College's major quadrangle, to reinforce the major east-west pedestrian spine, and to improve the open spaces and circulation among the buildings on the south side of campus. The plan meets these goals by appropriately relocating functions, suggesting open space improvements, and proposing new structures and additions that through careful building massing work in scale with the existing historic campus.

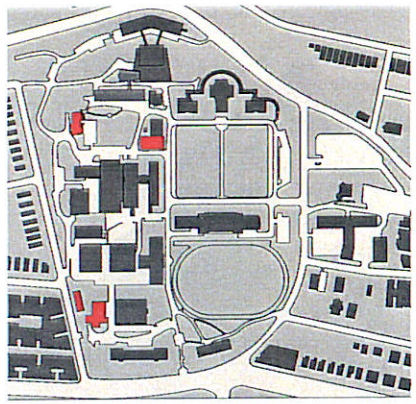
Demolition

The plan proposes that all of the existing buildings on campus be maintained except for: South Hall, Havemeyer Annex, Systems Science, and the Loew Annex. The structures that are being removed are generally in very poor condition and have limited potential for renovation for new use. In the case of South Hall, the building sits on one of the few remaining developable sites on campus for much needed academic space.

Renovation

It is proposed that almost all of the buildings on campus require some form of renovation. These projects range from extensive renovation as in the case of Gould Memorial Library, adaptations for proposed changes in use, the taking over of currently vacant space, or the upgrading of space to meet handicapped accessibility requirements. In addition to correcting interior deficiencies, when possible, the suggested renovations will work to make improved connections between outdoor campus spaces, such as in the case of the existing library in the basement of Meister Hall. Its proposed renovation for use as a consolidated Student Services Center would serve to link areas from the

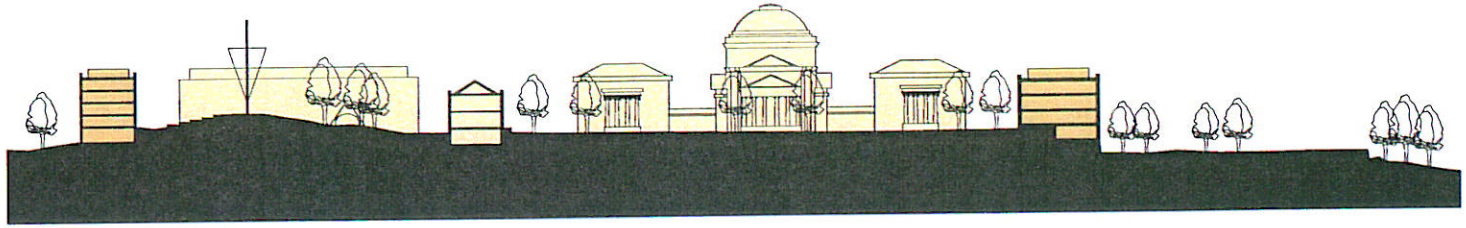
demolition plan



top: section A-A
bottom: New Master Plan

new construction

existing buildings



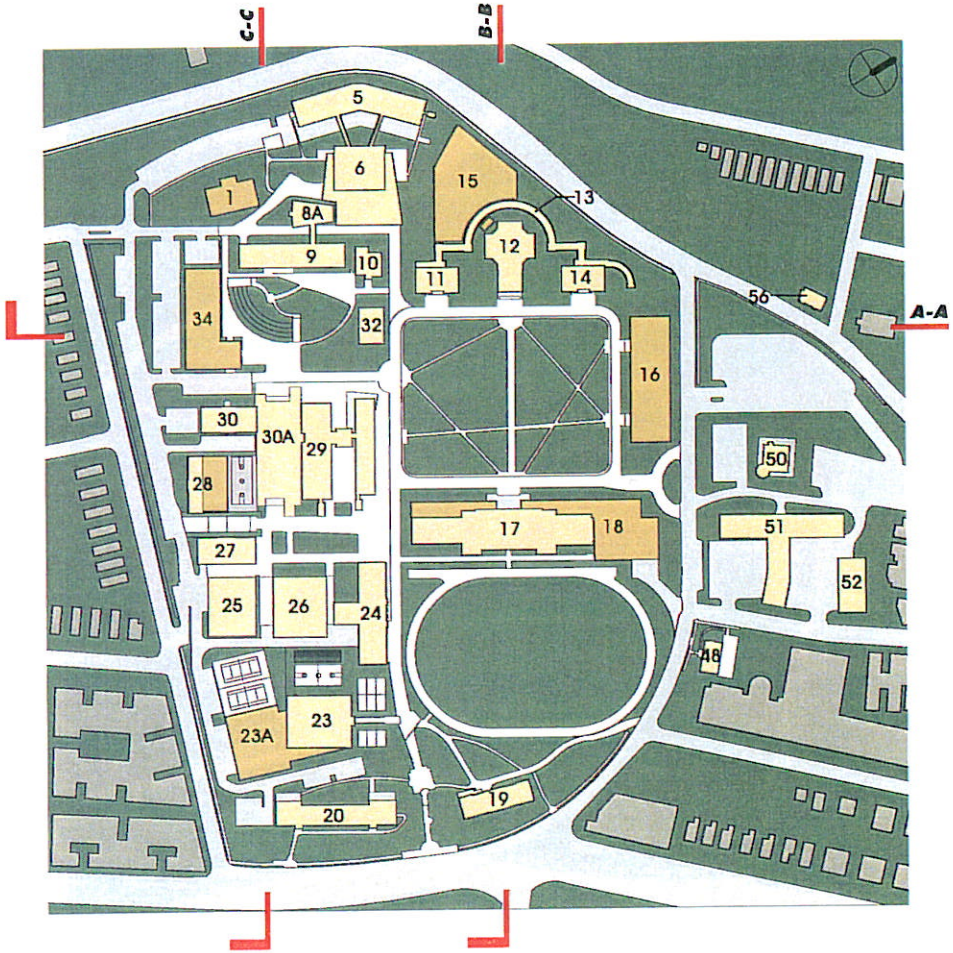
east and west to the main quadrangle.

Additions

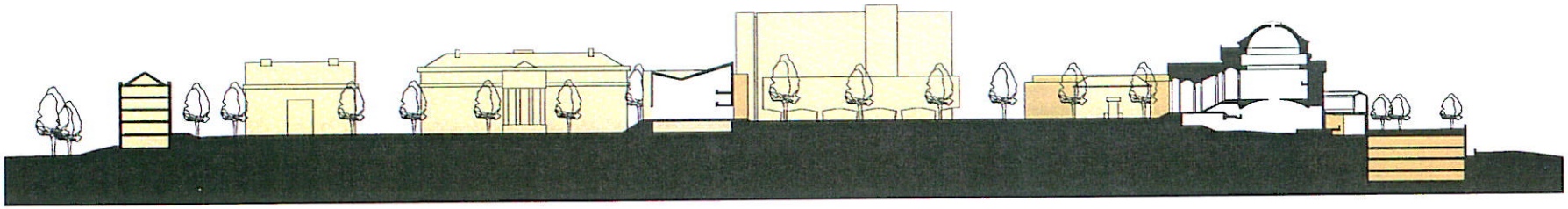
In several cases, existing needs are not being met by campus buildings which were deemed inappropriate for demolition. This occurs in the case of Gould Student Center and Alumni Gymnasium, as well as in the proposed relocation of the high school into Guggenheim Hall. These additions will also help to define outdoor spaces and pedestrian links to the rest of campus. The additions are massed to be in scale with the existing structures and surrounding areas of campus.

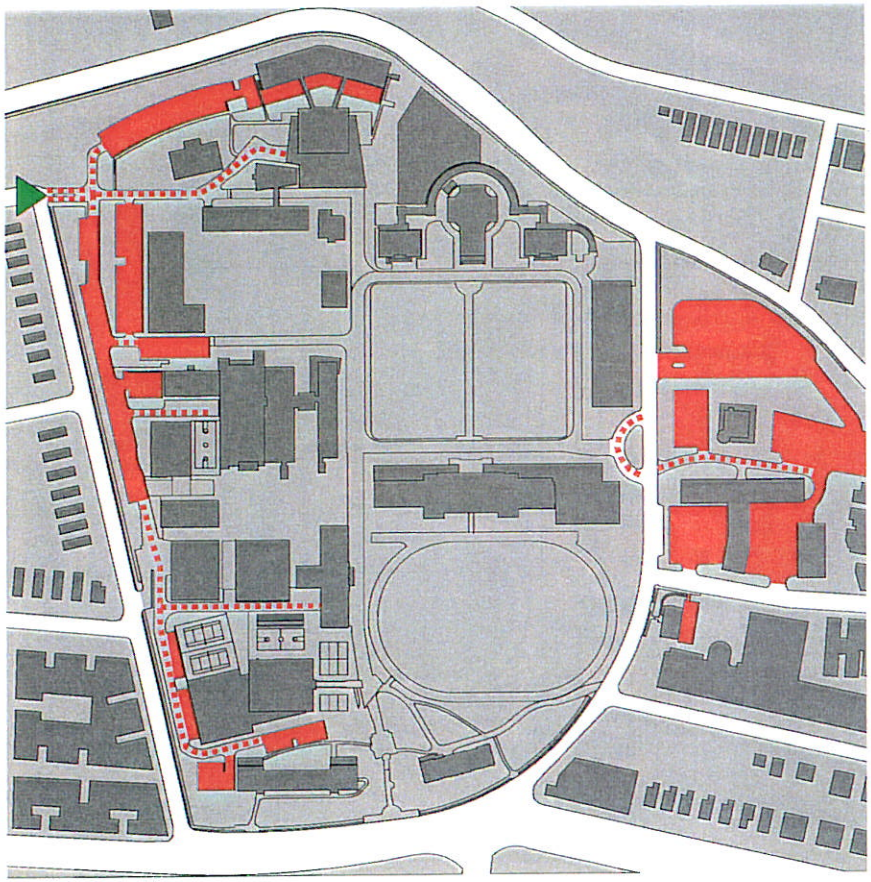
In order to provide an adequate home for the library and learning center, a major addition is proposed to Gould Memorial Library, which would return this historic structure to its original use and unobtrusively provide new space underground on the west side of the building, in an area of campus which would be oth-

1. Child Development Center
5. Colston Hall
6. Community Hall
8A. Begrisch Hall
9. Gould Technology
10. Butler Hall
11. Language Hall
12. Gould Memorial Library
13. Hall of Fame
14. Philosophy Hall
15. Library Addition
16. North Instructional Building
17. Gould Student Center
18. Gould Student Center Addition
19. Gould Residence
20. Loew Hall
23. Alumni Gymnasium
23A. Alumni Gymnasium Addition
24. Nichols Hall
25. New Hall
26. Energy Plant
27. Bliss Hall
28. Guggenheim Hall
29. Meister Hall (formerly Technology II)
30. Sage Hall
30A. Sage Annex
32. Havemeyer Hall
34. South Instructional Building
48. Snow Hall
50. McCracken Hall
51. Patterson Training Center
52. Patterson Garage
56. Altschul House



top: section B-B
bottom: proposed vehicular circulation and parking diagram





erwise unusable.

New Construction

To keep pace with projected enrollment growth, the existing space on campus needs to be increased by approximately a quarter of a million net square feet. In order to meet this need, two new buildings are proposed, one located at the north side of the main quad, and one on the south side of campus, on the former site of South Hall. These new buildings will house much needed academic functions, such as lecture and instructional laboratory space for the college, as well as a small amount of student activity and exhibition space. Both buildings will define major campus open spaces in keeping with the original master plan by McKim Mead and White, and provide new building faces for the college along Hall of Fame Terrace and West 180th Street.

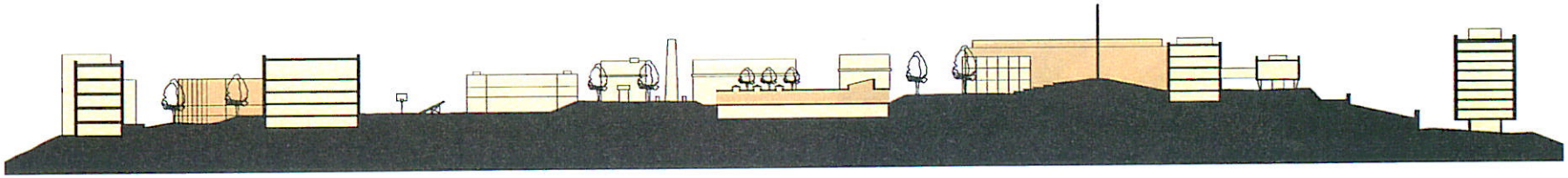
Vehicular Circulation

As one of the major problems on campus is the conflict between vehicular and pedestrian circulation, the Master Plan Amendment proposes to restrict vehicular traffic from entering the campus from the Hall of Fame Terrace Gate. This entry will be reconfigured with a new pedestrian drop-off to improve traffic flow in this area and direct students and visitors to the north campus parking lots.

The opening of the campus entrance at the south-west part of the site will serve a series of new and consolidated faculty and staff parking lots along the south perimeter of campus. This modification will accommodate a total of 340 parking spaces. The roads on campus will be maintained for limited access in the case of building service, special functions, or an emergency.

On the north side of campus, a total of 339 parking spaces will be

top: section C-C
bottom: proposed pedestrian circulation diagram

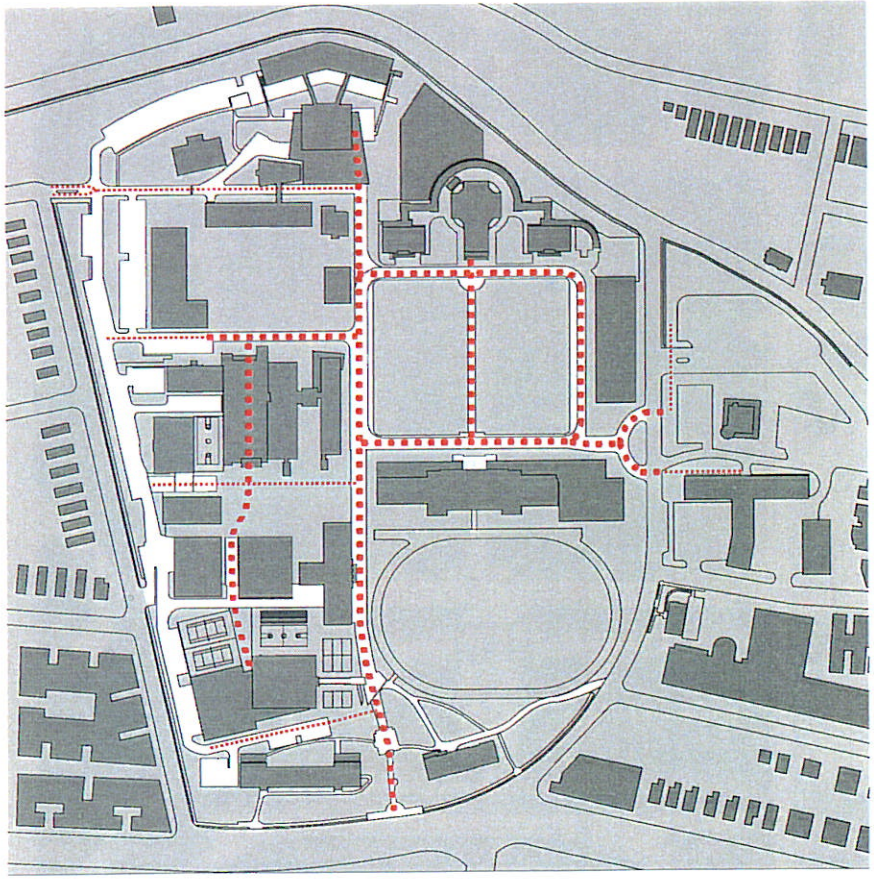


provided when the Patterson Training Center and Garage are made available to the campus in the year 2003.

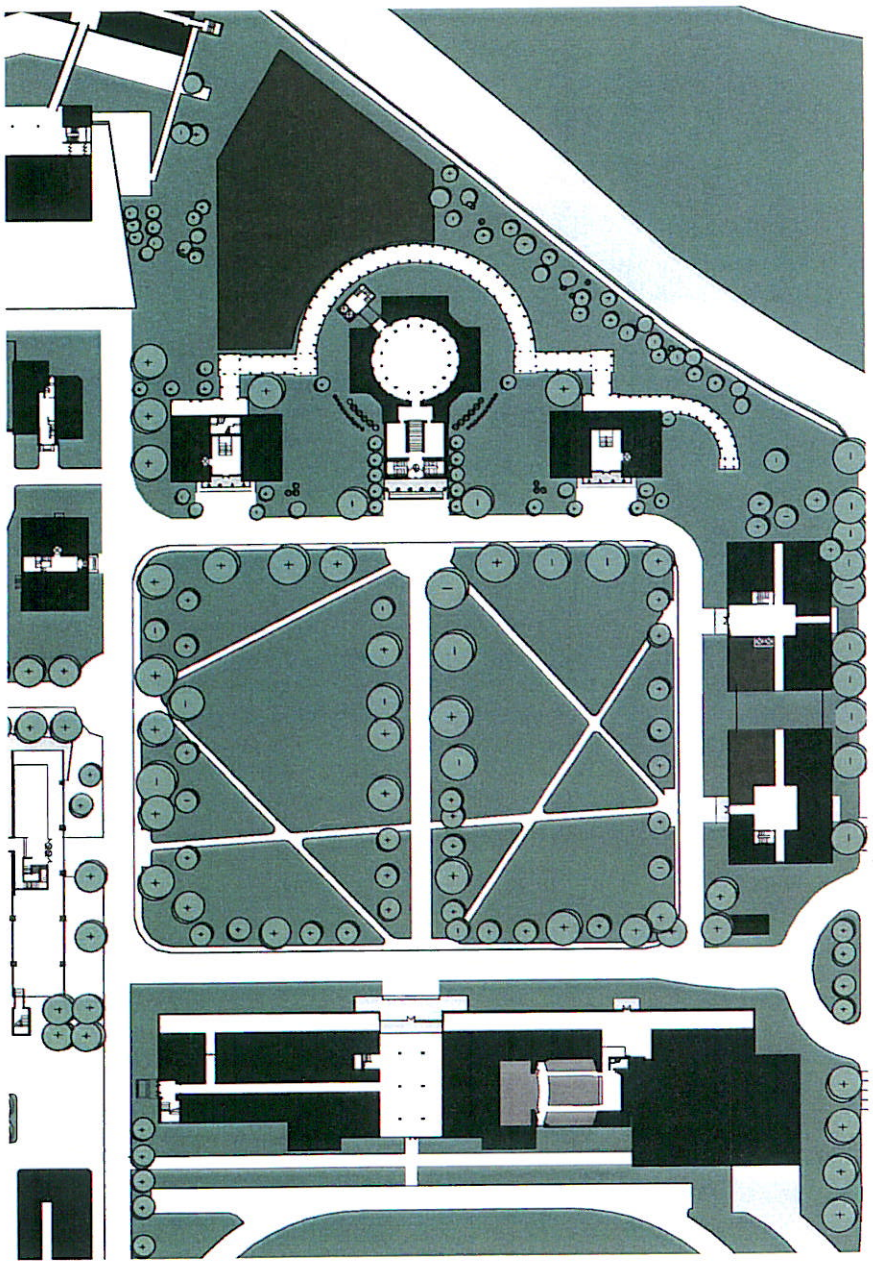
Pedestrian Circulation/Green Spaces

Once the central campus is cleared from the conflicts of parking and vehicular traffic, green spaces can be created from areas presently filled with cars. Along with the main quadrangle, several other major green spaces are proposed. One is located on the site of the historic Flagpole Hill, and is surrounded by academic buildings. Another occurs between Meister Hall and Nichols Hall, at the top of a suggested stair leading up from the south perimeter parking. Renovated and expanded athletic fields form the third major green space along the south side of campus, across the campus spine from the historic Ohio Field.

The primary pedestrian entrances to the campus will be from the Hall of Fame Terrace Gate, leading to the main quadrangle, and from the existing entrance from University Avenue. A secondary east-west axis is proposed through the south side of campus from Flagpole Hill down to the gymnasium, through the Student Services Center and across the new green space between Meister and Nichols Halls. This new link will establish a clear and pleasant way for students and faculty to navigate from building to building through what is presently a difficult part of campus. In addition, north-south links are established across these spaces from the south side perimeter parking.



The campus mall



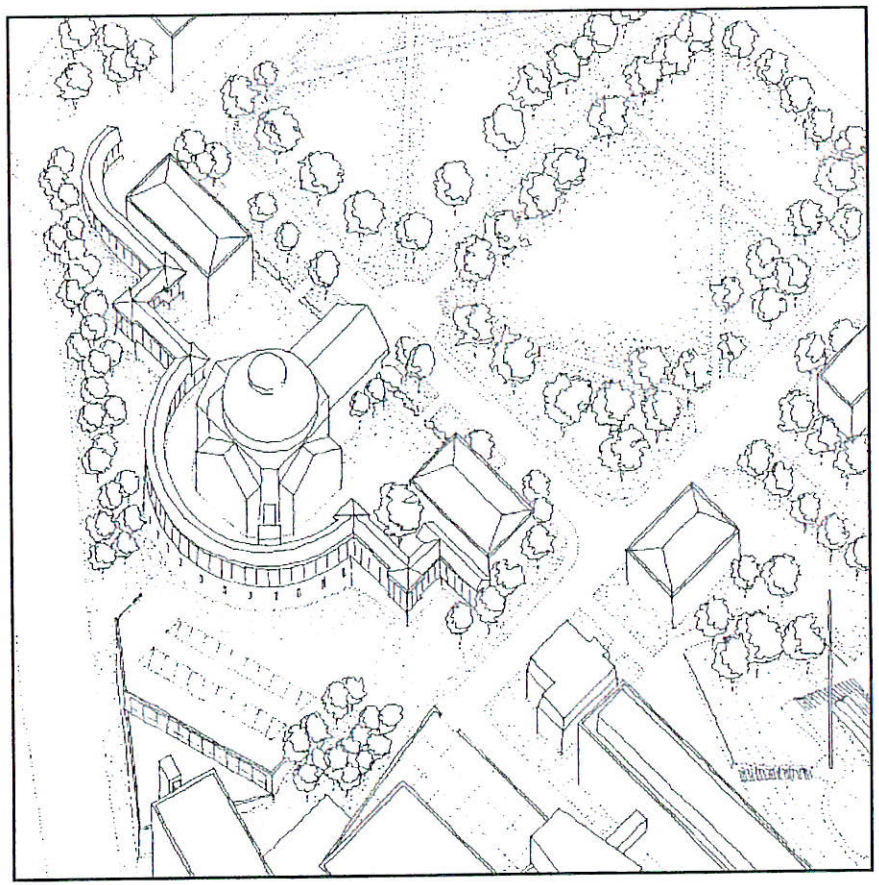
The Campus Quadrangle

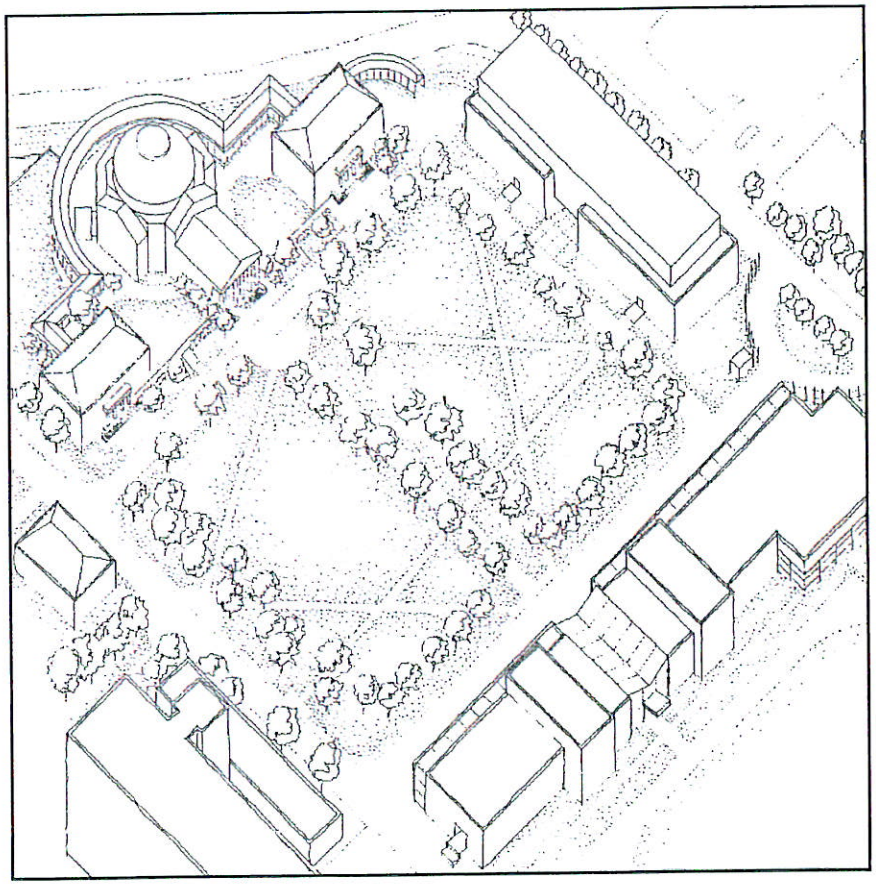
The main quadrangle is both the physical and symbolic heart of campus. Presently it is underutilized, as most students only need to access buildings from the east-west campus spine. The new Plan seeks to reactivate this important space by placing major program elements around it. A new academic building encloses the north side. It is massed in two blocks which are linked by an overhead bridge, reducing its scale to match the scale of the historic buildings. The quad will be reseeded, trees replanted, and pedestrian paths created to link building entrances. A new pedestrian drop-off will be created along the Hall of Fame Terrace.

Language and Philosophy Halls, which will house the College President and Deans, face the quadrangle, along with the expanded Gould Student Center and the new campus library/learning Center in Gould Memorial Library. This project will restore the Library's original program, and offers opportunities for a beautiful and inspiring library. The addition into the slope on the building's west side will provide needed area and the services needed in a modern library/learning center that offers views across the Harlem River.

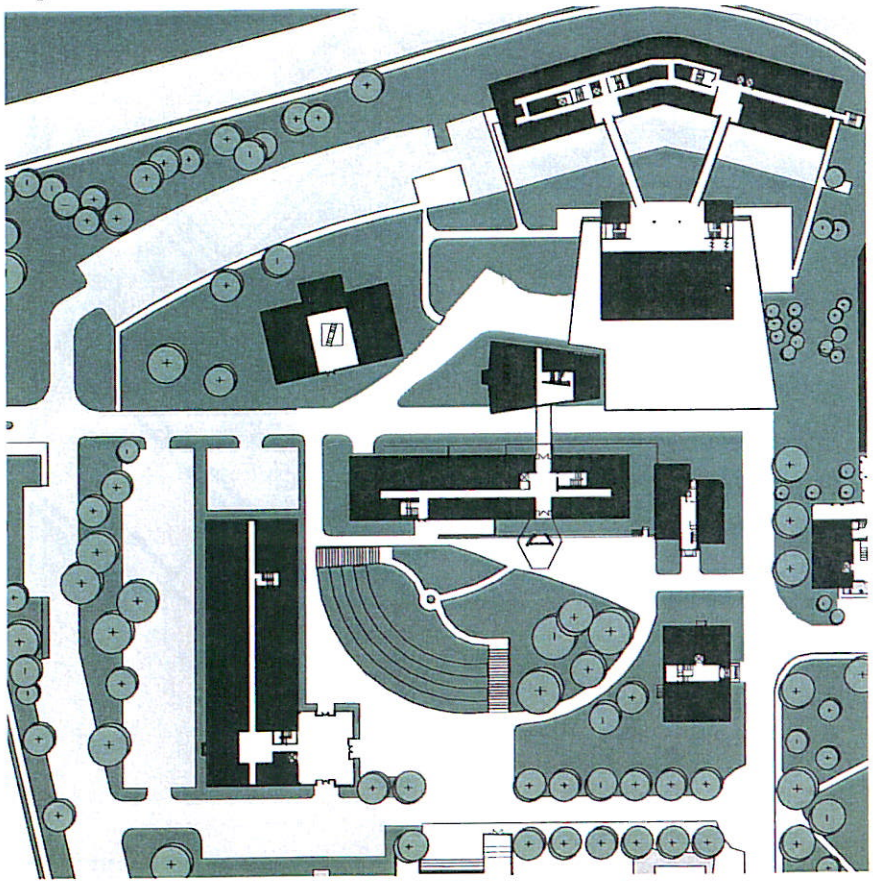
The addition and renovation of the Gould Student Center will modernize and add needed area to the building. The campus theater will be renovated, adding back-stage amenities and necessary support. On the north end of the building, a new, expanded cafeteria will overlook Ohio field. A new facade enclosing multi-story circulation space will front on the mall, and the center of the building will be opened with a glass-enclosed atrium space, allowing views through the building and symbolically linking the quad with Ohio Field, as was originally intended in the campus' original plan, over one hundred years ago.

left: axonometric of proposed library
right: axonometric of main quadrangle





Flagpole Hill



Flagpole Hill

Flagpole Hill is the historic Revolutionary War site of Fort Number Eight. The geographic highest point in the Bronx, the hill is the centerpiece of a proposed secondary quadrangle for the campus. With the demolition of Havemeyer Annex and South Hall and the construction of a five story instructional building, Flagpole Hill will be surrounded with academic buildings, including Gould Technology, Butler, and Havemeyer Halls.

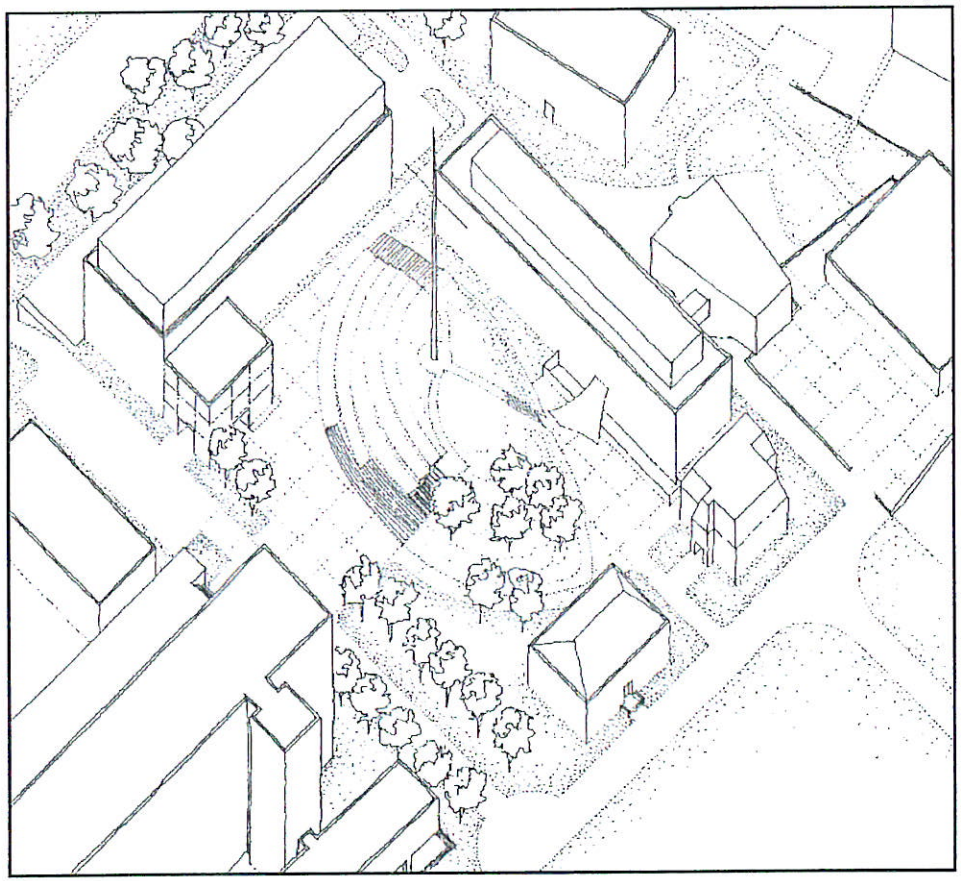
The hill will be terraced on its south side as a way to bring human scale to the form of the hill and to offer an open area for students to relax between classes. Stairs lead up to the war monument from three sides of the hill.

The new South Instructional Building is designed to be cohesive in scale with Gould Technology, and can be entered from both the Flagpole hill side as well as from the parking lot on the south. A multi-story glass entry pavilion faces the secondary quad, scaled similarly to Havemeyer Hall, and will be visible from the main quadrangle.

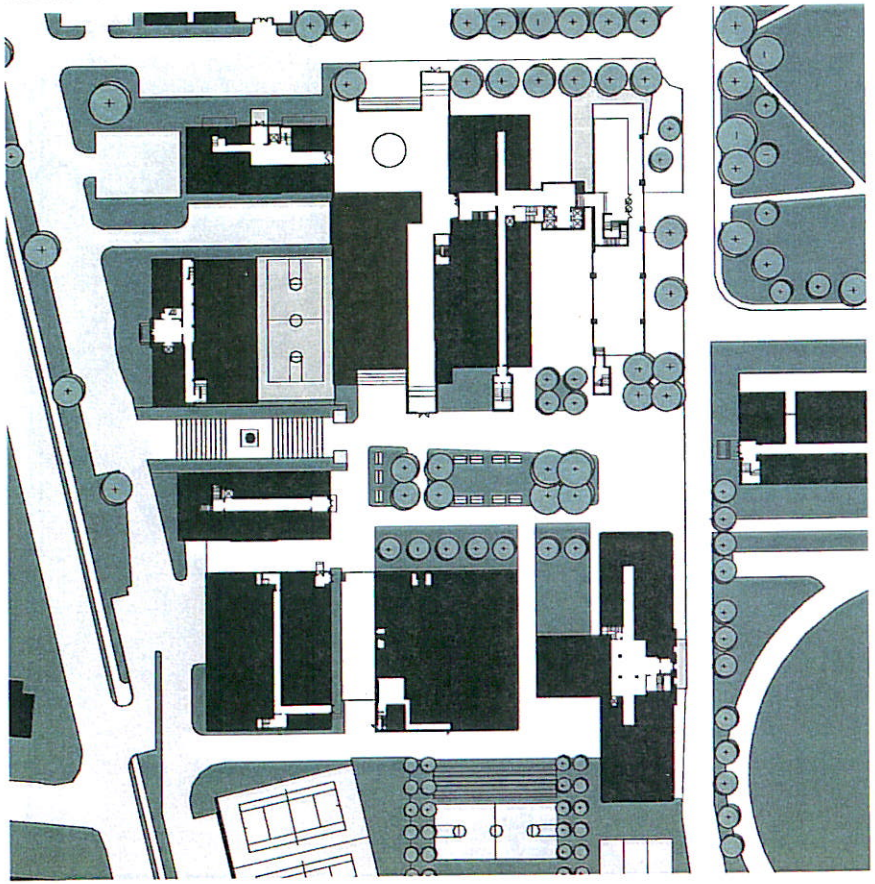
To the west, Colston and Community Halls will be renovated to accommodate program changes. Colston will house sponsored programs and faculty offices, functions that are appropriate to the scale of the building's spaces. Community Hall, the terminus of the campus spine, will serve as the major exhibition space for the campus. Its lower level will continue to contain the print/mail room and a large assembly space. A new two-story child-care center will be constructed west of Flagpole Hill.

It is proposed that the presently defunct campus entrance in this zone be reopened as primary service and staff/faculty vehicular entrance to the campus, which will link the new parking areas which occur along the edge of south campus.

axonometric of Flagpole Hill



Central zone



Central Zone

The Central Zone is presently characterized by a jumble of building forms, grade changes, parking lots, and unclear and inaccessible building entrances. The new plan proposes to ban traffic from this area and create a major green space. The landscaping of the central zone is seen as a continuation of the cobblestone paving around Meister Hall, with islands of planting, trees, and seating, on an intimate scale appropriate to the scale of the space.

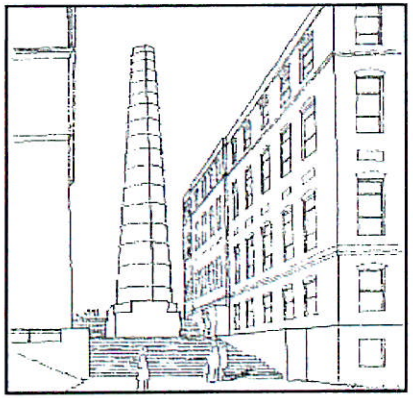
The space is surrounded by a variety of building types including academic buildings (Meister, Bliss, Nichols, and New Halls), the new Student Services Center (Sage and Sage Annex), Campus Services (New Hall and the Energy Plant), and finally, the University Heights High School, relocated in Guggenheim Hall.

The renovated Student Services Center is located in the space vacated by the existing library and learning center. It is an important element in the Master Plan Amendment, as it forms a critical link between the main quadrangle, Flagpole Hill, and the Central Zone. New entry pavilions will serve as an entrances to this skylit space from both the central zone and Flagpole Hill, and stairs will lead up to its landscaped terrace above from the east and west sides. The Center will also be accessible from the quadrangle through the pavilion lobby of Meister Hall.

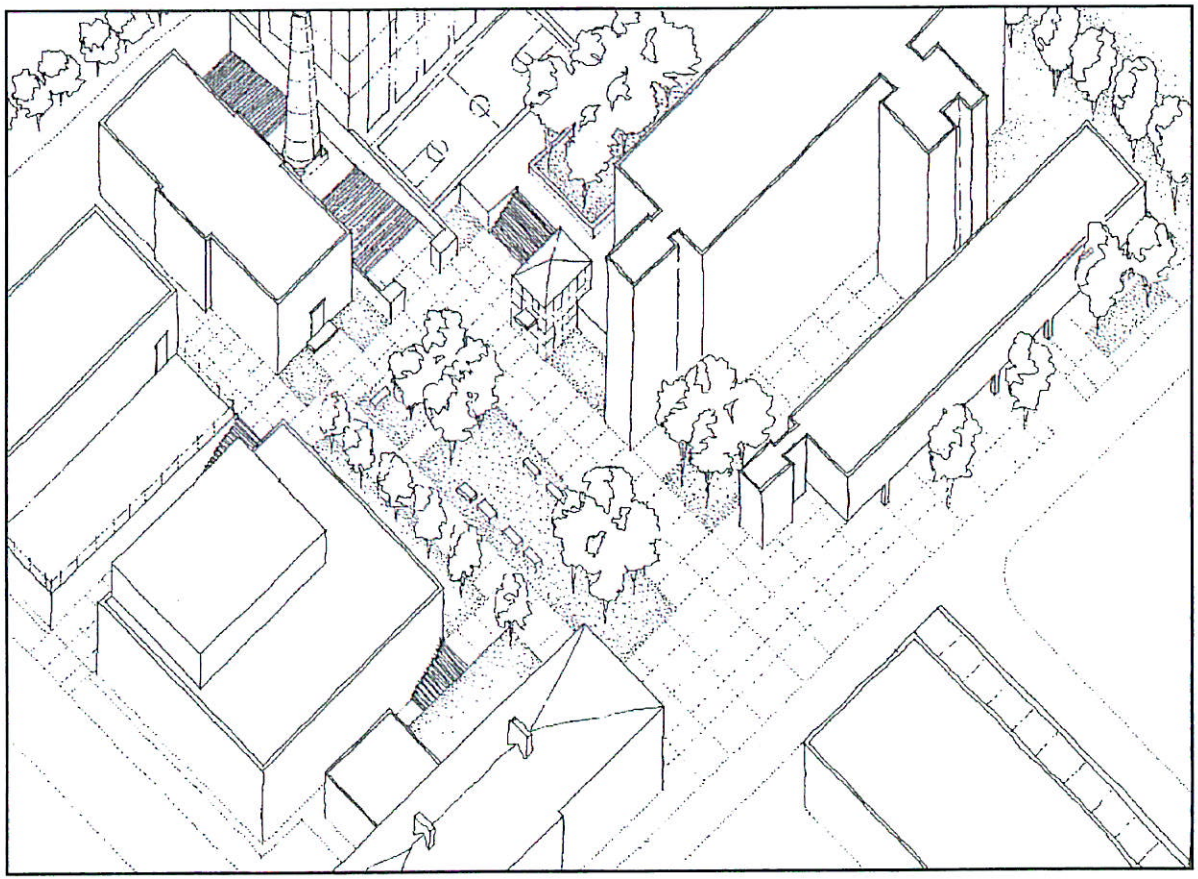
A monumental stair, surrounding the existing campus smokestack, will connect this green space to the south perimeter parking, and two other stairs flanking the Energy Plant connect this space to the athletic fields in the southeast zone.

In order to free Nichols Hall for college classrooms, the University Heights High School will be moved into Guggenheim Hall, with

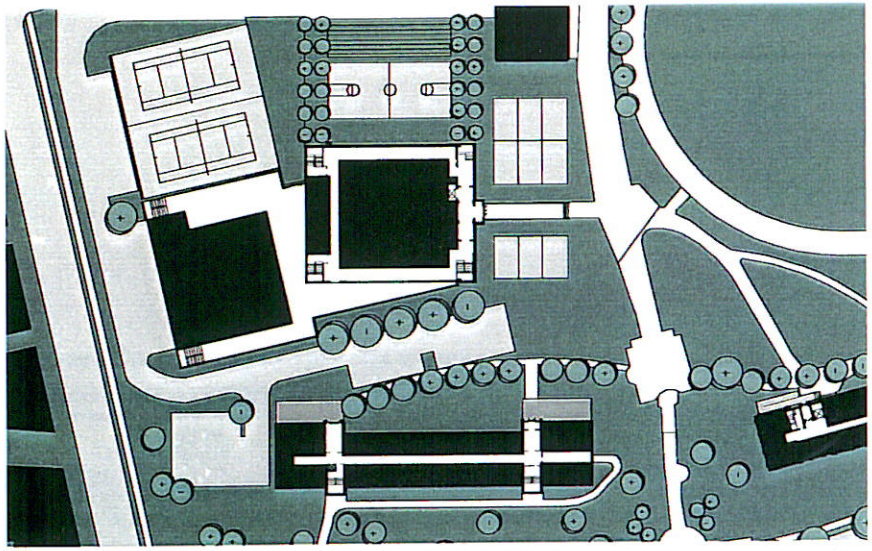
left: monumental stair surrounding existing smokestack
right: axonometric drawing of central zone

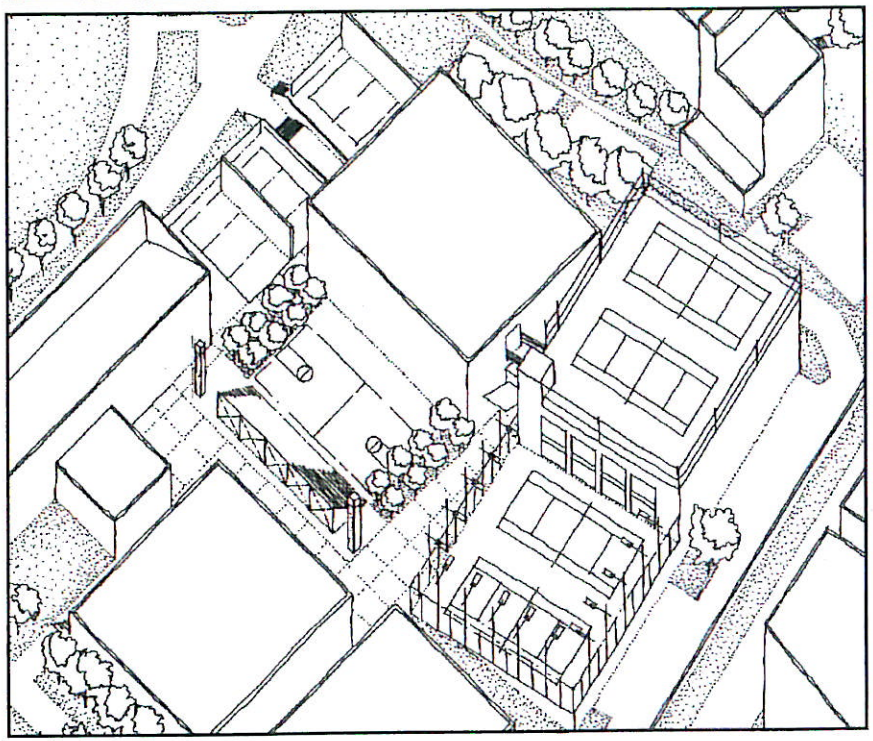


an approximately 7,000 square foot addition above the north side of the building. This will overlook a new basketball court for the high school.



top: southeast campus
bottom: axonometric of athletics area





Southeast Campus

The southeast area of campus encompasses the University Avenue pedestrian gate, which is the generation point of the east-west spine and the major student entrance to campus. The heart of this zone is Alumni Gymnasium and the outdoor physical education courts. The campus has a long history of athletics from its New York University days, and is one of the few campuses in the City University system to offer a running track and a generous area for field sports.

An addition to Alumni Gym is proposed to house physical education classrooms, as well as a new, modern gymnasium. The building mass is sited on the land currently occupied by the Loew Annex and the Systems Science buildings. It aligns with West 180th Street in order to create space along its west facade for athletic functions, including two tennis courts, a basketball court with bleachers, and 9 new handball courts. The roof of the Gym addition also offers opportunities for tennis courts. These areas will be served by the new south perimeter access road and parking areas. The space between the gym and Loew Hall will be landscaped and paved with a new parking lot.

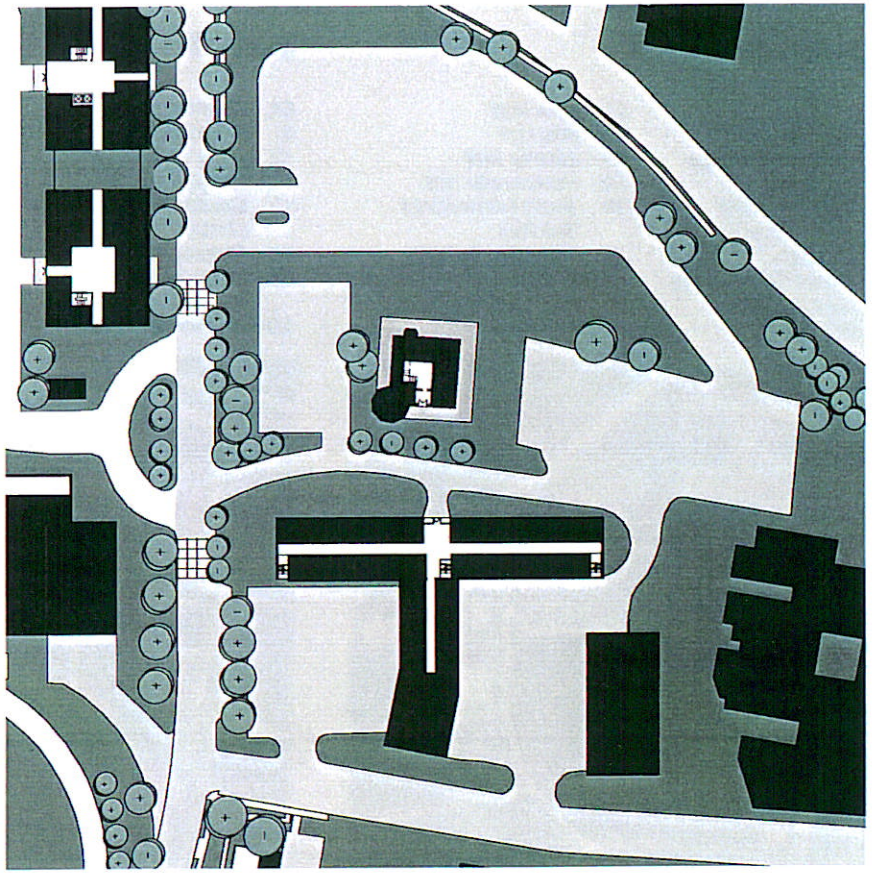
Loew Hall, a former residential building on the NYU campus, will continue to contain space for campus services including security, as well as some space for administrative support functions. Gould Residence Hall, another former dorm, and a historic McKim Mead and White building will continue to house sponsored activities.

North Campus

This plan preserves the northern portion of the campus for future development. It continues to use major portions of the site for parking and renovates existing facilities for more appropriate uses. It also proposes to treat the Hall of Fame Terrace as an internal campus road rather than a city road bisecting a campus. This can be accomplished by providing unified landscaping along the roadway to screen the various parking lots, installing a series of banners on the south side of the street, reducing speed limits, and installing special paving patterns at the pedestrian crossing points. Other proposed improvements include unifying the fencing and upgrading the landscaping along the outside borders of this precinct.

When the lease for the Patterson Training Center expires in 2003, the campus will acquire a 39,000 GSF two-story structure which is well suited for academic use. The building includes a large highbay space and a small cafeteria. The facility will be primarily designated for the autotech program due to the highbay space, adjacent parking and the building's location. Adjacent to the main building at Patterson is a 5000 GSF garage which will be utilized for campus services. Other facilities in this precinct include Altschul House and McCracken Hall. These buildings will be utilized for sponsored programs. Additional parking spaces were recently completed adjacent to McCracken which will help to offset the loss of the visitors parking due to the construction of the North Instructional Building.

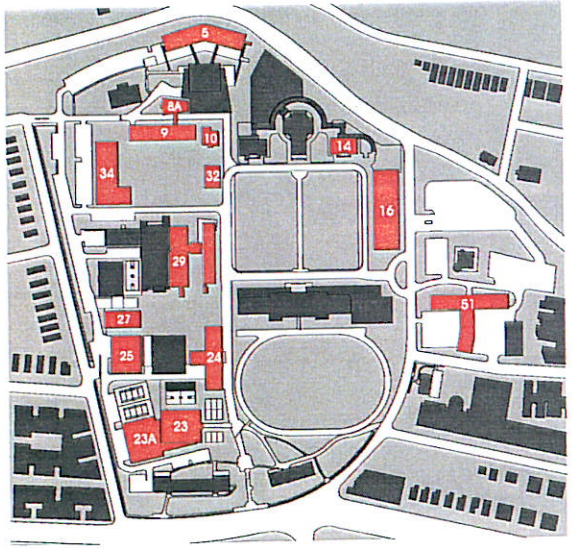
North Campus



Space Type Locations

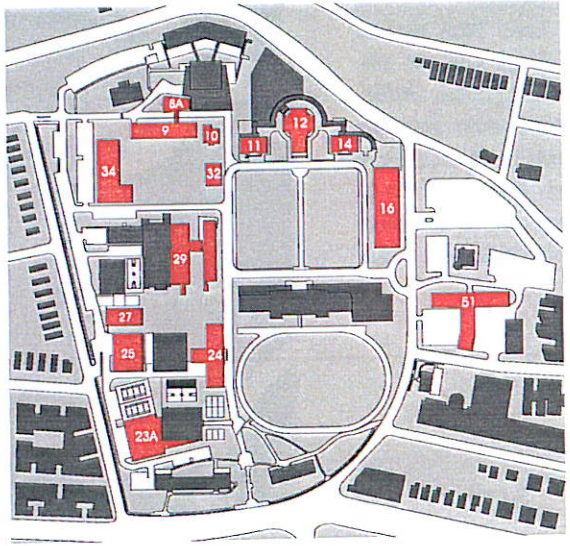
Lecture Classrooms

5. Colston Hall
8A. Begrisch Hall
9. Gould Technology
10. Butler Hall
14. Philosophy Hall
16. North Instructional Building
23. Alumni Gymnasium
23A. Gym Addition
24. Nichols Hall
25. New Hall
27. Bliss Hall
29. Meister Hall
32. Havemeyer Hall
34. South Instructional Building
51. Patterson Training Center



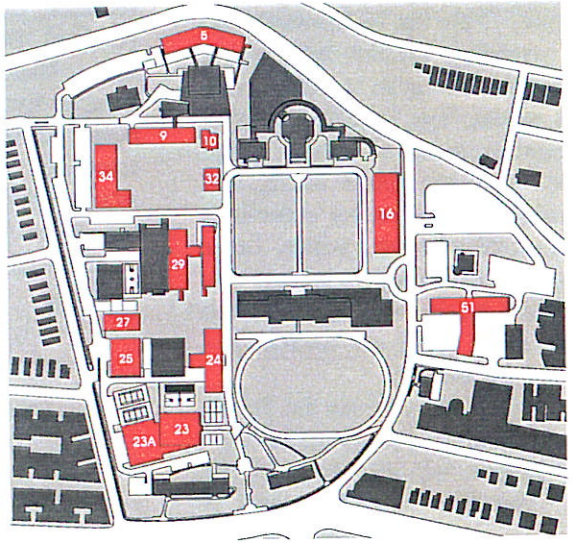
Instructional Labs

8A. Begrisch Hall
9. Gould Technology
10. Butler Hall
11. Language Hall
12. Gould Memorial Library
14. Philosophy Hall
16. North Instructional Building
23A. Alumni Gym Addition
24. Nichols Hall
25. New Hall
27. Bliss Hall
29. Meister Hall
32. Havemeyer Hall
34. South Instructional Building
51. Patterson Training Center



Academic Offices

5. Colston Hall
9. Gould Technology
10. Butler Hall
16. North Instructional Building
23. Alumni Gymnasium
23A. Gym Addition
24. Nichols Hall
25. New Hall
27. Bliss Hall
29. Meister Hall
32. Havemeyer Hall
34. South Instructional Building
51. Patterson Training Center



Instructional Resources

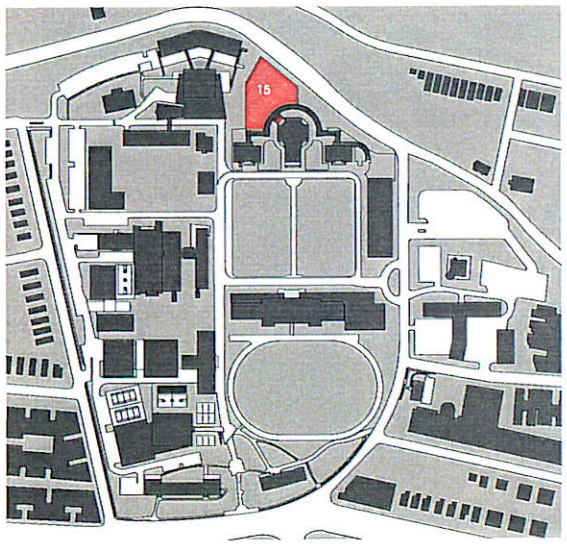
15. Library Addition

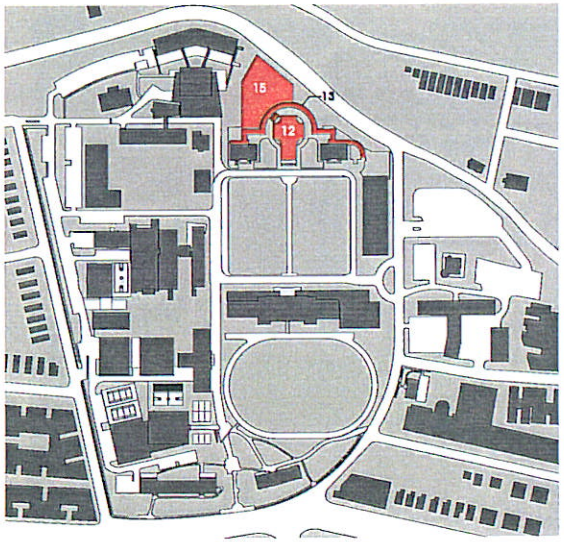
Library

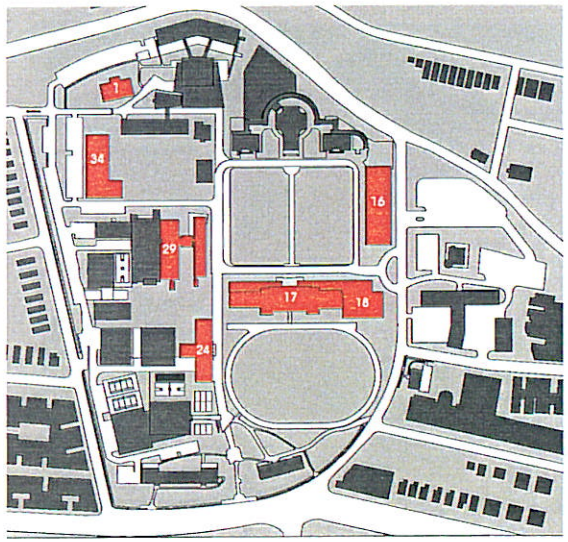
12. Gould Memorial Library
13. Hall of Fame
15. Library Addition

Student/Faculty Services

1. Daycare Building
16. North Instructional Building
17/18. Gould Student Center, Annex, & Addition
24. Nichols Hall
29. Meister Hall
33. South Instructional Building

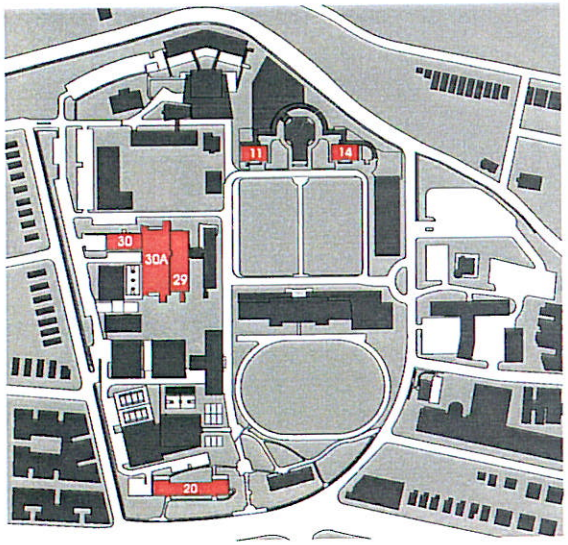






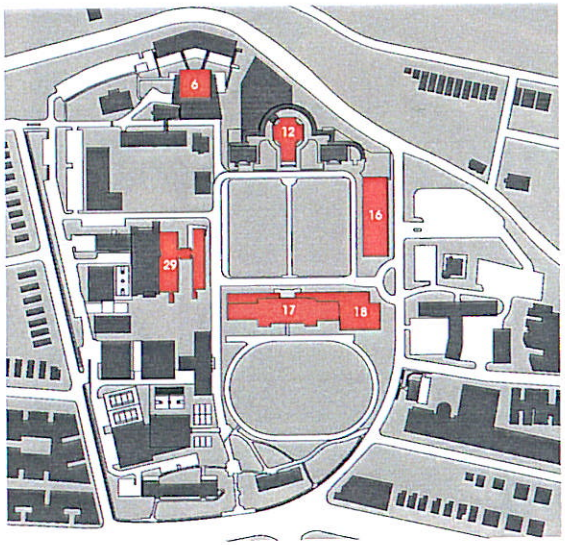
Administration

7. *Language Hall*
11. *Philosophy Hall*
20. *Loew Hall*
29. *Meister Hall*
30A. *Sage Annex*
30. *Sage Hall*



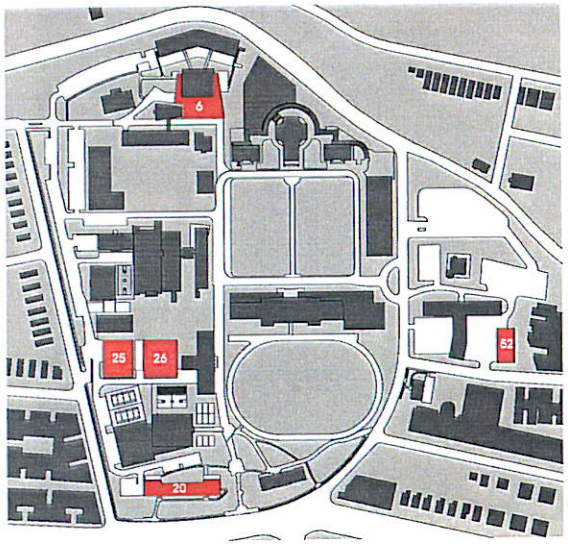
Assembly

6. *Community Hall*
12. *Gould Memorial Library*
16. *North Instructional Building*
17./18. *Gould Student Center*
29. *Meister Hall*



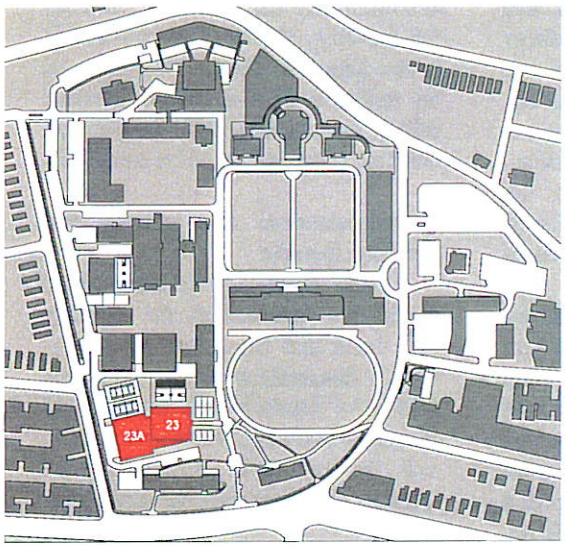
Campus Services

6. *Community Hall*
20. *Loew Hall*
26. *Energy Plant*
25. *New Hall*
52. *Patterson Garage*



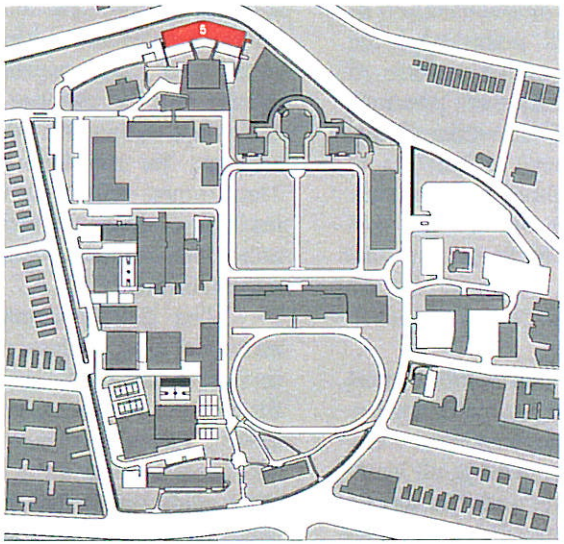
Physical Education

23/23A. Alumni Gymnasium & Addition



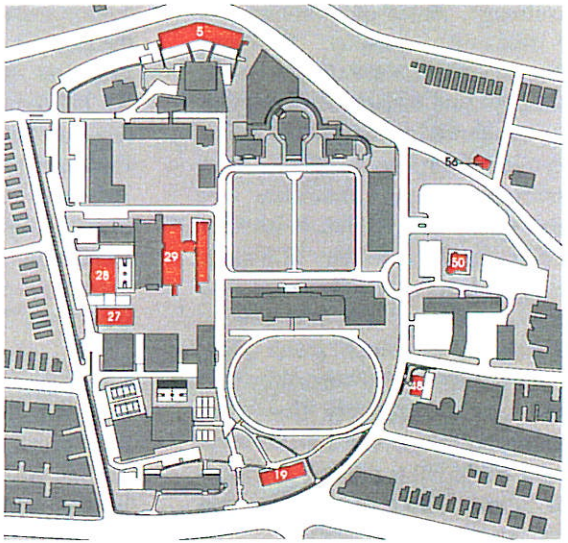
Electronic Data Processing

5. Colston Hall



Public Service

5. Colston Hall
56. Altschul House
50. McCracken Hall
48. Snow Hall
19. Gould Residence
27. Bliss Hall
28. Guggenheim Hall & Addition
29. Meister Hall



Proposed Site Utilities

Storm Drainage and Sanitary Waste System

To comply with NYCDEP standards, the campus combined sewer system is separated into an on site sanitary system comprised of the existing combined sewer pipes and a new storm drain system with detention storage. Based on an analysis of the relevant Amended Drainage Plans, the street sewers adjacent to the campus are inadequate in capacity to handle the peak flow of runoff generated from the campus. New detention storage chambers are added to the Plan which reduce the campus outflow to the allowable rates governed by the Drainage Plan sewer capacities. The retention of the existing combined sewer pipes for use as sanitary sewers only will assure that the sanitary flow from existing buildings will not be interrupted during the phased construction of new buildings and the new storm water control system.

Water Supply and Fire System

Because of their age, maintenance and operating history, a complete replacement of the campus mains and hydrants is recommended. This includes new 8" campus mains as well as new 4" domestic and fire service lines to each building. This plan allows a more reliable double loop system of 8" mains connecting to city mains at 4 different corners of the campus. The 8" mains supply the standpipe and sprinkler systems of the buildings to help meet pressures required by the NYC Building Code. Hydrants are placed at intervals of 300 feet throughout the campus. Campus hydrants are located with respect to street hydrants such that entrances of all buildings are no more than 250 feet from a hydrant.

Gas Service and Distribution System

All existing gas mains are recommended for replacement. Gas service will be extended to all facilities on campus in order to supply individual domestic hot water systems so that the central boiler plant can be shut down in warm seasons for servicing. Currently the high temperature hot water system must operate year round to provide domestic hot water.

Electrical Service

The proposed electrical service utilizes the existing duct bank and manhole system. The ductbank and cables are extended to new buildings as required. Load capacities of the system will be checked to assure cable sizes and number of feeders are adequate for proposed conditions. Transformers will be located in the mechanical space of each building rather than on outdoor pads or separate enclosures.

Con Edison normally determines the most economical route of service to the buildings designated for service. To assure reliability of service, they may decide to provide additional services from the nearest street main rather than to extend a single service pipe between buildings.

Hot Water System

The proposed high temperature hot water system extends the system to the proposed new buildings. Some pipes and manholes have to be relocated to move them out of the footprint of the new buildings. Load capacities have to be checked to assure pipe sizes are adequate for proposed conditions. In order to accommodate the new construction, the existing 13,000 lbs./hour boiler in the Selective Energy Plant should be replaced with a 26,500 lb/hour boiler. In addition, BTU meters and charting devices should be installed.

Communication, Fire Alarm and Security Systems

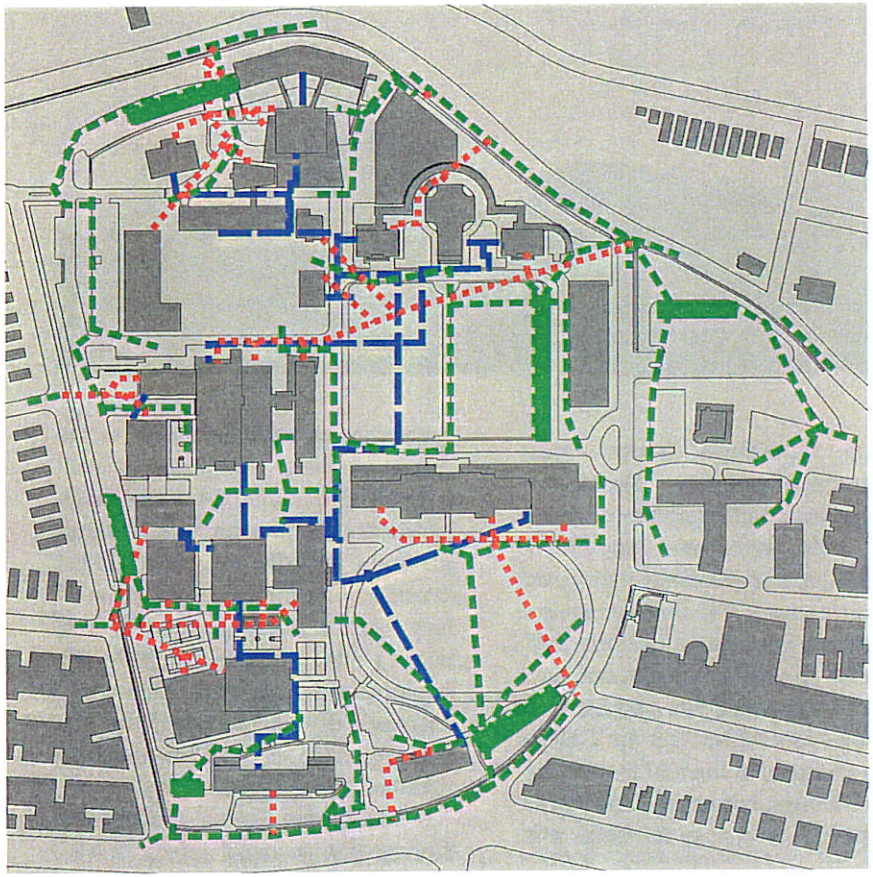
The proposed communication cables are installed in the existing duct bank and fire alarm cable systems. Extensions of the ductbank with new conduits are installed to each new building. Fiberoptic cables will be installed as required to expand the computer network system.

proposed site utilities

Sanitary Sewer

Storm

High Temperature Hot Water

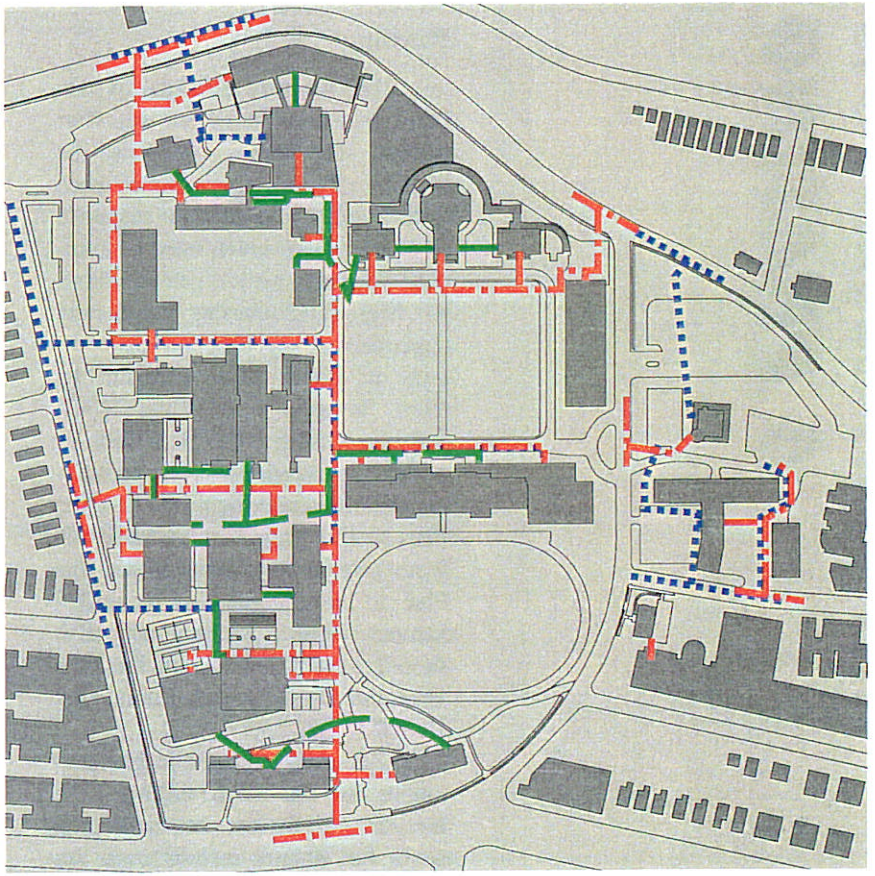


proposed site utilities

Water

Gas

Electric/Telecom



IMPLEMENTATION & PHASING

Phasing

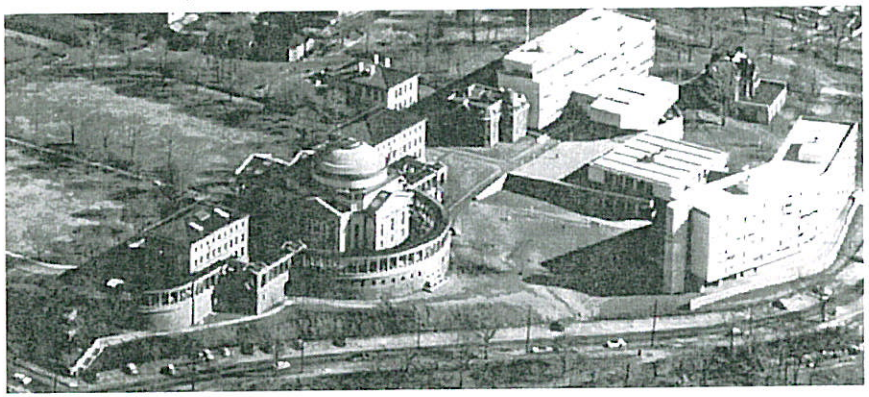
The projects indicated by this Plan have been classified into four phases. The phases respond to the urgency of needs addressed by each project and/or the inherent sequence of related work which must be completed before a project can be initiated. Site project phasing is generally dependent on specific building projects or opportunities created by them. In order to allow the CUNY and the College the flexibility to respond to changes in issues or funding without rendering portions of the Plan invalid, projects are intentionally not prioritized within a phase. The Plan is not designed to be implemented within a set time period; it should remain sound until the time when the campus population reaches 10,000 FTES.

All costs indicated in this document are in 1996 dollars, and include contractors overhead and profit but do not include costs for design, furnishings, fit-ups, equipment or contingencies. The renovation projects indicated herein generally only represent renovations required to accommodate a proposed change in use. The dollars required to correct long and short term deficiencies in physical conditions have been isolated and are addressed in the appendix tables. As the College must continue to function in its existing buildings, correcting deficiencies should not be tied to the same time constraints as implementation of the capital projects. The projects also have differing funding sources as the expenses of maintaining the physical plant are typically the realm of the Dormitory Authority of the State of New York's Building and Grounds budget. As building projects are implemented, many deficiencies will automatically be corrected so the building condition data base must be continuously updated.

Since the Bronx Community College has so many critical needs,

view of campus in 1903

aerial view of campus in 1962



the bulk of the new construction has been assigned to Phase 1. This includes the North Instructional Building, the Gould Memorial Library addition and the Gould Student Center Addition. The total costs for this phase are $109, 611,751.

The major projects within Phase 2 include the renovation of the existing portions of Gould Student Center, the renovation of the areas vacated by the existing library/learning center into a student services complex and the renovation/addition to Guggenheim Hall for University Heights High School. Total costs for this phase are $44,341,211.

Phase 3's major projects include the addition to Alumni Gym and the renovation of Nichols Hall for college use. Total costs for this phase are $43,202,074.

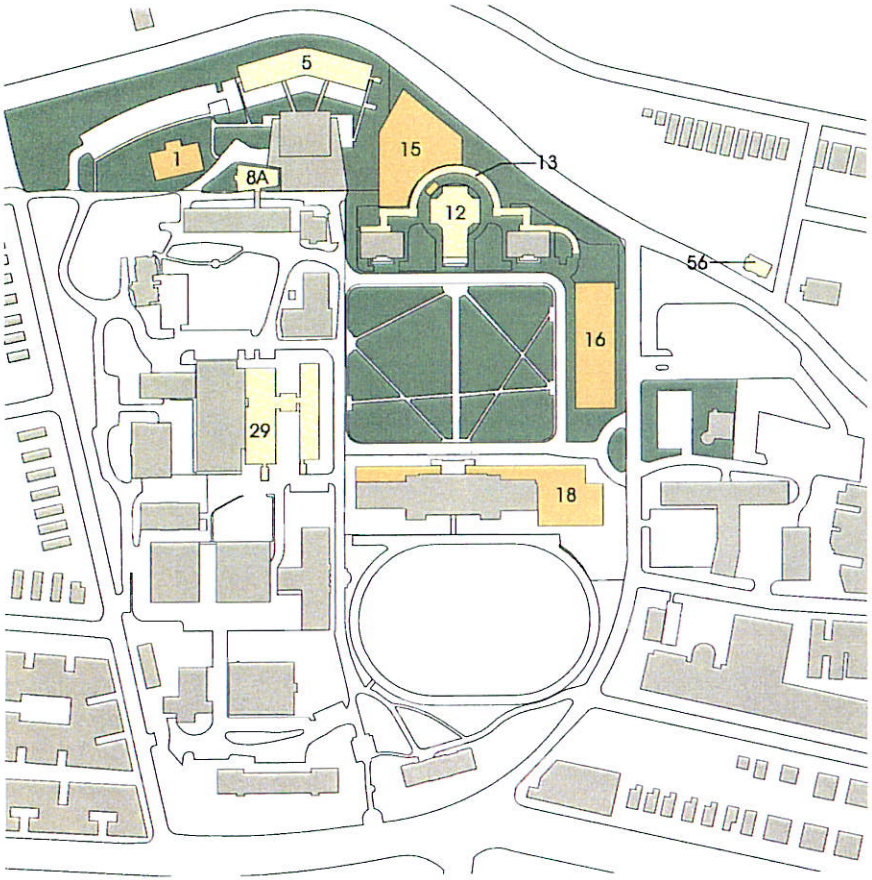
The South Instructional Building is the primary project of Phase 4. Total costs for this phase are 40,877,034.

new construction

renovation

phase I

1.New Daycare Building
5. Colston Hall
8A. Begrisch Hall
12. Gould Memorial Library
13. Hall of Fame
15. Library Addition
16. North Instructional Building
18. Gould Student Center Addition
29. Meister Hall
56. Altschul House



Project Costs

DESCRIPTION	*QTY/UNIT*	*RATE*	*CONSTR.*	
BID PRICE	*TOTAL*			

Phase 1

Child Development Center

-excavation & foundations	15,100 gsf	$12.06	$182,106	
-superstructure & building enclosure	15,100 gsf	$39.20	$591,920	
-roofing	15,100 gsf	$5.03	$75,953	
-interior construction	15,100 gsf	$65.10	$983,081	
-plumbing & fire protection	15,100 gsf	$17.12	$258,559	
-HVAC	15,100 gsf	$38.01	$573,985	
-electrical	15,100 gsf	$15.92	$240,350	
Total:		*$192.44*		*$2,905,955*

Gould Memorial Library Addition

-excavation & foundations	112,000 gsf	$21.91	$2,453,920	
-superstructure & building enclosure	112,000 gsf	$45.04	$5,044,480	
-roofing	112,000 gsf	$6.09	$682,080	
-interior construction	112,000 gsf	$63.29	$7,088,480	
-plumbing & fire protection	112,000 gsf	$26.78	$2,999,360	
-HVAC	112,000 gsf	$41.38	$4,634,560	
-electrical	112,000 gsf	$38.95	$4,362,400	
Total:		*$243.44*		*$27,265,280*

Gould Student Center Addition

-excavation & foundations	65,000 gsf	$12.06	$783,900	
-superstructure & building enclosure	65,000 gsf	$39.20	$2,548,000	
-roofing	65,000 gsf	$5.03	$326,950	
-interior construction	65,000 gsf	$54.27	$3,527,550	
-plumbing & fire protection	65,000 gsf	$24.12	$1,567,800	
-HVAC	65,000 gsf	$34.17	$2,221,050	
-electrical	65,000 gsf	$32.16	$2,090,400	
Total:		*$201.00*		*$13,065,650*

DESCRIPTION	QTY/UNIT	RATE	CONSTR. BID PRICE	TOTAL
North Instructional Building				
-excavation & foundation	83,000 gsf	$18.02	$1,495,660	
-superstructure & building enclosure	83,000 gsf	$58.57	$4,861,310	
-roofing	83,000 gsf	$7.51	$623,330	
-interior construction	83,000 gsf	$81.09	$6,730,470	
-plumbing & fire protection	83,000 gsf	$36.04	$2,991,320	
-HVAC	83,000 gsf	$51.06	$4,237,980	
-electrical	83,000 gsf	$48.06	$3,988,980	
Total:		***$300.34***		***$24,929,050***
Gould Memorial Library/Hall of Fame Renovation				
-library	46,000 gsf	$245.78	$11,305,880	
-auditorium	38,000 gsf	$235.00	$8,930,000	
Total:		***$240.90***		***$20,235,880***
Altschul House Renovation				
-renovate for Public Service	7,970 gsf	$143.37	$1,142,659	
Total:		***$143.37***		***$1,142,659***
Begrisch Hall Renovation				
-refurbish instructional space	5,600 gsf	$143.37	$802,872	
Total:		***$143.37***		***$802,872***
Colston Hall Renovation				
-renovate for Public Service	45,000gsf	$143.37	$6,451,650	
Total:		***$143.37***		***$6,451,650***
Meister Hall Renovation				
-renovate selected labs	40,000 gsf	$270.93	$10,837,200	
Total:		***$143.37***		***$10,837,200***

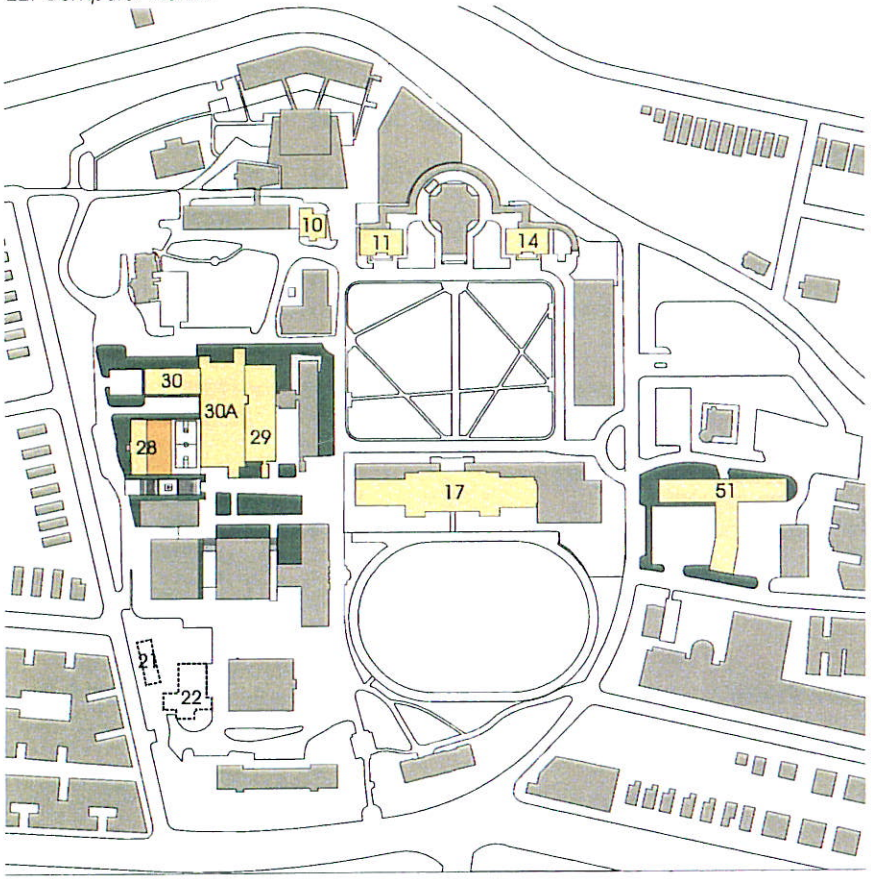
DESCRIPTION	QTY/UNIT	RATE	CONSTR. BID PRICE	TOTAL
Sitework:				
-New entry & drop-off at Hall of Fame Terrace	1 allow	$75,000	$75,000	
-Relocate north drive & upgrade landscaping	1 allow	$200,000	$200,000	
-Upgrade landscaping & lighting at Hall of Fame Terrace	1 allow	$125,000	$125,000	
-Upgrade lighting & landscaping at west entrance	1 allow	$200,000	$200,000	
-New parking spaces at Hall of Fame Terrace	1 allow	$50,000	$50,000	
-New parking spaces west of daycare	1 allow	$50,000	$50,000	
-New water mains at quad & Flagpole Hill	3,419 lf	$64.11	$219,199	
-New gas mains-west side of campus	4,372 lf	$39.05	$170,726	
-New 26,500 lbs./hour Steam boiler & recording meters at Energy Plant	1 allow	$250,000	$250,000	
-New storm water system at quad & west side of campus	3,780 lf	$71.16	$268,986	
-Trenching & backfill	11,571 cy	$40.00	$462,840	
Total:				***$2,071,751***
TOTAL PHASE I:				***$109,611,751***

new construction

renovation

phase II

10. Butler Hall
11. Language Hall
14. Philosophy Hall
17. Gould Student Center
29. Meister Hall
28. Guggenhiem + Addition
30. Sage Hall
30A. Sage Annex
51. Patterson Training Center
21. Systems Science
22. Computer Center



**costs are in 1996 dollars and do not include costs for design, FF&E, or contingencies*

Phase 2

DESCRIPTION	*QTY/UNIT*	*RATE*	*CONSTR. BID PRICE*	*TOTAL*
Guggenheim Addition				
-excavation & foundations	11,000 gsf	$12.06	$132,660	
-superstructure & building enclosure	11,000 gsf	$39.20	$431,145	
-roofing	11,000 gsf	$5.03	$55,275	
-interior construction	11,000 gsf	$54.27	$596,970	
-plumbing & fire protection	11,000 gsf	$24.12	$265,320	
-HVAC	11,000 gsf	$34.17	$375,870	
-electrical	11,000 gsf	$32.16	$353,760	
Total:		***$201.00***		***$2,211,000***
Guggenheim Renovation				
-excavation & foundations	20,000 gsf	$9.05	$180,900	
-superstructure & building enclosure	20,000 gsf	$29.40	$587,925	
-roofing	20,000 gsf	$3.77	$75,375	
-interior construction	20,000 gsf	$40.70	$814,050	
-plumbing & fire protection	20,000 gsf	$18.09	$361,800	
-HVAC	20,000 gsf	$25.63	$512,550	
-electrical	20,000 gsf	$24.12	$482,400	
Total:		***$150.75***		***$3,015,000***
Gould Student Center & Annex Renovation				
-rehab/expand theater	23,000 gsf	$143.37	$3,297,602	
-rehab for student lounges, atrium, etc.	60,800 gsf	$156.41	$9,509,606	
Total:		***$152.83***		***$12,807,208***

DESCRIPTION	QTY/UNIT	RATE	CONSTR. BID PRICE	TOTAL
Meister Hall/Sage Hall and Annex Renovation				
- renovation for student services, etc.	74,000 gsf	$143.37	$10,609,380	
Total:		*$143.37*		*$10,609,380*
Patterson Training Center Renovation				
-labs	21,000 gsf	$193.37	$4,060,770	
-classrooms/offices/support	17,000 gsf	$143.37	$2,437,290	
Total:		*$171.00*		*$6,498,060*
Butler Hall Renovation				
-labs	8,000 gsf	$193.37	$1,546,960	
-classrooms/offices/support	4,900 gsf	$143.37	$702,513	
Total:		*$174.38*		*$2,249,473*
Philosophy Hall Renovation				
-administration	11,000 gsf	$143.37	$1,577,070	
-labs	5,000 gsf	$193.37	$966,850	
-classrooms/offices/support	4,100 gsf	$143.37	$587,817	
Total:		*$155.80*		*$3,131,737*
Language Hall Renovation				
-administration	14,700 gsf	$143.37	$2,107,539	
-classrooms/offices/support	6,700 gsf	$143.37	$960,579	
Total:		*$143.37*		*$3,068,118*
Computer Center Demolition	12,000 gsf	$5.00	$60,000	
Total:		*$5.00*		*$60,000*
Systems Science Demolition	1,600 gsf	$5.00	$8,000	
Total:		*$5.00*		*$8,000*

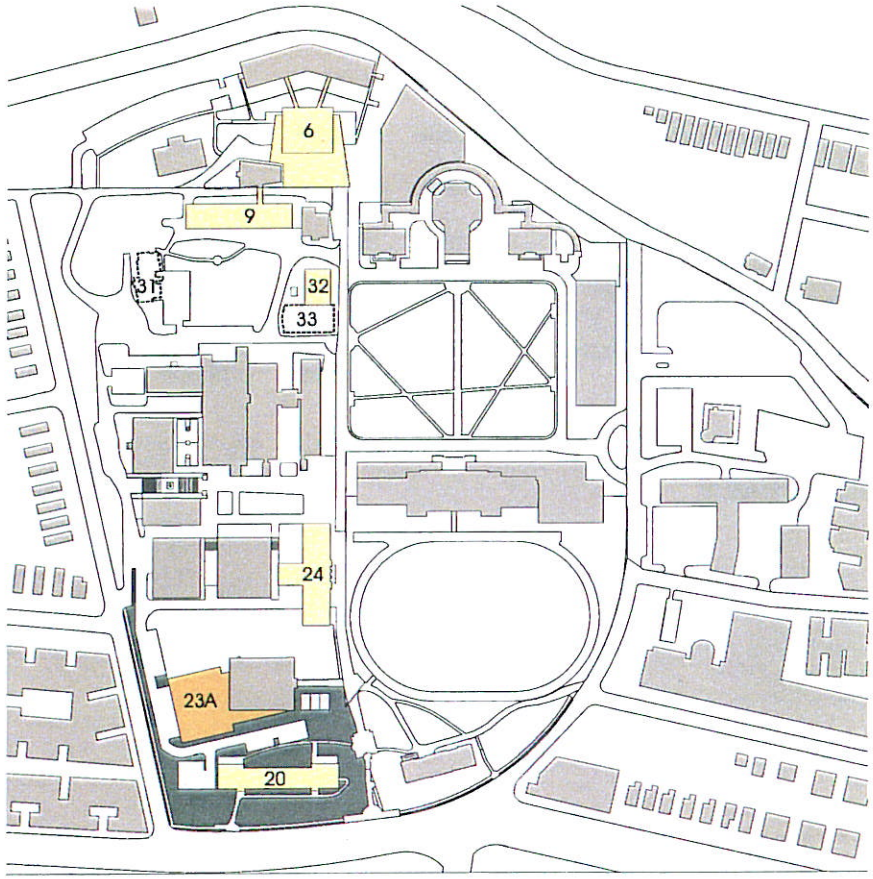
DESCRIPTION	QTY/UNIT	RATE	CONSTR. BID PRICE	TOTAL
Sitework:				
-Upgrade landscaping & lighting at plaza behind Meister Hall	1 allow	$50,000	$50,000	
-Upgrade landscaping & lighting along quadrangle	1 allow	$150,000	$150,000	
-Upgrade landscaping & lighting at plaza in front of Bliss	1 allow	$150,000	$150,000	
-Construct new basketball courts behind Guggenheim	1 allow	$20,000	$20,000	
-New water mains at central area	1171 lf	$63.96	$74,894	
-New storm water system at central area	1666 lf	$52.84	$88,037	
-New gas mains to central zone	455 lf	$41.05	$18,676	
-Trenching and backfill	3291 cy	$40.00	$131,628	
Total:				*$683,235*
TOTAL PHASE II:				*$44,341,211*

new construction

renovation

phase III

6. Community Hall
9. Gould Technology
20. Loew Hall
23A. Addition to Alumni Gymnasium
24. Nichols Hall
31. South Hall
32. Havemeyer Hall
33. Havemeyer Annex



**costs are in 1996 dollars and do not include costs for design, FF&E, or contingencies*

Phase 3

DESCRIPTION	*QTY/UNIT*	*RATE*	*CONSTR. BID PRICE*	*TOTAL*
Alumni Gym Addition				
-excavation & foundations	28,000 gsf	$10.15	$284,200	
-superstructure & building enclosure	28,000 gsf	$32.98	$923,440	
-roofing	28,000 gsf	$4.23	$118,440	
-interior construction	28,000 gsf	$45.67	$1,278,760	
-plumbing & fire protection	28,000 gsf	$20.30	$568,400	
-HVAC	28,000 gsf	$28.75	$805,000	
-electrical	28,000 gsf	$27.06	$757,680	
Total:		***$169.14***		***$4,735,920***
Community Hall Renovation				
-exhibition	27,715 gsf	$129.03	$3,576,150	
-central services	6,300 gsf	$143.37	$903,231	
Total:		***$131.69***		***$4,479,381***
Havemeyer Hall Renovation				
-labs	6,250 gsf	$193.37	$1,208,563	
-classrooms/offices/support	6,250 gsf	$143.37	$896,063	
Total:		***$168.37***		***$2,104,626***
Loew Residence Renovation				
-offices/support	53,170 gsf	$143.37	$7,622,983	
Total:		***$143.37***		***$7,622,983***
Nichols Hall Renovation				
-labs	36,200 gsf	$193.37	$6,999,994	
-classrooms/offices/support	35,470 gsf	$143.37	$5,085,334	
Total:		***$168.62***		***$12,085,327***

DESCRIPTION	QTY/UNIT	RATE	CONSTR. BID PRICE	TOTAL
Gould Tech Renovation				
-labs	40,000 gsf	$193.37	$7,734,800	
-classrooms/offices/support	23,848 gsf	$143.37	$3,419,088	
Total:		**$174.69**		**$11,153,888**
Havemeyer Annex Demolition	12,500 gsf	$5.00	$62,500	
Total:		**$5.00**		**$62,500**
South Hall Demolition	18,500 gsf	$5.00	$92,500	
Total:		**$5.00**		**$92,500**
Sitework:				
-Upgrade landscaping and lighting at Loew Hall	1 allow	$125,000	$125,000	
-New parking spaces at Loew Hall	1 allow	$200,000	$200,000	
-New water mains at southeast campus	1449 lf	$67.03	$97,131	
-New storm water at southeast campus & athletic fields	2842 lf	$46.44	$131,987	
-New gas mains at southeast campus	1740 lf	$39.99	$69,582	
-Trenching and backfill	6031 cy	$40.00	$241,248	
Total:				$864,949
TOTAL PHASE III:				*$43,202,074*

new construction

renovation

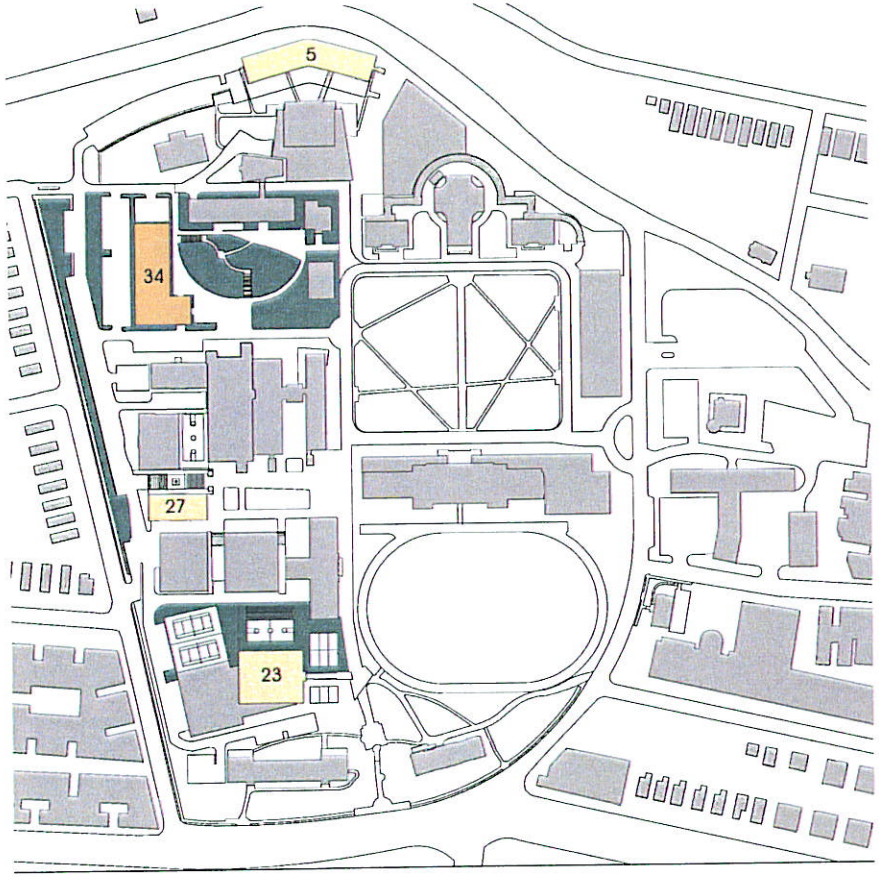
phase IV

5. Colston Hall

23. Alumni Gymnasium

27. Bliss Hall

34. South Instructional Building



**costs are in 1996 dollars and do not include costs for design, FF&E, or contingencies*

Phase 4

DESCRIPTION	*QTY/UNIT*	*RATE*	*CONSTR. BID PRICE*	*TOTAL*
South Instructional building				
-excavation & foundations	70,000 gsf	$18.43	$1,290,100	
-superstructure & building enclosure	70,000 gsf	$59.90	$4,193,000	
-roofing	70,000 gsf	$7.68	$537,600	
-interior construction	70,000 gsf	$82.94	$5,805,800	
-plumbing & fire protection	70,000 gsf	$36.86	$2,580,200	
-HVAC	70,000 gsf	$52.22	$3,655,400	
-electrical	70,000 gsf	$49.15	$3,440,500	
Total:		***$307.18***		***$21,502,600***
Alumni Gym Renovation				
-athletic areas and lockers	63,000 gsf	$73.15	$4,608,450	
Total:		***$73.15***		***$4,608,450***
Bliss Hall Renovation				
-labs	12,900 gsf	$193.37	$2,494,473	
-classrooms/offices/support	20,500 gsf	$143.37	$2,939,085	
Total:		***$162.68***		***$5,433,558***
Colston Hall Renovation				
-classrooms for public service functions	25,000 gsf	$143.37	$3,584,250	
Total:		***$143.37***		***$3,584,250***
Sitework:				
-Upgrade landscaping and lighting at Flagpole Hill	1 allow	$200,000	$200,000	
-Upgrade landscaping and lighting at south edge of campus	1 allow	$100,000	$100,000	

DESCRIPTION	QTY/UNIT	RATE	CONSTR. BID PRICE	TOTAL
-Construct:				
tennis courts	2 ea	$12,000	$24,000	
basketball court	1 ea	$10,000	$10,000	
handball court	9 ea	$7,500	$67,500	
-New parking spaces at south instructional building	1 allow	$50,000	$50,000	
-New parking spaces at south edge of campus	1 allow	$50,000	$50,000	
-New storm detention at Flagpole Hill	358 lf	$28.75	$10,294	
-Trenching and backfill	358 cy	$40.00	$14,322	
Total:				*$526,116*

TOTAL PHASE IV: *$35,654,974*

TOTAL: PHASE I-IV: *$232,810,010*

APPENDIX

BRONX COMMUNITY COLLEGE
MASTER PLAN AMMENDMENT

Current and Proposed Program Distribution

	LECTURE	LAB.	FACULTY OFFICE	PUBLIC SERVICE	DATA PROCESS	INSTR. RESOURCES	LIBRARY	ASSEMBLY	HEALTH P.E.	STU/FACUL SERVICE	ADMIN.	CAMPUS SERVICE	VACANT	TOTAL NASF	TOTAL GSF
LANGUAGE *Proposed*		3,452									7,287			10,739	21,413
Current Program	*2,980*										*5,866*		*1,893*	*10,739*	
LOEW RES. *Proposed*				5,619							9,561	14,469		29,649	53,170
Current Program	*2,055*		*2,055*	*2,905*						*7,913*	*10,277*	*3,823*	*621*	*29,649*	
McCRACKEN *Proposed*				8,079										8,079	15,000
Current Program													*8,079*	*8,079*	
MEISTAR HALL *Proposed*	12,103	48,539	9,889	5,400				2,700		6,000	24,770			109,401	210,000
Current Program	*15,121*	*48,539*	*12,609*	*4,983*		*4,922*	*19,825*	*2,664*		*447*			*291*	*109,401*	
NEW HALL *Proposed*	7,484	2,305	330									17,804		27,923	39,390
Current Program	*7,484*	*2,305*	*330*									*17,804*		*27,923*	
NICHOLS *Proposed*	10,500	22,100	9,126							2,000				43,726	71,670
Current Program	*2,536*	*5,960*		*24,502*									*10,728*	*43,726*	
PHILOS. *Proposed*	2,000	3,043									6,400			11,443	20,136
Current Program	*2,205*			*6,112*							*3,126*			*11,443*	
SAGE HALL *Proposed*											18,158			18,158	32,000
Current Program		*9,619*	*140*			*5,889*					*2,510*			*18,158*	
SAGE ANNEX *Proposed*											6,405			6,405	10,000
Current Program							*5,205*						*1,200*	*6,405*	
SNOW *Proposed*				6,520										6,520	8,500
Current Program				*6,520*										*6,520*	
TOTAL *Proposed*	**57,524**	**117,913**	**53,519**	**92,855**	4,399	**0**	**13,729**	**35,582**	**38,672**	**39,725**	**72,581**	**41,371**	**12,016**	**579,886**	**1,071,480**
Total Current Program	*58,976*	*108,450*	*53,418*	*83,308*	*4,728*	*12,523*	*25,030*	*22,844*	*38,672*	*49,295*	*39,543*	*27,962*	*55,137*	*579,886*	
DEMOLISHED BUILDINGS															
GREEN HOUSE														270	260
Current Program		*270*												*270*	
HAVEMEYER ANNEX														4,039	6,500
Current Program	*1144*			*2,308*									*587*	*4,039*	
LOEW ANNEX															
Current Program	*2,212*	*238*		*449*						*579*			*642*	*4,120*	
SOUTH HALL														8,517	18,500
Current Program											*4,229*	*2,000*	*2,288*	*8,517*	
SYST. SCIENCE														1,200	1,600
Current Program													*1,200*	*1,200*	
TOTAL DEMOLITION														**18,146**	26,860
Total Current Program	*3,356*	*508*	*0*	*2,757*	*0*	*0*	*0*	*0*	*0*	*579*	*4,229*	*2,000*	*4,717*	*18,146*	

BRONX COMMUNITY COLLEGE
MASTER PLAN AMMENDMENT

Current and Proposed Program Distribution

	LECTURE	LAB.	FACULTY OFFICE	PUBLIC SERVICE	DATA PROCESS	INSTR. RESOURCES	LIBRARY	ASSEMBLY	HEALTH P.E.	STU/FACUL SERVICE	ADMIN.	CAMPUS SERVICE	VACANT	TOTAL NASF	TOTAL GSF
EXISTING BUILDING															
ALTSHUL *Proposed*				4,799										4,799	7,970
Current Program										*4,799*				*4,799*	
ALUMNI GYM *Proposed*	302		2,510						38,672					41,484	63,000
Current Program	*302*		*2,510*						*38,672*					*41,484*	
BEGRISCH *Proposed*	2,744	767												3,511	5,600
Current Program	*2,744*	*767*												*3,511*	
BLISS *Proposed*	2,950	6,300	2,555	4,521										16,326	33,400
Current Program	*2,083*	*3,402*	*1,853*	*8,338*				*650*						*16,326*	
BUTLER *Proposed*		5,000	2,507											7,507	12,900
Current Program		*2,047*	*861*										*4,599*	*7,507*	
COLSTON *Proposed*	14,600		14,974	26,799	4,399									60,772	112,252
Current Program	*16,462*	*3,633*	*20,500*	*1,487*	*4,728*	*704*					*12,923*		*335*	*60,772*	
COMMUNITY *Proposed*								12,468				2,960		15,428	33,015
Current Program										*7,403*	*4,841*	*3,184*		*15,428*	
ENERGY PL. *Proposed*												6,058		6,058	18,000
Current Program												*3,071*	*2,987*	*6,058*	
GATEHOUSE *Proposed*												80		80	100
Current Program												*80*		*80*	
GOULD MEM. LIB . *Proposed*		300					7,245	10,414					12,016	29,975	71,000
Current Program		*300*		*1,067*				*12,988*					*15,620*	*29,975*	
GOULD RES. *Proposed*				17,799										17,799	39,336
Current Program	*1505*		*1,141*	*13,977*		*1,008*				*168*				*17,799*	
GOULD S.C. *Proposed*								10,000		24,219				34,219	70,000
Current Program								*6,542*		*27,677*				*34,219*	
GOULD S.C. ANX *Proposed*										7,506				7,506	13,800
Current Program				*7,506*										*7,506*	
GOULD TECH. *Proposed*	2,641	21,907	9,605											34,153	63,848
Current Program	*2,641*	*20,695*	*9,605*										*1,212*	*34,153*	
GUGGENHEIM *Proposed*				13,219										13,219	20,000
Current Program	*858*	*10,547*	*1,814*											*13,219*	
HALL OF FAME *Proposed*							6,484							6,484	13,360
Current Program													*6,484*	*6,484*	
HAVEMEYER *Proposed*	2,200	4,200	2,023											8,423	12,500
Current Program		*636*		*5,911*						*888*			*988*	*8,423*	
INFORMATION HOUSE				100										100	120
Current Program													*100*	*100*	

BRONX COMMUNITY COLLEGE
MASTER PLAN AMMENDMENT

Current and Proposed Program Distribution

	LECTURE	LAB.	FACULTY OFFICE	PUBLIC SERVICE	DATA PROCESS	INSTR. RESOURCES	LIBRARY	ASSEMBLY	HEALTH P.E.	STU/FACUL SERVICE	ADMIN.	CAMPUS SERVICE	VACANT	TOTAL NASF	TOTAL GSF
BUILDING ACQUISITIONS															
PATTERSON	5,000	13,631	6,000											24,631	38,000
GARAGE												4,790		4,790	5,000
TOTAL	**5,000**	**13,631**	**6,000**									**4,790**		**29,421**	**43,000**
NEW CONSTRUCTION															
New Building Efficencies	*0.65*	*0.65*	*0.65*	*0.65*	*0.65*	*0.64*	*0.64*	*0.70*	*0.75*	*0.72*	*0.65*	*0.75*			
GOULD STUDENT CENTER										46,640				46,640	65,000
GOULD MEMORIAL LIB.						14,421	56,482							70,903	112,000
GUGGENHEIM ADDITION				7,190										7,190	11,000
GYM. ADDITION	1,107	2,600	1,150						15,328					20,185	28,000
NORTH INSTRUCTIONAL	12,000	26,960	8,840					3,660		3,000				54,460	83,000
SOUTH INSTRUCTIONAL	13,430	18,640	9,991							3,000				45,061	70,000
DAYCARE CENTER										9,195				9,195	15,100
TOTAL	**26,537**	**48,200**	**19,981**	**7,190**	**0**	**14,421**	**56,482**	**3,660**	**15,328**	**61,835**	**0**	**0**	**0**	**253,634**	**384,100**
AREA SUMMARY															
EXISTING	**57,524**	**117,913**	**53,519**	**92,855**	**0**	**0**	**13,729**	**35,582**	**38,672**	**39,725**	**72,581**	**41,371**	**12,016**	**579,886**	**1,071,480**
ACQUISTIONS	**5,000**	**13,631**	**6,000**	**0**	**4,399**	**0**	**0**	**0**	**0**	**0**	**0**	**4,790**	**0**	**29,421**	**43,000**
NEW CONST.	**26,537**	**48,200**	**19,981**	**7,190**	**0**	**14,421**	**56,482**	**3,660**	**15,328**	**61,835**	**0**	**0**	**0**	**253,634**	**384,100**
TOTAL	**89,061**	**179,744**	**79,500**	**100,045**	**4,399**	**14,421**	**70,211**	**39,242**	**54,000**	**101,560**	**72,581**	**46,161**	**0**	**850,925**	**1,498,580**

Note:
1. Existing building NASF is based on data obtained from the current physical space inventory.
2. New building efficiencies represent the current CUNY standards for designated space categories.

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STUDENT ENROLLMENT PROJECTIONS
FROM WHICH TO BASE PHYSICAL MASTER PLANNING

Academic Year	Annual Average Headcount Assumed for BCC	Headcount Changes assumed from previous year for BCC	Systemwide Headcount Projections	% of System-wide Head-count at BCC	Headcount converted into FTES assumed for BCC	FTES Change assumed from previous year	% of Change of FTES Assumed for BCC
1993-94	8,056		207,622	3.88%	6,572		
1994-95	8,362	+ 306	213,787	3.91%	6,822	250	3.80%
1995-96	8,375	+ 12	219,952	3.81%	6,832	10	0.15%
1996-97	8,438	+ 63	(a) 226,117	3.73%	6,883	51	0.75%
1997-98	8,601	+ 164	(a) 233,278	3.69%	7,017	134	1.94%
1998-99	8,870	+ 269	(a) 240,278	3.69%	7,236	220	3.13%
1999-20	9,254	+ 383	(a) 247,486	3.74%	7,549	313	4.32%
2000-01	9,764	+ 510	(a) 254,917	3.83%	7,965	416	5.51%
2001-02	10,418	+ 654	(a) 262,569	3.97%	8,499	534	6.70%
2002-03	11,240	+ 822	(a) 270,444	4.16%	9,169	671	7.89%
2003-04	*12,258	+ 1,018	(a) 278,556	4.40%	10,000	831	9.08%

(a) Projections

Change from 1993-94 to 2003-04	4,279 Headcount	3,469 FTES

*or at such future date this enrollment

LECTURE NEEDS 1993-1994 AND 2003-2004

Discipline	(A) 1993-94 Actual Fall FTE's	Percent of Total FTE's in 1993-1994	(B) 2003-04 Projected FTE's	(C) CUNY Formula Lecture NASF per FTE's	(A) x (C) Lecture Space Need NASF in 1993-1994	(B) x (C) Lecture Space Need NASF in 2003-04
Accounting	149.96	2.30%	187.46	5.32	798	997
Art	135.58	2.08%	226.56	5.77	782	1,307
Astronomy	57.11	0.87%	86.81	6.23	356	541
Audio/Visual Technology	23.10	0.35%	35.12	6.60	152	232
Automotive	51.73	0.79%	86.45	4.77	247	412
Biology	350.20	5.36%	585.18	1.80	630	1,053
Botany	0.21	0.00%	0.26	1.80	0	0
Business	91.18	1.40%	113.98	5.32	485	606
Chemistry	141.60	2.17%	215.23	4.32	612	930
Communications	348.50	5.34%	582.34	5.77	2,011	3,360
Computer Science	6.39	0.10%	10.68	9.48	61	101
Data Processing	104.83	1.61%	131.04	9.48	994	1,242
Economics	32.34	0.50%	40.43	10.00	323	404
Education	84.67	1.30%	141.49	7.55	639	1,068
Electrical Technology	52.50	0.80%	47.25	7.11	373	336
English	444.47	6.81%	613.27	10.00	4,445	6,133
English as a Second Language	107.99	1.65%	180.46	10.00	1,080	1,805
Finance	8.95	0.14%	11.19	5.32	48	60
Floristry	0.14	0.00%	0.14	1.80	0	0
French	40.23	0.62%	61.15	9.50	382	581
Gardening	0.35	0.01%	0.35	1.80	1	1
Geography	38.78	0.59%	64.80	9.50	368	616
Health Education	152.85	2.34%	232.33	0.00	0	0
History	219.82	3.37%	334.13	10.00	2,198	3,341
Human Services	64.33	0.98%	97.78	10.00	643	978
Interior Landscaping	0.10	0.00%	0.16	1.80	0	0
Italian	12.51	0.19%	19.02	9.50	119	181
Keyboarding	45.50	0.70%	69.16	1.80	82	124
Language	28.33	0.43%	43.07	9.50	269	409
Law	139.98	2.14%	212.76	10.00	1,400	2,128
Marketing	33.08	0.51%	50.27	9.50	314	478
Mathematics	186.01	2.85%	310.84	10.00	1,860	3,108
Mechanical Technology	8.04	0.12%	0.00	7.11	57	0
Music	70.62	1.08%	88.27	5.77	407	509
Nuclear Med Technology	12.60	0.19%	12.72	6.00	76	76
Nursing	43.00	0.66%	53.75	7.55	325	406
Clinical Nursing	140.80	2.16%	176.00	8.29	1,167	1,459
Pharmacology	16.33	0.25%	16.49	1.80	29	30
Philosophy	18.57	0.28%	28.23	10.00	186	282
Physical Education	82.28	1.26%	125.07	0.00	0	0
Physics	45.00	0.69%	68.39	6.23	280	426
Political Science	36.76	0.56%	55.87	10.00	368	559
Psychology	316.95	4.85%	481.76	8.73	2,767	4,206
Rad. Tech.	19.56	0.30%	29.73	6.00	117	178
Secretarial Science	10.95	0.17%	13.69	1.80	20	25
Sociology	183.99	2.82%	279.66	10.00	1,840	2,797
Spanish	246.85	3.78%	375.22	9.50	2,345	3,565
Stenography	7.01	0.11%	0.00	1.80	13	0
Student Career Orientation	131.00	2.01%	199.12	6.60	865	1,314
Taxation	8.41	0.13%	10.51	5.32	45	56
Word Processing	57.01	0.87%	71.27	1.80	103	128
Subtotal (A)	4609.07	70.57%	6876.92	NA	32,682	48,549
Remedial Chemistry	114.67	1.76%	174.29	4.32	495	753
Remedial Communications	30.93	0.47%	51.69	5.77	178	298
Remedial English	558.13	8.55%	848.36	10.00	5,581	8,484
Remedial ESL	203.94	3.12%	340.78	10.00	2,039	3,408
Remedial Learning to Learn	37.16	0.57%	62.10	10.00	372	621
Remedial Mathematics	653.60	10.01%	1092.22	10.00	6,536	10,922
Remedial Reading/Study Skills	364.23	5.58%	553.63	5.31	1,934	2,940
Subtotal (B)	1962.67	30.05%	3123.08	NA	17,136	27,426
Total A + B	6571.73	100.62%	10000.00	NA	49,818	75,974

*or at such future date this enrollment

LABORATORY SPACE NEEDS 1993-1994 AND 2003-2004

Discipline	1993-94 Total FTE's	(A) CUNY Formula Lab Space Space NASF per FTE's	(B) CUNY Research Space NASF per FTE's	(C) CUNY Faculty Research Space NASF per FTE's	(A) Instruction Lab Space Need in 1993-94 NASF	(B) Research Space Need in 1993-94 NASF	(C) Faculty Research Space NASF per FTE's
Accounting	149.96	16.00	0.00	0.00	2,399	0	0
Art	135.58	60.00	0.00	0.00	8,135	0	0
Astronomy	57.11	20.00	0.00	0.00	1,142	0	0
Audio/Visual Technology	23.10	30.00	0.00	0.00	693	0	0
Automotive	51.73	192.00	0.00	0.00	9,933	0	0
Biology	350.20	30.00	0.00	0.00	10,506	0	0
Botany	0.21	30.00	0.00	0.00	6	0	0
Business	91.18	16.00	0.00	0.00	1,459	0	0
Chemistry	141.60	35.59	0.00	0.00	5,040	0	0
Communications	348.50	60.00	0.00	0.00	20,910	0	0
Computer Science	6.39	3.69	9.90	0.00	24	63	0
Data Processing	104.83	3.69	9.90	0.00	387	1,038	0
Economics	32.34	0.00	0.00	0.00	0	0	0
Education	84.67	8.59	0.00	0.00	727	0	0
Electrical Technology	52.50	36.28	0.00	0.00	1,905	0	0
English	444.47	0.00	0.00	0.00	0	0	0
English as a Second Language	107.99	0.00	0.00	0.00	0	0	0
Finance	8.95	16.00	0.00	0.00	143	0	0
Floristry	0.14	30.00	0.00	0.00	4	0	0
French	40.23	5.61	0.00	0.00	226	0	0
Gardening	0.35	30.00	0.00	0.00	10	0	0
Geography	38.78	9.82	0.00	0.00	381	0	0
Health Education	152.85	0.00	0.00	0.00	0	0	0
History	219.82	0.00	0.00	0.00	0	0	0
Human Services	64.33	3.00	0.00	0.00	193	0	0
Interior Landscaping	0.10	30.00	0.00	0.00	3	0	0
Italian	12.51	5.61	0.00	0.00	70	0	0
Keyboarding	45.50	51.79	8.33	0.00	2,356	379	0
Language	28.33	5.61	0.00	0.00	159	0	0
Law	139.98	3.00	0.00	0.00	420	0	0
Marketing	33.08	0.00	0.00	0.00	0	0	0
Mathematics	186.01	0.00	0.00	0.00	0	0	0
Mechanical Technology	8.04	36.28	0.00	0.00	292	0	0
Music	70.62	32.00	0.00	0.00	2,260	0	0
Nuclear Med Technology	12.60	30.00	0.00	0.00	378	0	0
Nursing	43.00	8.59	0.00	0.00	369	0	0
Clinical Nursing	140.80	32.80	0.00	0.00	4,618	0	0
Pharmacology	16.33	30.00	0.00	0.00	490	0	0
Philosophy	18.57	0.00	0.00	0.00	0	0	0
Physical Education	82.28	0.00	0.00	0.00	0	0	0
Physics	45.00	20.00	0.00	0.00	900	0	0
Political Science	36.76	0.00	0.00	0.00	0	0	0
Psychology	316.95	6.89	0.00	0.00	2,184	0	0
Rad. Tech.	19.56	30.00	0.00	0.00	587	0	0
Secretarial Science	10.95	51.79	8.33	8.00	567	91	88
Sociology	183.99	3.00	0.00	0.00	552	0	0
Spanish	246.85	5.61	0.00	0.00	1,385	0	0
Stenography	7.01	51.79	8.33	0.00	363	58	0
Student Career Orientation	131.00	40.00	0.00	15.00	5,240	0	1,965
Taxation	8.41	16.00	0.00	0.00	134	0	0
Word Processing	57.01	51.79	8.33	0.00	2,953	475	0
Subtotal (A)	4609.07	NA	NA	NA	90,125	2,105	2,053
Remedial Chemistry	114.67	35.59	0.00	0.00	4,081	0	0
Remedial Communications	30.93	60.00	0.00	0.00	1,856	0	0
Remedial English	558.13	54.00	0.00	0.00	30,139	0	0
Remedial ESL	203.94	5.61	0.00	0.00	1,144	0	0
Remedial Learning to Learn	37.16	54.00	0.00	15.00	2,007	0	557
Remedial Mathematics	653.60	54.00	0.00	0.00	35,294	0	0
Remedial Reading & Study Skills	364.23	54.00	0.00	0.00	19,668	0	0
Subtotal (B)	1962.67	NA	NA	NA	94,190	0	557
Total A + B	6571.73	NA	NA	NA	184,315	2,105	2,610

LABORATORY SPACE NEEDS 1993-1994 AND 2003-2004 (Cont.)

Discipline	2003-04 Total FTE's	(A) CUNY Formula Lab Space Space NASF per FTE's	(B) CUNY Research Space NASF per FTE's	(C) CUNY Faculty Research Space NASF per FTE's	(A) Instruction Lab Space Need in 2003-04 NASF	(B) Research Space Need in 2003-04 NASF	(C) Faculty Research Space NASF per FTE's
Accounting	187.46	16.00	0.00	0.00	2,999	0	0
Art	226.56	60.00	0.00	0.00	13,593	0	0
Astronomy	86.81	20.00	0.00	0.00	1,736	0	0
Audio/Visual Technology	35.12	30.00	0.00	0.00	1,054	0	0
Automotive	86.45	192.00	0.00	0.00	16,598	0	0
Biology	585.18	30.00	0.00	0.00	17,556	0	0
Botany	0.26	30.00	0.00	0.00	8	0	0
Business	113.98	16.00	0.00	0.00	1,824	0	0
Chemistry	215.23	35.59	0.00	0.00	7,660	0	0
Communications	582.34	60.00	0.00	0.00	34,940	0	0
Computer Science	10.68	3.69	9.90	0.00	39	106	0
Data Processing	131.04	3.69	9.90	0.00	484	1,297	0
Economics	40.43	0.00	0.00	0.00	0	0	0
Education	141.49	8.59	0.00	0.00	1,215	0	0
Electrical Technology	47.25	36.28	0.00	0.00	1,714	0	0
English	613.27	0.00	0.00	0.00	0	0	0
English as a Second Language	180.46	0.00	0.00	0.00	0	0	0
Finance	11.19	16.00	0.00	0.00	179	0	0
Floristry	0.14	30.00	0.00	0.00	4	0	0
French	61.15	5.61	0.00	0.00	343	0	0
Gardening	0.35	30.00	0.00	0.00	11	0	0
Geography	64.80	9.82	0.00	0.00	636	0	0
Health Education	232.33	0.00	0.00	0.00	0	0	0
History	334.13	0.00	0.00	0.00	0	0	0
Human Services	97.78	3.00	0.00	0.00	293	0	0
Interior Landscaping	0.16	30.00	0.00	0.00	5	0	0
Italian	19.02	5.61	0.00	0.00	107	0	0
Keyboarding	69.16	51.79	8.33	0.00	3,582	576	0
Language	43.07	5.61	0.00	0.00	242	0	0
Law	212.76	3.00	0.00	0.00	638	0	0
Marketing	50.27	0.00	0.00	0.00	0	0	0
Mathematics	310.84	0.00	0.00	0.00	0	0	0
Mechanical Technology	0.00	36.28	0.00	0.00	0	0	0
Music	88.27	32.00	0.00	0.00	2,825	0	0
Nuclear Med Technology	12.72	30.00	0.00	0.00	382	0	0
Nursing	53.75	8.59	0.00	0.00	462	0	0
Clinical Nursing	176.00	32.80	0.00	0.00	5,773	0	0
Pharmacology	16.49	30.00	0.00	0.00	495	0	0
Philosophy	28.23	0.00	0.00	0.00	0	0	0
Physical Education	125.07	0.00	0.00	0.00	0	0	0
Physics	68.39	20.00	0.00	0.00	1,368	0	0
Political Science	55.87	0.00	0.00	0.00	0	0	0
Psychology	481.76	6.89	0.00	0.00	3,319	0	0
Rad. Tech.	29.73	30.00	0.00	0.00	892	0	0
Secretarial Science	13.69	51.79	8.33	8.00	709	114	110
Sociology	279.66	3.00	0.00	0.00	839	0	0
Spanish	375.22	5.61	0.00	0.00	2,105	0	0
Stenography	0.00	51.79	8.33	0.00	0	0	0
Student Career Orientation	199.12	40.00	0.00	15.00	7,965	0	2,987
Taxation	10.51	16.00	0.00	0.00	168	0	0
Word Processing	71.27	51.79	8.33	0.00	3,691	594	0
Subtotal (A)	6876.92	NA	NA	NA	138,069	2,687	3,096
Remedial Chemistry	174.29	35.59	0.00	0.00	6,203	0	0
Remedial Communications	51.69	60.00	0.00	0.00	3,101	0	0
Remedial English	848.36	54.00	0.00	0.00	45,812	0	0
Remedial ESL	340.78	5.61	0.00	0.00	1,912	0	0
Remedial Learning to Learn	62.10	54.00	0.00	15.00	3,353	0	932
Remedial Mathematics	1092.22	54.00	0.00	0.00	58,980	0	0
Remedial Reading & Study S	553.63	54.00	0.00	0.00	29,896	0	0
Subtotal (B)	3123.08	NA	NA	NA	149,257	0	932
Total A + B	10000.00	NA	NA	NA	287,327	2,687	4,028

*or at such future date this enrollment

FOOTNOTES TO LECTURE AND LABORATORY TABLES

	Discipline	Substitution
(1)	Astronomy	Physics
(2)	Audio/Visual Technology	TV & Radio
(3)	Botany	Biology
(4)	Communications	Speech & Theatre
(5)	Finance	Accounting
(6)	Floristry	Biology
(7)	Gardening	Biology
(8)	Interior Landscaping	Biology
(9)	Italian	Spanish
(10)	Keyboarding	Secretarial Science
(11)	Language	Spanish
(12)	Law	Legal Assistant
(13)	Nuclear Med Technology	SUNY Standard
(14)	Pharmacology	Biology
(15)	Rad. Tech.	SUNY Standard
(16)	Stenography	Secretarial Science
(17)	Taxation	Accounting
(18)	Word Processing	Secretarial Science

FACULTY OFFICES & FACULTY SUPPORT FUNCTIONS
1993-94 AND 2003-04

YEAR	FTE's	Student To Faculty Ratio	Number of Regular Full Time Faculty Positions	Number of Regular Full-Time Music Faculty Positions	CUNY Space Standard per Faculty Office NASF	CUNY Space Standard per Music Faculty Office NASF	CUNY Space Standard Support Per Faculty NASF	Faculty Office NASF	Faculty Support NASF
1993-94	6,572	21.2 to 1	309	1.5	120	160	40	37,020 240	12,340
							Total	37,260 NASF	12,340 NASF
2003-04	10,000*	21.2 to 1	467	4.25	120	160	40	56,094 680	18,698
							Total	56,774 NASF	18,698 NASF

*or at such future date this enrollment

LIBRARY

1993-94 FTES	2003-04 FTES	CUNY Space Standard relates to FTES	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	Size has 3 parts: stack space, seating space, support space.	6,592 NASF Stacks	10,030 NASF Stacks
		Stack Space depends upon the academic orientation of the Community Colleges & % rate of students that transfer onto Senior Colleges. More volumes assumed for higher transfer rates	+ 34,405 NASF Seating	+ 52,360 NASF Seating
		Assume BCC has a 40% or less transfer rate. If True, then Volumes = (10 x FTES) + (.075 x FTES X40%)	+ 10,249 NASF Support Space	+ 15,598 NASF Support Space
		1993-94 65,720 + 197 = 65,917 Vols x 1 NASF = 6,592 NASF	Total 51,246 NASF	Total 77,988 NASF
		2003-04 100,000 + 300 = 100,300 Vols x 1 NASF = 10,030 NASF		
		Seating Space is generated by students and faculty: 5 NASF x FTES and 5 NASF x FTEF		
		1993-94: 5 x 6,572 = 32,860 NASF Plus 5 x 309 = 1,545 NASF Total = 34,405 NASF		
		2003-04: 5 x 10,000= 50,000 NASF Plus 5 x 472 = 2,360 NASF Total = 52,360 NASF		
		Support Space is 25% of the total sum of Stack and Seating spaces:		

ASSEMBLY

1993-94 FTES	2003-04 FTES	CUNY Space Standard related to FTES Size	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	Community Colleges up to 7,000 FTES = 34,310 NASF	34,310 NASF	39,242 NASF
		Community Colleges greater then 7,000 FTES have no space standard		
		Senior Colleges up to 8,000 FTES = 46,670 NASF (note the Community College allowance is 74% of this amount)		
		Senior Colleges 8,001-13,000 FTES = 53,030 NASF		
		If take 74% of 53,030 NASF, BCC will need 39,242 NASF		

*or at such future date this enrollment

PHYSICAL EDUCATION

1993-94 FTES	2003-04 FTES	CUNY Space Standard related to P.E. Contact Hours	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	WSCH in PE x 5 NASF = PE Allowable for PE	54,000 NASF	54,000 NASF

BCC needs a full compliment of PE

Single Gym	7,200
Double Gym	14,400
Handball	1,180
Exercise Room	3,000
Pitching Practice	2,000
Dojo	3,000
Dance Studio	2,000
Swimming Pool	11,460
Wrestling Room	3,840
Subtotal NASF	48,080
15% Support	7,212
Total	55,292

*or at such future date this enrollment

STUDENT FACULTY SERVICES

1993-94 FTES	2003-04 FTES	CUNY Space Standard NASF per FTES	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	10.5 NASF per FTES	69,006 NASF	105,000 NASF

INSTRUCTIONAL RESOURCE CENTER (I.R.C.)

1993-94 FTES	2003-04 FTES	CUNY Space Standard related to FTES Size	Space Need FTES NASF	Space Need FTES NASF
6,572	10,000*	Community Colleges up to 7,000 FTES = 11,000 NASF	11,000 NASF	13,207 NASF

Community Colleges greater then 7,000 FTES have no space standard

Senior Colleges up to 8,000 FTES = 24,920 NASF (note the Community College allowance is 44% of this amount)

Senior Colleges 8,001-13,000 FTES = 29,920 NASF

If take 44% of 29,920 NASF, BCC will need 13,207 NASF

ADMINISTRATIVE OFFICES & SUPPORT

1993-94 FTES	2003-04 FTES	CUNY Space Standard relates to FTES Size	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	6 NASF per FTES	39,432 NASF	60,000 NASF
		Plus Use Judgment for: File, Storage, Work Space, Conference Rooms, Receptions Rooms, Coat Rooms, Testing Rooms		

DATA PROCESSING

1993-94 FTES	2003-04 FTES	CUNY Space Standard related to FTES Size	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	Community Colleges up to 7,000 FTES = 4,020 NASF	4,020 NASF	9,408 NASF
		Community Colleges greater then 7,000 FTES have no space standard		
		Senior Colleges up to 8,000 FTES = 12,600 NASF (note the Community College allowance is 56% of this amount)		
		Senior Colleges 8,001-13,000 FTES = 16,800 NASF		
		If take 56% of 16,800 NASF, BCC will need 9,408 NASF in 1998-99		

*or at such future date this enrollment

CAMPUS SERVICES

1993-94 FTES	2003-04 FTES	CUNY Space Standard relates the Sum of All Other Categories	1993-94 Space Need NASF	2003-04 Space Need NASF
6,572	10,000*	This category is a sum of two parts added to together: Central Services and Building Services	38,777 NASF	56,569 NASF
		(a) Central Services is 3% of the space of all previous spaces		
		1993-94 Need: 16,619 NASF 2003-04 Need: 24,244 NASF		
		(b) Building Services is an allowance by type of campus and its size. Community colleges up to 7,000 FTE's get 21,920; Senior colleges over 13,000 FTES just get a flat 4% of all previously generated space. Decide to use the 4% approach.		
		1993-94 Need: 22,158 NASF 2003-04 Need: 32,325 NASF		

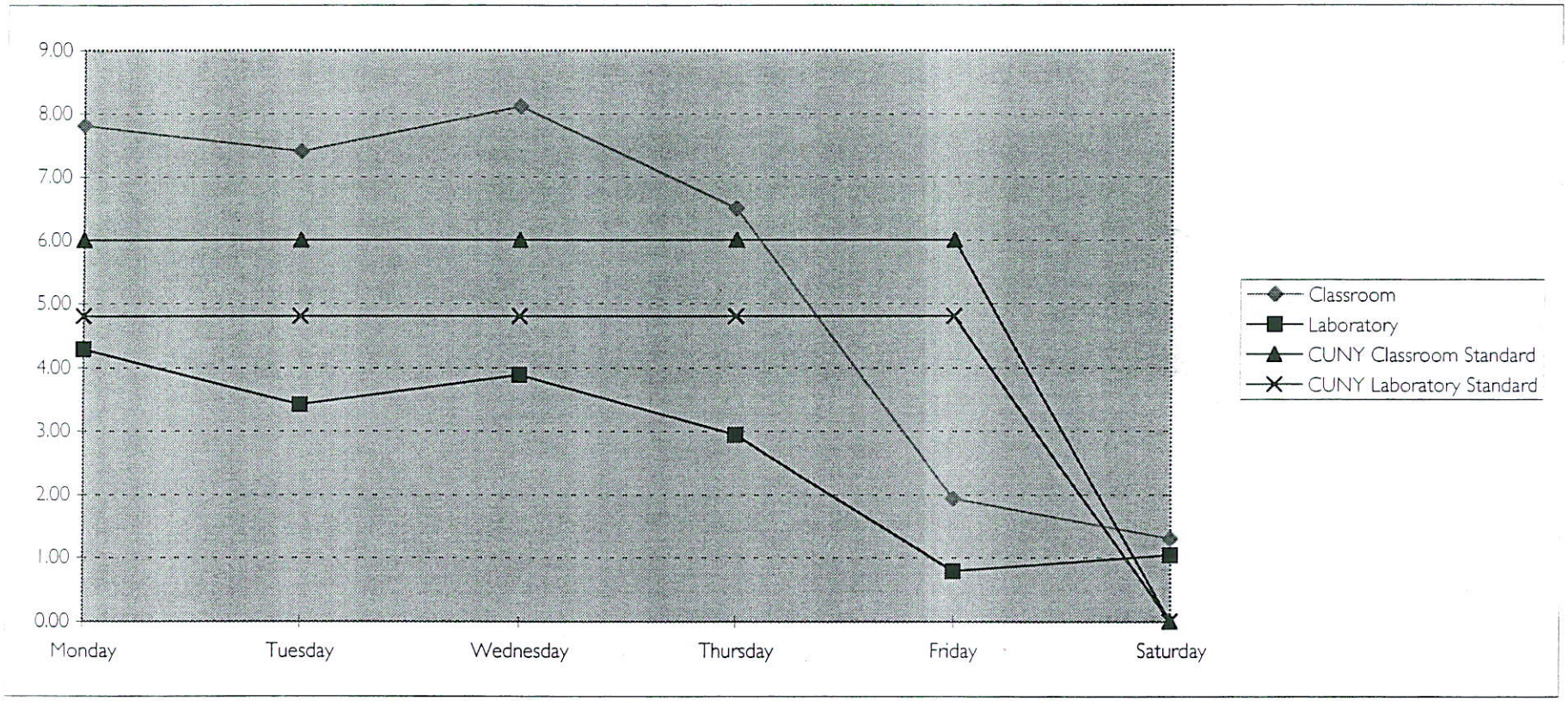
SUMMARY OF CAMPUS SPACE NEEDS
PURSUANT TO CUNY STANDARDS

Space Type	(A) Existing Space in Main Campus NASF	(B) Existing Space Currently Inactive NASF	(C) Total Existing Space NASF (A) + (B)	(D) Space Need 1993-94 per CUNY Standards NASF	(E) Space Need 2003-04 per CUNY Standards NASF	(F) Deficit Space Based on 2003-04 Calc NASF (E-C)	(G) Proposed Space Program 2003-04 NASF	(H) Permanent Space To Build by 2003-04 NASF (G-C)
Classrooms, Lecture	62,332	0	62,332	49,818	75,974	13,642	85,061	22,729
Classroom Support	Inc. Above	Inc. Above	Inc. Above	2,491	3,798	3,798	4,000	4,000
Instructional Labs	108,958	17,169	126,127	184,315	287,327	161,200	176,744	50,617
Self-Instructional Labs	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above
Lab Support & Research	Inc. Above	Inc. Above	Inc. Above	2,105	2,687	2,687	3,000	3,000
Academic Offices	52,802	3,413	56,215	37,260	56,774	559	74,500	18,285
Academic Office Support	Inc. Above	Inc. Above	Inc. Above	12,340	18,698	18,698	Inc. Above	Inc. Above
Faculty Research	0	0	0	2,610	4,028	4,028	5,000	5,000
Subtotal Instructional	224,092 NASF	20,582 NASF	244,674 NASF	290,939 NASF	449,286 NASF	204,612 NASF	348,305 NASF	103,631 NASF
Public Service	86,065	0	86,065	100,045	100,045	13,980	100,045	13,980
Subtotal	86,065 NASF	0 NASF	86,065 NASF	100,045 NASF	100,045 NASF	13,980 NASF	100,045 NASF	13,980 NASF
Library	25,030	15,620	40,650	51,246	77,988	37,338	70,211	29,561
Physical Education	38,672	0	38,672	54,000	54,000	15,328	54,000	15,328
Assembly	22,844	0	22,844	34,310	39,242	16,398	39,242	16,398
Student Faculty Services	49,874	0	49,874	69,006	105,000	55,126	101,560	51,686
Instructional Resource Center	12,523	0	12,523	11,000	13,207	684	14,421	1,898
Administrative Offices	43,772	10,593	54,365	39,432	60,000	5,635	72,581	18,216
Administrative Office Support	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above	Inc. Above
Data Processing	4,728	0	4,728	4,020	9,408	4,680	4,399	-329
Campus Services	29,962	13,059	43,021	38,777	56,569	13,548	46,161	3,140
Subtotal Support	227,405 NASF	39,272 NASF	266,677 NASF	301,791 NASF	415,414 NASF	148,737 NASF	402,575 NASF	135,898 NASF
Total Net	537,562 NASF	59,854 NASF	597,416 NASF	692,775 NASF	964,745 NASF	367,329 NASF	850,925 NASF	253,509 NASF

PUBLIC SERVICE PROGRAMS

Public Service	Existing	1993-94 Current Need	2003-04 Future Need	Funding Source	Grant Value
Aids Outreach	449	381	381	Various Agencies (includ Dept of Health)	$584,030
Begin	12,894	12,419	12,419	NYC HRA	$1,338,863
Board of Ed University Heights	27,038	20,410	20,410	Board of Education	NA
Bronx Family Services	6,520	6,520	6,520	NYC	NA
CERN	193	1,147	1,147	NYC Department of Employment	$23,221
City Works	1,664	3,654	3,654	NYC Department of Employment	$375,000
Community Board #5	1,504	1,504	1,504	NA	NA
Crosswalks	4,836	5,400	5,400	CUNY	NA
Displaced Homemakers	1,328	2,888	2,888	NYC Department of Labor	$260,901
Family College	7,815	7,815	7,815	NYC HRA,BOE, CUNY	$135,809
Gateway	0	525	525	NYS Office of Aging (One of several)	$50,000
Liberty Partnership	630	725	725	NYS Education Department	$224,681
NCUP	664	664	664	Ford Foundation	NA
Occupational Education	3,061	7,818	7,818	NYS Education Department	$139,000
Police Recruitment	837	0	0	NA	NA
Project Hire	3,037	4,521	4,521	NYC Department of Employment	$250,000
Reach	438	438	438	NYS Office of Alcohol & Substance Abuse	$246,187
Save Our Seniors	1,228	2,398	2,398	NYC Department of Aging	$485,567
Skills Enhancement Center	3,158	5,890	5,890	NYC Department of Employment	$242,256
Step	771	771	771	NYS Education Department	$108,000
Talent Search	0	3,019	3,019	US Education Department	NA
Teenage Opportunity Program	3,365	3,616	3,616	NYC Department of Youth Services	$166,552
Upward Bound	1,894	2,319	2,319	US Education Department	$300,618
Youth Career Program	278	731	731	NYS Education Department	NA
Youth Internship Programs	2,463	4,473	4,473	New York State Legislature	See City Works
Total Net	86,065	100,045	100,045		

Room Scheduling Study
Average Hours per Room



	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total
Classroom	7.81	7.40	8.11	6.50	1.94	1.30	33.06
Laboratory	4.28	3.41	3.88	2.94	0.78	1.03	16.32
CUNY Classroom Standard	6.00	6.00	6.00	6.00	6.00	0.00	30.00
CUNY Laboratory Standard	4.80	4.80	4.80	4.80	4.80	0.00	24.00

Classroom Scheduling Study

Building	Rm No	Rm Type
Bliss	301	Classroom
Bliss	302	Classroom
Bliss	304	Classroom
Bliss	310B	Classroom
Colston Hall	202	Classroom
Colston Hall	203	Classroom
Colston Hall	211	Classroom
Colston Hall	212	Classroom
Colston Hall	213	Classroom
Colston Hall	214	Classroom
Colston Hall	227	Classroom
Colston Hall	228	Classroom
Colston Hall	243	Classroom
Colston Hall	317	Classroom
Colston Hall	330	Classroom
Colston Hall	331	Classroom
Colston Hall	411	Classroom
Colston Hall	412	Classroom
Colston Hall	413	Classroom
Colston Hall	414	Classroom
Colston Hall	420	Classroom
Colston Hall	421	Classroom
Colston Hall	422	Classroom
Colston Hall	423	Classroom
Colston Hall	436	Classroom
Colston Hall	614	Classroom
Colston Hall	615	Classroom
Colston Hall	616	Classroom
Colston Hall	629	Classroom
Colston Hall	630	Classroom
Colston Hall	712	Classroom
Colston Hall	713	Classroom
Colston Hall	714	Classroom
Colston Hall	715	Classroom

Monday

Hour														Total	User
8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00		
9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
														3	ESL,ART
														9	MTH,OCD,AAT
														5.5	ESL,ART,CMS
														7	ENG,SPN,ART,CMS
														0	
														9.5	CMS,FRN,RDL,SPN
														9.5	ESL,LAN
														8.5	ENG
														12	LTL,HIS,OCD,RDL
														12	PSY,CMS,ECO,MTH
														12	PSY,POL
														9.5	PSY,EDU
														12.5	SPN,ITL,RDL
														12.5	HIS,GEO
														14	GEO,HIS
														11.5	PSY,SOC
														13	RDL
														10.5	EDU,ESL,LTL
														12.5	ESL,PSY,RDL,OCD
														11	RDL
														9.5	ESL
														11.5	ENG,SOC,PSY
														12.5	RDL,PSY,SOC
														10.5	RDL,ESL,PSY
														10.5	ESL
														10.5	ENG
														10.5	ENG
														10.5	ENG
														10.5	ENG
														13.5	ENG
														11	CMS,ENG,ESL
														6	CMS
														8	CMS
														10.5	CMS,ENG

Classroom Scheduling Study

Building	Rm No	Rm Type
Colston Hall	722	Classroom
Colston Hall	723	Classroom
Colston Hall	724	Classroom
Colston Hall	725	Classroom
Gould Technology	204	Classroom
Gould Technology	205	Classroom
Gould Technology	206	Classroom
Gould Technology	418	Classroom
Guggenheim	214	Classroom
Guggenheim	333	Classroom
Language Hall	032	Classroom
Language Hall	033	Classroom
Language Hall	036	Classroom
Language Hall	037	Classroom
Loew Residence	200	Classroom
Loew Residence	301	Classroom
Loew Residence	321	Classroom
New Hall	023	Classroom
New Hall	025	Classroom
New Hall	027	Classroom
New Hall	031	Classroom
New Hall	033	Classroom
New Hall	034	Classroom
New Hall	035	Classroom
New Hall	036	Classroom
New Hall	037	Classroom
Philosophy Hall	022	Classroom
Philosophy Hall	023	Classroom
Philosophy Hall	032	Classroom
Philosophy Hall	033	Classroom
Technology II	S07	Classroom
Technology II	203	Classroom

Monday

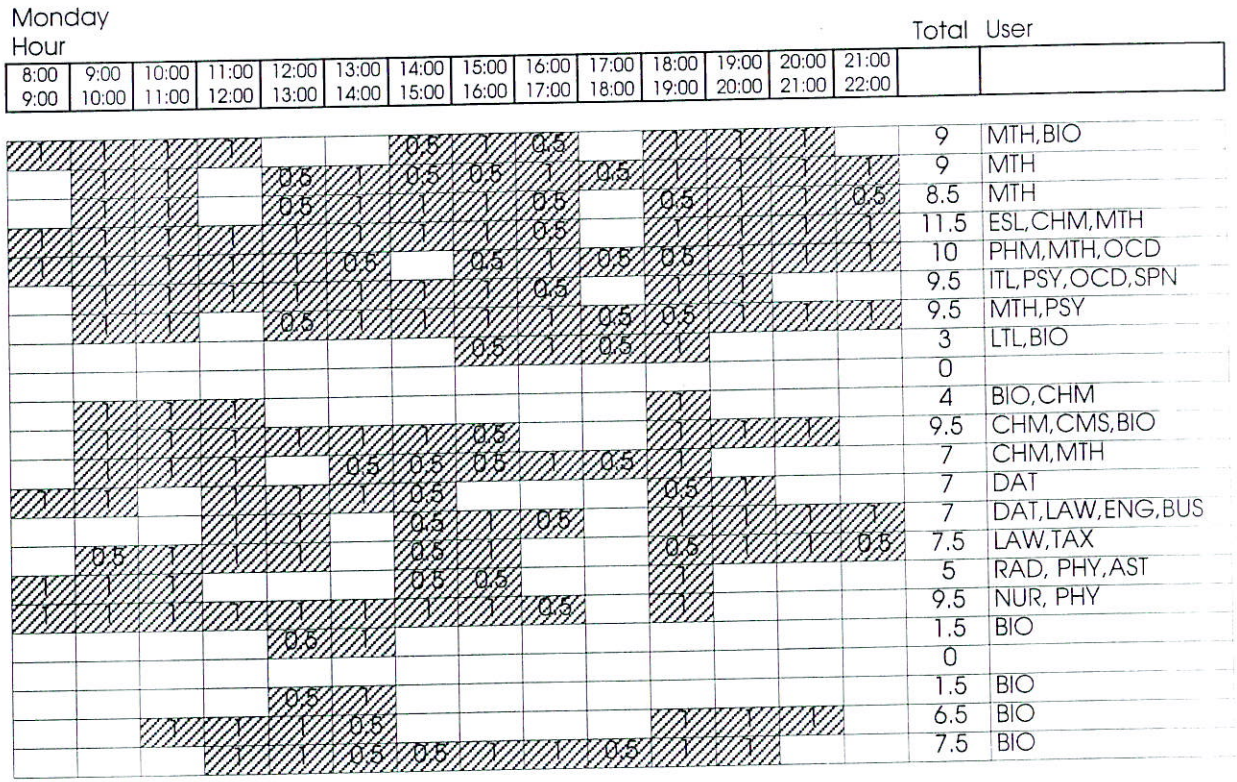
Hour

8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
														10.5	ENG
														9	CMS,RDL,EDU,LTL
														13.5	ENG
														13.5	ENG
														8.5	AST,PHY
														5	PHY
														6.5	PHY
														4	ENG
														0	
														0	
														6.5	MTH
														11	MTH
														11.5	MTH
														3	MTH,CIS
														12.5	OCD
														5.5	HLT
														4	HLT
														10	ACC,DAT
														0	
														0	
														6.5	DAT
														8	LAW,ACC,BUS
														8.5	ACC,BUS
														8	ACC,BUS
														8	BUS,MKT,FIN
														0	
														3.5	CMS,MTH
														5.5	MTH,ESL,RDL
														6.5	LTL,MTH
														3	MTH,ESL
														1	CMT
														10.5	RDL,MTH,CHM

Classroom Scheduling Study

Monday

Building	Rm No	Rm Type
Technology II	204	Classroom
Technology II	205	Classroom
Technology II	206	Classroom
Technology II	224	Classroom
Technology II	225	Classroom
Technology II	226	Classroom
Technology II	227	Classroom
Technology II	331	Classroom
Technology II	404	Classroom
Technology II	604	Classroom
Technology II	704	Classroom
Technology II	804	Classroom
Technology II	G03A	Classroom
Technology II	G03B	Classroom
Technology II	G03C	Classroom
Begrisch Hall	226	Lecture Hall
Begrisch Hall	228	Lecture Hall
Havemeyer Annex	101	Lecture Hall
Nichols Building	104	Lecture Hall
Technology II	SCHW	Lecture Hall
Technology II	228	Lecture Hall
Technology II	332	Lecture Hall



TOTALS	38	61	64	61	59.5	60	50	50.5	41	17	57.5	61.5	43	29.5	687.5
AVERAGE PER ROOM															7.813

Classroom Scheduling Study

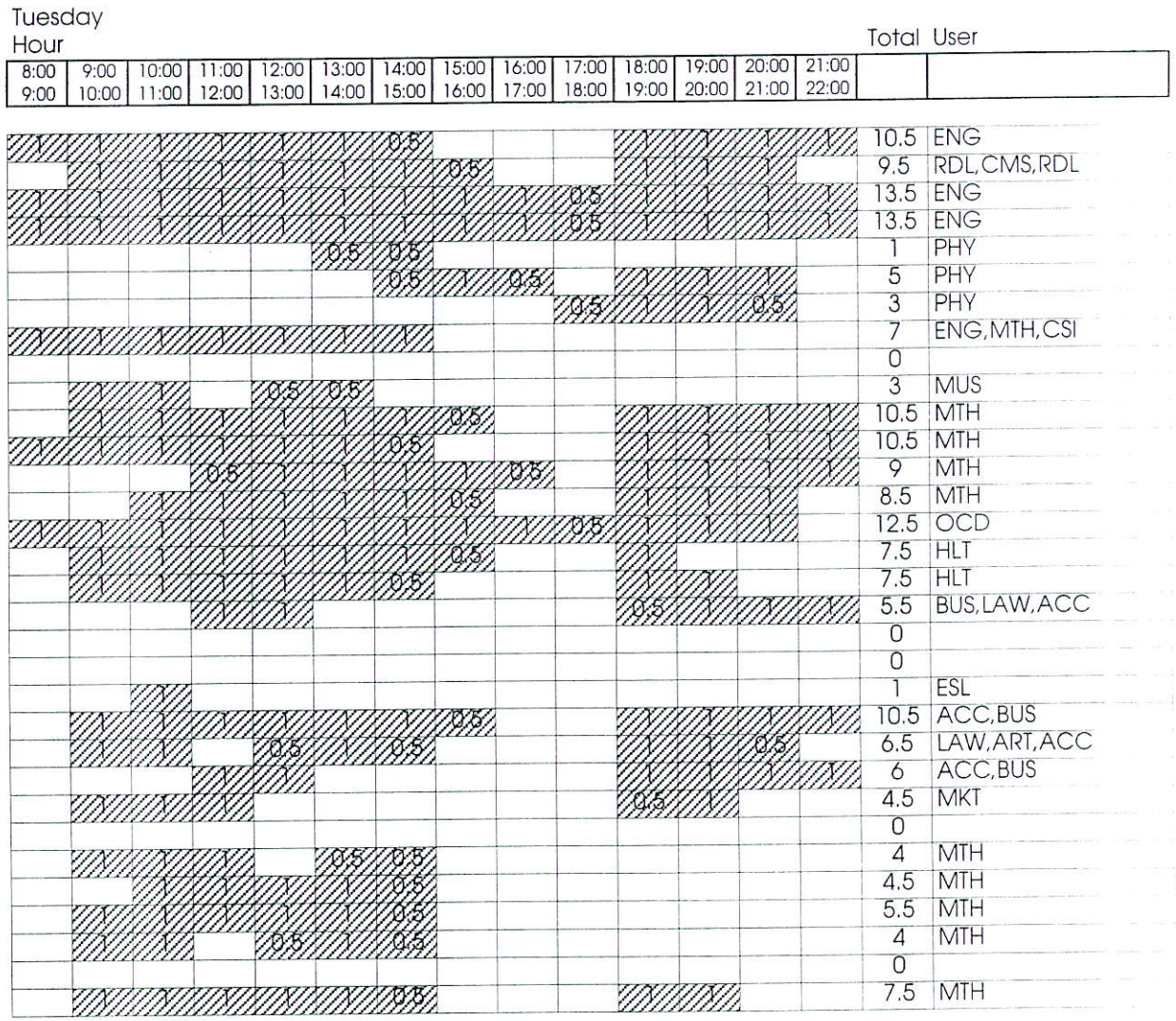
Building	Rm No	Rm Type
Bliss	301	Classroom
Bliss	302	Classroom
Bliss	304	Classroom
Bliss	310B	Classroom
Colston Hall	202	Classroom
Colston Hall	203	Classroom
Colston Hall	211	Classroom
Colston Hall	212	Classroom
Colston Hall	213	Classroom
Colston Hall	214	Classroom
Colston Hall	227	Classroom
Colston Hall	228	Classroom
Colston Hall	243	Classroom
Colston Hall	317	Classroom
Colston Hall	330	Classroom
Colston Hall	331	Classroom
Colston Hall	411	Classroom
Colston Hall	412	Classroom
Colston Hall	413	Classroom
Colston Hall	414	Classroom
Colston Hall	420	Classroom
Colston Hall	421	Classroom
Colston Hall	422	Classroom
Colston Hall	423	Classroom
Colston Hall	436	Classroom
Colston Hall	614	Classroom
Colston Hall	615	Classroom
Colston Hall	616	Classroom
Colston Hall	629	Classroom
Colston Hall	630	Classroom
Colston Hall	712	Classroom
Colston Hall	713	Classroom
Colston Hall	714	Classroom
Colston Hall	715	Classroom

Tuesday

Hour	Total	User
8:00 9:00 / 9:00 10:00 / 10:00 11:00 / 11:00 12:00 / 12:00 13:00 / 13:00 14:00 / 14:00 15:00 / 15:00 16:00 / 16:00 17:00 / 17:00 18:00 / 18:00 19:00 / 19:00 20:00 / 20:00 21:00 / 21:00 22:00		
	2	ESL
	5.5	ART
	3.5	ART
	8.5	
	2	SPN
	9.5	FRN,CMS,BIO
	8.5	CMS,LAN,ENG
	6.5	ENG
	14	HIS,RDL
	11.5	HSC,PSY,CMS,RDL
	13	PSY,EDU
	13	PSY,CMS
	11.5	SPN,HSC
	11.5	HIS
	13	PHL,HIS,PSY,GEO
	13	SOC,HSC
	10	RDL
	9.5	ENG,HSC,ESL
	9	ESL,RDL
	10	RDL
	8.5	ESL
	9.5	PSY,ECO,RDL,SOC
	11.5	ENG,ECO,EDU,RDL
	4	RDL,ESL
	7	EDU,ESL,PHM
	8	ENG
	12.5	ENG
	11.5	ENG,CMS
	10.5	ENG
	14	ENG
	6	CMS,RDL
	9	CMS,ENG
	12	CMS,ENG,EDU
	6.5	CMS,ENG,RDL

Classroom Scheduling Study

Building	Rm No	Rm Type
Colston Hall	722	Classroom
Colston Hall	723	Classroom
Colston Hall	724	Classroom
Colston Hall	725	Classroom
Gould Technology	204	Classroom
Gould Technology	205	Classroom
Gould Technology	206	Classroom
Gould Technology	418	Classroom
Guggenheim	214	Classroom
Guggenheim	333	Classroom
Language Hall	032	Classroom
Language Hall	033	Classroom
Language Hall	036	Classroom
Language Hall	037	Classroom
Loew Residence	200	Classroom
Loew Residence	301	Classroom
Loew Residence	321	Classroom
New Hall	023	Classroom
New Hall	025	Classroom
New Hall	027	Classroom
New Hall	031	Classroom
New Hall	033	Classroom
New Hall	034	Classroom
New Hall	035	Classroom
New Hall	036	Classroom
New Hall	037	Classroom
Philosophy Hall	022	Classroom
Philosophy Hall	023	Classroom
Philosophy Hall	032	Classroom
Philosophy Hall	033	Classroom
Technology II	S07	Classroom
Technology II	203	Classroom



Classroom Scheduling Study

Tuesday

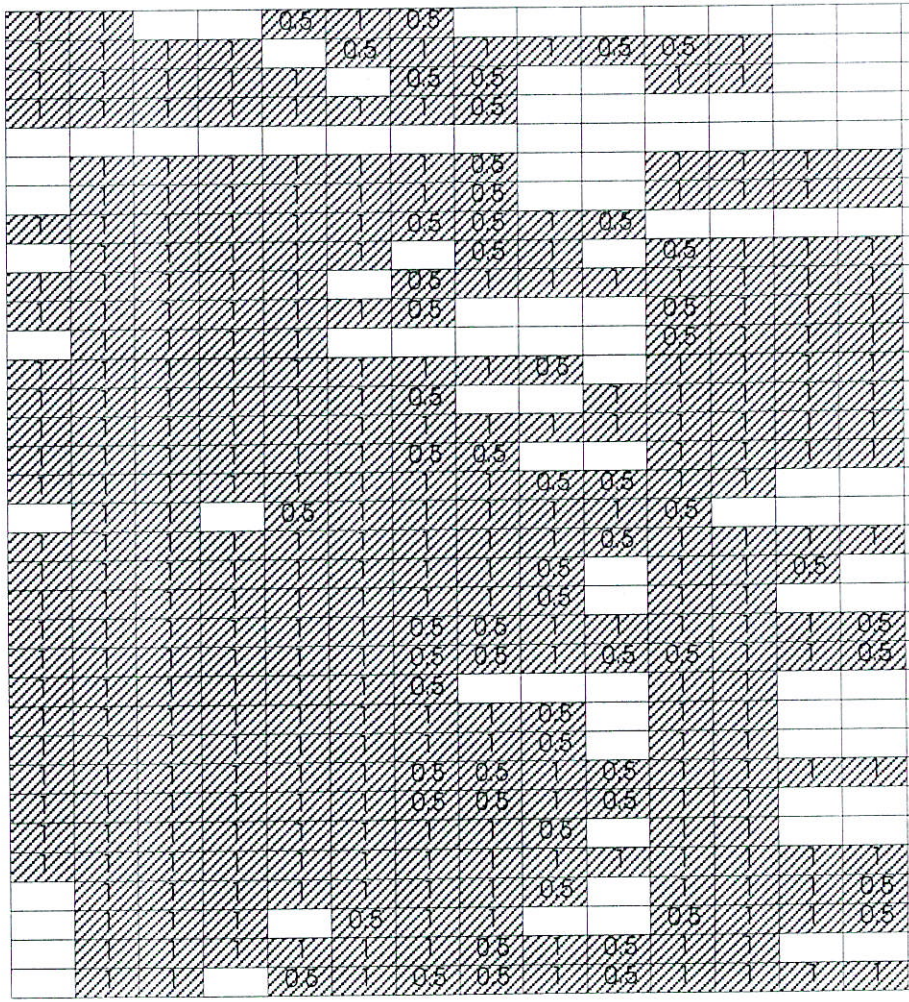
Building	Rm No	Rm Type	Hour 8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Technology II	204	Classroom								0.5			0.5			0.5	9	MTH
Technology II	205	Classroom							0.5								9.5	MTH
Technology II	206	Classroom							0.5				0.5			0.5	7	MTH
Technology II	224	Classroom									0.5						8.5	RDL,SPN,ESL,SEC
Technology II	225	Classroom										0.5	0.5				12	MTH,OCD
Technology II	226	Classroom							0.5								7.5	MTH,SPN
Technology II	227	Classroom								0.5		0.5	0.5				8.5	MTH
Technology II	331	Classroom															4	HSC,CHM
Technology II	404	Classroom															2	BIO
Technology II	604	Classroom							0.5		0.5						9	BIO,CHM,OCD
Technology II	704	Classroom						0.5	0.5								7	CHM
Technology II	804	Classroom						0.5	0.5								4	CHM
Technology II	G03A	Classroom						0.5	0.5			0.5	0.5			0.5	10	DAT,LAW
Technology II	G03B	Classroom						0.5		0.5							8	BUS,LAW,MTH
Technology II	G03C	Classroom		0.5					0.5			0.5	0.5			0.5	9	LAW,FIN
Begrisch Hall	226	Lecture Hall	0.5					0.5	0.5								5.5	HSC, PSY
Begrisch Hall	228	Lecture Hall							0.5		0.5						6	PHM, AST
Havemeyer Annex	101	Lecture Hall					0.5										4.5	BIO
Nichols Building	104	Lecture Hall															0	
Technology II	SCHW	Lecture Hall					0.5										1.5	BIO
Technology II	228	Lecture Hall						0.5	0.5								6	CHM,SPN
Technology II	332	Lecture Hall															6	CMS,BIO
TOTALS			30	55.5	67	66.5	59.5	61	49	32.5	24	15.5	59	60.5	46	33.5	652	
AVERAGE PER ROOM																	7.4	

Classroom Scheduling Study

Building	Rm No	Rm Type
Bliss	301	Classroom
Bliss	302	Classroom
Bliss	304	Classroom
Bliss	310B	Classroom
Colston Hall	202	Classroom
Colston Hall	203	Classroom
Colston Hall	211	Classroom
Colston Hall	212	Classroom
Colston Hall	213	Classroom
Colston Hall	214	Classroom
Colston Hall	227	Classroom
Colston Hall	228	Classroom
Colston Hall	243	Classroom
Colston Hall	317	Classroom
Colston Hall	330	Classroom
Colston Hall	331	Classroom
Colston Hall	411	Classroom
Colston Hall	412	Classroom
Colston Hall	413	Classroom
Colston Hall	414	Classroom
Colston Hall	420	Classroom
Colston Hall	421	Classroom
Colston Hall	422	Classroom
Colston Hall	423	Classroom
Colston Hall	436	Classroom
Colston Hall	614	Classroom
Colston Hall	615	Classroom
Colston Hall	616	Classroom
Colston Hall	629	Classroom
Colston Hall	630	Classroom
Colston Hall	712	Classroom
Colston Hall	713	Classroom
Colston Hall	714	Classroom
Colston Hall	715	Classroom

Wednesday

Hour														Total	User
8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00		
9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		



Total	User
4	ESL,ART
9.5	MTH, ART, PHM
8	ESL,ART,CMS
7.5	SPN,ENG,ART,CMS
0	
9.5	FRN,SPN,RDL
9.5	ESL,LAN
8.5	ENG
10	HIS,RDL
12.5	PSY,OCD,ECO,EDU
10	PSY,POL
7.5	EDU,OCD,PSY
12.5	SPN,ITL,RDL
11.5	HIS,GEO
14	HIS,GEO
11	CMS,PSY,SOC
11	RDL
8	RDL,ESL,LTL,EDU
13.5	RDL,ESLENG
11	RDL
10.5	HSC,ESL
12.5	ENG,SOC,SPN
11.5	RDL,PSY,SOC
8.5	ESL,RDL
10.5	ESL
10.5	ENG
12.5	ENG
10.5	ENG
10.5	ENG
14	ENG
11	CMS,RDLENG,ESL
8.5	CMS
10	CMS
10	CMS,ENG

Classroom Scheduling Study

Wednesday

Building	Rm No	Rm Type
Colston Hall	722	Classroom
Colston Hall	723	Classroom
Colston Hall	724	Classroom
Colston Hall	725	Classroom
Gould Technology	204	Classroom
Gould Technology	205	Classroom
Gould Technology	206	Classroom
Gould Technology	418	Classroom
Guggenheim	214	Classroom
Guggenheim	333	Classroom
Language Hall	032	Classroom
Language Hall	033	Classroom
Language Hall	036	Classroom
Language Hall	037	Classroom
Loew Residence	200	Classroom
Loew Residence	301	Classroom
Loew Residence	321	Classroom
New Hall	023	Classroom
New Hall	025	Classroom
New Hall	027	Classroom
New Hall	031	Classroom
New Hall	033	Classroom
New Hall	034	Classroom
New Hall	035	Classroom
New Hall	036	Classroom
New Hall	037	Classroom
Philosophy Hall	022	Classroom
Philosophy Hall	023	Classroom
Philosophy Hall	032	Classroom
Philosophy Hall	033	Classroom
Technology II	S07	Classroom
Technology II	203	Classroom

Hour

8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
														10.5	ENG
														8	CMS,FIN,RDL,LTL
														13.5	ENG
														13.5	ENG
														4	PHY
														3	PHY
														5	PHY
														8.5	ENG,MTH
														0	
														0	
														11	MTH
														13	MTH
														12	MTH
														9.5	MTH
														10.5	OCD
														8.5	HLT,OCD
														8.5	HLT,OCD
														10.5	ACC,DAT
														0	
														0	
														7	DAT
														7.5	LAW,BUS,ACC
														8.5	ACC,BUS
														8	ACC,BUS
														6.5	BUS,MKT
														0	
														5.5	CMS,MTH
														5.5	MTH
														7.5	LTL,MTH
														5.5	MTH,ESL
														0	CMT
														4	MTH,CHM

Classroom Scheduling Study

Wednesday

Building	Rm No	Rm Type
Technology II	204	Classroom
Technology II	205	Classroom
Technology II	206	Classroom
Technology II	224	Classroom
Technology II	225	Classroom
Technology II	226	Classroom
Technology II	227	Classroom
Technology II	331	Classroom
Technology II	404	Classroom
Technology II	604	Classroom
Technology II	704	Classroom
Technology II	804	Classroom
Technology II	G03A	Classroom
Technology II	G03B	Classroom
Technology II	G03C	Classroom
Begrisch Hall	226	Lecture Hall
Begrisch Hall	228	Lecture Hall
Havemeyer Annex	101	Lecture Hall
Nichols Building	104	Lecture Hall
Technology II	SCHW	Lecture Hall
Technology II	228	Lecture Hall
Technology II	332	Lecture Hall

Hour

8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
														8.5	MTH
														10	MTH
														7.5	MTH
														12.5	ESL,MTH
														11	MTH
														11	ITL,PSY,BIO,SPN
														5.5	MTH
														4.5	SPN
														0	
														8.5	BIO,CHM
														9.5	CMS,OCD,CHM,BIO
														6	CHM,MTH,ENG
														9	ENG,OCD,DAT
														8	LAW,CHM,ENG,BUS
														6.5	LAW,TAX
														8	RAD, AST
														10.5	NUR, PHY
														4.5	BIO
														2	CHM
														1.5	BIO
														10	CHM
														4.5	BIO

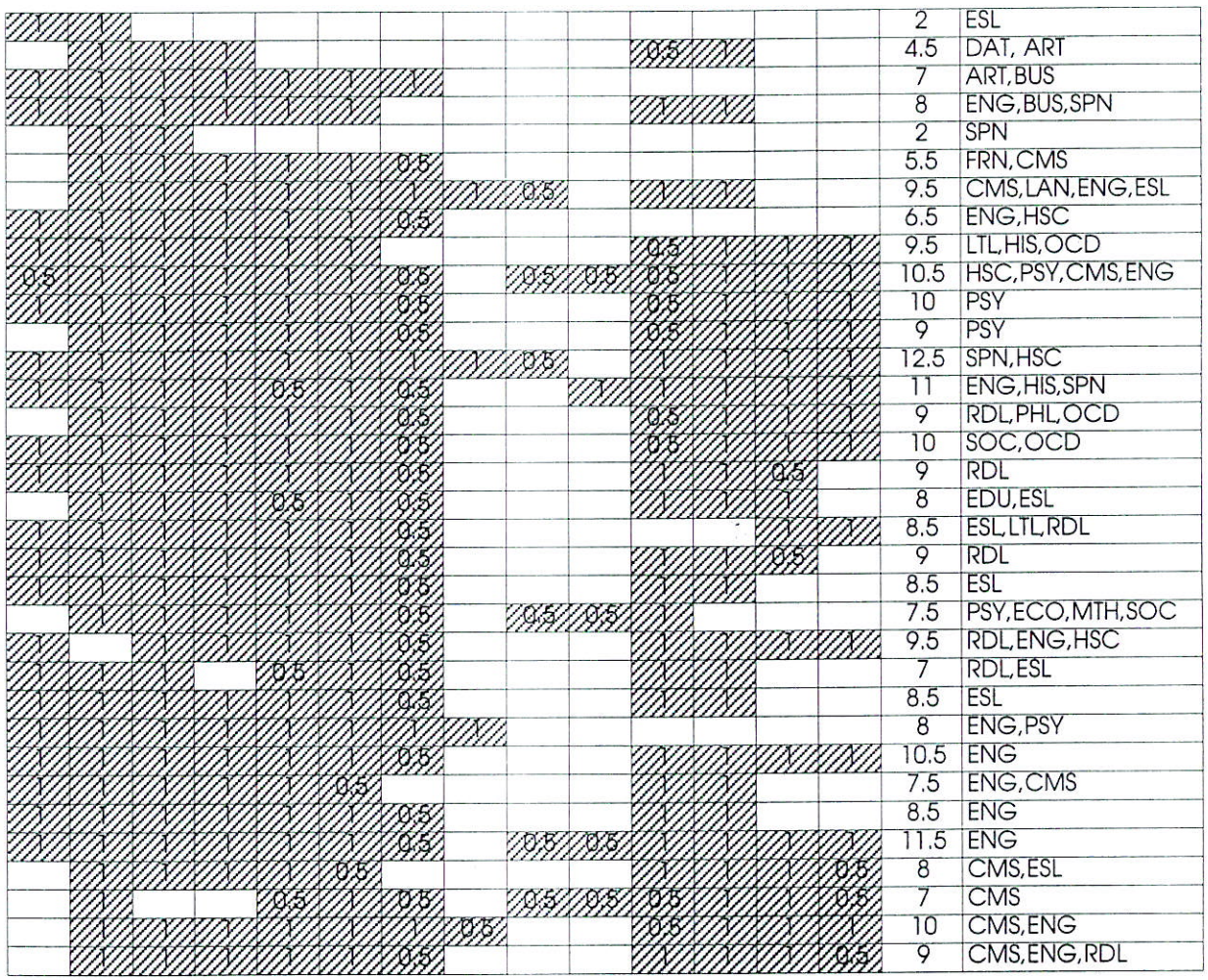
TOTALS	36	64.5	69	66	67	64.5	53	48	38	18	55.5	63	41	30.5	714
AVERAGE PER ROOM															8.114

Classroom Scheduling Study

Thursday

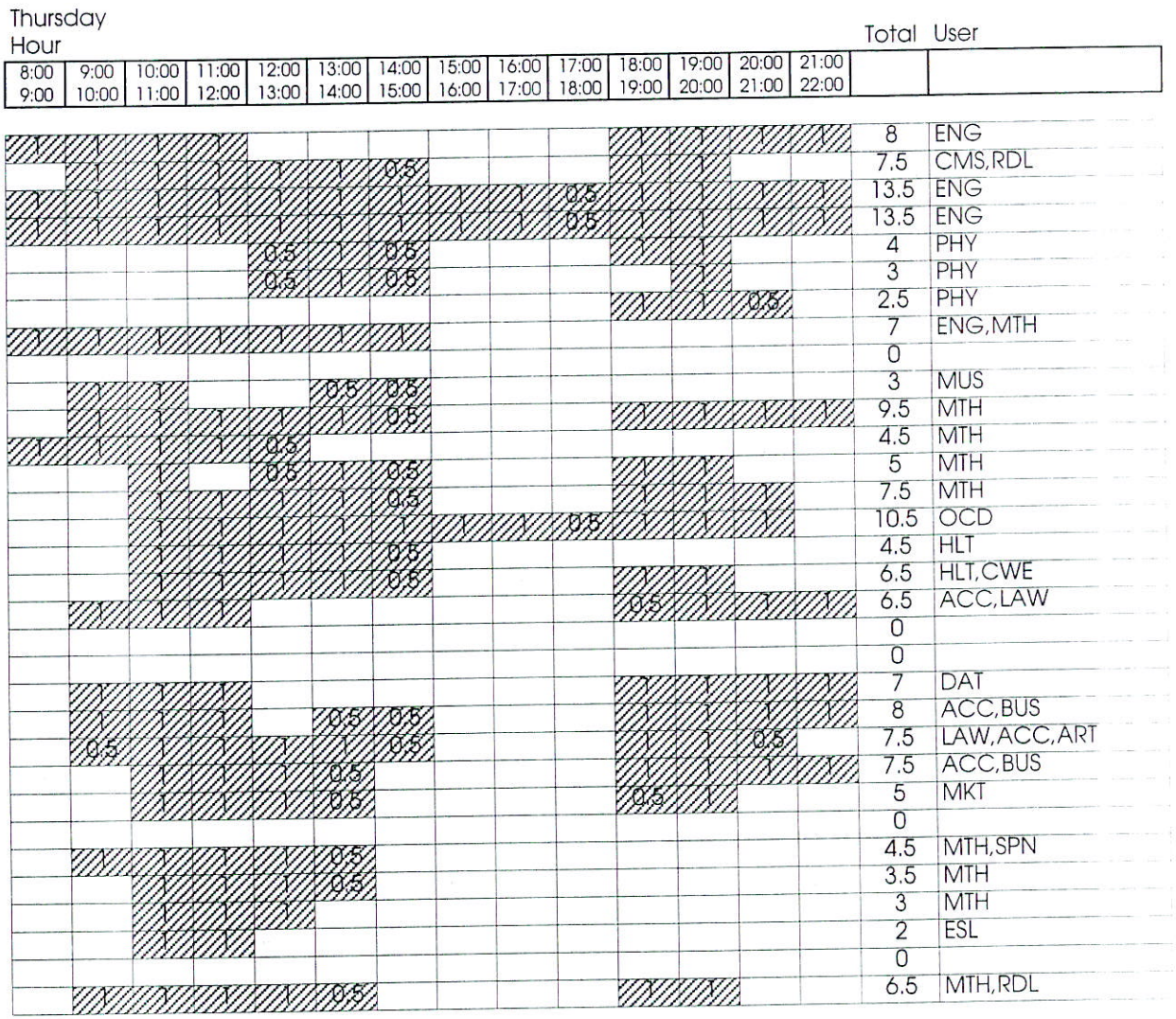
Hour

Building	Rm No	Rm Type
Bliss	301	Classroom
Bliss	302	Classroom
Bliss	304	Classroom
Bliss	310B	Classroom
Colston Hall	202	Classroom
Colston Hall	203	Classroom
Colston Hall	211	Classroom
Colston Hall	212	Classroom
Colston Hall	213	Classroom
Colston Hall	214	Classroom
Colston Hall	227	Classroom
Colston Hall	228	Classroom
Colston Hall	243	Classroom
Colston Hall	317	Classroom
Colston Hall	330	Classroom
Colston Hall	331	Classroom
Colston Hall	411	Classroom
Colston Hall	412	Classroom
Colston Hall	413	Classroom
Colston Hall	414	Classroom
Colston Hall	420	Classroom
Colston Hall	421	Classroom
Colston Hall	422	Classroom
Colston Hall	423	Classroom
Colston Hall	436	Classroom
Colston Hall	614	Classroom
Colston Hall	615	Classroom
Colston Hall	616	Classroom
Colston Hall	629	Classroom
Colston Hall	630	Classroom
Colston Hall	712	Classroom
Colston Hall	713	Classroom
Colston Hall	714	Classroom
Colston Hall	715	Classroom



Classroom Scheduling Study

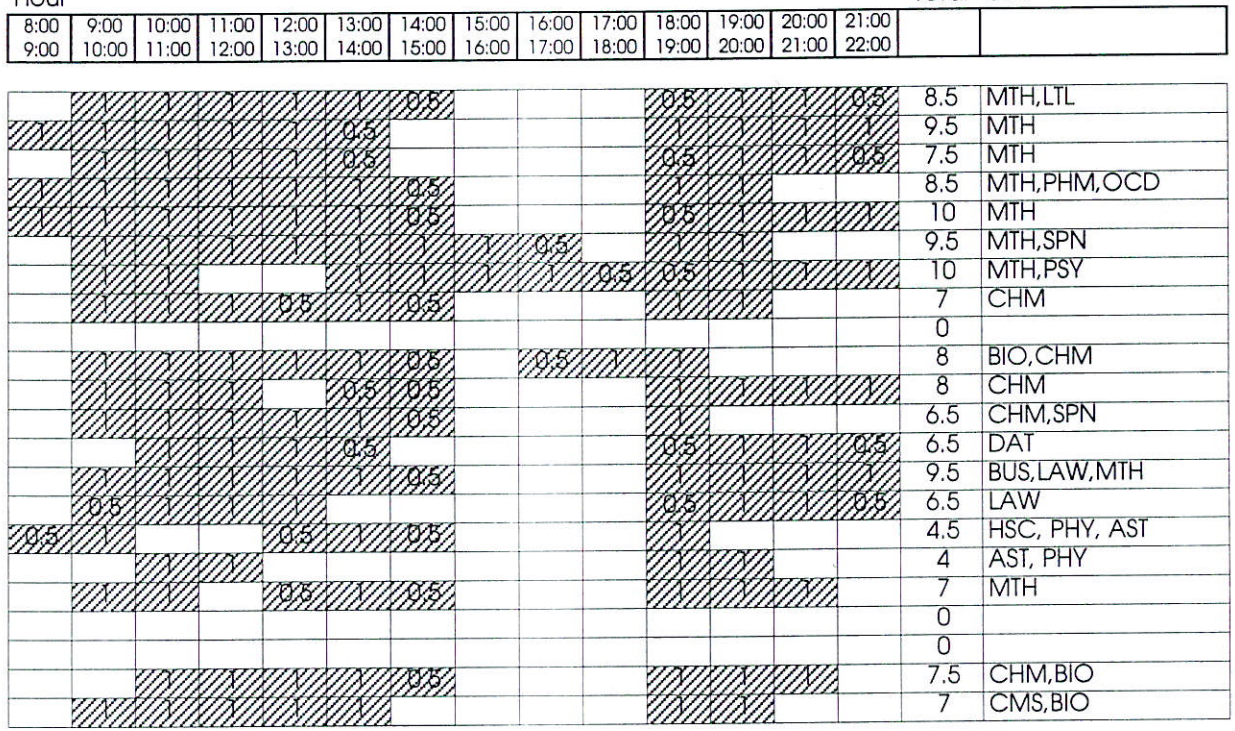
Building	Rm No	Rm Type
Colston Hall	722	Classroom
Colston Hall	723	Classroom
Colston Hall	724	Classroom
Colston Hall	725	Classroom
Gould Technology	204	Classroom
Gould Technology	205	Classroom
Gould Technology	206	Classroom
Gould Technology	418	Classroom
Guggenheim	214	Classroom
Guggenheim	333	Classroom
Language Hall	032	Classroom
Language Hall	033	Classroom
Language Hall	036	Classroom
Language Hall	037	Classroom
Loew Residence	200	Classroom
Loew Residence	301	Classroom
Loew Residence	321	Classroom
New Hall	023	Classroom
New Hall	025	Classroom
New Hall	027	Classroom
New Hall	031	Classroom
New Hall	033	Classroom
New Hall	034	Classroom
New Hall	035	Classroom
New Hall	036	Classroom
New Hall	037	Classroom
Philosophy Hall	022	Classroom
Philosophy Hall	023	Classroom
Philosophy Hall	032	Classroom
Philosophy Hall	033	Classroom
Technology II	S07	Classroom
Technology II	203	Classroom



Classroom Scheduling Study

Building	Rm No	Rm Type
Technology II	204	Classroom
Technology II	205	Classroom
Technology II	206	Classroom
Technology II	224	Classroom
Technology II	225	Classroom
Technology II	226	Classroom
Technology II	227	Classroom
Technology II	331	Classroom
Technology II	404	Classroom
Technology II	604	Classroom
Technology II	704	Classroom
Technology II	804	Classroom
Technology II	G03A	Classroom
Technology II	G03B	Classroom
Technology II	G03C	Classroom
Begrisch Hall	226	Lecture Hall
Begrisch Hall	228	Lecture Hall
Havemeyer Annex	101	Lecture Hall
Nichols Building	104	Lecture Hall
Technology II	SCHW	Lecture Hall
Technology II	228	Lecture Hall
Technology II	332	Lecture Hall

Thursday



TOTALS	30	62	74	68	61.5	61.5	33	8.5	8	6	55.5	61	40	29.5	598.5
AVERAGE PER ROOM															6.801

Classroom Scheduling Study

Building	Rm No	Rm Type
Bliss	301	Classroom
Bliss	302	Classroom
Bliss	304	Classroom
Bliss	310B	Classroom
Colston Hall	202	Classroom
Colston Hall	203	Classroom
Colston Hall	211	Classroom
Colston Hall	212	Classroom
Colston Hall	213	Classroom
Colston Hall	214	Classroom
Colston Hall	227	Classroom
Colston Hall	228	Classroom
Colston Hall	243	Classroom
Colston Hall	317	Classroom
Colston Hall	330	Classroom
Colston Hall	331	Classroom
Colston Hall	411	Classroom
Colston Hall	412	Classroom
Colston Hall	413	Classroom
Colston Hall	414	Classroom
Colston Hall	420	Classroom
Colston Hall	421	Classroom
Colston Hall	422	Classroom
Colston Hall	423	Classroom
Colston Hall	436	Classroom
Colston Hall	614	Classroom
Colston Hall	615	Classroom
Colston Hall	616	Classroom
Colston Hall	629	Classroom
Colston Hall	630	Classroom
Colston Hall	712	Classroom
Colston Hall	713	Classroom
Colston Hall	714	Classroom
Colston Hall	715	Classroom

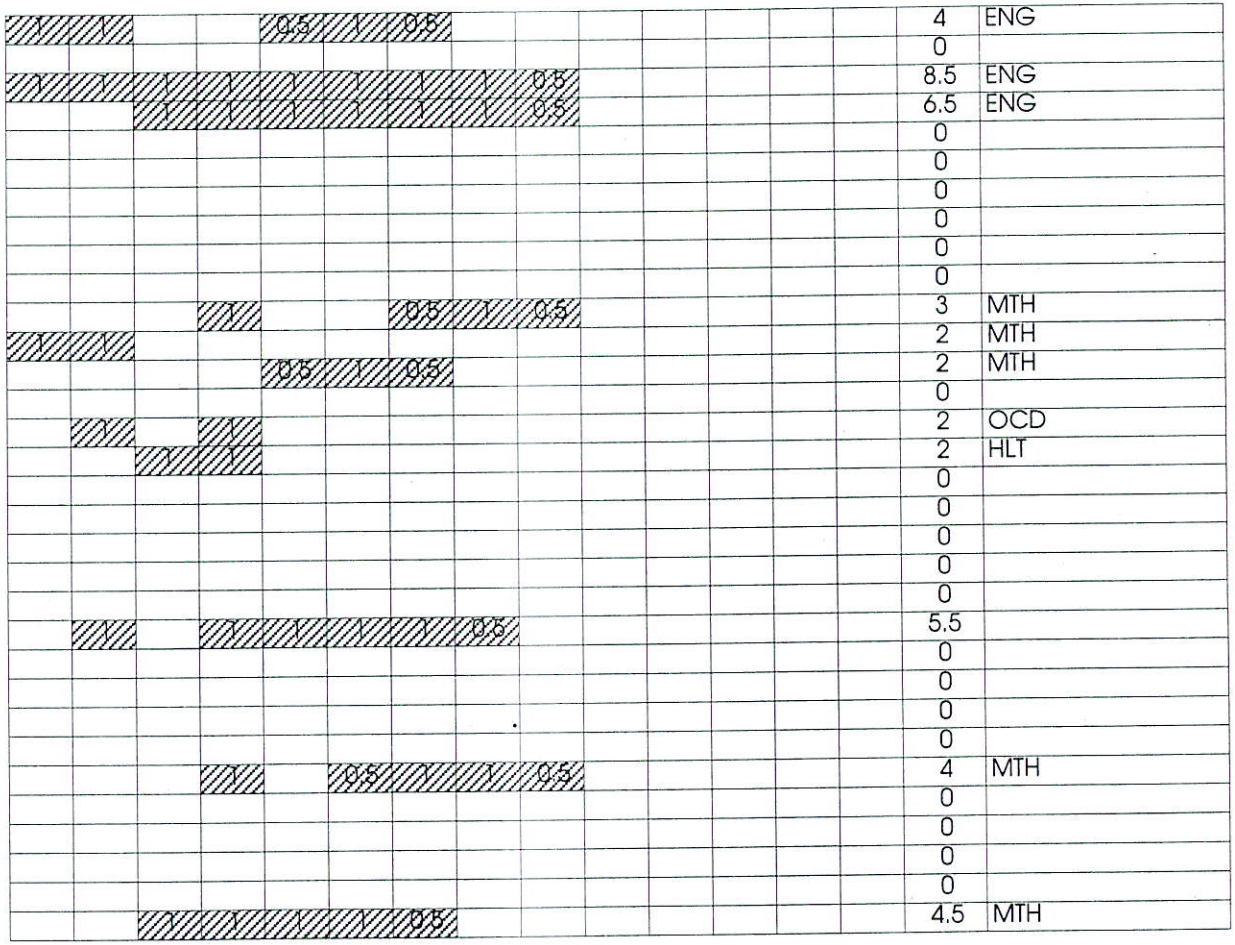
Friday
Hour

8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
														0	
														0	
														0	
														0	
														0	
														0	
														0	
														2	ENG
					0.5				0.5					7	HSC
				0.5		0.5								5	PSY,ENG
														3	HSC
														0	
														0	
						0.5								6.5	HIS
						0.5			0.5					5	PSY
														3	SOC
						0.5								6.5	RDL
					0.5									6.5	CMS
					0.5	0.5								3	ESL
						0.5								6.5	ESL,RDL
														0	
						0.5								5.5	PSY,ECO,MTH,SOC
														0	
														2	RDL
				0.5										3.5	ENG
														5	ENG
				0.5					0.5					4	ENG
						0.5								4.5	ENG
														3	ENG
						0.5			0.5					5	ENG
														2	RDL
														3	CMS
														3	CMS
				0.5		0.5								2	RDL

Classroom Scheduling Study

Building	Rm No	Rm Type
Colston Hall	722	Classroom
Colston Hall	723	Classroom
Colston Hall	724	Classroom
Colston Hall	725	Classroom
Gould Technology	204	Classroom
Gould Technology	205	Classroom
Gould Technology	206	Classroom
Gould Technology	418	Classroom
Guggenheim	214	Classroom
Guggenheim	333	Classroom
Language Hall	032	Classroom
Language Hall	033	Classroom
Language Hall	036	Classroom
Language Hall	037	Classroom
Loew Residence	200	Classroom
Loew Residence	301	Classroom
Loew Residence	321	Classroom
New Hall	023	Classroom
New Hall	025	Classroom
New Hall	027	Classroom
New Hall	031	Classroom
New Hall	033	Classroom
New Hall	034	Classroom
New Hall	035	Classroom
New Hall	036	Classroom
New Hall	037	Classroom
Philosophy Hall	022	Classroom
Philosophy Hall	023	Classroom
Philosophy Hall	032	Classroom
Philosophy Hall	033	Classroom
Technology II	S07	Classroom
Technology II	203	Classroom

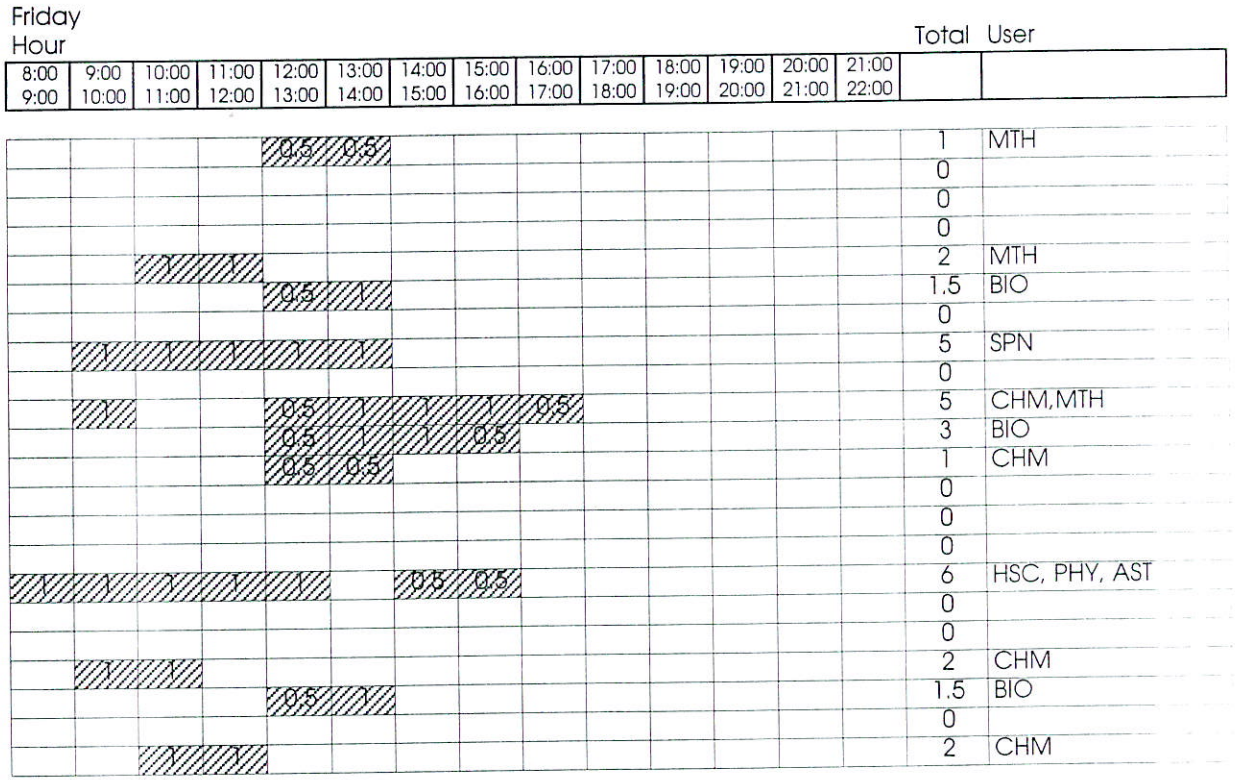
Friday

Hour	Total	User
8:00 9:00 / 9:00 10:00 / 10:00 11:00 / 11:00 12:00 / 12:00 13:00 / 13:00 14:00 / 14:00 15:00 / 15:00 16:00 / 16:00 17:00 / 17:00 18:00 / 18:00 19:00 / 19:00 20:00 / 20:00 21:00		
	4	ENG
	0	
	8.5	ENG
	6.5	ENG
	0	
	0	
	0	
	0	
	0	
	0	
	3	MTH
	2	MTH
	2	MTH
	0	
	2	OCD
	2	HLT
	0	
	0	
	0	
	0	
	0	
	5.5	
	0	
	0	
	0	
	0	
	4	MTH
	0	
	0	
	0	
	0	
	4.5	MTH

Classroom Scheduling Study

Friday

Building	Rm No	Rm Type
Technology II	204	Classroom
Technology II	205	Classroom
Technology II	206	Classroom
Technology II	224	Classroom
Technology II	225	Classroom
Technology II	226	Classroom
Technology II	227	Classroom
Technology II	331	Classroom
Technology II	404	Classroom
Technology II	604	Classroom
Technology II	704	Classroom
Technology II	804	Classroom
Technology II	G03A	Classroom
Technology II	G03B	Classroom
Technology II	G03C	Classroom
Begrisch Hall	226	Lecture Hall
Begrisch Hall	228	Lecture Hall
Havemeyer Annex	101	Lecture Hall
Nichols Building	104	Lecture Hall
Technology II	SCHW	Lecture Hall
Technology II	228	Lecture Hall
Technology II	332	Lecture Hall



TOTALS	10	25	28	31	18	23	17.5	12.5	5.5	0	0	0	0	0	170.5
AVERAGE PER ROOM															1.938

Classroom Scheduling Study

Saturday

Hour

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Bliss	301	Classroom															0	
Bliss	302	Classroom							0.5								5.5	ART
Bliss	304	Classroom															0	
Bliss	310B	Classroom									0.5						8.5	MTH
Colston Hall	202	Classroom															0	
Colston Hall	203	Classroom															4	SPN
Colston Hall	211	Classroom															0	
Colston Hall	212	Classroom															0	
Colston Hall	213	Classroom															4	SPN
Colston Hall	214	Classroom															0	
Colston Hall	227	Classroom															6	PSY
Colston Hall	228	Classroom															0	
Colston Hall	243	Classroom															4	SPN
Colston Hall	317	Classroom					0.5		0.5								5	HIS
Colston Hall	330	Classroom															3	HIS
Colston Hall	331	Classroom					0.5		0.5								5	SOC,OCD
Colston Hall	411	Classroom															0	
Colston Hall	412	Classroom															0	
Colston Hall	413	Classroom					0.5		0.5								5	RDL
Colston Hall	414	Classroom															0	
Colston Hall	420	Classroom															0	
Colston Hall	421	Classroom															0	
Colston Hall	422	Classroom					0.5		0.5								5	RDL
Colston Hall	423	Classroom															0	
Colston Hall	436	Classroom															0	
Colston Hall	614	Classroom															0	
Colston Hall	615	Classroom															4	ENG
Colston Hall	616	Classroom															4	ENG
Colston Hall	629	Classroom															0	
Colston Hall	630	Classroom															0	
Colston Hall	712	Classroom															0	
Colston Hall	713	Classroom								0.5							6.5	CMS
Colston Hall	714	Classroom															2	CMS
Colston Hall	715	Classroom															0	

Classroom Scheduling Study

Saturday

Hour

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00		Total	User
Colston Hall	722	Classroom															0	
Colston Hall	723	Classroom															0	
Colston Hall	724	Classroom															0	
Colston Hall	725	Classroom		1	1	1											3	
Gould Technology	204	Classroom															0	
Gould Technology	205	Classroom															0	
Gould Technology	206	Classroom															0	
Gould Technology	418	Classroom															0	
Guggenheim	214	Classroom															0	
Guggenheim	333	Classroom															0	
Language Hall	032	Classroom															0	
Language Hall	033	Classroom															0	
Language Hall	036	Classroom															0	
Language Hall	037	Classroom															0	
Loew Residence	200	Classroom				1	1	1	0.5								2.5	OCD
Loew Residence	301	Classroom		1	1	1	1	1	0.5								5.5	HLT
Loew Residence	321	Classroom		1	1	1	1	1	0.5								5.5	ACC
New Hall	023	Classroom															0	
New Hall	025	Classroom															0	
New Hall	027	Classroom															0	
New Hall	031	Classroom															0	
New Hall	033	Classroom															0	
New Hall	034	Classroom															0	
New Hall	035	Classroom															0	
New Hall	036	Classroom															0	
New Hall	037	Classroom															0	
Philosophy Hall	022	Classroom															0	
Philosophy Hall	023	Classroom															0	
Philosophy Hall	032	Classroom															0	
Philosophy Hall	033	Classroom															0	
Technology II	S07	Classroom															0	
Technology II	203	Classroom															0	

Classroom Scheduling Study

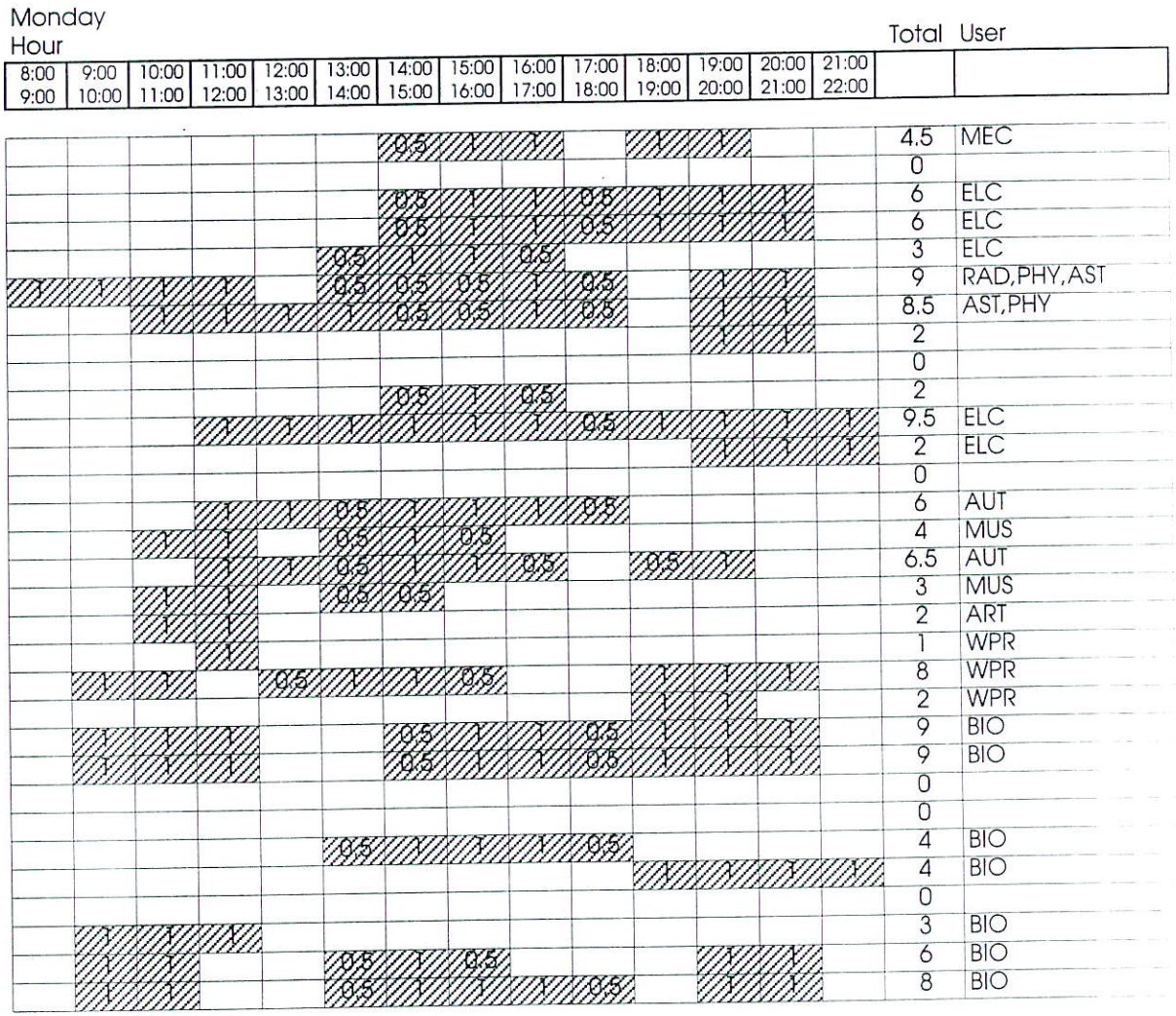
Saturday

Hour

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Technology II	204	Classroom															0	
Technology II	205	Classroom															0	
Technology II	206	Classroom															0	
Technology II	224	Classroom															0	
Technology II	225	Classroom															0	
Technology II	226	Classroom															0	
Technology II	227	Classroom															0	
Technology II	331	Classroom					0.5	1	1	0.5							3	BIO
Technology II	404	Classroom															0	
Technology II	604	Classroom		1	1	1		0.5	1	0.5							5	CHM,BIO
Technology II	704	Classroom		1	1	1	0.5	1	1	0.5							6	CHM,BIO
Technology II	804	Classroom		1	1	1											3	CHM
Technology II	G03A	Classroom					0.5	1	1	0.5							3	LAW
Technology II	G03B	Classroom															0	
Technology II	G03C	Classroom		1	1	1	0.5	1	1	0.5							6	LAW
Begrisch Hall	226	Lecture Hall															0	
Begrisch Hall	228	Lecture Hall															0	
Havemeyer Annex	101	Lecture Hall															0	
Nichols Building	104	Lecture Hall															0	
Technology II	SCHW	Lecture Hall															0	
Technology II	228	Lecture Hall															0	
Technology II	332	Lecture Hall															0	
TOTALS			6	21	22	23	11	15	11.5	4	0.5	0	0	0	0	0	114	
AVERAGE PER ROOM																	1.295	

Laboratory Scheduling Study

Building	Rm No	Rm Type
Bliss	208	Drafting Lab
Bliss	M-1	Ceramics
Gould Technology	103	Electronics Lab
Gould Technology	105	Electronics Lab
Gould Technology	106	Computer Laboratory
Gould Technology	203	Physics Laboratory
Gould Technology	204	Physics Laboratory
Gould Technology	225	Physics Laboratory
Gould Technology	401	Nursing Laboratory
Gould Technology	419	Nursing Laboratory
Gould Technology	B3	CAD Laboratory
Gould Technology	B7	Laboratory
Greenhouse	001	Greenhouse
Guggenheim	103	Air Conditioning Lab
Guggenheim	105	Band/Chorus Room
Guggenheim	107	Automotive Lab
Guggenheim	344	Music Laboratory
New Hall	024	Drawing & Painting
Technology II	302	Computer Laboratory
Technology II	328	Computer Laboratory
Technology II	330	Computer Laboratory
Technology II	401	Anatomy & Physiology
Technology II	402	Anatomy & Physiology
Technology II	403	Histotechnology
Technology II	418	Instrumentation Lab
Technology II	501	Clinical Chemistry Lab
Technology II	516	Hematology Lab
Technology II	517	Urinalysis Lab
Technology II	518	Microbiology Lab
Technology II	601	General Biology
Technology II	603	General Biology



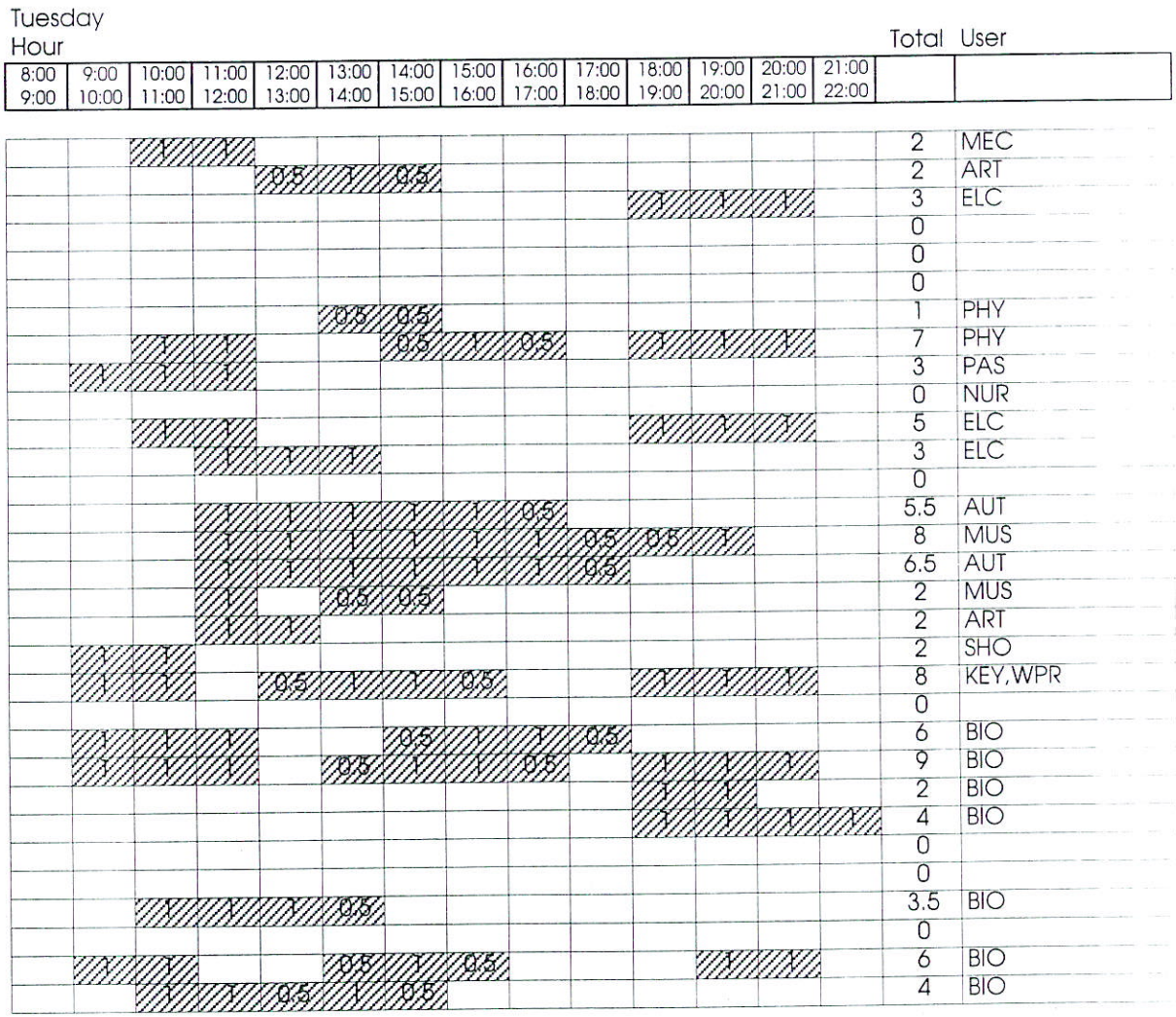
Laboratory Scheduling Study

Monday

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Technology II	703	Organic/Biochemistry		1	1									1	1	1	5	BIO
Technology II	718	Analytical Chemistry Lab						0.5	1	1	0.5			0.5	1	1	5.5	CHM
Technology II	801	General Chemistry		1	1	1	1		0.5	1	1	0.5	1	1	1		10	CHM
Technology II	803	Introductory Chemistry			1	1			0.5	1	1	0.5		1	1		7	CHM
Technology II	G01	Computer Laboratory				1	1										2	ART
Technology II	G16	Computer Laboratory		1	1	1	1	1	0.5				1	1	1	1	9.5	DAT
Technology II	S08B	Engineer's Shop															0	
Technology II	TV	TV Studio															0	
		TOTALS	1	10	15	16	8	9	16	18	15	6	12	21	18	6	167	
		AVERAGE PER ROOM															4.28	

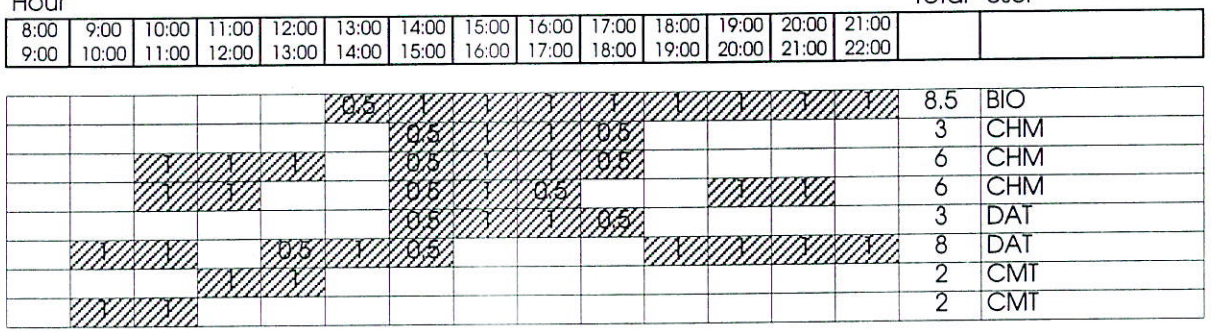
Laboratory Scheduling Study

Building	Rm No	Rm Type
Bliss	208	Drafting Lab
Bliss	M-1	Ceramics
Gould Technology	103	Electronics Lab
Gould Technology	105	Electronics Lab
Gould Technology	106	Computer Laboratory
Gould Technology	203	Physics Laboratory
Gould Technology	204	Physics Laboratory
Gould Technology	225	Physics Laboratory
Gould Technology	401	Nursing Laboratory
Gould Technology	419	Nursing Laboratory
Gould Technology	B3	CAD Laboratory
Gould Technology	B7	Laboratory
Greenhouse	001	Greenhouse
Guggenheim	103	Air Conditioning Lab
Guggenheim	105	Band/Chorus Room
Guggenheim	107	Automotive Lab
Guggenheim	344	Music Laboratory
New Hall	024	Drawing & Painting
Technology II	302	Computer Laboratory
Technology II	328	Computer Laboratory
Technology II	330	Computer Laboratory
Technology II	401	Anatomy & Physiology
Technology II	402	Anatomy & Physiology
Technology II	403	Histotechnology
Technology II	418	Instrumentation Lab
Technology II	501	Clinical Chemistry Lab
Technology II	516	Hematology Lab
Technology II	517	Urinalysis Lab
Technology II	518	Microbiology Lab
Technology II	601	General Biology
Technology II	603	General Biology



Laboratory Scheduling Study

Tuesday



Building	Rm No	Rm Type
Technology II	703	Organic/Biochemistry
Technology II	718	Analytical Chemistry Lab
Technology II	801	General Chemistry
Technology II	803	Introductory Chemistry
Technology II	G01	Computer Laboratory
Technology II	G16	Computer Laboratory
Technology II	S08B	Engineer's Shop
Technology II	TV	TV Studio

TOTALS	0	8	15	17	10	11	13	12	9	4	10	12	10	3	133
AVERAGE PER ROOM															3.41

Laboratory Scheduling Study

Building	Rm No	Rm Type
Bliss	208	Drafting Lab
Bliss	M-1	Ceramics
Gould Technology	103	Electronics Lab
Gould Technology	105	Electronics Lab
Gould Technology	106	Computer Laboratory
Gould Technology	203	Physics Laboratory
Gould Technology	204	Physics Laboratory
Gould Technology	225	Physics Laboratory
Gould Technology	401	Nursing Laboratory
Gould Technology	419	Nursing Laboratory
Gould Technology	B3	CAD Laboratory
Gould Technology	B7	Laboratory
Greenhouse	001	Greenhouse
Guggenheim	103	Air Conditioning Lab
Guggenheim	105	Band/Chorus Room
Guggenheim	107	Automotive Lab
Guggenheim	344	Music Laboratory
New Hall	024	Drawing & Painting
Technology II	302	Computer Laboratory
Technology II	328	Computer Laboratory
Technology II	330	Computer Laboratory
Technology II	401	Anatomy & Physiology
Technology II	402	Anatomy & Physiology
Technology II	403	Histotechnology
Technology II	418	Instrumentation Lab
Technology II	501	Clinical Chemistry Lab
Technology II	516	Hematology Lab
Technology II	517	Urinalysis Lab
Technology II	518	Microbiology Lab
Technology II	601	General Biology
Technology II	603	General Biology

Wednesday

Hour

8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
		1	1	1	1	1	1	1		1	1			9	ART, MEC
														0	
						0.5	1	1	0.5	1	1	1		6	ELC
														0	
										1	1	1		3	ELC
1	1	1	1		0.5	1	1	0.5						7	RAD,PHY
				0.5	1	0.5					1	1		4	PHY
		1	1			0.5	1	1	0.5	1	1			7	PHY
														0	
		1	1											2	
			1	1	1	1	1	1	0.5	1	1	1		9.5	ELC
						0.5	1	1	0.5	1	1	1		6	ELC
														0	
			1	1	1	1	1	1	0.5					6.5	AUT
				0.5	1	1	1	0.5		0.5	1			5.5	MUS
			1	1	1									4	AUT
		1	1		0.5	0.5								3	MUS
		1	1											2	ART
			1	1										2	WPR
	1	1			0.5	1	1	0.5		1	1	1		8	KEY,WPR
										1	1			2	WPR
	1	1	1			0.5	1	1	0.5	1	1	1		9	BIO
						0.5	1	1	0.5	1	1	1		6	BIO
														0	
														0	
					0.5	1	0.5							2	BIO
										1	1			2	BIO
														0	
	1	1	1											3	BIO
	1	1			0.5	1	0.5				1	1		6	BIO
	1	1			0.5	1	1	1	0.5		1	1		8	BIO

Laboratory Scheduling Study

Wednesday

Hour

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Technology II	703	Organic/Biochemistry															0	
Technology II	718	Analytical Chemistry Lab						0.5	1	1	0.5			0.5	1	1	5.5	CHM
Technology II	801	General Chemistry		1	1	1	1						1	1	1		7	CHM
Technology II	803	Introductory Chemistry			1	1							1	1	1		5	CHM
Technology II	G01	Computer Laboratory				1	1										2	ART
Technology II	G16	Computer Laboratory		1	1	1	1	1	0.5				1	1	1	1	9.5	DAT
Technology II	S08B	Engineer's Shop															0	
Technology II	TV	TV Studio															0	
		TOTALS	1	8	14	16	9	11	15	14	11	4	15	19	14	2	152	
		AVERAGE PER ROOM															3.88	

Laboratory Scheduling Study

Building	Rm No	Rm Type
Bliss	208	Drafting Lab
Bliss	M-1	Ceramics
Gould Technology	103	Electronics Lab
Gould Technology	105	Electronics Lab
Gould Technology	106	Computer Laboratory
Gould Technology	203	Physics Laboratory
Gould Technology	204	Physics Laboratory
Gould Technology	225	Physics Laboratory
Gould Technology	401	Nursing Laboratory
Gould Technology	419	Nursing Laboratory
Gould Technology	B3	CAD Laboratory
Gould Technology	B7	Laboratory
Greenhouse	001	Greenhouse
Guggenheim	103	Air Conditioning Lab
Guggenheim	105	Band/Chorus Room
Guggenheim	107	Automotive Lab
Guggenheim	344	Music Laboratory
New Hall	024	Drawing & Painting
Technology II	302	Computer Laboratory
Technology II	328	Computer Laboratory
Technology II	330	Computer Laboratory
Technology II	401	Anatomy & Physiology
Technology II	402	Anatomy & Physiology
Technology II	403	Histotechnology
Technology II	418	Instrumentation Lab
Technology II	501	Clinical Chemistry Lab
Technology II	516	Hematology Lab
Technology II	517	Urinalysis Lab
Technology II	518	Microbiology Lab
Technology II	601	General Biology
Technology II	603	General Biology

Thursday
Hour

8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
	1	1												2	MEC
				0.5	1	0.5								2	ART
										1	1	1		3	ELC
			1	1	1					1	1	1		6	ELC
										1	1	1		3	ELC
										1	1			2	PHY
				0.5		0.5				1	1			3	PHY
				0.5	1	0.5					1	1		4	PHY
														0	
		1	1											2	NUR
		1	1	1	1									4	ELC
														0	
														0	
			1	1	1	0.5								3.5	AUT
			1		0.5	0.5				0.5	1			3.5	MUS
			1	1	1	0.5								3.5	AUT
			1		0.5	0.5								2	MUS
			1	1										2	Art
	1	1												2	SHO
	1	1	1	1	1	0.5								5.5	WPR,COM
														0	
1	1	1	1	1	1	0.5				1	1	1	1	9.5	BIO
1	1	1								1	1	1		6	BIO
														0	
										1	1	1		3	
														0	
														0	
														0	
	1	1	1											3	BIO
1	1			0.5	1	0.5				1	1			6	BIO
		1	1	0.5	1	0.5								4	BIO

Laboratory Scheduling Study

Thursday

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Technology II	703	Organic/Biochemistry				0.5	1	1					1	1	1	1	6.5	BIO
Technology II	718	Analytical Chemistry Lab			1	1	1										3	CHM
Technology II	801	General Chemistry											1	1	1		3	CHM
Technology II	803	Introductory Chemistry			1	1	1	1	0.5					1	1		6.5	CHM
Technology II	G01	Computer Laboratory											1	1	1		3	DAT
Technology II	G16	Computer Laboratory			1			0.5	0.5				1	1	1		5	DAT
Technology II	S08B	Engineer's Shop				1	1										2	CMT
Technology II	TV	TV Studio		1													1	CMT
		TOTALS	3	8	12	16	14	14	7	0	0	0	14	16	12	1	115	
		AVERAGE PER ROOM															2.94	

Laboratory Scheduling Study

Building	Rm No	Rm Type
Bliss	208	Drafting Lab
Bliss	M-1	Ceramics
Gould Technology	103	Electronics Lab
Gould Technology	105	Electronics Lab
Gould Technology	106	Computer Laboratory
Gould Technology	203	Physics Laboratory
Gould Technology	204	Physics Laboratory
Gould Technology	225	Physics Laboratory
Gould Technology	401	Nursing Laboratory
Gould Technology	419	Nursing Laboratory
Gould Technology	B3	CAD Laboratory
Gould Technology	B7	Laboratory
Greenhouse	001	Greenhouse
Guggenheim	103	Air Conditioning Lab
Guggenheim	105	Band/Chorus Room
Guggenheim	107	Automotive Lab
Guggenheim	344	Music Laboratory
New Hall	024	Drawing & Painting
Technology II	302	Computer Laboratory
Technology II	328	Computer Laboratory
Technology II	330	Computer Laboratory
Technology II	401	Anatomy & Physiology
Technology II	402	Anatomy & Physiology
Technology II	403	Histotechnology
Technology II	418	Instrumentation Lab
Technology II	501	Clinical Chemistry Lab
Technology II	516	Hematology Lab
Technology II	517	Urinalysis Lab
Technology II	518	Microbiology Lab
Technology II	601	General Biology
Technology II	603	General Biology

Friday

Hour	Total	User
8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 / 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00		
	4.5	ART
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	2	NUR
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	3	BIO
	3	BIO
	0	
	0	
	0	
	0	
	0	
	0	
	0	
	0	

Laboratory Scheduling Study

Friday

Building	Rm No	Rm Type	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	Total	User
Technology II	703	Organic/Biochemistry															0	
Technology II	718	Analytical Chemistry Lab		1	1	1	0.5	1	1	0.5							6	CHM
Technology II	801	General Chemistry			1	1	1										3	CHM
Technology II	803	Introductory Chemistry						0.5	1	0.5							2	CHM
Technology II	G01	Computer Laboratory						0.5	1	1	1	0.5					4	CMT
Technology II	G16	Computer Laboratory															0	
Technology II	S08B	Engineer's Shop															0	
Technology II	TV	TV Studio		1	1	1											3	CMT
	TOTALS		0	4	7	7	3	3	4	2	1	1	0	0	0	0	31	
	AVERAGE PER ROOM																0.78	

BRONX COMMUNITY COLLEGE
MASTER PLAN AMENDMENT

Summary of Costs to Correct Deficient Conditions in Existing Facilities

	Existing Deficiencies	Anticipated Program Replacements of Physical Systems					
YEAR	1996	2003	2008	2013	2018	2023	TOTAL
Altshul House	$797,143	$117,105	$4,461	$5,560	$43,088	$56,981	$1,024,338
Alumni Gymnasium	$2,580,706	$175,169	$605,450	$499,083	$1,403,218	$17,652	$5,281,278
Begrisch Hall	$667,313	$31,769	$58,435	$95,407	$0	$44,309	$897,233
Bliss Hall	$1,234,675	$102,271	$295,277	$128,631	$0	$26,479	$1,787,333
Butler Hall	$1,001,475	$35,500	$81,728	$120,003	$258,679	$327,655	$1,825,040
Colston Hall	$1,061,650	$372,140	$1,352,011	$99,420	$13,956	$223,150	$3,122,327
Community Hall	$1,841,419	$113,567	$433,119	$297,668	$554,352	$26,479	$3,266,604
Computer Center	$700,189	$107,597	$1,600	$132,545	$171,806	$70,612	$1,184,349
Energy Plant	$412,498	$18,604	$96,580	$269,150	$0	$54,139	$850,971
Gould Memorial Library	$5,745,131	$0	$1,149,983	$152,235	$821,245	$2,423,939	$10,292,533
Gould Residence	$1,312,849	$217,644	$291,404	$5,023	$29,430	$406,201	$2,262,551
Gould Student Center	$3,403,411	$56,812	$607,938	$94,543	$770,538	$0	$4,933,242
Gould Student Center Annex	$749,806	$140,820	$294,626	$275,933	$12,187	$0	$1,473,372
Gould Technology I	$2,688,879	$338,710	$183,886	$378,602	$1,181,793	$290,792	$5,062,662
Greenhouse	$58,864	$0	$0	$0	$967	$394	$60,225
Guggenheim Hall	$1,164,940	$143,980	$173,992	$328,562	$263,533	$13,518	$2,088,525
Hall of Fame	$1,791,982	$0	$0	$0	$56,014	$1,170,572	$3,018,568
Havemeyer Annex	$543,463	$124,085	$0	$100,801	$87,606	$8,626	$864,581
Havemeyer Hall	$1,030,115	$191,401	$180,453	$12,074	$218,919	$63,932	$1,696,894
Language Hall	$1,058,621	$164,543	$323,367	$106,216	$571,877	$46,947	$2,271,571
Loew Residence	$1,940,598	$129,762	$4,670	$47,024	$153,178	$518,869	$2,794,101
Mac Cracken Hall	$1,204,613	$3,540	$28,680	$121,033	$268,317	$17,502	$1,643,685
Meister Hall	$3,341,234	$712,803	$1,387,508	$25,632	$2,018,291	$330,590	$7,816,058
New Hall	$1,211,836	$188,851	$182,300	$69,995	$598,701	$117,406	$2,369,089
Nichols Hall	$1,692,919	$90,884	$107,486	$44,466	$288,466	$273,544	$2,497,765
Philosophy Hall	$1,322,043	$154,710	$304,234	$155,341	$540,700	$51,358	$2,528,386
Sage Annex	$266,310	$50,344	$11,402	$0	$125,436	$33,990	$487,482
Sage Hall	$722,360	$191,196	$96,651	$64,145	$92,780	$201,942	$1,369,074
Snow Hall	$644,184	$0	$91,990	$91,425	$322,050	$31,783	$1,181,432
South Hall	$1,167,884	$103,420	$115,720	$142,302	$75,971	$0	$1,605,297
System Science	$201,318	$46,922	$0	$0	$47,066	$0	$295,306
Building Total	**$43,560,428**	**$4,124,149**	**$8,464,951**	**$3,862,819**	**$10,990,164**	**$6,849,361**	**$77,851,872**
Site Development	$6,618,901	$331,081	$578,222	$116,978	$222,657	$380,899	
TOTAL	**$50,179,329**	**$4,455,230**	**$9,043,173**	**$3,979,797**	**$11,212,821**	**$7,230,260**	**$77,851,872**

Note: 1. These costs represent dollars required to maintain the facilities for their current utilization
2. All costs are in 1996 dollars