Project #: D-48-833
Cost share #: 
Center # : 10/31-6-T5439-0A0
Center shr #:
Contract#: AWD DATED 8/24/93
Prime 
Mod #:
Subprojects ? : N
Main project 
Project unit: DEAN ARCH
Project director(s):
DRUMMOND W J
Unit code: 02.010.170

Sponsor/division names: GA DEPT COMMUNITY AFFAIRS
Sponsor/division codes: 300 / 032
Award period: 930715 to 930915 (performance) 930915 (reports)
Sponsor amount
Contract value 6,000.00
Funded 6,000.00
Cost sharing amount 0.00

Does subcontracting plan apply ?: N
Title: DEV OF STANDARDS FOR ECONOMIC DEV GIS DATABASES

PROJECT ADMINISTRATION DATA
OCA contact: Brian J. Lindberg 894-4820
Sponsor technical contact
MS. KATHERINE HESSELTINE (404)656-3879
Sponsor issuing office
MS. KATHERINE HESSELTINE (404)656-3879
GEORGIA DEPARTMENT OF TRANSPORTATION
1200 EQUITABLE BUILDING
100 PEACHTREE STREET
ATLANTA, GA 30303

Security class (U,C,S,TS) : U
Defense priority rating : N/A
Equipment title vests with: Sponsor
NONE PROPOSED OR ANTICIPATED.
Administrative comments -
INITIATION OF PROJECT D-48-833 (FIXED PRICE).
GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION
NOTICE OF PROJECT CLOSEOUT

Closeout Notice Date 04/28/94

Project No. D-48-833

Project Director DRUMMOND W J

Center No. 10/31-6-T5439-0A0

School/Lab DEAN ARCH

Sponsor GA DEPT COMMUNITY AFFAIRS/

Contract/Grant No. AWD DATED 8/24/93

Contract Entity GTRC

Prime Contract No.

Title DEV OF STANDARDS FOR ECONOMIC DEV GIS DATABASES

Effective Completion Date 930915 (Performance) 930915 (Reports)

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Comments

Subproject Under Main Project No.

Continues Project No.

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NOTE: Final Patent Questionnaire sent to PDPI.
Economic Development Data Bases
Procedures for Gathering Information

Developed for the
Georgia Department of Community Affairs

by

David Chatham
Georgia Tech Economic Development Institute
and
William J. Drummond
Georgia Tech City Planning Program

September 8, 1993
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Site Factors in Industrial Property Evaluations

Although the purpose of the site surveyor is not to evaluate the property compared to other properties, it would help the learner to know how the buyers of industrial property view a parcel of land proposed for industrial use.

ENVIRONMENTAL

SITE SIZE

A minimum size for an individual site is about five acres and the average is between ten and thirty acres. Although smaller and larger industrial parks exist, the average size range is 100-150 acres with future expansion capability.

SITE SHAPE

The most desirable land has a rectangular or square shape that will easily accommodate industrial structures.

TOPOGRAPHY

- Most suitable: land predominately 0 to 2% slope
- Average suitability: land predominately 4 to 6% slope
- Least suitable: land predominately 10% slope or more

SOIL CONDITIONS

Soil erosion, load-bearing capacity, and other soil conditions are factors the buyer will consider. For instance, a soil that contains compressible clays, silt, peat, organic material, and unconsolidated fill is really unsuitable and can greatly increase the cost of site preparation.
WETLANDS

Most suitable: >90% of site free of severe environmental constraints
Average suitability: At least 60% free of severe environmental constraints
Least suitable: <30% of site free of all severe environmental constraints

INTANGIBLE ASPECTS

LAND USE

Current zoning and land use of adjacent areas is the number one issue for many big companies. Companies want zoning regulations that will protect the plant from the wrong kind of adjacent neighbors, like shopping centers and steel mills.

AVAILABILITY

The best site that is not yet available is no help to the company that needs to get operations going on a schedule. Land is not available if it is still in legal entanglements or still being settled in probate court.

AESTHETICS/VISIBILITY

In residential selling, this is called curb appeal. While this may seem a small matter when considering all the other aspects, never under represent this human factor.

EMPLOYMENT

Another aspect is the location of the proposed industry in relation to where the pool of employees may be located.

TRANSPORTATION ACCESS

HIGHWAYS

Highway access from the site is important. Close interstate access makes a property more valuable to companies that rely on trucking.
AIRPORTS

Business travel and product shipping are two reasons for needing an airport nearby, and its importance depends on the nature of the business. Studies show that cities and industries within 20 miles of airports benefit.

RAILROADS

For some industries, access to rail is not important, but heavy industries often want this service. Railroad access has long scored very high on the scale of reasons companies make the location choices they do.

PORTS

Ports are necessary to the manufacturer who exports such things as heavy equipment and processed materials or chemicals. Anything that is heavy and bulky is expensive to ship by air.

TRUCKING SERVICES

Many companies do not choose to own their own fleet of trucks but make agreements with trucking companies to carry their products to market.

UTILITY SERVICES

Services to the proposed site are always an essential need and an important feature for the buyer to consider. Water, sewerage treatment, electricity, natural gas, and telecommunications are the basic utilities evaluated for availability, amount, and distance to service.
WATER SYSTEM

Water is more necessary in some industrial operations than others (500 - 1,500 gpd), but it is essential for fire fighting if a tragic industrial conflagration should occur.

   Most preferable: 12” main or greater at the site
   Preferable: 10” main at the site
   Least preferable: Less than 8” main, more that 3 miles from site

WATER CAPACITY

Range of excess capacity of water treatment facility in millions of gallons:

   Most preferable: 2 mg/day excess capacity
   Preferable: 1 mg/day excess capacity
   Least preferable: <300,000 g/day excess capacity

SEWERAGE SYSTEM

Sewerage system and treatment is necessary to process the waste water following industrial use. Again, size of the pipe as an indication of the system to deliver the waste water from the plant facility to the sewerage treatment plant is an essential consideration. An example of possible configurations is as follows:

   Most preferable: 10” main or greater at the site
   Preferable: 8” main at the site
   Least preferable: less than 8” at the site
SEWERAGE CAPACITY

Sewerage excess capacity is determined similarly to water excess capacity. A range of excess capacities follows.

Most preferable: 1.5 mg/day or more  
Preferable: 750,000 g/day  
Least preferable: less than 200,000 g/day

NATURAL GAS

Natural gas is used in many industrial operations for processing product besides heating space for workers and general operations. As with all utilities, if they are not on site, the cost of bringing them there can be high. A range of possible services:

Most preferable: 4" HP line  
Preferable: 3" line LP  
Least preferable: not on site.

ELECTRIC POWER

Electricity is usually available at some level of service. The significant characteristics of interest to the industrial client are the sophistication of service and access to more than one distributor. This is demonstrated as follows:

Most preferable: Dual feed/separate trans sources, phase distrib, customer choice  
Less preferable: No transmission or phase 3 within 3 miles, limited dual feed choices

TELECOMMUNICATIONS

Telecommunications are increasingly significant to the industrial operation. High speed data transmissions, central office digital services and video conferencing have increased the need for more bandwidth to carry this greater load of information.

Most preferable: multiple fiber optic line within 2 miles of site  
Least preferable: standard phone services only
FIRE AND POLICE PROTECTION

Fire protection and police protection are essential services needed for any industrial operation. Insurance companies rate the local fire protection on a scale of 1 to 10 and consequently base their rates for fire insurance accordingly:

- Most preferable: rating of 5 or less
- Preferable: rating of 6 to 8
- Least preferable: rating of 9 or 10

CONCLUSION

These have been just a few of the things an industry may evaluate in its quest for a new business location. Once a company has narrowed the field down to a few candidates, it will begin to scrutinize the community for such things as: community quality of life issues, educational facilities and achievements, political cooperation among governing bodies, attitude of community to industry, labor/management relations in area, merits of the city, its appearance, its reputation, its plans for the future, the opinions of industry already in the city.
Local Contacts
For Both Site and Building Surveys

The purpose of surveying is to increase the visibility of local sites and buildings on the state level so that the community gets full exposure of its available assets. Many professional services, local company representatives, and local officials may be involved in bringing a new industry into a community. It is impossible to create any single list of professionals, agencies or community leaders that fit all circumstances, but below is a brief list of key players and their general roles. These contacts will provide the resource base for surveying any new sites or buildings in the region.

PUBLIC AND QUASI-PUBLIC ORGANIZATIONS

Depending on the level of involvement, local organizations should have some understanding of the lands and buildings generally available in the area. They also know what companies have moved into the area that have not yet been included in the state Manufacturing Data Base. These local organizations need to be contacted and involved in helping to point out new sites and vacant buildings.

Planning and Zoning Departments: responsible for management and planning through building and zoning ordinances to enhance orderly real estate development in the community. This department would be knowledgeable about current plans for industrial development that have been filed, parcels of land that may be slated for industrial zoning or development in the future, or the names of developers in the area to contact.

Local political offices: mayor and/or county commission chairman often work in concert with economic development organizations to handle local infrastructure changes and represent community officially. Jobs creation is very important to them, and they may be very knowledgeable about area developments.

Development Authority: manages some land sites in community to create a favorable climate for industry location. Lead or supporting role in economic development may differ by community. Sometimes function is more land development than industry recruitment. Benefits from new industry locating to community, especially on development authority land.

Chamber of Commerce: may have lead role or supporting role in selling community to prospective new companies. Interested in new companies attracted to community and becoming involved in the organization's activities.

UTILITY COMPANIES

The local utility companies have an economic interest in seeing local properties sold to new industries and buildings occupied by businesses. They often will know where
the best property is and what the status is. They themselves develop and maintain files and data bases on opportune sites available. They are very professional and trained to be a team player with the community. Most utilities have a local economic development representative that could be contacted to help develop a list of available buildings or sites in the area. Below are the state level contacts that could refer you to a local representative.

**Electric utility companies:** electric companies such as Georgia Power and Oglethorpe Power play a very active role in economic development statewide. Georgia Power maintains a state Site Data Base and both companies offer economic development assistance and planning consultations to communities. Other electric utilities all over the state are also involved in bringing new companies to their communities. State contacts are:

Dan Hull  
Manager-Economic Development  
Municipal Electric Authority of Georgia  
1470 Riveredge Parkway  
Atlanta, GA  30328-4640  
404/952-5445  
Fax:953-3141

Roy Plott  
Manager, Engineering. & Information. Services  
Georgia Power Company  
Economic Development Organization  
PO Box 4545  
Atlanta, GA  30308  
404/526-3272  
Fax: 525-1021

Joe Riley  
Director, Economic Development  
Oglethorpe Power Corporation  
285 Peachtree Center Avenue  
Suite 1201, Marquis II Tower  
Atlanta, GA  30303  
404/270-7530  
Fax:521-2831

**Natural gas utilities:** wholesale gas companies and city-owned natural gas distributors are interested in new industrial developments. These companies provide the developer with accurate costs for gas line installation during the planning stage and implement new service during the site preparation. This cost can sometimes be off-set by the proposed
volume of the industrial consumption. The utility is very willing to help organizations plan their gas service. State contact is:

Harold Breazeale  
Director, Economic Development  
Atlanta Gas & Light Company  
P.O. Box 4569  
Atlanta, GA 30302  
404-584-3844  
FAX: 584-3817

Telephone service: there are various phone companies throughout the state and the service available in any one area will vary. Local companies are always improving their services, but companies increasingly need more sophisticated service than dial tone. Call for local representatives:

Rick Moreland  
Industrial Affairs Director  
AT&T Company  
Suite 3830  
303 Peachtree Street, N.E.  
Atlanta, GA 30308  
404-818-8808  
FAX: 818-8811

John Silk  
Executive Director Vice President  
Georgia Telephone Association  
1900 Century Boulevard, Suite 8  
Atlanta, GA 30345  
404/321-5368  
Fax: 728-0374

Ted Lawrence  
Director, Economic Development  
Southern Bell  
346-125 Perimeter Center West  
Atlanta, GA 30346  
404/391-3708  
Fax: 393-8468
RAILROADS

The railroad companies are going to know what property or buildings are served by their lines. There are also many small regional haulers in the system that may be able to provide some leads on sites bordering their lines. State contacts are:

Millard West
Director, Industrial Development Manager
CSX Transportation
200 Galleria Parkway, Suite 430
Atlanta, GA 30339
404/859-1856
Fax: 529-1057

Bob Bowling
C.I.D. Industrial Development Manager
Norfolk Southern Corporation
185 Spring Street
Atlanta, GA 30303
404/529-1856
Fax: 529-1057

REAL ESTATE BROKERS AND DEVELOPERS

Commercial real estate companies: local agents know who is handing industrial property in the area. Driving around town will usually reveal a few agency signs of those trying to move large tracts suitable for industrial development. For local list of commercial real estate companies contact:

Local Board of Realtors
Local Chamber of Commerce

Land developers: owners, engineering management companies, contractors and developers of private industrial and business parks that may sell directly or utilize real estate companies. Developing and managing business parks for profit, these companies act similarly to the quasi-public organizations in bringing a development through the various stages and into completion. For local list of contacts:

Local Banks
Local Department of Planning and Zoning
Development Authority
Chamber of Commerce
Local Utility Representatives
FINANCIAL INSTITUTIONS

Local banks: lend money for construction loans, utility development financing. The local banker may be the one who has the best perspective on site development and building vacancies. Sometimes, it is the bank that is looking to sell the property. Contact local banks and talk to their commercial loan division. Some state-level contacts include:

Don Stahle
Senior Vice President
First Union National Bank of Georgia
Suite 960 Mail Code 9006
Box 740074
Atlanta, GA 30374
404-225-4014
FAX: 827-7125

Glenn Cornell
C.I.D., Senior VP - Economic Development
NationsBank
600 Peachtree Street, N.E.
Atlanta, GA 30308
404-607-5650
FAX: 581-5031

Ed Andrews
Group Vice President
Trust Company Bank
Box 4418, Mail Code 445
Atlanta, GA 30302
404-230-1919
FAX: 581-1775

John O’Conner
Manager, Economic Development
191 Peachtree Street
Atlanta, GA 30303-1757
404-332-5568
FAX: 332-1023
NAME & LOCATION
Property Name: ____________________________
Property Location: ____________________________
City & Zip Code: ____________________________
Inside City Limits: Yes ___ No ___
If Outside City Limits, indicate:
Distance: _______ miles Direction: _______
County: ____________________________

SITE CHARACTERISTICS
Largest Possible Site: ___________ acres
Smallest Possible Site: ___________ acres
Total Remaining Acres: ___________ acres
Total Acreage of Development: ___________ acres
Terrain: Flat __ Gently Rolling __ Rolling __
Hilly __
Lowest Elevation: ___________ ft.
Highest Elevation: ___________ ft.
Wetlands present: Yes ___ No ___
Site in an ozone air quality region: Yes ___ No ___
If yes, name aquifer: Yes ___ No ___
Site over a known aquifer: Yes ___ No ___
If yes, name aquifer: ____________________________
Site on a river: Yes ___ No ___
If yes, name river: ____________________________

CONSTRUCTION TYPE ALLOWABLE
All metal, steel bldgs. allowed: Yes ___ No ___
Masonry facade required for metal bldgs.: Yes ___ No ___
Tat-up/Precast Concrete Only: Yes ___ No ___
Exist. Protective Covenants: Yes ___ No ___

SITE DEVELOPMENT STATUS
Tenants currently in park: Yes ___ No ___
Heavy industry permitted: Yes ___ No ___
Soil survey available: Yes ___ No ___
Is the site in a flood plain? Yes ___ No ___
Any easements on site? Yes ___ No ___

LAND USE
Please indicate answers with following codes:
Industrial (I), Commercial (C), Agriculture (A), Mixed Use (M), Residential (R), Not Zoned (N), Institutional/Public (P)
Site's current use: _______ Proposed use _______
Use of land north of site: _______ south of site: _______
est of site: _______ west of site: _______

TERMS
Price Range Min. $ _________________________ acre
Max. $ _________________________ acre
Is subdividing land negotiable? Yes ___ No ___

TRANSPORTATION
Nearest Interstate: ____________________________
Distance: _______ miles Direction from site: _______
Other Highways (Indicate if I, US, or GA)
___ Hwy. _______ Distance: _______ miles Direction: _______
___ Hwy. _______ Distance: _______ miles Direction: _______
Railroad(s) adjacent: ____________________________
Rail Spur on site: Yes ___ No ___
Closest Commercial Airport: ____________________________
Distance from site: _______ miles
Local Airport: ____________________________
Distance from site: _______ miles
Paved runway: Yes ___ No ___
Lighted: Yes ___ No ___
Navigational aids: Yes ___ No ___
International Airport: ____________________________
Distance from site: _______ miles
Port: ____________________________
Distance from site: _______ miles
Barge facility adjacent: Yes ___ No ___
Name of river: ____________________________
UTILITIES
Water Provider: ________________________________
Main Size: ______________________ inches
Distance from site: _______________ miles
Location of main: __________________________
Excess treatment capacity: ___________ gal./day
Amount of storage near site: _____________ gals
Distance: _________________________________ miles
Sewer provider: ____________________________
Main size: ______________________ inches
Distance from site: _______________ miles
Excess treatment capacity: ___________ gal/day
Wholesale gas supplier: ______________________
Local gas provider: ________________________
Main size/pressure: _______ inches HP _ LP
Distance from site: _______________ miles
Police protection: _______________________
Fire protection: _______________________
Fire insurance class (1-10): __________________________
Electricity provider: _______________________
Telecommunications provider: ______________

Provide maps with site boundaries, site development plans, and any other information.

TRANSPORTATION COMMENTS
(Planned road improvements, travel times, motor carriers serving area, facilities at airport, etc.)

UTILITY COMMENTS
(Utility system details, planned improvements to water and sewer systems, elevated water storage tanks, flow volumes and pressures, etc.)

GENERAL COMMENTS
(Other special features of building; completion time required for speculative building; available financing, incentives & other considerations affecting price; etc.)
Using the Survey Form

I. Preliminary

1. Interview types of contacts listed in previous section for possible available land or buildings and contact their owners or representatives for permission to interview them and inspect site/building for data base.

2. Interview owner(s), representative(s), or knowledgeable principal(s) on survey form. They should provide most of the information requested.

3. Make visual inspection and walk-through of building and premises or site.

II. Step by step explanation of questions on site survey.

Georgia Industrial Sites Form

ITEM

NAME & LOCATION

Property Name: ________
Property Location: ________
City & ZIP Code: ________

Inside City Limits Yes No

If Outside City Limits, Indicate Distance: __ miles Direction__

County: ________

SITE CHARACTERISTICS

Largest Possible Site: ___ acres
Smallest Possible Site: ___ acres
Total Remaining Acres: ___ acres
Total acres in development: ___ acres

[3] Name used locally
[5] Of property not owner, agent, etc
Use North, South, Southeast, etc
[4]
[15] Development divided into multiple lots (Planning and zoning dept.)
[14] Acres not sold or built upon.
[13]
ITEM | EXPLANATION
---|---
Lowest Elevation: _____ ft. | [25] Use topographic map
Highest Elevation: _____ ft. | [26] Same
Wetlands present: Yes  No  | [28] Visual inspection may not tell all. Topo helpful. May need local expert.
Site in an ozone air quality region: Yes  No  | [23] See list of counties in appendix. EPA has more restrictive air quality standards for plants in this area.
Site over a known aquifer: Yes  No  | [30] State Geological Office should have maps on aquifers. Local people may know.
If yes, name aquifer:  | 
Site on a river: Yes  No  | [95] [96]
If yes, name river:  | 

CONSTRUCTION TYPE ALLOWABLE

All metal, steel bldgs. allowed: Yes  No  |
Planning and zoning dept.
Masonry facade required for metal bldgs.: Yes  No  |
Tilt-up/Precast Concrete Only: Yes  No  |
Exist. Protective Covenants: Yes  No  |
[17] Covenants may determine the building materials used. This restriction can increase cost but provides uniform development.

SITE DEVELOPMENT STATUS

Tenants currently in park: Yes  No  |
May need greater water/sewer. More concentrated employees per acre, traffic, etc.
Heavy industry permitted: Yes  No  |
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<tr>
<td>Is the site in a flood plain? Yes __ No__</td>
<td>[118] Planning and Zoning</td>
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<td>Any easements on site: Yes __ No __</td>
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**LAND USE**

Please indicate answers with following codes:

- **Industrial (I)**: Light and heavy manufacturing, food processing, chemical processing. Something is being made. Could include warehousing facilities.
- **Commercial (C)**: Business activities, service, retail, restaurants.
- **Agriculture (A)**: Crop land, grazing pasture, tree farms, etc.
- **Mixed Use (M)**: Not uniform use, ex: residences and businesses.
- **Residential (R)**: Single or multiple housing.
- **Not Zoned (N)**: Institutional/Public (P)
- **Current Use: __** [10] How the property is now used per above codes
- **Proposed Use __** [11] Use planned upon selling per above codes
  - south of site: ____ [20]
  - east of site: ____ [21]
  - west of site: ____ [22]
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<td>Is subdividing land negotiable? Yes ____ No ____</td>
<td>[16]</td>
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<td>TRANSPORTATION</td>
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<tr>
<td>Nearest Interstate: ___________</td>
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<tr>
<td>Distance &amp; direction from site: ______ ______ miles</td>
<td>[81, 82]</td>
</tr>
<tr>
<td>Other Highways</td>
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<tr>
<td>(Indicate if I, US, or GA)</td>
<td>(I) Interstate, (US) Federal Highway,</td>
</tr>
<tr>
<td></td>
<td>(GA) State Rd.</td>
</tr>
<tr>
<td></td>
<td>[83,84,85] EX: US Hwy 129 Distance: 2 miles</td>
</tr>
<tr>
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<td>[86, 87, 88]</td>
</tr>
<tr>
<td>Railroad(s) adjacent: ______</td>
<td>[73,74,75,76,77] Name of railroad(s)</td>
</tr>
<tr>
<td>Rail Spur on site: Yes ____ No ____</td>
<td>[72] A short run of rail up to the site or near it.</td>
</tr>
<tr>
<td>Closest Commercial Airport: ______</td>
<td>[62] Name of city, etc.</td>
</tr>
<tr>
<td>Distance from site: __ miles</td>
<td>[63] To commercial airport</td>
</tr>
<tr>
<td>Local Airport: ______</td>
<td>[66] Name of airport, allows company plane, etc.</td>
</tr>
<tr>
<td>Distance from site: ____ miles</td>
<td>[67] To local airport</td>
</tr>
<tr>
<td>Is runway paved? Yes ____ No ____</td>
<td>[69]</td>
</tr>
<tr>
<td>Is runway lighted? Yes ____ No ____</td>
<td>[70]</td>
</tr>
<tr>
<td>Runway have Navigational aids? Yes ____ No ____</td>
<td>[71]</td>
</tr>
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</table>
ITEM

International Airport
Distance from site: _____ miles
Port: _______
Distance from site: ___ miles, direct. _
Barge facility adjacent: Yes __ No __
Name of river: _______

UTILITIES

Water Provider: _______
Main Size: ___________ inches
Distance from site: _________ miles
Location of main: _______________
Excess treatment capacity: _ gal./day
Amount of storage near site: ___ gals
Distance: ____________________ miles
Sewer provider: ________________
Main size: ______________ inches
Distance from site: _________ miles
Location of sewer: ____________

EXPLANATION

[64] Name of Airport
[65] To international airport
[91, 92] Name of nearest port.
[93, 94] To port
[98]
[95,96] With the facility
[52] Name of source, city, board, etc.
[54] EX: 6", 8", 10", 12"
[116, 53] Miles and tenths of a miles. EX: 1 miles, .4 miles
[55]
[56] Water towers, etc in millions/gallons
[58]
[60] EX: 6", 8", 10", 12"
[59, 117] In miles and tenths of a mile.
ITEM |
---|
Excess treatment capacity: ___ gal/day |

EXPLANATION
What can be treated that is above current usage [Total one day capacity minus one day use (30 days avg. use) = Excess capacity, but consider peak month]

Wholesale gas supplier: ____________ |

[45] Large pipe line supplier to area.

Local gas provider: ________________ |

[46] Actual doorstep distributor

Main size/pressure: ___ inches
HP ___ LP ___

[49] HP (High Pressure) LP (Low Pressure)

Distance from site: _________ miles |

[48, 115] In miles and tenths of a mile.

Location of gas main: ______________ |

[50]

Police protection: ________________ |

[112]

Fire protection: ____________________ |

[113]

Fire insurance class (1-10): _____ |

[114] Fire department and local fire insurers would know.

Electricity provider(s): ____________ |

[37,38,39] Name all local electric providers available.

Telecommunications provider: ________ |
ITEM

CONTACTS

Primary Contact (Name and Address): _____
Phone: _______
Fax: ________

Additional Contact (Name and Address): ___
Phone: _______
Fax: ________

Owner/Controlling Organization: ________
Ownership: Public ___ Private ___

Provide maps with site boundaries, site development plans, and any other information.

EXPLANATION

Public: Industrial Authority, City, County, etc.
The more info the better

TRANSPORTATION COMMENTS

(Planned road improvements, travel times, motor carriers serving area, facilities at airport, etc.)

In these spaces provide information you deem important but not covered in questions or not covered thoroughly enough. For instance, if a site is on a two lane road but upgrading to four lane is in the near future, that is significant. Talk to airport manager about service, daily flights, special features or capabilities of the airport.

UTILITY COMMENTS

(Utility system details, planned improvements to water and sewer systems, elevated water storage tanks, flow volumes and pressures, etc.)

This is a good place for a more concise description of the water and sewer system and the water and sewerage treatment facilities. Ask local water/sewer managers and experts to advise you. Give status of utility development if not complete. 'What about road improvements up to park and new roads into park?

GENERAL COMMENTS

(Other special features of building; completion time required for speculative building; available financing, incentives & other considerations affecting price; etc.) [99]
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**Total** 1285
Site Data Base Dictionary

AQUIFER_AR (CHAR, 2) Aquifer in the area. Is there a known aquifer under the building site? Entry: Y, N. [Field used in SDB]

AVAIL_STAT (CHAR, 2) Availability status of the property for purchase. List: A (Available), U (Unavailable) [Field used in SDB]

BARGE (CHAR, 2) Barge facility, is a facility on the river nearby the site? Entry: Y, N [Field used in SDB]

CITY_NAME (CHAR, 21) Name of the city the land is located. Entry: city name. [Field used in SDB]

CNTY_FIPS (NUM, 5) County FIPS number, a federal identification number which is given for each county. Entry: FIPS number. Note: See County Fips Numbers in the Appendix. Internal use. [Field used in SDB]

COMM_ARPO (CHAR, 4) Commercial Airport, the nearest location. A commercial airport is one that provides commercial services such as personal travel and shipping. Entry: abbreviation for city where the commercial airport is located. Ex: Savannah (SAV), Macon (MAC), Athens (ATH) [Field used in SDB]

COMM_MILE (NUM, 8, 1) Commercial airport, number of miles to the nearest one. Entry: number of miles with decimal. Ex: 4.5, 10, etc. [Field used in SDB]

CONVENT (CHAR, 2) Convenants, are there covenants on the property? Covenants are more restrictive than zoning. Entry: Y, N, or U - unknown. [Field used in SDB]

COST_SRV1 (NUM, 8) Cost of service one. Not used [Field used in SDB]

COST_SRV2 (NUM, 8) Cost of service two. Not used [Field used in SDB]

D_RAIL_CAT (NUM, 3) Dual Rail Category. Internal Use. [Field used in SDB]

DIRCT_ATL (CHAR, 3) Direction to Atlanta from the building site. Example: From Macon, Atlanta would be north but from Savannah, Atlanta would be northwest. Entry: N, S, E, W, NE, NW, SE, SW. [Field used in SDB]

DIRCT_TIER (CHAR, 3) Direction of the tier city from the building site? Example: From a building site in Gray, Macon would be South. List: number expressing the miles. Entry: N, S, E, W, NE, NW, SE, SW. Note: see def. NAME_TIER. [Field used in SDB]
DRAW_NUM (NUM, 7) Draw number. Internal Use. [Field used in SDB]

DRCT_ACC_1 (CHAR, 31) Direct access first highway to the site from the interstate. The name of the first major road or highway that leaves the Interstate toward the building site. [Field used in SDB]

DRCT_ACC_2 (CHAR, 31) Direct access second highway to the site connecting the first highway (DRCT_ACC_1) and the site or can be an alternative highway for accessing the site from the interstate. [Field used in SDB]

DUAL_RAIL (CHAR, 2) Dual rail service, can the site get service from two rail carriers? Entry: Y, N [Field used in SDB]

EASEMENTS (CHAR, 2) Are there easements on the property? Entry: Y, N or U -- unknown. [Field used in SDB]

ELEC_TER_1 (CHAR, 26) Electrical territory one, one electrical supplier serving site. Entry: name of the electrical supplier. Ex: Crisp County Power, Georgia Power, Rayle EMC [Field used in SDB]

ELEC_TER_2 (CHAR, 26) Electrical territory second, a second electrical supplier serving site. Entry: name of the electrical supplier. Not all areas have a secondary supplier. [Field used in SDB]

ELEC_TER_3 (CHAR, 26) Electrical territory three, a third electrical supplier serving site, but not all areas have a third supplier. Entry: name of the electrical supplier. [Field used in SDB]

ENTER_BY (CHAR, 9) Data entered by. Internal Use. [Field used in SDB]

FIRE (CHAR, 21) Fire department, Entry: name of local one with jurisdiction over the building site. [Field used in SDB]

FIRE_RATE (NUM, 4) Fire rating, Entry: a number from (1-10) that represents the fire risk for the vicinity. [Field used in SDB]

FLOOD_ELEV (NUM, 8) Flood elevation, an elevation on the property that has been above any historically known flooding. Entry: a number, expressing feet above sea level, ex: 243. Note: Used infrequently. [Field used in SDB]

FLOOD_PLAI (CHAR, 2) Flood plain. Is the site in a flood plain? Entry: Y, N [Field used in SDB]

GAS (CHAR, 2) Natural gas, is it on site? Entry: Y, N. [Field used in SDB]
GAS_AVAIL (CHAR, 2) Gas available. Is natural gas available for this site? Entry: Y, N  
Note: used same as GAS. [Field used in SDB]

gas available. Is natural gas available for this site? Entry: Y, N  
Note: used same as GAS. [Field used in SDB]

GAS_MAIN_D (NUM, 8, 1) Distance to natural gas main in miles or tenths of miles. Entry: 
number of miles tenths of miles. Ex: 2.5, 3.0, 4.0, 0.8, etc [Field used in SDB]

GAS_MAIN_L (CHAR, 26) Gas Main Location. Entry: name of road or highway where gas  
line is placed. [Field used in SDB]

GAS_MAIN_S (NUM, 6) Gas Main Size in inches. Entry: number of inches. Ex: 2,3,4, 8, 11,  
etc. Note: used same as GAS_MAIN [Field used in SDB]

GAS_PIPE_S (CHAR, 26) Natural gas pipe supplier in the area. This would usually be the  
company that pipes in large volumes of gas for distribution through local companies. Response:  
name of the supplier, ex: Georgia Natural Gas, Southern Natural Gas, Atlanta Gas and Light, etc.  
[Field used in SDB]

GPC_DISTRI (CHAR, 21) Georgia Power Corp. distributor. City GPC office that is  
responsible for the distribution of electricity to this site. Internal use. [Field used in SDB]

GPC_REG (CHAR, 11) Georgia Power Regions. Example: Metro, Northern, Coastal, etc.  
Internal use. [Field used in SDB]

HIGH_ELEVA (NUM, 8) Highest elevation on the land, Entry: number, expressing feet. Note:  
available on topographic maps. [Field used in SDB]

HWY_DIRCT (CHAR, 3) Highway, direction to HWY_NAME from the building site. Entry:  
direction abbreviation: N, S, E, W, NW, SW, NE, or SE. [Field used in SDB]

HWY_MILE (NUM, 8, 1) Highway, miles to HWY_NAME from the building site. Entry:  
number of miles [Field used in SDB]

HWY_NAME (CHAR, 26) Highway name, major one near the building site. Entry: Name  
of a highway Note: highway is important for trucking and other transportation concerns. [Field  
used in SDB]

INTL_AIRPO (CHAR, 4, 1) International Airport, the nearest location. Entry: abbreviation for  
city where the international airport is located. Ex: Atlanta (ATL), Jacksonville, FL (JAX) Note:  
An international airport is one that provides direct travel and shipping services to foreign  
countries with other commercial and governmental activities associated with exporting, importing  
and foreign travel. [Field used in SDB]

INTL_MILE (NUM, 8, 1) International airport, miles to it from the site. Entry: number of miles  
[Field used in SDB]
**IST_DRCT_1** (CHAR, 3) Direction to Interstate #1, from the property, direction to the only interstate highway or the first of several interstate highways. Entry, an abbreviated direction such as: N, S, E, W, NW, SW, NE, or SE. [Field used in SDB]

**IST_DRCT_2** (CHAR, 3) Direction to Interstate #2, from the property, direction to a second interstate highway. Entry, an abbreviated direction such as: N, S, E, W, NW, SW, NE, or SE. [Field used in SDB]

**IST_MILE_1** (NUM, 8, 1) Interstate #1, distance to it from the property. Entry: number of miles. [Field used in SDB]

**IST_MILE_2** (NUM, 6, 1) Interstate #2, distance to it from the property. Entry: number of miles. [Field used in SDB]

**IST_NAME_1** (CHAR, 6) Interstate #1 name, the only interstate highway or the first of several interstate highways nearest the building site. Entry: name, ex: I-75, I-285, I-95, etc. [Field used in SDB]

**IST_NAME_2** (CHAR, 6) Interstate #2 name, the second interstate highway near the building site. Entry: name, ex: I-75, I-285, I-95, etc. [Field used in SDB]

**LAND_EAST** (CHAR, 2) Land east of the site, what is the use of the land east of the site. Entry: use abbreviations suggested under "ZONING." Ex: I, M, A, R, C [Field used in SDB]

**LAND_NORTH** (CHAR, 2) Land north of the site, what is the use of the land north of the site? Entry: use abbreviations suggested under "ZONING." Ex: I, M, A, R, C [Field used in SDB]

**LAND_SOUTH** (CHAR, 2) Land south of the site, what is the use of the land south of the site? Entry: use abbreviations suggested under "ZONING." Ex: I, M, A, R, C [Field used in SDB]

**LAND_WEST** (CHAR, 2) Land west of the site, what is the use of the land west of the site. Entry: use abbreviations suggested under "ZONING." Ex: I, M, A, R, C [Field used in SDB]

**LAT** (NUM, 10, 6) Latitude, a number for the latitude of site, expressed in decimal form to the sixth place, ex: 31.954323. Used for proper placing of the building on maps and geographical information systems. Internal Use. [Field used in SDB] [Field used in BDB, but configured as (NUM, 11, 6)]

**LAT_DEG** (NUM, 5) Latitude degrees of the site location. Latitude degrees denote position on a north/south direction. In Georgia, latitude degrees range from 30 - 34. An exact position is given in degrees, minutes and seconds, for example: latitude 30° 40' 11" or 30 degrees, 40 minutes, 11 seconds. Entry: a one or two digit number for degrees, ex above: 30 [Field used in SDB]
LAT_MIN (NUM, 4)  Latitude minutes further denote position on a north/south direction. There are sixty minutes in a degree. Entry: one or two digit number for minutes, (1-59), ex above: 40 (See LAT_DEG) [Field used in SDB]

LAT_SEC (NUM, 4)  Latitude seconds further denote position on a north/south direction. There are sixty seconds in a minute. Entry: one or two digit number for seconds, (1-59), ex above: 11 (See LAT_DEG) [Field used in SDB]

LG_TRACT (NUM, 13, 2)  Largest tract, what is the size of the largest tract remaining on the site? Entry: a number for the acres, ex: 85. [Field used in SDB]

LOC_GAS_DS (CHAR, 26)  Local natural gas distributor. Entry: name of the local distributor. This could be the larger companies as well as local municipal gas service. Ex: Savannah Gas Company, City of Eatonton (Gas Dept), City of Claxton (Gas Dept.), etc [Field used in SDB]

LON (NUM, 11, 6)  Longitude, a number for the longitude of the site, expressing longitude in whole numbers and decimal form to the sixth place, ex: 85.123456, 84.100000. Used for proper placing of the building on maps and geographical information systems. Internal Use. [Field used in SDB, BDB]

LONG_DEG (NUM, 5)  Longitude degrees of the site location. Longitude degrees denote position on a east/west direction. In Georgia, longitude degrees range from 81 - 85. An exact position is given in degrees, minutes and seconds, for example: longitude 81° 40' 11" or 81 degrees, 40 minutes, 11 seconds. Entry: number of degrees, ex: 81. [Field used in SDB]

LONG_MIN (NUM, 4)  Longitude minutes further denote position on a east/west direction. There are sixty minutes in a degree. (See LONG_DEG) Entry: a number for minutes, (1-59), ex above: 40 [Field used in SDB]

LONG_SEC (NUM, 4)  Longitude seconds further denote position on a east/west direction. There are sixty seconds in a minute. Entry: a number for seconds, (1-59), ex: above: 11 (See LONG_DEG) [Field used in SDB]

LOW_ELEVAT (NUM, 8)  Lowest elevation on land. Entry: a number expressed in feet. Note: available on topographic maps. [Field used in SDB]

MILE_ATL (NUM, 7)  Miles to Atlanta by road from the building site. Response: a number representing the miles. [Field used in SDB]

MILE_TIER (NUM, 7)  Miles to the TIER_CITY from the site. Entry: number of miles  Note: see TIER_CITY [Field used in SDB]
NAME_TIER (CHAR, 21) Name of the tier city. A city near the site that is the largest economic entity in the area and provides extensive commerce and services. Entry: name of city, ex: Macon, Columbus, Augusta, Valdosta, Brunswick, Savannah, Albany, Rome, Gainesville, Athens [Field used in SDB]

ORIG_DATE (CHAR, 9) Origination date of record. Internal use. [Field used in SDB]

OZONE (CHAR, 2) Ozone region, is the site in an air quality region. Thirteen regions in the state. See Ozone Regions in the appendix. Entry: Y, N or U [Field used in SDB]

PIG_SRV_MI (NUM, 8, 1) Miles to nearest railroad piggy-back service from the building site. Entry: number of miles [Field used in SDB]

PIG_SRV NA (CHAR, 21) Piggy-back service, nearest city. Entry: city name. Note: Cities with this service include: Atlanta, Savannah, Dalton, Jacksonville, FL. [Field used in SDB]

POLICE (CHAR, 21) Police name. Entry: name of the local police department with jurisdiction over the building site. [Field used in SDB]

PORT_CITY (CHAR, 21) Port City. Entry: name of the nearest city that has a port. Note: port cities include Savannah, Brunswick, Jacksonville, FL, etc. [Field used in SDB]

PORT_DIRCT (CHAR, 3) Port direction from the building site. Entry: an abbreviated direction, ex: N, S, E, W, NW, SW, NE, or SE. [Field used in SDB]

PORT_MILE (NUM, 8, 1) Port, Miles to nearest port. Entry: number of miles [Field used in SDB]

PORT_NAME (CHAR, 31) Port Name. Entry: name of the nearest ocean port from the building site, ex: Savannah, Brunswick, Jacksonville, FL, etc. [Field used in SDB]

PRICE_ACRE (NUM, 13, 2) Price per acre. Entry: a number for the dollars per acre, ex: 1500. [Field used in SDB]

PROB_SRV (NUM, 8) Problems in service. Internal use. [Field used in SDB]

PROP_USE (CHAR, 2) Proposed use. Property is designated to be used in a certain way. Entry: abbrev. for use: M (manufacturing) or I (industrial). [Field used in SDB]

PUB_AIR (CHAR, 51) Public Airport. Entry: name of the local public airport Note: public air port serves mostly private and corporate aircraft. [Field used in SDB]

PUB_AIR_AI (CHAR, 2) Public airport, does it have navigational aids? Response: Y, N [Field used in SDB]
PUB_AIR_LE (NUM, 6) Public Airport Length of runway. Entry: number of feet of the length [Field used in SDB]

PUB_AIR_LI (CHAR, 2) Public airport, is it a lighted runway? Entry: Y, N [Field used in SDB]

PUB_AIR_MI (NUM, 8, 1) Number of miles to nearest public airport. Entry: number of miles [Field used in SDB]

PUB_AIR_PA (CHAR, 2) Public airport, is it a paved runway? Entry: Y, N [Field used in SDB]

RDC (CHAR, 51) Regional Development Center that services the site. Allows space to enter the full name of the RDC. (Note: abbreviations used for the RDCs: OCO, CSR, NEG, MF, SWG, CF, GM, McT, SEG, CR, MG, CV, ARC, AGS, SG, LC, or NG.

REC_NUM (NUM, 8) Record Number assigned in the database to a complete set of information concerning a company, building or site. Internal use. Internal use. [Field used in SDB]

REF_CITY (CHAR, 2) Abbreviation for the city name where the site is located. Internal use. [Field used in SDB]

REM Acres (NUM, 13, 2) Remaining acres available at the site. Entry: a number for the acres, ex: 100. [Field used in SDB]

REVISE_BY (CHAR, 9) Revise by a certain date. Internal use. [Field used in SDB]

REVISE_DAT (CHAR, 9) Revise date of record. Internal use. [Field used in SDB]

RIVER (CHAR, 2) River, is there a substantial river that flows in the area. Entry: Y, N (The purpose concerns shipping by water.) [Field used in SDB]

RIVER_FLOW (NUM, 8) River flow. Internal use. [Field used in SDB]

RIVER_NAME (CHAR, 21) River's name [Field used in SDB]

RR SRV (CHAR, 2) Railroad Service, is it available? Entry: Y, N [Field used in SDB]

RR_SR_NM_1 (CHAR, 31) Railroad service number 1 or primary service supplier in the area. Entry: name of the company, ex: CSX Transportation, Norfolk Southern Corp. [Field used in SDB]

RR_SR_NM_2 (CHAR, 31) Railroad service number 2 or second service supplier in the area. Entry: name of company [Field used in SDB]
RR_SR_NM_3 (CHAR, 31) Railroad service number 3 or the third service supplier in the area. Entry: name of company [Field used in SDB]

S_MAIN_DIS (NUM, 8) Distance to nearest sewer main in miles and tenths of miles. Entry: number of miles, ex: 2 miles is 2.0, one half mile is 0.5. [Field used in SDB]

S_MAIN_LOC (CHAR, 26) Sewer Main Location. Entry: the name of street or road where the sewer line is located. [Field used in SDB]

S_MAIN_SIZ (NUM, 6) Sewer main size in inches. Entry: number of inches. [Field used in SDB]

SEWER (CHAR, 2) Sewer, is there a system with treatment available? Entry: Y, N [Field used in SDB]

SEWER_AVAI (CHAR, 2) Sewer available. Is sewer service available for this site? (Same as "SEWER") Entry: Y, N [Field used in SDB]

SEWER_REC (NUM, 8) Sewer Record. Internal use. [Field used in SDB]

SITE_ID (CHAR, 6) Site identification number or alphanumeric number used for a particular location. Internal use. [Field used in SDB]

SITE_NAME (CHAR, 51) Site name. Entry: local name used; ex: name could denote ownership or denote location. [Field used in SDB]

SOIL_SRVY (CHAR, 2) Has a soil survey been completed? Entry: Y, N or U -- unknown. [Field used in SDB]

SUB_NEGBL (CHAR, 2) Sub-dividing negotiable, is owner willing to negotiate on sub-dividing the land? Entry: Y, N. [Field used in SDB]

TERRAIN (CHAR, 26) Terrain, a description of the terrain. Entry: description, example of descriptive words used: Gently Rolling, Rolling, Flat, Hilly, Flat to Gently Rolling [Field used in SDB]

TOT_ACRES (NUM, 13, 2) Total acres of the site. Entry: a number for the acres, ex: 43. [Field used in SDB]

TRANS_LINE (NUM, 9, 1) Transmission line. Internal use. [Field used in SDB]

TRANS_VOLT (NUM, 8) Transmission voltage. Internal use. [Field used in SDB]
**W_MAIN_DIS** (NUM, 8) Water Main Distance. Distance to the water main expressed in miles and tenths of a mile. Entry: number of miles, ex: .4, 1.5, 4.3, etc. [Field used in SDB]

**W_MAIN_LOC** (CHAR, 26) Water Main Location. Entry: name of the road or highway. [Field used in SDB]

**W_MAIN_SIZ** (NUM, 6) Water main diameter expressed in inches. Entry: a number, ex: 2, 4, 6, 8, 10, 12, etc. [Field used in SDB]

**WATER** (CHAR, 2) Water available nearby? Entry: Y, N [Field used in SDB]

**WATER_AVAI** (CHAR, 2) Water available. Is water available for this site? (Same as "WATER"). Entry: Y, N [Field used in SDB]

**WATER_REC_** (NUM, 8) Water record. Internal use. [Field used in SDB]

**WATER_STOR** (NUM, 8, 2) Water Storage capacity in a water tower expressed in gallons. Entry: number expressing the capacity in millions of gallons, ex: 250,000 gallons is .25; 100,000 gallons is .1, etc. [Field used in SDB]

**WETLANDS** (CHAR, 2) Are wetlands present? Some information available on topographic maps. Entry: Y, N, U -- unknown. [Field used in SDB]

**X_COORD** (NUM, 12, 1) [Field used in SDB]

**Y_COORD** (NUM, 12, 1) [Field used in SDB]

**ZONING** (CHAR, 2) Current use classification of the adjacent property. Typical classifications are Industrial (I), Mixed Use (M), Agricultural (A), Residential (R), and Commercial (C). Entry: abbrev. for use, ex: I, M, A, R, and C. [Field used in SDB].
Georgia Industrial Buildings

Organization Doing Survey: ________________________________
Phone: ________________________________ Fax: ________________________________

NAME & LOCATION
Building Name: ________________________________
Site/Development Name: ________________________________
Street Address: ________________________________
City & Zip Code: ________________________________
Inside City Limits: Yes ___ No ___
If Outside City Limits, indicate:
Distance: _______ miles Direction: _______
County: ________________________________

BUILDING CHARACTERISTICS
Size: ________________________________ SF
Expandable to: ________________________________ SF
Subdividable into/units of: ________________________________ SF
Designed for multiple tenants: Yes ___ No ___
Office size: ________________________________ SF
Construction (all metal, metal & masonry, or tilt-up/precast concrete): ______________
Ceiling height: Min: _______ ft. Max: _______ ft
Floor thickness: _______ inches Type: _______
Number of truck doors:
   Drive-in _______ Dock High _______
Number of rail doors: ________________
Year Built: ________________________________
Specific Former Use: ________________________________
Air conditioning: __________________________________
Insulated: Yes ___ No ___ Sprinkler: Yes ___ No ___
No. of parking spaces: _______ cars
Building dimensions: _______ ft. x _______ ft.
Bay Spacing: _______ ft. x _______ ft.
Crane: How many? _______ Size: _______ ton
Freezer/Refrig. (tonnage, SF): _______
Boilers: Yes ___ No ___

SITE
On-Site Acreage: ________________________________ acres
Adjacent Acreage Available: ________________________________ acres

TERMS
Sale—Price $_________________________
Lease—Price $_________________________
(Please indicate actual price or price range.)

TRANSPORTATION
Nearest Interstate: ________________________________ miles
Distance from building: ________________________________ miles
Other Highways (Indicate if I, US, or GA)
____ Hwy. ______ Distance: ________________________________ miles
____ Hwy. ______ Distance: ________________________________ miles
Railroad(s) adjacent: __________________________________
Rail Spur to Building: Yes ___ No ___
Commercial Airport: ________________________________ miles
Distance from building: ________________________________ miles
Local Airport: ________________________________ miles
Distance from building: ________________________________ miles
Port or Barge Facility Adjacent: Yes ___ No ___

UTILITIES
Water Provider: ________________________________ inches
Main Size: ________________________________ inches
Sewer Provider: ________________________________ inches
Main Size: ________________________________ inches
Gas Provider: ________________________________ inches
Main Size/Pressure: _______ inches HP ___ LP ___
Fire Insurance Class (1-10): ________________________________
Electricity Provider (EMC/GP/City/Undetermined):
Volts: _______ Amperes: _______
Telecommunications Provider: ________________________________
CONTACTS

Primary Contact (Name and Address): ____________________________________________

____________________________________________________________________________

Phone: __________________________ Fax: __________________________

Additional Contact (Name and Address): __________________________________________

____________________________________________________________________________

Phone: __________________________ Fax: __________________________

Owner/Controlling Organization: ________________________________________________

____________________________________________________________________________

Ownership: Public ____ Private ____

Provide maps with site boundaries, site development plans, and any other information.

TRANSPORTATION COMMENTS

(Planned road improvements, travel times, motor carriers serving area, facilities at airport, etc.)

____________________________________________________________________________

____________________________________________________________________________

UTILITY COMMENTS

(Utility system details, planned improvements to water and sewer systems, elevated water storage tanks, flow volumes and pressures, etc.)

____________________________________________________________________________

____________________________________________________________________________

GENERAL COMMENTS

(Other special features of building; completion time required for speculative building; available financing, incentives & other considerations affecting price; etc.)

____________________________________________________________________________

____________________________________________________________________________
Using the Survey Form

I. Preliminary:

1. Interview types of contacts listed in previous section for possible available land or buildings and contact their owners or representatives for permission to interview them and inspect site/building for data base.

2. Interview owner(s), representative(s), or knowledgeable principal(s) on survey form. They should provide most of the information requested.

3. Make visual inspection and walk-through of building and premises or site.

II. Step by step explanation of questions on site survey.

Georgia Industrial Buildings

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BUILDING CHARACTERISTICS

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ITEM                        EXPLANATION

Designed for multiple tenants: Yes   No

Office size: _____ SF

Construction (all metal, metal & masonry, or tilt-up/precast concrete): ______

Ceiling height: Min: _____ ft.
Max: _____ ft

Floor thickness: ____ inches

Type: ______

Number of truck doors:

Drive-in ______

Dock High ____________

Number of rail doors: ________

Year Built: ____________

Specific Former Use: ______

Air conditioning: _______

Insulated: Yes ___  No ___

Sprinkler: Yes ___  No ___

No. of parking spaces: ______ cars

Building dimensions:
_________ ft. x _________ ft.
**ITEM**

Bay Spacing:

___________ ft. x __________ ft.

**EXPLANATION**

[11] Dimension (width by length) of area between columns by the span of the building. If no columns, give clear span.

Crane: How many? ___ Size: ___ ton

[16] Number. [41] Crane rated by the ton.

Freezer/Refrig. (tonnage, SF): ______

[23,24] Capacity or size measured by the ton and give SF of area.

Boilers: Yes ___ No ___

[22] Building serviced with a boiler(s)

**SITE**

On-Site Acreage: _______ acres


Adjacent Acreage Available: ___ acres

[31] Adjacent acreage that could be included in property now or later.

**TERMS**

Sale--Price $______________

[43*]

Lease--Price $______________

(Please indicate actual price or price range.)

**TRANSPORTATION**

Nearest Interstate: ________

[42*] EX: I-285

Distance from building: ________ miles

Other Highways (Indicate if I, US, or GA)

____ Hwy. ____ Distance: ________ miles

[42*] (I) Interstate, (US) Federal, (GA) State

Railroad(s) adjacent: ________

[32] Railroad(s) servicing building site or other sites.

Rail Spur to Building: Yes ____ No ____

[33]

*Note fields = 41-44
<table>
<thead>
<tr>
<th>ITEM</th>
<th>EXPLANATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial Airport: _________</td>
<td>[42*] Name of nearest commercial airport.</td>
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<tr>
<td>Distance from building: ______ miles</td>
<td>[42*]</td>
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<tr>
<td>Local Airport: ____________</td>
<td>[42*] Name of nearest local airport.</td>
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<td>Distance from building: ________ miles</td>
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<tr>
<td>Port/Barge Facility Adjacent: Yes _ No _</td>
<td>[42*]</td>
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**UTILITIES**

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<tr>
<td>Water Provider: __________</td>
<td>Name of City, County, Board, etc.</td>
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<tr>
<td>Main Size: ___________ inches</td>
<td>[34] EX: 4&quot;, 6&quot;, 8&quot;, 12&quot;</td>
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<td>Sewer Provider: __________</td>
<td>Name of City, County, Board, etc.</td>
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<tr>
<td>Main Size: __________ inches</td>
<td>[35] EX: 8&quot;</td>
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<tr>
<td>Gas Provider: __________</td>
<td>[38] Name of local distributor.</td>
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<tr>
<td>Main Size/Pressure: ___ inches HP ___ LP ___</td>
<td>[37] EX: 2&quot;, 4&quot; (HP) High Pressure, (LP) Low Pressure</td>
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<tr>
<td>Fire Insurance Class (1-10): ________</td>
<td>&quot;1&quot; is best, Insurance provider would know.</td>
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<td>Electricity Provider (EMC/GP/City/Undetermined)</td>
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<td>Volts: _____ Amperes: _____</td>
<td>Electric Company</td>
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<td>Telecommunications Provider: ________</td>
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**CONTACTS**

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<tr>
<td>Primary Contact (Name and Address):</td>
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<tr>
<td>Phone: ______ Fax: _____</td>
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*Note fields = 41-44*
ITEM
Additional Contact (Name and Address):
Phone: ______ Fax: ______

Owner/Controlling Organization:
Ownership: Public ____ Private ____ [44*] Public: Development authority, city, etc.
*Note fields = 41-44

TRANSPORTATION COMMENTS
(Planned road improvements, travel times, motor carriers serving area, facilities at airport, etc.)

In these spaces provide information you deem important but not covered in questions or not covered thoroughly enough. For instance, if a site is on a two lane road but is upgrading to four lane in the near future, that is significant. Talk to airport manager about service, daily flights, special features or capabilities of the airport.

UTILITY COMMENTS
(Utility system details, planned improvements to water and sewer systems, elevated water storage tanks, flow volumes and pressures, etc.)

This is a good place for a more concise description of the water and sewer system and the water and sewerage treatment facilities. Ask local water/sewer managers and experts to advise you.

GENERAL COMMENTS
(Other special features of building; completion time required for speculative building; available financing, incentives & other considerations affecting price; etc.)
Structure for database: A:\BLDG4.DBF
Number of data records: 830
Date of last update: 08/11/93

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Building Data Base Dictionary

AC (CHAR, 2) Air conditioning in building. Entry: Y, N. [Field used in BDB]

ACRES (NUM, 9) Acres in building's property site. Entry: the number of acres. [Field used in BDB]

ACRES_ADJC (NUM, 9) Acres adjacent to the building that may be available for expansion. Entry: the number of acres. [Field used in BDB]

ADDRESS (CHAR, 36) Street address of the building. [Field used in BDB]

BAY (CHAR, 11) Bay dimensions, Bay length X Span length. Bay is the distance between beams. Span is the unsupported length of a beam. Entry: is the distance of the bay by the distance of the span, example: 30' X 100'. Note: If the building is not divided into bays because the roof is supported by a large central beam, the words "clear story" is inserted. [Field used in BDB]

BLD_ID (NUM, 9) Building identification number, assigned by the database. Internal use. [Field used in BDB]

BLD_NAME (CHAR, 36) Building name. Entry: official name. [Field used in BDB]

BOIL (CHAR, 2) Boiler, is there one for heating system? Entry: Y, N [Field used in BDB]

CEIL_HT_MA (NUM, 11, 2) Ceiling Height Maximum, the highest ceiling height in the building. Entry: number with decimal expressing height in feet. [Field used in BDB]

CEIL_HT_MI (NUM, 11, 2) Ceiling height minimum, the lowest ceiling height in the building. If there is only one height it is listed under this descriptor. [Field used in BDB]

CITY (CHAR, 21) City, Entry: name of city in which the building is located or nearby. [Field used in BDB]

CONSTR (CHAR, 16) Construction type. The building is primarily made out of metal, concrete/masonry or a combination of those materials. Entry: utilize the shorter code or full description. [Field used in BDB]

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<th>Code</th>
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<td>MS</td>
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<td>MC</td>
<td>Masonry / Concrete (Tilt-Up)</td>
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<td>OT</td>
<td>Other</td>
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COOLER (CHAR, 7) Built-in refrigerated cooler. Entry: the area of the freezer expressed as the number of square feet. [Field used in BDB]

COUNTY (CHAR, 21) County in which the building is located [Field used in BDB]

CRANES (CHAR, 3) Cranes, how many cranes in the building? Entry: number of cranes. [Field used in BDB]

DIMENSION (CHAR, 11) Overall dimension of the building. Entry: width by length of the building. Example: 45' x 150' A shape that can not be expressed in this way is described as "Irregular." [Field used in BDB]

ELEC SUPP (CHAR, 7) Electric Supplier. Entry: Name of utility providing electricity to the building. Suppliers include: GPC, SEPCO, EMC, MEAG, Dalton, and CC. [Field used in BDB]

EXCL_AGNT_ (NUM, 9) Exclusive Agent. Internal use. Infrequent use. [Field used in BDB]

EXPAND_SIZ (NUM, 11, 2) Size Expandable to. Area that the building can be increased in size, measured in square feet. Entry: number of square feet. [Field used in BDB]

FLOOR_THIC (NUM, 11, 2) Thickness of the concrete floor, Entry: number for inches. Note: Typical thicknesses include 4, 5, 6, 8, and sometimes, 12 inches. [Field used in BDB]

FLYER (CHAR, 66) Flyer, advertising literature for building. Internal use. [Field used in BDB]

FORM_USE (CHAR, 22) Former use of the building. How did the last owner use the building. Entry: Describe with broad categories, such as SIC descriptors, ex: wholesale/distributor, textiles, food, lumber/wood, transportation equipment, chemical, etc. Note: see the Georgia Manufacturing Directory for SIC descriptors. [Field used in BDB]

FREEZE (CHAR, 7) Built-in freezer for perishable resources or products. Entry: number of square feet in freezer [Field used in BDB]

GAS_MAIN (NUM, 11, 2) Gas Main. Number of inches expressing Gas Main Size. Entry: a number of inches and tenths of inches, ex: .75 1.50, 2.00, 3.00, 4.00, 6.00, 8.00, and 16.00 Note: used same as GAS_MAIN_S in SDB. [Field used in BDB]

GAS_SUPP (CHAR, 5) Gas Supplier, Entry: MUNI, AGL or UC.? [Field used in BDB]

IN_CITY (CHAR, 2) In city, is the building in the city limits? Entry: Y, N [Field used in BDB]
**INSULATED** (CHAR, 2) Insulated, is building insulated for heating/cooling purposes. Entry: Y, N (Yes, No) [Field used in BDB]

**IT_DATE_AD** (CHAR, 9) Internal action [Field used in BDB]

**IT_DATE_RE** (CHAR, 9) Internal action [Field used in BDB]

**LAT** (NUM, 11, 6) Latitude, a number for the latitude of site, expressed in decimal form to the sixth place, ex: 31.954323. Note: Used for proper placing of the building on maps and geographical information systems.

**LOCAL_ID** (NUM, 9) Local identification, building reference number, Entry: a number assigned locally. [Field used in BDB]

**LOCSOURCE** (CHAR, 1) Location source. Internal use. [Field used in BDB]

**LON** (NUM, 11, 6) Longitude, a number for the longitude of the site, Entry: a number expressing longitude in whole numbers and decimal form to the sixth place, ex: 85.123456, 84.100000 Note: Used for proper placing of the building on maps and geographical information systems. [Field used in BDB]

**NOTE_1** (CHAR, 66) Note One. Entry: comments on building or status of events. [Field used in BDB]

**NOTE_2** (CHAR, 66) Note Two. Entry: comments on building or status of events. [Field used in BDB]

**NOTE_3** (CHAR, 66) Note Three. Entry: comments on building or status of events. [Field used in BDB]

**NOTE_4** (CHAR, 66) Note Four. Entry: comments on building or status of events. [Field used in BDB]

**OFF_AREA** (NUM, 7) Office area. Entry: numeric equivalent of "OFF_SPACE" but with no commas, example: "8000" instead of "8,000." [Field used in BDB]

**OFF_SPACE** (CHAR, 7) Office space, area measured in square feet. Example: 200' X 40' Office = 800 square feet. Response is "8,000." [Field used in BDB]

**OWNER_ID** (NUM, 9) Owner identification number. Not used. [Field used in BDB]

**PARK** (CHAR, 5) Parking spaces at the site. Entry: the number of parking spaces. [Field used in BDB]
PLACELAT (NUM, 10, 6) Place latitude. Internal use. [Field used in BDB]

PLACELON (NUM, 11, 6) Place longitude. Internal use. [Field used in BDB]

RAIL_DOOR (NUM, 11, 2) Rail door for unloading rail cars that are on a side track next to the building. Entry: the number rail doors. [Field used in BDB]

RAIL_POSS (CHAR, 2) Rail poss?? Entry is Y, N [Field used in BDB]

RAIL_SIDIN (CHAR, 5) Rail siding. Entry: the abbrev. for the railroad company serving that site. Example: CSX, NS, GN [Field used in BDB]

RDC (CHAR, 4) Regional Development Center that services the site. Allows space to enter abbreviation only. Note: abbreviations used for the RDCs: OCO, CSR, NEG, MF, SWG, CF, GM, McT, SEG, CR, MG, CV, ARC, AGS, SG, LC, or NG.

SEWER_MAIN (NUM, 11, 2) Sewer main. Entry: the number of inches expressing the Sewer Main Size. Ex: Typical: 8 and 10 inches. Other includes 4, 12, and 16 inches. [Field used in BDB]

SOUNDCITY (CHAR, 30) Internal use. Not used. [Field used in BDB]

SPRKLER (CHAR, 2) Sprinkler system. Entry: Y, N [Field used in BDB]

SQ_FT (NUM, 11, 2) Area of the building in square feet. Entry: the number of square feet. [Field used in BDB]

TRUCK_DOOR (NUM, 11, 2) Truck door for cargo off-loading. Entry is the number of truck doors. [Field used in BDB]

TYPE (CHAR, 11) Type of concrete floor. Entry: standard, special, or complex [Field used in BDB]

WATER_MAIN (NUM, 11, 2) Water main size. Entry is the number of inches expressing the Water Main Size. Most common are 8 and 10 with other sizes including 2,4,6,12, and 16 inches. [Field used in BDB]

X_COORD (NUM, 12, 1) [Field used in BDB]

Y_COORD (NUM, 12, 1) [Field used in BDB]

YEAR_BUILT (NUM, 5) Year the building was constructed. Entry: the year, ex: 1991. [Field used in BDB]
ZIP (CHAR, 11) Zip code for the building's address. Entry: 5 or 10 digit zip. [Field used in BDB]
Georgia Manufacturers Survey

Organization doing survey: ________________________________
Phone: __________________ Fax: _________________________

Company Name: ______________________________________
Street Address: ______________________________________
Mailing Address: ______________________________________
City, Zip Code: ______________________________________
County: __________________________ Date Established: ______
Market Area Served: __________________________________

Home Office City, State: ________________________________
Parent Company: ______________________________________
  City, State: _______________________________________
Chief Plant Executive: _________________________________
Sales Executive: ______________________________________
  City, State if not at plant: ___________________________
International Sales Executive: __________________________
  Location if not at plant: _____________________________
Purchasing Agent: ___________________________________
  City, State if not at plant: ___________________________

Most Important Product: _________________________________
Second Most Important Product: _________________________
Third Most Important Product: __________________________
Phone Number: ( ) __________ Fax Number: ( ) __________
Employment (Number): Male: ______ Female: ______ Total: ______

(93.08)
Using the Survey Form

The Georgia Manufacturer's survey is maintained by the Georgia Department of Industry and Trade (GDITT). Because the Georgia Manufacturing Directory is published yearly by the GDITT, it is important to maintain accuracy and accountability to the participating companies. In order for GDITT to publish the survey information, a company has to be manufacturing products in Georgia and must give written permission. GDITT handles all this yearly by letter and survey form. Interested agencies or organizations can submit the names, addresses, and brief descriptions of company products to the GDITT:

Deborah Battle, Editor
Directory Section
GDITT
P.O. Box 56706
Atlanta, GA 30343

They accept leads at all times, but the window of opportunity for getting the new companies into the next year addition is September/November of the preceding year. Therefore, this survey is presented for educational purposes only. Please follow GDITT procedures in recommending local companies for the annual directory.

Georgia Manufacturers Survey

<table>
<thead>
<tr>
<th>ITEM</th>
<th>EXPLANATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Name:</td>
<td>[3]</td>
</tr>
<tr>
<td>Street Address:</td>
<td>[5]</td>
</tr>
<tr>
<td>Mailing Address:</td>
<td>[5]</td>
</tr>
<tr>
<td>City, Zip Code:</td>
<td>[7,9]</td>
</tr>
<tr>
<td>County:</td>
<td>[12,30]</td>
</tr>
<tr>
<td>Date Established:</td>
<td>EX: Southeast, U.S., Europe</td>
</tr>
<tr>
<td>Market Area Served:</td>
<td>[10]</td>
</tr>
<tr>
<td>Home Office City, State:</td>
<td>[3]</td>
</tr>
<tr>
<td>Parent Company:</td>
<td>[6]</td>
</tr>
<tr>
<td>City, State:</td>
<td>[16,17]</td>
</tr>
<tr>
<td>Chief Plant Executive:</td>
<td>[16,17]</td>
</tr>
<tr>
<td>Sales Executive:</td>
<td>[16,17]</td>
</tr>
<tr>
<td>City, State if not at plant:</td>
<td>[16,17]</td>
</tr>
<tr>
<td>International Sales Executive:</td>
<td>[16,17]</td>
</tr>
<tr>
<td>ITEM:</td>
<td>EXPLANATION</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>Location if not at plant: ____</td>
<td>[16,17]</td>
</tr>
<tr>
<td>Purchasing Agent: __________</td>
<td></td>
</tr>
<tr>
<td>City, State if not at plant: ____</td>
<td>[19]</td>
</tr>
<tr>
<td>Most Important Product: ____</td>
<td>[21]</td>
</tr>
<tr>
<td>Second Most Important Product: ____</td>
<td>[23]</td>
</tr>
<tr>
<td>Third Most Important Product: ____</td>
<td></td>
</tr>
<tr>
<td>Phone Number: (____<strong>)</strong>__</td>
<td>[14]</td>
</tr>
<tr>
<td>Fax Number: (____<strong>)</strong>__</td>
<td>[15]</td>
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<tr>
<td>Employment (Number):</td>
<td></td>
</tr>
<tr>
<td>Male: ____</td>
<td>[32]</td>
</tr>
<tr>
<td>Female: ____</td>
<td>[31]</td>
</tr>
<tr>
<td>Total: ____</td>
<td>[33]</td>
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</table>
Structure for database: C:\DBASE\MANDIR.DBF
Number of data records: 8892
Date of last update: 03/09/93

<table>
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<th>Field Name</th>
<th>Type</th>
<th>Width</th>
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<th>Index</th>
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<td>1</td>
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</tr>
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<td>2</td>
<td>SRID</td>
<td>Character</td>
<td>9</td>
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</tr>
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<td>3</td>
<td>NAME</td>
<td>Character</td>
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</tr>
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<td>PADDRESS</td>
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</tr>
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<td>N</td>
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<tr>
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<td>Character</td>
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<td>Character</td>
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<td>Character</td>
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<td></td>
<td>N</td>
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<td>12</td>
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<td>Character</td>
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<td></td>
<td>N</td>
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<td>Character</td>
<td>11</td>
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<td>N</td>
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<td>PHONE</td>
<td>Character</td>
<td>12</td>
<td></td>
<td>N</td>
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<td>FAXNUMBER</td>
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<tr>
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<td>SIC2</td>
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</tr>
<tr>
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<td>DESC2</td>
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<td>30</td>
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<td>N</td>
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<td>SIC3</td>
<td>Character</td>
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<td>N</td>
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<tr>
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<td>DESC3</td>
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<td>30</td>
<td></td>
<td>N</td>
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<td>N</td>
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<td>Date</td>
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<td></td>
<td>N</td>
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<tr>
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<td>N</td>
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<tr>
<td>35</td>
<td>GASENATE</td>
<td>Numeric</td>
<td>3</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>36</td>
<td>USHOUSE</td>
<td>Numeric</td>
<td>3</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>37</td>
<td>CONTCODE</td>
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<td>2</td>
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<td>RECNUM</td>
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<tr>
<td>39</td>
<td>LAT</td>
<td>Numeric</td>
<td>10</td>
<td>6</td>
<td>N</td>
</tr>
<tr>
<td>40</td>
<td>LON</td>
<td>Numeric</td>
<td>11</td>
<td>6</td>
<td>N</td>
</tr>
<tr>
<td>41</td>
<td>ZIP</td>
<td>Character</td>
<td>5</td>
<td></td>
<td>N</td>
</tr>
</tbody>
</table>

** Total ** 621
Manufacturers Data Base Dictionary

CONTCODE (NUM, 2) Not used  [Field used in MDB]

COUNTY (CHAR, 21) County in which the building is located. Entry: name of county. [Field used in MDB]

DESC1 (CHAR, 30) Description of the SIC, first product. The "DESC1" for SIC 2448 is "wood pallets and skid." Entry: SIC description [Field used in MDB]

DESC2 (CHAR, 30) Description of the SIC, second product. The "DESC2" for SIC 2448 is "wood pallets and skid." Entry: SIC description [Field used in MDB]

DESC3 (CHAR, 30) Description of the SIC, third product. The "DESC2" for SIC 2448 is "wood pallets and skid." Entry: SIC description [Field used in MDB]

DESC4 (CHAR, 30) Description of the SIC, fourth product. The "DESC2" for SIC 2448 is "wood pallets and skid." Entry: SIC description [Field used in MDB]

DESCALL (CHAR, 100) Listing of all the descriptions for each SIC for products this company manufactures in the state, ex: broom handles, finished posts, wood casing. [Field used in MDB]

EXECTITLE (CHAR, 30) Executive's title. Entry: Plant Manager, CEO, President, etc. [Field used in MDB]

EXECUTIVE (CHAR, 35) The ranking executive's name. Entry: first, middle, and last name. [Field used in MDB]

FAXNUMBER (CHAR, 12) The company's FAX number, if it has one. Entry: phone number, ex: 912-751-6910 [Field used in MDB]

FEMEMPL (NUM, 5) Female employment, Entry: number of employees that are female, ex: 1091 [Field used in MDB]

FIRSTSDATE (DATE, 8) First date, a time the manufacturer was contacted. Internal use. [Field used in MDB]

GAHOUSE (NUM, 3) Georgia State House District. Not used [Field used MDB]

GASENATE (NUM, 3) Georgia State Senate district. Not used [Field in MDB]

LASTUPDATE (DATE, 8) Last date record updated, day/month/year. Internal use. [Field used in MDB]
LAT (NUM, 10,6) Latitude given in number and decimal form. [Field used MDB]

LON (NUM,11,6) Longitude given in number and decimal form. [Field used MDB]

MADDRESS (CHAR, 29) Company's mailing address. [Field used in MDB]

MALEMPL (NUM, 5) Male employment. Entry: number of employees that are male. [Field used in MDB]

MCITY (CHAR, 20) City of the company's mailing address. Entry: name of city [Field used in MDB]

MSTATE (CHAR, 2) State of the mailing address. Entry: two letter post office abbrev. for state, ex: GA [Field used in MDB]

MZIP (CHAR, 10) Mailing zip code. Entry: 5 or 10 digit zip. [Field used in MDB]

NAME (CHAR, 40) Name of the company. Entry: full name [Field used in MDB]

PADDRESS (CHAR, 29) Parent company's address. Parent company owns company being surveyed. Entry: address, ex: 151 Main Street [Field used in MDB]

PCITY (CHAR, 20) Parent company's home city. The parent company owns the business being surveyed. Entry: the city where the parent company is located. [Field used in MDB]

PHONE (CHAR, 12) Company's phone number Entry: phone number, ex: 9120-567-9876 [Field used in MDB]

PSTATE (CHAR, 2) Parent company's state. The parent company owns the business being surveyed. Entry: the two letter abbreviation for the state in which the parent company is located. [Field used in MDB]

PZIP (CHAR, 10) Parent company zip code. The parent company owns the business being surveyed. Entry: the zip code for the parent company's mailing address, either a 5 or 10 digit zip code number. [Field used in MDB]

RECEIVER (LOG, 1) Internal use. [Field used in MDB]

RECNUM (NUM, 5) Record number assigned in the database to a complete set of information concerning a company, building or site. Internal use. [Field used in MDB]

SIC1 (CHAR, 4) Standard Industrial Code (SIC), first product. Entry: four digit SIC number that corresponds to a type of manufactured product. Example: 2448 is wood pallets and skids; 2011 is beef & pork processing. Note: See GDITT Manufacturing Directory. [Field used in MDB]

SIC2 (CHAR, 4) Standard Industrial Code (SIC), second product. (See SIC1) Entry: four digit SIC number [Field used in MDB]

SIC3 (CHAR, 4) Standard Industrial Code (SIC), third product. (See SIC1) Entry: four digit SIC number [Field used in MDB]

SIC4 (CHAR, 4) Standard Industrial Code (SIC), fourth product. (See SIC1) Entry: four digit SIC number [Field used in MDB]

SICALL (CHAR, 22) Listing of all Standard Industrial Codes for products this company manufactures in the state. Entry: list of four digit SIC, ex: /2342/2344/2345/. [Field used in MDB]

SRID (CHAR, 9) Identification number assigned to the company. Internal use. [Field used in MDB]

TOTEMPL (NUM, 5) Total employment Entry: number of employees [Field used in MDB]

USHOUSE (NUM, 3) U.S. House of Representatives district. Not used [Field in MDB]

YRESTBLSHD (CHAR, 4) Year established as a company. Entry: the year ex:1909, 1967, 1985, etc. [Field used in MDB]

ZIP (CHAR, 5) Zip code that the plant is located in. Often used to put manufacturers location on GIS map. Entry: 5 digit zip [Field used in MDB]
APPENDIX
How to Use DBase IV Database Dictionaries

The database dictionaries used in this publication correspond to the Georgia Power Site Database, Georgia Department of Industry, Trade, and Tourism (GDITT) Building Database, and the GDITT Manufacturing Database. These dictionaries provide the full name of the field, definition of the fields, proper entries for each field, and the use of the field, if not apparent.

Key to the dictionary:

SIC\textsuperscript{1} (CHAR, 4)\textsuperscript{2} Standard Industrial Code (SIC), first product.\textsuperscript{3} SIC is a number that corresponds to a type of manufactured product.\textsuperscript{4} Example: 2448 is wood pallets and skids; 2011 is beef & pork processing.\textsuperscript{5} Note: See the Georgia Department of Industry, Tourism, and Trade publication, Georgia Manufacturing Directory.\textsuperscript{6} Entry: four digit SIC number.\textsuperscript{7} [Field used in MDB]\textsuperscript{8}

1 SIC\textsuperscript{1} -- the data field name. It can only be eight letters or numbers, unless a period is used between the eighth and ninth character, example: A1B2C3D4.E5. The purpose of the field name is to help identify the field, its input, and use to the database user.

2 (CHAR, 4) -- ([FIELD TYPE]\textsuperscript{a}, [FIELD WIDTH]\textsuperscript{b}, [DECIMAL PLACES]\textsuperscript{c}) Example: CHAR = [field type]; 4 = [field width]; [blank = no decimal]

\textsuperscript{a} Field types used in the state economic development databases and utilized in this dictionary are as follows: CHARACTER (CHAR), NUMERIC (NUM), LOGICAL (LOG), and DATE (DATE). [See Data Field Types in Appendix: Database Structures for further information.]

\textsuperscript{b} The field width determines how much space has been set aside in the database for the entries in a particular field. The ideal width is designed to receive all possible responses for a particular field without taking more space than necessary.

\textsuperscript{c} Decimal places are used only in NUMERIC fields and determine whether a number can be expressed in tenths, hundredths, thousandths, etc. Example: (NUM, 4, 2), 12.38; (NUM, 6, 6), .197865; (NUM 8, 3), 45602.756. For more information see Data Field Widths in Appendix: Data Base Structures.
3 Standard Industrial Code (SIC), first product -- the literal meaning or interpretation of the field name.

4 SIC is a ... product -- a definition, description of what the field name represents, its significance and purpose.

5 Example -- an illustration of its function and relation to other things, processes or procedures.

6 Note -- further reference source or brief additional information.

7 Entry -- description of appropriate expressions, symbols, abbreviations, numbers, etc. to put in the field; Y (Yes), N (No).

8 [Field used in...] -- the database(s) in which this field is used. Will be one or more of the following:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDB</td>
<td>Manufacturing Database</td>
<td>GDITT</td>
</tr>
<tr>
<td>SDB</td>
<td>Site Database</td>
<td>Georgia Power</td>
</tr>
<tr>
<td>BDB</td>
<td>Building Database</td>
<td>GDITT</td>
</tr>
</tbody>
</table>
How to Understand Data Base Structures

Before information can be stored in a database file, the structure must be created from fields that are specifically defined according to the following characteristics:

**Field Name**
Type
Width
Decimal Places (for a numeric field)
Field Index Flag

**FIELD NAME**

There are a few simple rules to follow in creating field names:

1. Each field has a unique name, no two are the same.
2. The name can have no more than ten characters.
3. The first character must be a letter; numbers can follow.
4. Blank spaces and punctuation marks cannot be used.
5. The underscore ( _ ) is the only other symbol allowed.

**FIELD TYPE**

Each field has to be categorized as a data type. dBase IV uses six data types but only four are used in these databases and are defined as follows:

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Description</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARACTER</td>
<td>Textual information, including numbers for description not for math operations. Length of field, can use no more than 254 characters.</td>
<td>John Smith 114 S. Main GA, 31208 $100.50 #*?!!</td>
</tr>
<tr>
<td>(CHAR)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NUMERIC</td>
<td>Any numeric value for math operation; quantities and prices No commas or dollar signs used</td>
<td>10 -123.45345 1500000</td>
</tr>
<tr>
<td>(NUM)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Data Type** | **Description** | **Examples**
--- | --- | ---
LOGICAL | Contains a true (T) or a false (F). Cannot understand any other expression. Used in a field to show a task performed, example: RECEIVED, (T) we have received the company's reply or (F) we have not received it. | T  
F |

**DATE** | Any date stored in the format of MM/dd/yy | 12/8/90  
12/31/89 |

**FIELD WIDTHS AND DECIMALS**

Field width must be specified for numeric and character fields but is predetermined for logical and date fields. The width is the maximum number of characters allowed in the field. Width is indicated in this dictionary as the first number, the second number (if there is one) indicates the number of decimal positions. Example: (NUM, 18, 3) is

- NUM = field type  
- 18 = number of digits max. incl signs (+, -) and decimal points  
- 3 = number of decimal positions allowed

<table>
<thead>
<tr>
<th>Field Type</th>
<th>Width Range</th>
<th>Purpose and Examples</th>
</tr>
</thead>
</table>
| CHAR | 1...254 characters | Takes text. Any number or letter word or name  
(CHAR, 15) | Apples, oranges  
(CHAR, 18) | (12%*) & (+ and pears |
| Numeric | 1...20 digits, including decimal positions, signs (+) (-) and decimal point, | Allows mathematical computations.  
(NUM, 4) | 1234, -321, 32, 1  
(NUM, 4, 2) | 1000, -34.2, 8.01 |
<table>
<thead>
<tr>
<th>Field Type</th>
<th>Width Range</th>
<th>Purpose and Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logical</td>
<td>2 (fixed)</td>
<td>T or F Used as a logic function</td>
</tr>
<tr>
<td>Date</td>
<td>8 (fixed)</td>
<td>01/12/90</td>
</tr>
</tbody>
</table>

Each character position takes up one byte. Each record can be defined up to 255 fields. The maximum field size is 4,000 bytes. Because of these limitations and the obvious processing time for large databases, there are advantages in carefully determining the width of the fields to save space and enhance processing time. If the largest number of digits necessary is eleven, such as in a social security number with signs (999-90-9090), why ask for a field larger than (NUM, 11)? By the same reasoning, if a character field can utilize abbreviations as well as the full word (GA instead of Georgia) space is saved.

**FIELD INDEX**

The field index is either "N" or "Y." The letter Y tells the program to index on that field, either in ascending or descending alphabetical order. The letter N tells the database not to index.
<table>
<thead>
<tr>
<th>FIPS Codes--County List</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  Appling</td>
</tr>
<tr>
<td>3  Atkinson</td>
</tr>
<tr>
<td>5  Bacon</td>
</tr>
<tr>
<td>7  Baker</td>
</tr>
<tr>
<td>9  Baldwin</td>
</tr>
<tr>
<td>11 Banks</td>
</tr>
<tr>
<td>13 Barrow</td>
</tr>
<tr>
<td>15 Bartow</td>
</tr>
<tr>
<td>17 Ben Hill</td>
</tr>
<tr>
<td>19 Berrien</td>
</tr>
<tr>
<td>21 Bibb</td>
</tr>
<tr>
<td>23 Bleckley</td>
</tr>
<tr>
<td>25 Brantley</td>
</tr>
<tr>
<td>27 Brooks</td>
</tr>
<tr>
<td>29 Bryan</td>
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<tr>
<td>31 Bulloch</td>
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<tr>
<td>33 Burke</td>
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<td>35 Butts</td>
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<td>37 Calhoun</td>
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<td>39 Camden</td>
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<tr>
<td>43 Candler</td>
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<td>45 Carroll</td>
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<td>47 Catoosa</td>
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<td>49 Charlton</td>
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<tr>
<td>51 Chatham</td>
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<tr>
<td>53 Chattahoochee</td>
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<tr>
<td>55 Chattooga</td>
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<tr>
<td>57 Cherokee</td>
</tr>
<tr>
<td>59 Clarke</td>
</tr>
<tr>
<td>61 Clay</td>
</tr>
<tr>
<td>63 Clayton</td>
</tr>
</tbody>
</table>
FIPS Codes--County List (continued)

253  Seminole  315  Wilcox
255  Spalding  317  Wilkes
257  Stephens  319  Wilkinson
259  Stewart  321  Worth
261  Sumter
263  Talbot
265  Taliaferro
267  Tattnall
269  Taylor
271  Telfair
273  Terrell
275  Thomas
277  Tift
279  Toombs
281  Towns
283  Treutlen
285  Troup
287  Turner
289  Twiggs
291  Union
293  Upson
295  Walker
297  Walton
299  Ware
301  Warren
303  Washington
305  Wayne
307  Webster
309  Wheeler
311  White
313  Whitfield
Atlanta Ozone Non-Attainment Area

Includes following counties:

- Cherokee
- Clayton
- Cobb
- Coweta
- Dekalb
- Douglas
- Fayette
- Forsyth
- Fulton
- Gwinnett
- Henry
- Paulding
- Rockdale

Existing Ozone Non-Attainment Area

50 mile radius

Source: Georgia Environmental Protection Division (EPD)
June 1991