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Complex Complex Complex

GREENVILLE COLISEUM COMPLEX

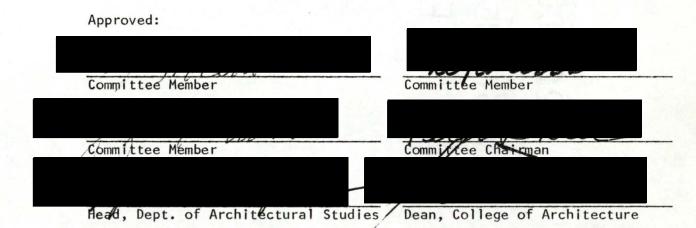
By

Michael Joseph Murray

A terminal project submitted to the faculty of the College of Architecture, Clemson University in partial fulfillment of the requirements for the degree of

Master of Architecture

May 1981



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To my parents, for without them this would not have been possible.

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To Sherry, for her neverending love and

understanding.

The author wishes to express sincere thanks to the following people for their help and encouragement without which this terminal project would not have been possible:

To the members of my committee, Peter Lee, Fritz Roth, Don Collins and Yuji Kishimoto.

To John Dullea and Ken Betsch for their help in the early stages of the project.

Special thanks to John Coleman, Robert Coker, Bo Sellers and Amy Spitzmiller for their help in producing this project.

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INTRODUCTION

"The Greenville Auditorium Board is considering the construction of a 20,000 seat coliseum in Greenville County to provide better access to major entertainment events for the people of Greenville and a place for large attendance gatherings in the county."¹

The present Greenville Auditorium is no longer competitive with newer and larger facilities in the region. "The Greenville Memorial Auditorium reached its capacity in providing arena events in Greenville in the 1971/1972 fiscal year when 414 events were held."² It is projected that a 20,000 seat coliseum would reach its capacity by 1992 due to the rapid economic growth in the area.

Office space of 200,000 square feet is also being considered as a part of the coliseum complex. Currently Greenville County has an occupancy rate of ninety-three percent for leasable office space. Part of this office space could be used by the city and county government.

Greenvile:

K1018IH

HISTORY

The territory of Greenville County was acquired from the Cherokee Nation by the State of South Carolina in 1767. The first permanent settlement on the site of the present city of Greenville was established by Richard Pearis in 1776. Following the end of the American Revolutionary War, migrants from the Northern states and populous areas along the coast began to settle in the county. Greenville County was created by the General Assembly in 1776, and in 1797 the county seat was laid out and called Pleasantburg. The name was changed to Greenville in 1812 and the town was charted by the State in 1831.

The early economy of Greenville County centered around agriculture, with the trade and service sectors playing significant roles. After the Civil War, the textile industry began to replace agriculture as the dominate segment of the economy, and by 1930 Greenville was known as the "Textile Center of the South." With the introduction of the new industries following World War II, the economy became more diversified and less dependent on textiles for its vitality. The economic growth of the Greenville area has led to substantial increases in population.

CIEmate

Greenville County has a relatively mild climate, with moderately cold winters and warm, but not oppressively hot summers.

Climate Data:*

Average annual rainfall	52.42 in.
Average temperature	61.0 deg.
Average January minimum	21.1 deg.
Average July maximum	92.4 deg.
No. of days with 90 deg. or above	31 days
No. of days with 32 deg. or below	68 days
Latitude	34 54 N.
Longitude	82 13 W.
Altitude	952 ft.

*Greenville Market Data, Greater Greenville Chamber of Commerce, South Carolina, p. 34.

Month	Temp.	Rain	Wind Sp.	Wind Dir.
January	30.7	3.53	7.3	SW
February	42.4	2.00	7.8	SW
March	54.5	8.47	7.7	SW
April	62.4	3.23	6.9	W
Мау	71.5	2.71	5.8	SW
June	77.5	2.88	6.3	N
July	81.9	0.80	5.8	N
August	78.7	4.99	5.3	N
September	74.4	9.44	5.2	NW
October	59.9	6.39	7.0	SW
November	54.8	4.43	7.0	SW
December	42.8	3.55	6.8	SW
Annual Average	61.0°	52.42"	6.6 mph	SW

Monthly Norms*

*Greenville Market Data, Greater Greenville Chamber of Commerce, Greenville, South Carolina.

Normal Degree-Days by Month*

January	673
February	552
March	442
April	161
May	32
June	0
July	0
August	0
September	10
October	131
November	411
December	648
Total	3,060

*The Passive Solar Energy Book, Edward Mazria, Rodale Press, Emmaus, Pa., 1979, pp. 390-391.

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POPULATION

Greenville County currently ranks 151 out of 3,143 counties in the United States in terms of population size. The current population is estimated to be 286,000 persons. The Greenville Metropolitan area, consisting of Greenville, Spartanburg and Pickens Counties, has an estimated population of 560,000 persons and is ranked seventy-third largest in the United States and fourth largest in the Carolinas and Georgia. Greenville County is also the economic activity center for a larger eleven-county area.

The population of Greenville County has been growing at a rate of approximately 2.5 percent per year, twice the rate of population gain in the United States.

	Population Trend	s Greenville A	rea 1950-1979*	
Year	City	County	SMSA**	<u>GEA***</u>
1979	62,000	283,000	587,532	958,000
1970	61,208	240,774	473,454	817,923
1960	66,188	209,776	414,277	741,305
1950	58,161	168,152	358,559	677,284

*Greenville South, Greater Greenville Chamber of Commerce, Greenville, S.C. **Standard Metropolitan Statistical Area ***Greenville Economic Area The population of Greenville County is expected to continue to grow at a rate of 2.5 percent per year in the future, increasing sixty-four percent from 1976-2000. The compatable increase in the United States population is expected to be only twenty-one percent.

	Population Projectio	ons*
Year	Greenville County (000)	United States (million)
1979	240.8	203.2
1976	267.4	215.1
1980	290.6	222.2
1985	342.9	232.9
1990	385.6	242.5
1995	422.8	252.8
2000	440.9	260.4

*Greenville South, Greater Greenville Chamber of Commerce, Greenville, S.C.

Greenville County has a relatively young population in relation to other parts of the United States, with only eight percent of the population

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of the county being over sixty-four years of age compared to eleven percent for the nation. Likewise, thirty-six percent of the population is under twenty years of age while only thirty-four percent of the nation's population is under twenty years of age.

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TRANSPORTATION

Rail

Greenville is served by both the major railroads operating in the Southeast: Seaboard Coast Line and Southern Railway, and also one short line: Greenville and Northern.

Air

Greenville-Spartanburg Airport, located twelve miles northeast of the city of Greenville has two commercial passenger air carriers: Eastern and Republic.

Also serving Greenville is the Downtown Airport which is used for business, training and pleasure flights.

Bus

The city is served by two inter-city bus lines: Greyhound and Continental Trailways. Public bus service within the metrao area is provided by the Greenville Transit Authority.

Car

Four major U.S. highways pass through Greenville with Interstate 85 giving direct access to Atlanta and Washington.

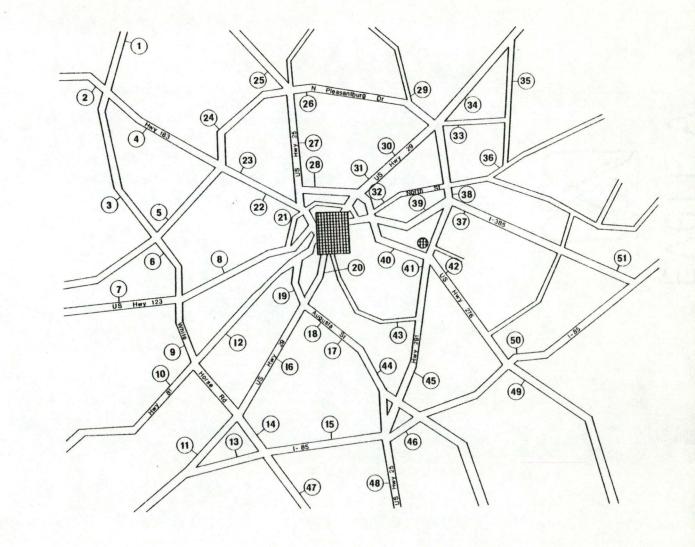
The map on the following page shows the traffic volumes for metro

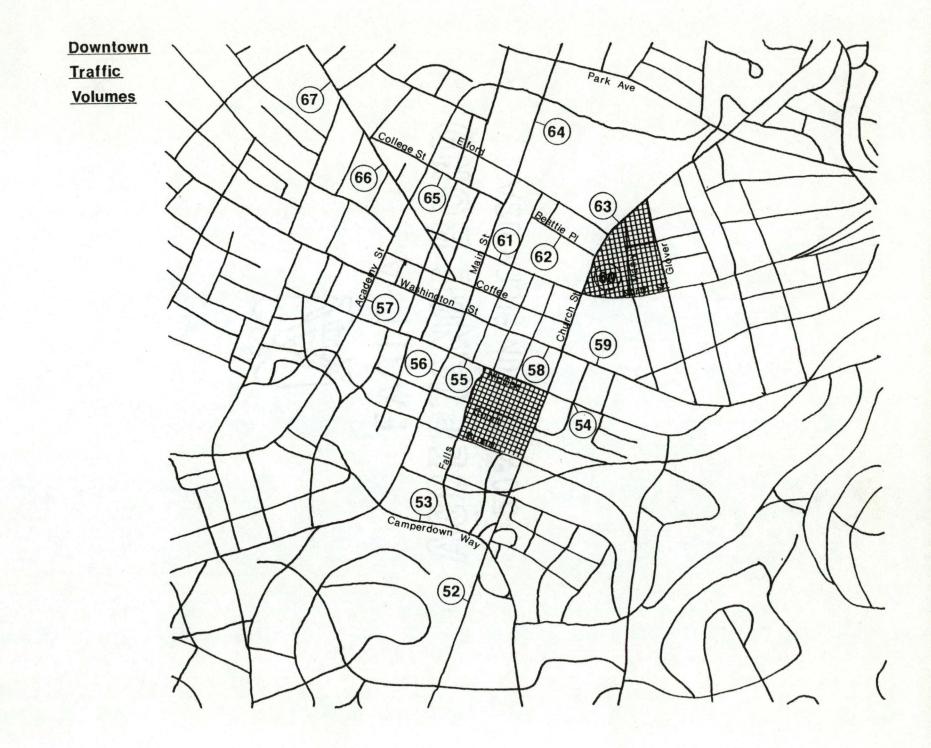
Greenville.

Key	1965	1977	Key	1965	<u>1977</u>
1	3,338	8,759	35	1,022	4,202
2	4,244	6,551	36	3,046	11.813
34	6,501	16,731	37	5,431	20,019
	6,705	13,045	38	22,746	39,438
56	7,853	12,944	39	7,577	15,306
6	12,913	25,908	40	20,253	25,439
7	9,000	11,906	41	13,991	26,932
8	15,055	18,837	42	21,029	22,599
9	14,104	23,509	43	7,904	8,529
10	2,718	9,614	44	14,056	13,900
11	4,956	6,623	45	11,158	24,245
12	4,917	9,614	46	14,676	32,451
13	9,700	22,373	47	5,907	14,144
14	13,796	22,194	48	8,200	22,232
15	16,322	31,988	49	12,854	27,815
16	7,432	13,845	50	11,247	27,967
17	5,191	10,604	51	4,796	8,931
18	18,215	17,670	52	21,500	27,347
19	14,412	12,673	53	7,301	5,530
20	8,771	4,221	54	4,695	5,472
21	20,776	21,048	55	N/A	N/A
22	14,411	17,188	56	5,770	3,824
23	11,800	14,118	57	5,078	22,635
24	5,850	Const.	58	28,726	28,327
25	17,359	23,683	59	9,744	10,003
26	13,570	23,810	60	11,201	15,955
27	16,195	16,456	61	7,422	6,698
28	9,035	9,778	62	6,646	4,465
29	1,240	2,706	63	22,738	16,627
30	24,009	27,172	64	11,201	6,733
31	8,558	7,827	65	6,223	5,588
32	8,286	11,885	66	10,660	8,618
33	2,966	10,316	67	20,776	21,048
34	20,665	34,523			

*Greenville Market Data, Greater Greenville Chamber of Commerce, Greenville, South Carolina.

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PARKING

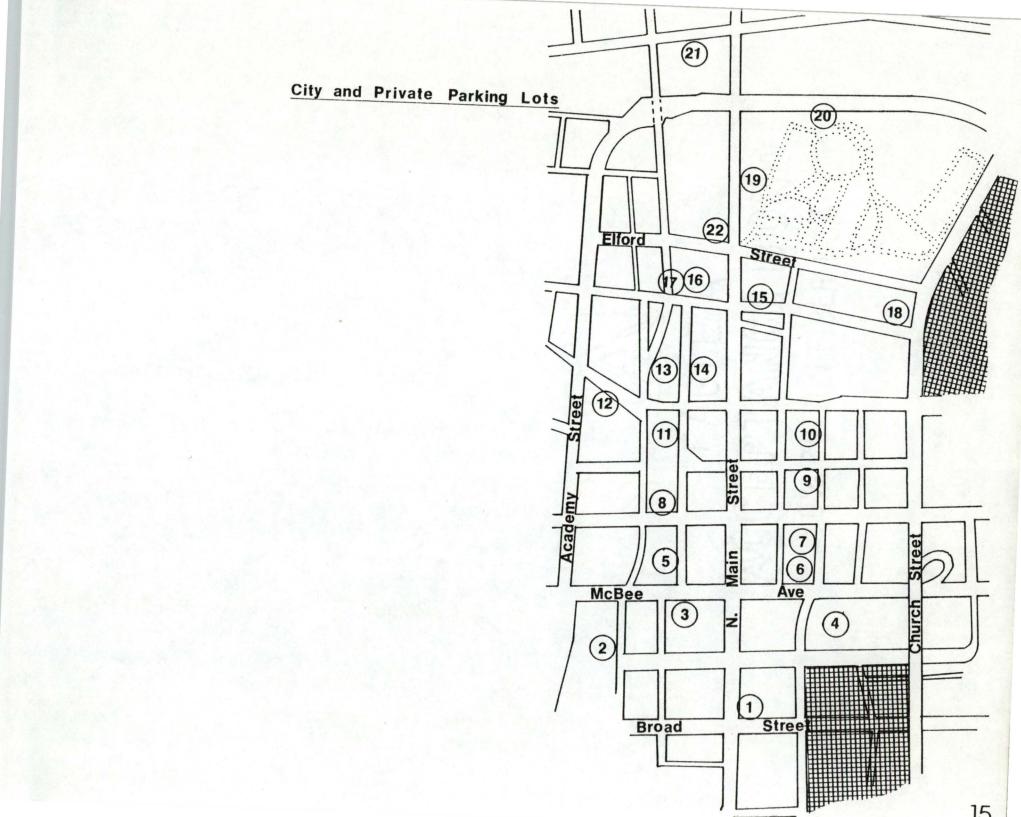
Parking fees in the downtown area range from a low of \$6.00 per month in the southern end of the central business district to a high of \$35.00 per month for a reserved space in the Daniel Building garage.

There are currently 2,847 parking spaces in the Central Business District. All lots have at least a sixty-five percent occupancy rate or better except for the McBee parking lot which has a rate of only twenty percent for 269 spaces. With the addition of the coliseum and its accompanying office space, this rate would be expected to increase.

The following two pages list the major city and private parking facilities, the number of spaces in each, and their location in the city.

Map No.	Lot Name	No. of Spaces	Percent Occupancy	Monthly Rate
1	Wade Stack	138	65	6.00
2.2	Belk Simpson	225		
	(old Belk's Lot)			
3	Belk Simpson Garage	90		
	(Belk's Garage)			
4	McBee	269	20	10.00
56	McDonald's	-	-	(1.50/day)
6	SCN Garage			
	(SCN Customers & Employees	Only)		
7	Greenville Municipal	432	80	15.00
8	Bankers Trust	300	100	10.00
9	Handy Park			
	(Fiedelity Federal Cust. &	Empl)		
10	Handy Park	75	75	20.00
11	North Street	120	100	15.00
12	Handy Park	75	85	10.00
13	Private	68	70	12.00
14	200 Mall	118	90	12.00 M
				20.00 NM
15	Handy Park	77	-	.35/hr
15A	Handy Park	85	100	20.00
16	Daniel Building	400	100	27.50 NR
				35.00 R
17	Daniel Handy Park	20	100	20.00
18	Curb Market	150	90	15.00
19	North Main	143	90	15.00
20	Academy Street	32	90	10.00
21	Private	-	90	10.00
22	Private	30	100	18.00
	TOTAL	2,847		

*Greenville Market Data, Greater Greenville Chamber of Commerce, Greenville, South Carolina.



Currently Greenville has approximately one million square feet of net leasable office space in both downtown and suburban locations. As of July, 1980, there was a 93.3 percent occupancy rate:

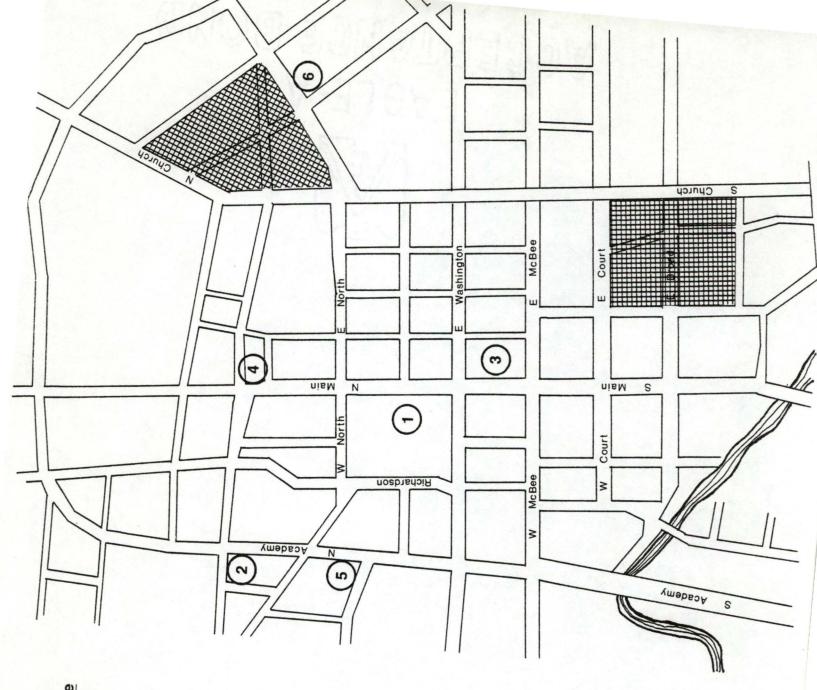
	Leasable Area	Available Area	Occupancy Rate
Down town	487,268 sq ft	38,628 sq ft	92.5%
Suburban	648,408 sq ft	38,000 sq ft	94.2%
Total	1,135,676 sq ft	76,628 sq ft	93.3%

The addition of the 200,000 square foot office space associated with the coliseum complex will bring the net leasable office space in the Greenville area to 1,335,676 square feet. The following two pages are a summary of office space locations, net leasable space and space now available.

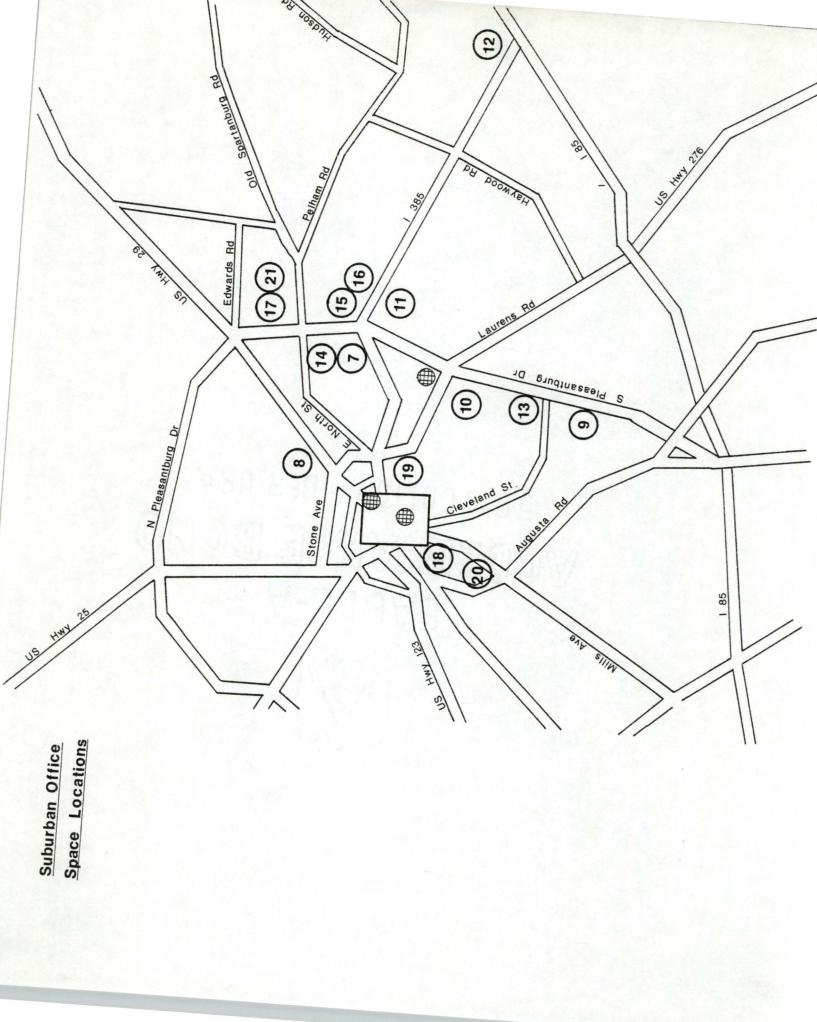
The office space associated with this complex, through the use of tax increment financing, will help pay for part of the coliseum construction cost.

DOWNTOWN OFFICE SPACE	Map No.	Building Name	Net Leasable Space	Available Space
	1	Bankers Trust	147,000 sq ft	None
	2	First Federal	104,500	1,000
	3	SCN Bank	140,000	14,000
	4	Greenville Commons	73,000	22,000
	5	Academy Plaza	12,000	None
	6	Dalton Building	9,768	1,628
SUBURBAN OFFICE SPACE	7	Century Plaza	50,000	1,100
	8	Chick Hampton	35,000	None
	9	Diran Executive	36,156	None
	10	Edinburgh Arcade	12,000	1,500
	11	Green Gate Park	104,352	4,000
	12	Koger Executive	97,300	2,000
	13	Morgan Manor	60,000	4,000
	14	North Executive	20,000	9,800
	15	Piedmont Center	63,000	6,000
	16	Regency Plaza	18,000	1,500
	17	Piedmont East	71,000	1,300
	18	300 Building	45,600	3,000
	19	800 Building	15,000	None
	20	Dobson Building	15,000	3,800
	21	Grove Building	6,000	None

Greenville Market Data, Greater Greenville Chamber of Commerce, Greenville, South Carolina.



Downtown Office Space Locations



ENTERTAINMENT

Greenville currently has over 260 restaurants as well as a number of live entertainment and dancing clubs. Other entertainment activities include sporting events, country and rock concerts, Holiday on Ice shows, World Championship Rodeo, Miss South Carolina Pageants and statewide craft shows, most of which are now being held in Memorial Auditorium.

EXHIBITIONS

Textile Hall contains over 500,000 square feet of exhibition space with a permanent American Textile Machinery Exhibit. Visiting shows have included Southeastern Recreational Vehicle show, the American Kennel Club Dog show and the Chapman Antique show.

RECREATION

"The city recreation department operates thirty-five parks, playgrounds and recreational centers, several senior citizens programs and special events sponsored by the department. A children's zoo is also located within Cleveland park."³

CULTURAL

The new Heritage Green Cultural Center is the focal point of Greenville cultural activity. This downtown complex is currently the home of the Greenville County Library, the Greenville County Museum of Art and the Greenville Little Theater. BUSINESSES

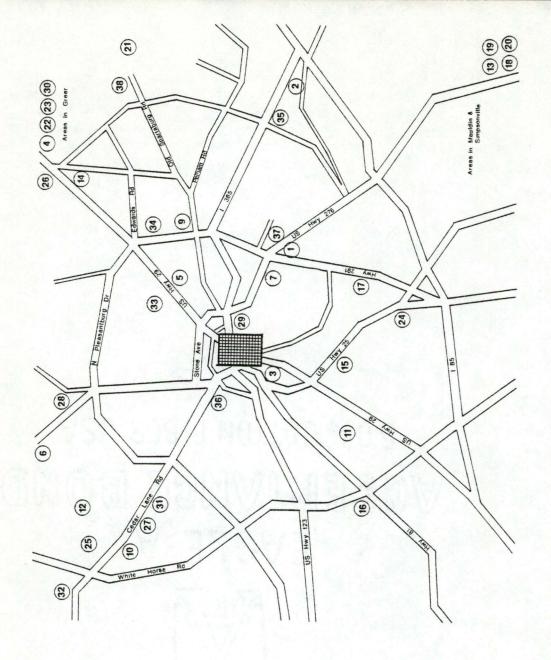
Greenville County now has approximately 3,171 retail trade businesses with 1,428,000 dollars in sales per year. In the last five years retail sales have increased approximately fifty-two percent, with wholesale trade increasing at the remarkable rate of 125 percent in the last eight years.

A majority of the shopping areas in Greenville County are located out of the Central Business District (see map on following page). Main Street, as part of the Downtown Redevelopment Project, has tried to bring part of this retail trade back to the Central Business District. The addition of the 60,000 square foot retail space proposed as part of the Coliseum Project could help to further increase the retail market in the downtown area, thus reinforcing the Main Street Redevelopment Project. SHOPPING AREAS

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Key	Shopping Area	Square Feet
1	McAlister Square	570,000
2	Greenville Mall	650,000
3	Bell Tower	325,000
4	Greer Plaza	168,000
5	Wade Hampton Mall	160,000
6	University Square	130,000
7	Pleasantburg Shopping Center	125,989
8	J. M. Fields Plaza	123,000
9	North Hills	115,000
10	Westowne	108,000
11	K-Mart (Mills Avenue)	108,000
12	K-Mart (Sulpher Springs)	106,000
13	Mauldin Plaza	105,000
14	K-Mart Plaza (Wade Hampton)	100,000
15	Lewis Plaza	75,000
16	Anderson Road Plaza	62,000
17	Morgan Manor	60,000
18	Simpsonville Plaza	60,000
19	Golden Strip Shopping Center	57,000

Key	Shopping Area	Square Feet
20	Whatley Square	55,600
21	Eastgate Village	55,000
22	Peachtree Shopping Center	55,000
23	AGC Shopping Center	55,000
24	Terrace Shopping Center	80,000
25	Berea Shopping Center	40,150
26	Hampton Village	38,000
27	Centre West Shopping Center	37,200
28	Hillandale Shopping Center	30,000
29	Bell Plaza	30,000
30	Gallery Shopping Center	25,000
31	Cedar Lane Plaza	25,000
32	Westwood Plaza	10,270
33	Stone Plaza	
34	Lake Forest Shopping Center	
35	Haywood Mall	800,000
36	Mulberry Square	20,000
37	01d Towne Shopping Center	
38	Vaughn's at East North	



The G.M.A.

GREENVILLE MEMORIAL AUDITORIUM The Greenville Memorial Auditorium began operations in the late 1950's. The auditorium is technically termed an arena and is a multiuse structure located at the intersection of Church and East North Streets, directly across from the Greenville County Courthouse.

"The Greenville Memorial Auditorium has a lower level exhibit hall in addition to the main arena floor and is flexible for use by theater type events and trade shows, sports events, arena spectaculars, large meetings and private parties (by placing a canopy over the arena floor, a festive ballroom environment can be created). The building also has two large meeting rooms holding 300 and 500 persons."⁴

The Greenville Memorial Auditorium has a standard maximum seating capacity of 6,220. When a theater environment is created with the addition of a stage and curtains, the seating capacity is reduced to 3,863. The capacity for basketball games is 5,476; for circus events, 4,982; and for the Holiday on Ice Show, 4,063. When "festival seating," which makes use of much of the arena floor, is employed the capacity of the auditorium can rise to over 7,000 persons.

"The Facility has been an innovative leader in its industry providing imaginative use of the building for a wide variety of entertainment and meeting events with vastly different requirements, operating without public subsidy for 400 event days in years of peak usage."⁵ The following table lists the number and kinds of events at the

1977	No. of Events 115
	115
	115
	22
Including: Tom Jones Englebert Humperdinck Parliament Funkadelics Johnny Cash Loretta Lynn Lynyrd Skynrd James Brown	
	45
Poinsettia Classic (Furman, Tennessee Tech, Appalachian State and Georgia Southern)	23
	25
	8 6 3 1
	0
	1
	5
	(Furman, Tennessee Tech, Appalachian State and

GMA and how they have changed over the years.

Greenville Memorial Auditorium patrons also attend other arenas in the area including Clemson's Littlejohn Coliseum; Asheville Civic Center; Greenwood Civic Center; Spartanburg Memorial Auditorium; Charlotte Coliseum; Omni, in Atlanta; Greensboro Coliseum; and Carolina Coliseum. A survey of 395 patrons, conducted by Lawrence H. Shaw for the Greenville Auditorium Board in 1978 produced the following results:

Average number of times patron attended in the last year	8.2
Adjusted for type of events	6.1
Attendance by GMA patrons at other arenas in the last year:	Percent
No other arena attended Attended another arena	40% 60%
Distribution of attendance at other arenas:	100%
Littlejohn Coliseum Asheville Civic Center Greenwood Civic Center Spartanburg Memorial Auditorium Charlotte Coliseum Omni Greensboro Coliseum Carolina Coliseum	26 8 3 17 17 14 4 12

With the addition of a 20,000 seat coliseum in Greenville County and the larger and more popular shows it would attract, the percent of patrons traveling to out-of-town arenas could be significantly reduced.

Forty-two percent of the patrons surveyed drink or dine in connection with attending events at the Greenville Memorial Auditorium. As the popularity of events increases so will the distance persons will travel to attend these events thus increasing the percentage of persons dining and drinking in the downtown area, supporting its growth and quality.

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MARKET AREA

The proposed Greenville Coliseum is to be a publicly owned facility designed to serve the people of Greenville County and provide them with facilities for entertainment and other events involving large gatherings of people.

"The persons attending events at a 20,000 seat coliseum will essentially be the same persons who are currently attending events at the Greenville Memorial Auditorium. A larger arena, which will make it possible to attract a wider array of events appealing to a larger audience, will reduce the proportion of the population which do not attend any events; a larger arena should also increase the number of times per year current patrons attend."¹² In addition, a larger arena, by attracitng large regional events, will tend to expand attendance from a larger region.

"The current pattern of attendance at the Greenville Memorail Auditorium offers substantial insight to the geographic distribution of patrons at a large coliseum. In order to quantify the residence location of patrons at the Greenville Memorial Auditorium, patrons at ten events at the Greenville Memorial Auditorium in the period from January 19, 1978 through March 3, 1978 were surveyed."¹³ These events were: one wrestling event, one religious crusade, a Holiday on Ice and a Hanneford-Shrine Circus, three basketball games and three concerts. The sample was used to esti the extent to which the changing program of events would affect the pattern

of attendance at new 20,000 seat coliseum.

CHANGE IN MARKET AREA WITH THE ADDITION OF A 20,000 SEAT COLISEUM

	Currently at GMA	%	At a 20,000 seat Coliseum
Greenville County and Easley residents	66		60
Residents of other places in Pickens County, Anderson County, Laurens County and Spartanburg County	23		26
Residents of Oconee, Abbeville, Union, Cherokee and Greenwood Counties	5		6
Nearby areas of North Carolina and Georgia	3		3
Residents of other areas at a considerable distance from Greenville	3		5
Total	100		100

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THE AUDIENCE

It is expected that approximately fifty-five percent of the patrons attending the proposed coliseum will be from Greenville County; twenty-six percent from the surrounding counties of Pickens, Laurens, Anderson and Spartanburg; eight percent from within a fifteen mile radius of the facility; five percent from Easley; three percent from Georgia and North Carolina; and the remaining three percent coming from areas outside a sixty mile radius of Greenville.

"It is the nature of arenas to present events during the course of a year which will appeal to a wide audience of persons with different occupational, educational and income characteristics. Age is, however, a factor in arena attendance and there will be a much larger proportion of persons in the 18-34 age group attending events at the coliseum than these persons represent in the total population. Similarly, a very small proportion of the population over 65 will attend events at a coliseum."¹⁴

The following table gives the expected attendance at the coliseum by age.

ATTENDANCE BY AGE AT THE COLISEUM

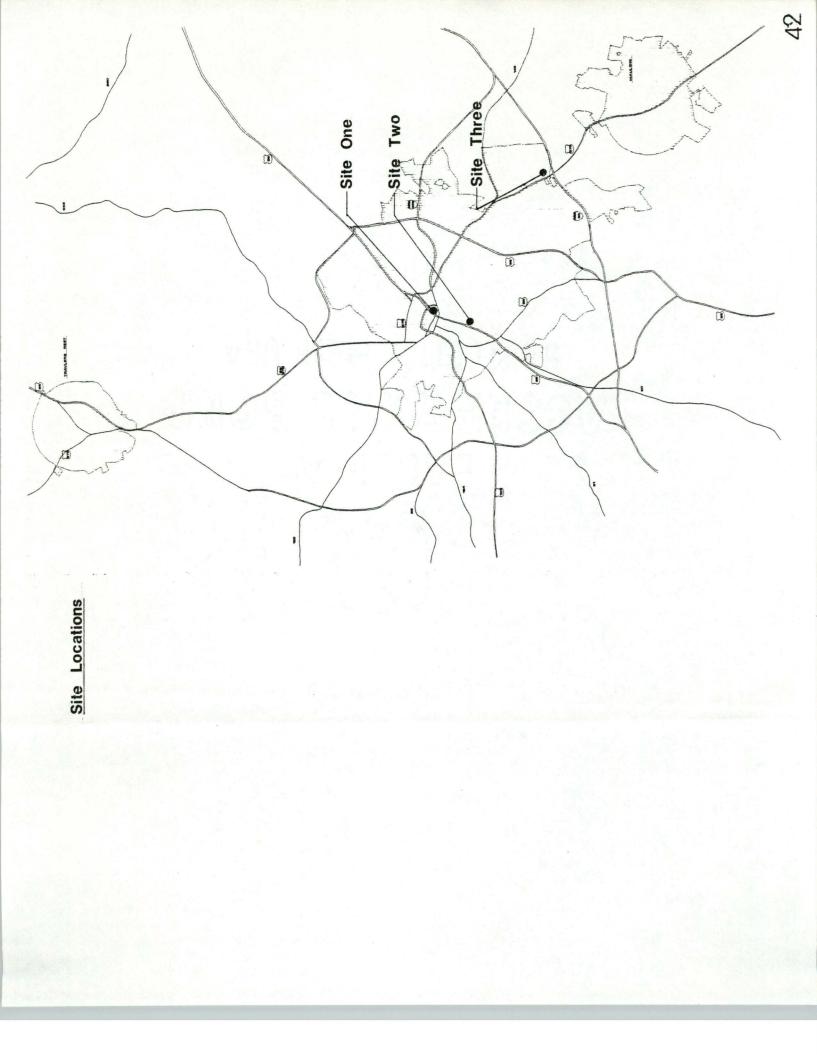
Age	Patrons/ Population	Attendance/ Population	Attendance/ Patrons	Percent of Attendance	
	%	times pe	er year		
18-34	78	3.4	4.4	66	
35-64	48	1.5	3.1	32	
65 and over	25	.5	2.0	3	
All adults	57	2.1	3.7	100	

The 20,000 seat coliseum will have an attendance of 843,000 persons in the fiscal period ending in mid-1982. The Greenville Memorial Auditorium is expected to have an attendance of 380,500 in the same period. Together the two facilities would represent attendance of 1,223,500. It is projected that attendance at these two facilities will increase at an annual rate of three percent, demand, however, is expected to increase at an annual rate of 6.7 percent.

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Three sites have been considered for the location of the coliseum complex which will consist of the 20,000 seat arena; 200,000 square feet of office space; 60,000 square feet of retail space; and a 5,000 car parking structure. Each of the sites was evaluated on the basis of the following criteria:

- Population center proximity of site to the population center.
- Surrounding growth availability of land surrounding the facilities to accommodate coliseum generated activities.
- 3. Site size.
- 4. Availability of land.
- 5. City balance expansion of city in an even growth pattern.
- Main Street Development proximity to Main Street and how redevelopment would benefit from site location.
- Regional access number and location of major routes adjacent to the site.
- Local access number of vehicular turning movements in the vicinity of the site, number and widths of local roads and turns into and out of the site.



- Dump time time required to completely empty the parking facilities after an event.
- Existing parking existing parking that could be utilized during events to cut down on the amount of on-site parking.
- Lodging number of hotel and motel accommodations in proximity of the site.
- 12. Restaurants number and proximity of restaurants to the site.
- 13. Fire protection station size and ease of access to the site.
- 14. Availability of water.
- 15. Availability of sewer.
- 16. Soil soil suitability for coliseum construction.
- 17. Site occupation vacant, wooded or with structures.

The existing Greenville Memorial Auditorium site, bounded by East North Street, Church Street and Academy Street, has already been acquired for the construction of the proposed coliseum. Access to this site is relatively good, however, it would be difficult to alter existing traffic patterns to accommodate greatly increased traffic.

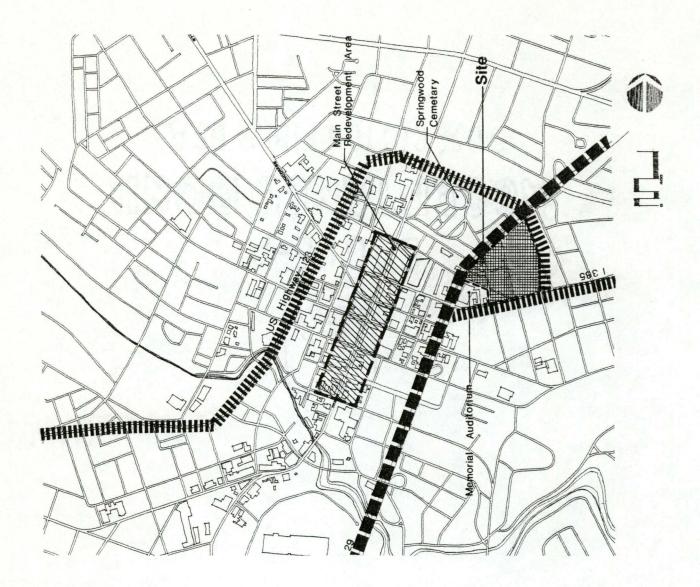
The major shortcoming of this site is its relationship to the city and the Main Street Redevelopment Project. At this time the northern section of the city has been the recipient of most redevelopment projects, including the recent Hyatt Convention center, while little development has occurred in the southern section. The construction of the proposed coliseum in this northern part of Greenville might further inhibit development of the southern section of the city.

Parking for this location would need to be almost totally on the site itself since few public parking lots are within a convenient distance.

Future expansion in this area is limited by the cemetery bordering the north side, the courthouse to the south, and county law offices to the west.

44

SITE ONE

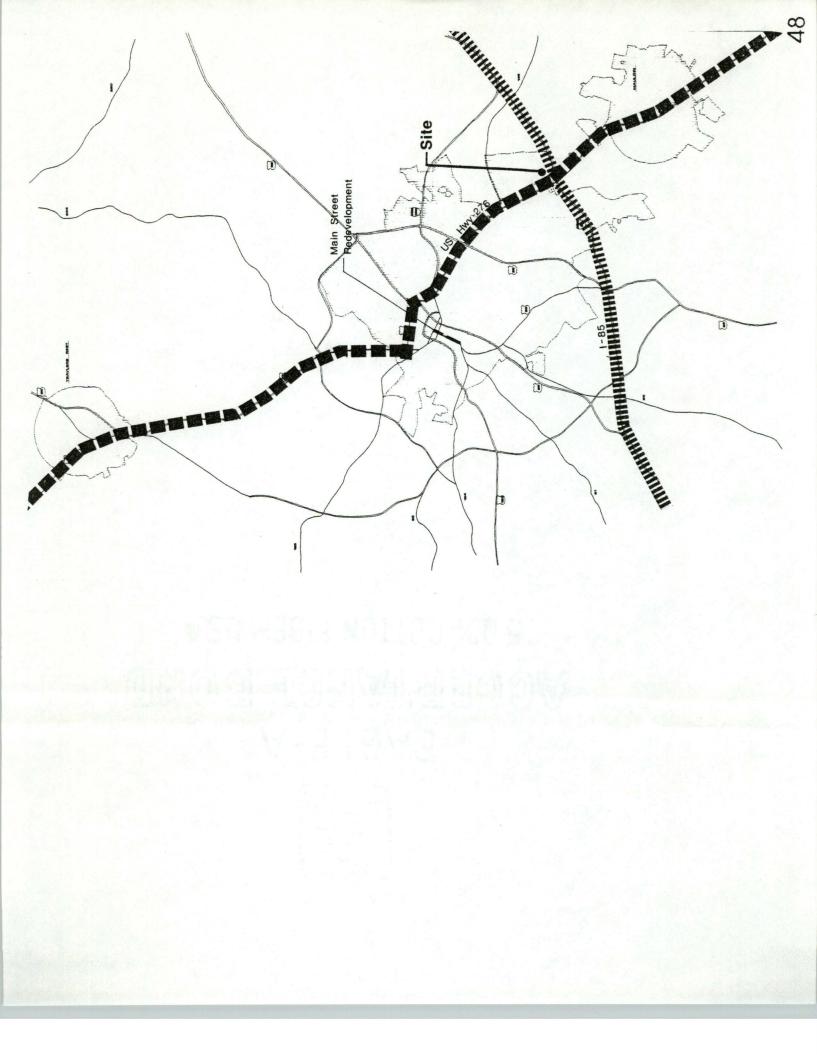


QUANTITATIVE SITE ANALYSIS

		Rating
Local access		4
Dump time 45 minutes (1/45)×100		2.22
Regional access		4
Motels		4
Restaurants		3
Fire protection		5
Population Center		3
Surrounding growth		2
Existing parking		3
Availability of water		4
Availability of sewer		4
Availability of land		5
Site size		3
Soil		3
Site occupation		4
Main Street Redevelopment		2
City balance		2
	TOTAL	57.22

Poor Fair Good 1 2 3 4 5 The second location considered for the construction of the coliseum complex is a site that is located well out of the Central Business District in an area bounded by 1-385 and 1-276 (Laurens Road). Although this site is close to the population center of projected coliseum users, it would not contribute to the growth and economic development of downtown Greenville and the Main Street Redevelopment Project. Access to this site is by only one major highway, six-land Laurens Road.

Fire protection at this location is another problem to be considered. At the present, the nearest fire station is a one engine residential station. A coliseum in this area would require another station or the expansion of the existing station.



QUANTITATIVE SITE ANALYSIS

	Rating
Local access	2
Dump time 52 minutes (1/52)×100	1.92
Regional access	4
Motels	1
Restaurants	3
Fire protection	2
Population center	5
Surrounding growth	4
Existing parking	2
Availability of water	3
Availability of sewer	3
Availability of land	4
Site size	5
Soi 1	4
Site occupation	5
Main Street Redevelopment	1
City balance	1
TOTAL	50.92

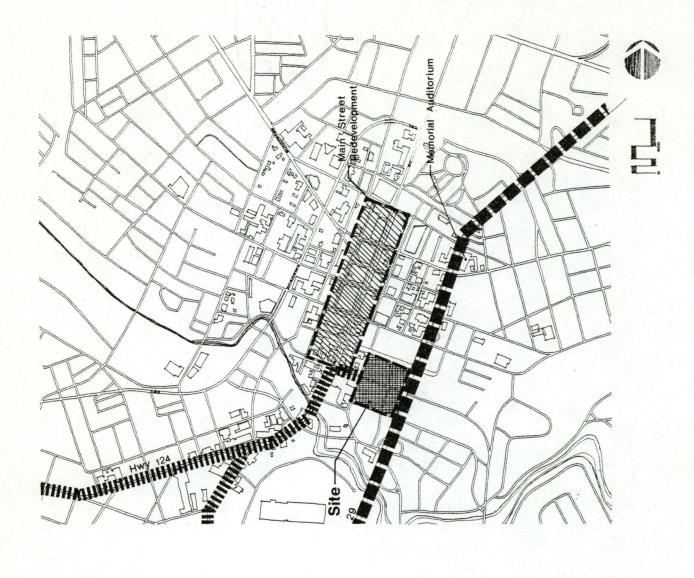
Poor Fair Good 1 2 3 4 5 SITE THREE

The third site considered for the construction of the coliseum complex is bounded by McBee Avenue, Church Street, Falls Street, and Broad Street in downtown Greenville. Access to this site, with the addition of a new ramp off the Church Street overpass, is the best of the sites considered. If traffic direction on the streets surrounding the site was altered at the conclusion of coliseum events, the area could be cleared in approximately forty-five minutes.

Existing public parking near this site is greater than that of the other two locations. This would greatly reduce the amount of on site parking, which would in turn reduce the cost of the overall complex.

This site also has the best relationship to the Main Street Redevelopment Project and the city as a hole. A coliseum in this location would form a much needed anchor for the southern end of the city as well as helping to revive the retail that would exist between this complex and the existing buildings in the northern end of the city.

This site is also in an excellent location to relate to the Reedy River development. With a large amount of housing planned for the surrounding area, people working in the office portion of the complex could live in relative proximity to their jobs. This would again help to revive downtown Greenville and enforce the efforts to bring the people back to downtown. The superiority of this site over the other two sites can be clearly seen in the following quantitative analysis. Therefore, the McBee-Church Street location will be proposed as the site of the Greenville Coliseum Project.



QUANTITATIVE SITE ANALYSIS

	Rating
Local access	4
Dump time 41 minutes (1/41)×100	2.44
Regional access	3
Motels	3
Restaurants	4
Fire protections	5
Population center	3
Surrounding growth	3
Existing parking	4
Availability of water	4
Availability of sewer	4
Availability of land	4
Site size	4
Soil	3
Site occupation	4
Main Street Redevelopment	4
City balance	_ 5
τοτα	AL 63.44

Poor Fair Good 1 2 3 4 5

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ACTIVITIES

The 20,000 seat coliseum envisioned by the Greenville Auditorium Board would serve solely as a performance arena. It would not provide facilities for conventions. While some arenas are utilized for major exhibits and trade shows, this coliseum would only be used for such activities as boat and car shows, antique fairs, and flea markets.

The arena floor will be a flexible space with its size determined by ice hockey requirements. Other activities which would take place would include basketball, circus, ice shows, concerts and theater performances.

In the period 1981/1982 the coliseum is expected to have 187 events, with this number increasing to 261 by 1991/1992. "In the initial year of operations of the coliseum, concerts will account for a quarter of the total attendance at the facility." Top popular singers, rock groups, country singers and variety attractions would be among the performers at the coliseum. Nineteen percent of attendance would be for arena spectaculars, including indoor rodeos, ice shows and indoor circuses. Seventeen percent of the featured events would be sporting events; Furman University basketball would be one of the main attrations with other events being the possibility of major tournament events, professional games, tennis, or other sports events.

Fiscal Years Ending June 30

Type of Event		Atten- dance		Atten- dance		Atten- dance
Contemporary Concerts	24	144	30	180	36	216
Variety concerts	12	72	17	102	25	150
Wrestling	8	64	8	72	8	80
Religious and Educational	25	125	27	130	30	140
Proms and Graduations	7	28	7	28	7	28
Sports events	35	140	38	150	40	160
Arena Spectaculars	40	160	50	200	60	240
Walk-through ex- hibits and shows	10	30	15	50	18	72
Pet shows	2	4	2	5	2	5
Closed circuit TV	4	16	6	20	8	25
Cultural exchange	10	40	15	60	17	70
Flea markets and merchandise marts	_10	_20	_10	20	_10	20
Totals	187	843	225	1,017	261	1,206

Source: Frances Deering

The office facilities associated with the coliseum will consist of approximately 200,000 square feet of leasable space. Revenues from this space will help in the funding of the entire complex; some of the office space will be leased to the city. Parking for the office space will be combined with the coliseum parking. General retail space leased to local merchants will comprise 60,000 square feet of the complex.

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PROGRAM SPACES

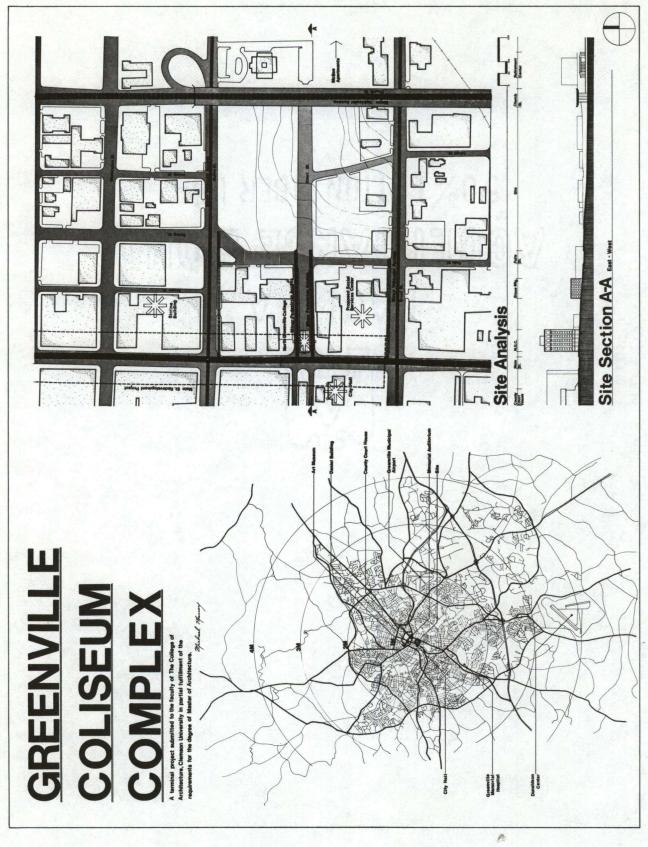
COLISEUM	
	Sq. Ft.
Arena:	
Seating capacity 20,000 Arena floor	212,000 28,000
	20,000
Sports dressing:	
Team dressing 4 @ 900	3,600
Team rooms 2 @ 1,800	3,600
Training room	600
Coaches offices 4 @ 140	560
Officials dressing room 4 @ 140	560
First Aid:	
Locker area	400
Tickets:	
Ticketing facilities	7,000
Concession:	
Concession stands 8 @ 400	3,200
Concession storage 8 @ 400	3,200
concession scorage o le 400	5,200
Star/performer dressing areas:	
Private star 4 @ 280	1,120
Performing artists 4 @ 900	3,600
Storage 2 @ 1,800	3,600
General spaces:	
Public toilets	as reg'd
Press room	1,000
Darkroom	150
Security	2,000
Lounge	300
Office	160
Multi-purpose room 2 @ 2,000	4,000
Ice machine	250

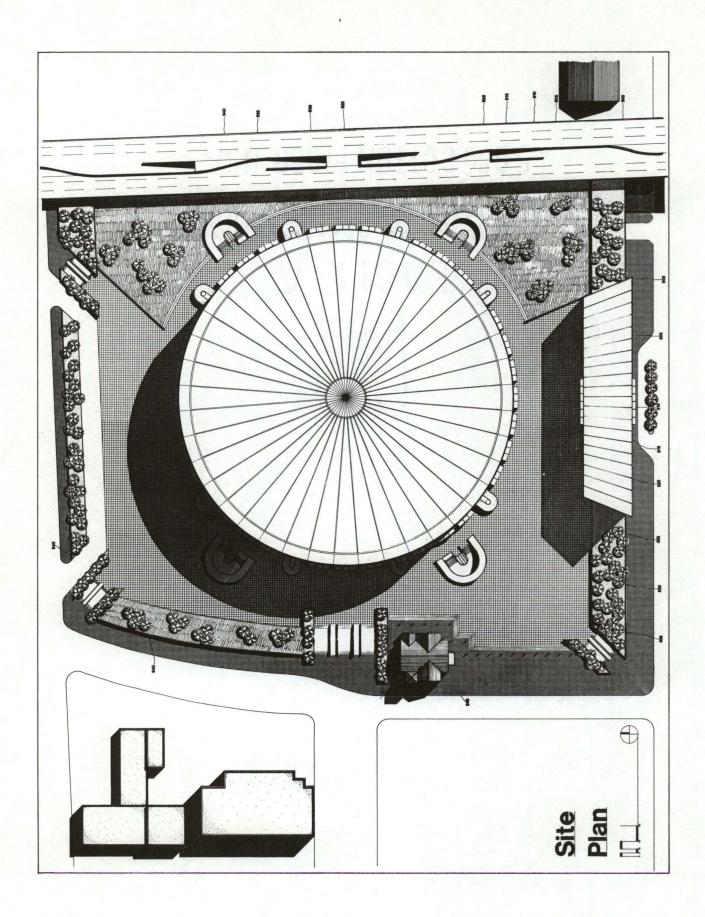
Administration:		
Reception		300
Secretarial		200
Toilets		as reg'd.
Supply/storage		100
Office machine		250
File storage		250
Ticket manager		160
Ticket storage		100
Ticket counting		240
Accounting offices 4 @ 160		640
Waiting		120
Director		180
Arena manager		160
Conference room		450
Board room		900
Lounge		700
Janitor		as req'd.
Storage		as req'd.
Services:		
Mechanical		22,000
Staging		18,000
Maintenance shop		4,000
Shop storage		3,000
Central janitorial		2,600
Offices 2 @ 140		280
Receiving		2,000
NET AREA		335,570
TARE @ 24%		80,062
GROSS AREA	Total Sq. Ft.	415,632

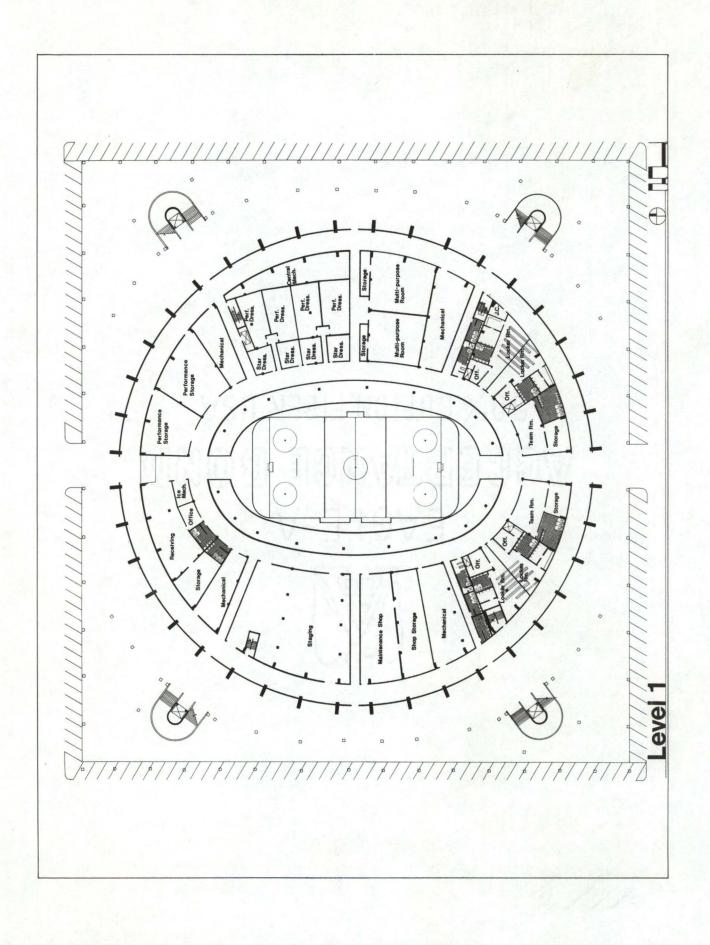
	OFFICE	
		Sq. Ft.
Office:		
Flexible space		200,000
Reception		1,000
Services:		
Security		400
Toilets		as req'd.
Janitorial		as req'd.
Dining		7,000
Mechanical		15,000
NET AREA		223,400
NET MEN		225,400
TARE @ 15%		33,510
GROSS AREA	Total Sq. Ft.	256,910

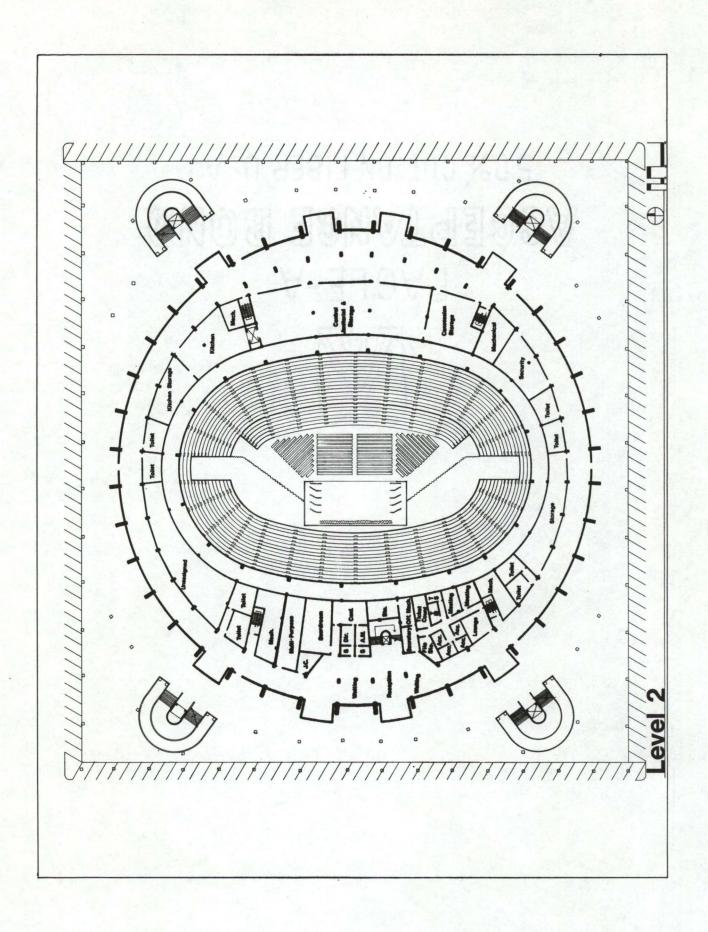
COMPLEX GROSS TOTAL

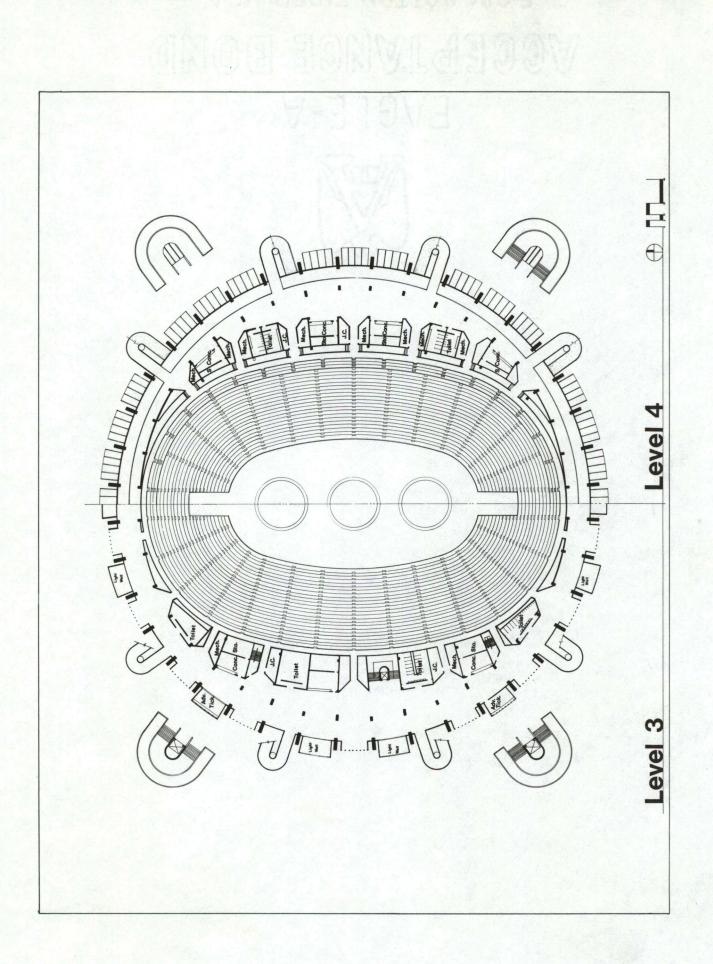
672,542

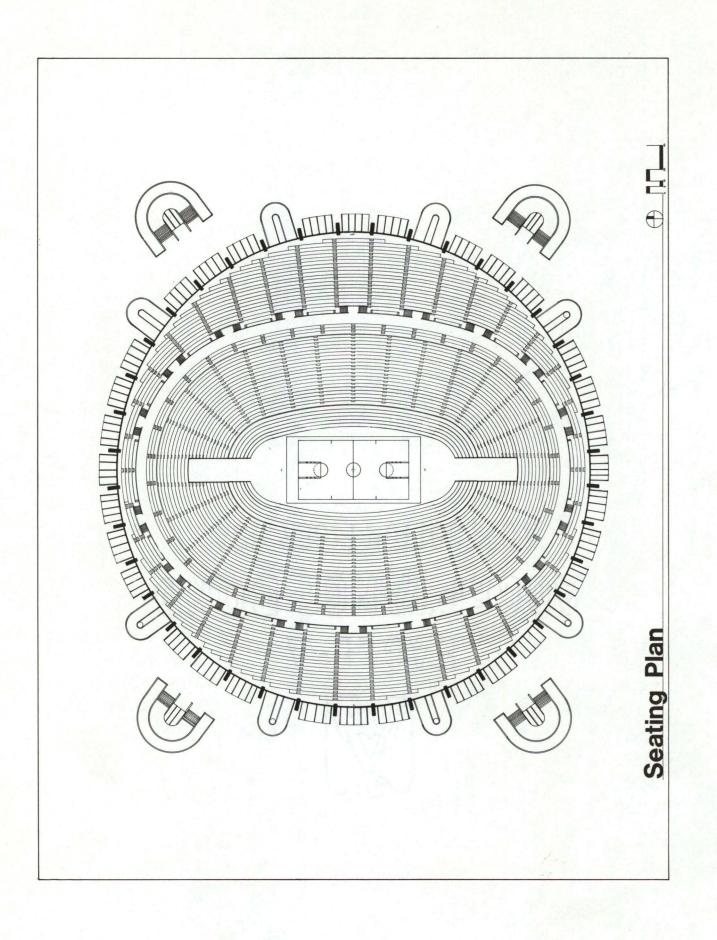


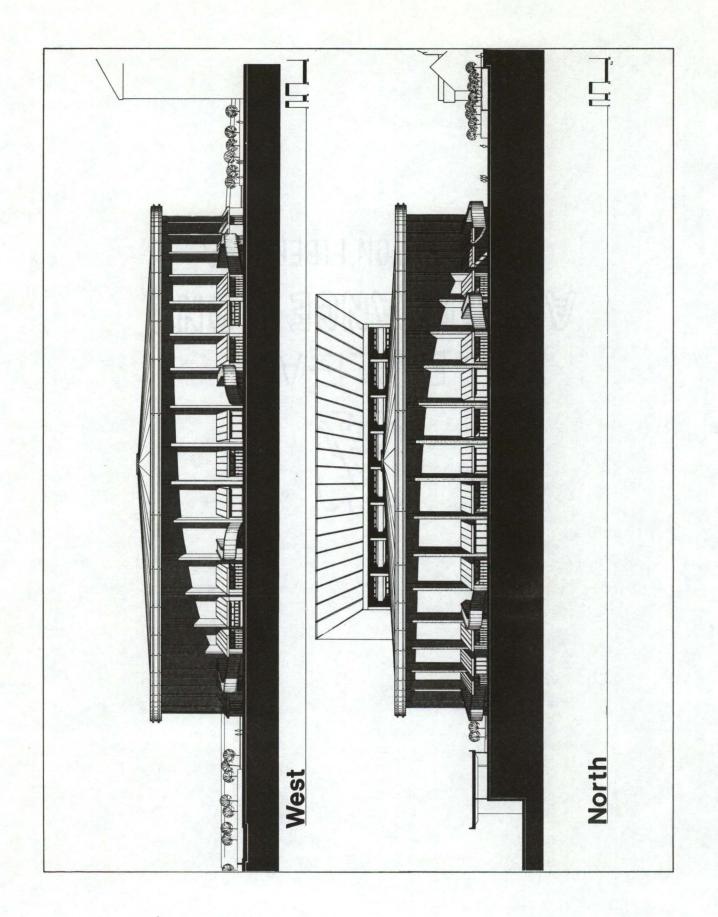


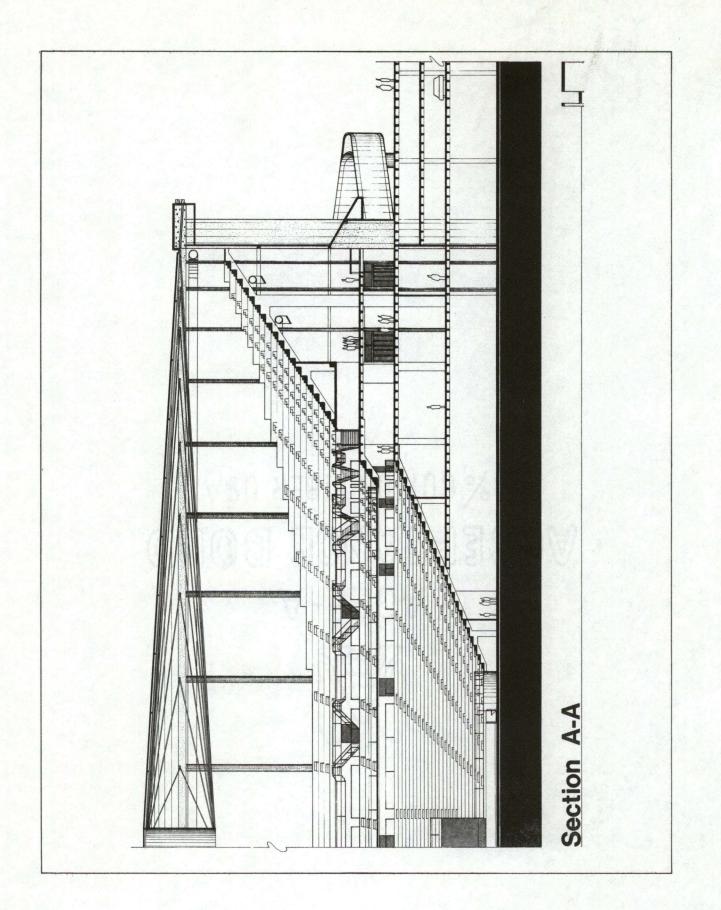


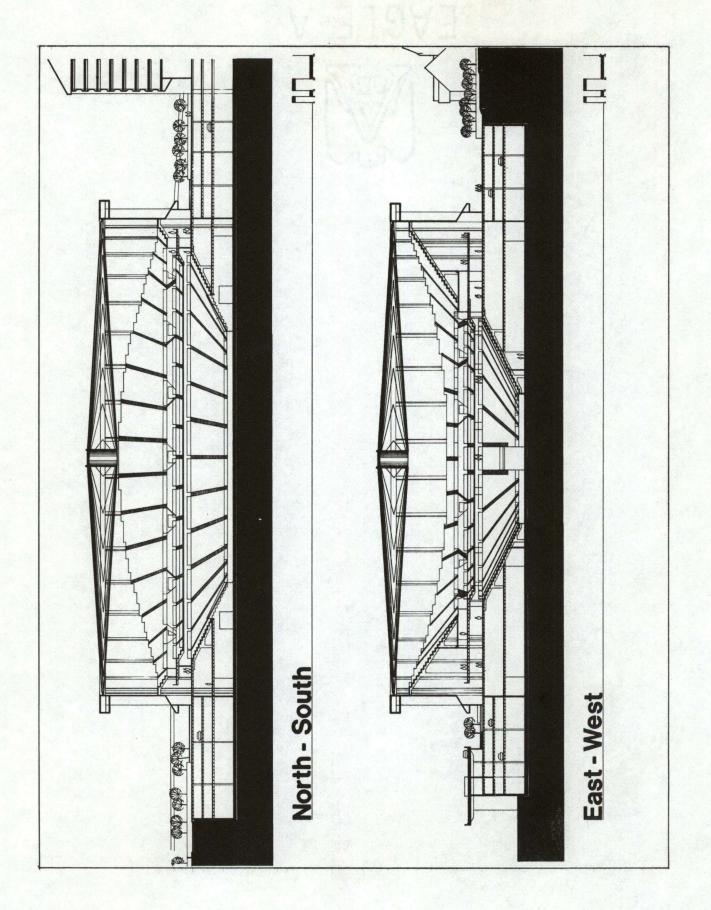


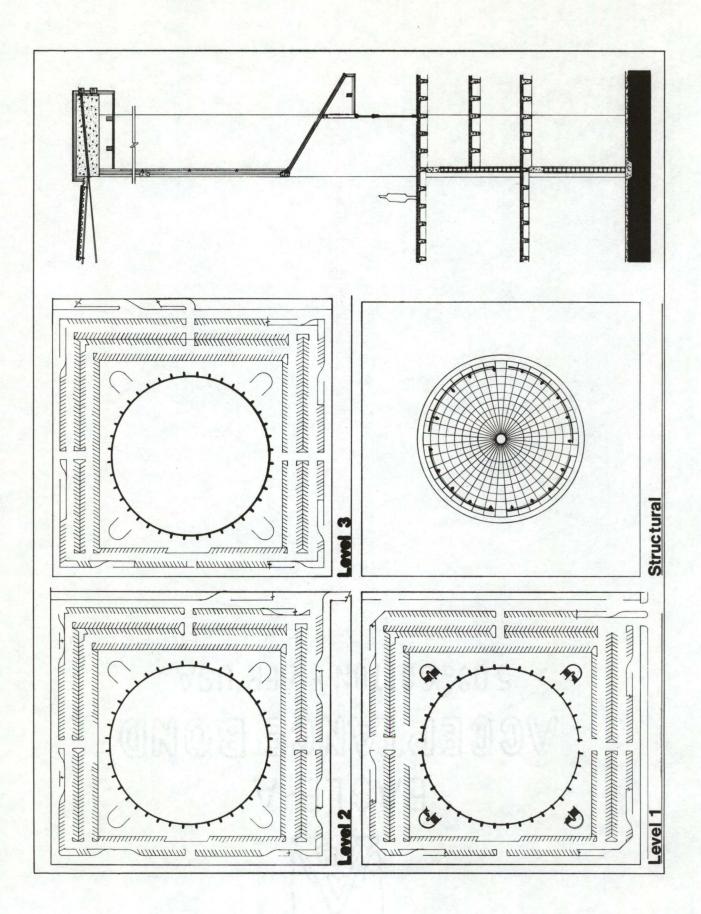












FOOTNOTES

¹ Lawrence H. Shaw, "Economic Feasibility of a 15,000 Seat Coliseum in Greenville County," Economic Analysis, May 1978, p. 5.

² <u>Ibid</u>, p. 5. ³ <u>Greenville South</u>, Greater Greenville Chamber of Commerce, Greenville County Redevelopment Board (Greenville, South Carolina, 1979). ⁴ Shaw, p. 34. ⁵ Ibid., p. 34. 6 Shaw, p. 63. 7 "Three New Arenas," Architectural Record, February 1980, p. 114. ⁸ <u>Ibid</u>., p. 116. ⁹ "Theaters Framing a Square," <u>Architectural Forum</u>, March 1971, p. 45. ¹⁰ Shaw, p. 40. ¹¹ Shaw, p. 46. ¹² Shaw, p. 101. ¹³ Shaw, p. 102. ¹⁴ Shaw, p. 23.

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"Theaters Framing a Square." Architectural Forum, March 1971, pp. 44-47.

"Three New Arenas." Architectural Record, February 1980, pp. 114-116.