



ARCH 3612 Design VI Housing Studio

Assignment: Site Analysis

ASSIGNMENT: Site Documentation....then Analysis

Site Analysis discussion. Site Visit.
Site is three city blocks that contain the Farragut Houses



RENTAL DRAWING

TYPICAL FLOOR	APTS	NEAR FLOOR	TOTAL
1	10	10	20
2	10	10	20
3	10	10	20
4	10	10	20
5	10	10	20
6	10	10	20
7	10	10	20
8	10	10	20
9	10	10	20
10	10	10	20
11	10	10	20
12	10	10	20
13	10	10	20
14	10	10	20
15	10	10	20
16	10	10	20
17	10	10	20
18	10	10	20
19	10	10	20
20	10	10	20
21	10	10	20
22	10	10	20
23	10	10	20
24	10	10	20
25	10	10	20
26	10	10	20
27	10	10	20
28	10	10	20
29	10	10	20
30	10	10	20
31	10	10	20
32	10	10	20
33	10	10	20
34	10	10	20
35	10	10	20
36	10	10	20
37	10	10	20
38	10	10	20
39	10	10	20
40	10	10	20
41	10	10	20
42	10	10	20
43	10	10	20
44	10	10	20
45	10	10	20
46	10	10	20
47	10	10	20
48	10	10	20
49	10	10	20
50	10	10	20
51	10	10	20
52	10	10	20
53	10	10	20
54	10	10	20
55	10	10	20
56	10	10	20
57	10	10	20
58	10	10	20
59	10	10	20
60	10	10	20
61	10	10	20
62	10	10	20
63	10	10	20
64	10	10	20
65	10	10	20
66	10	10	20
67	10	10	20
68	10	10	20
69	10	10	20
70	10	10	20
71	10	10	20
72	10	10	20
73	10	10	20
74	10	10	20
75	10	10	20
76	10	10	20
77	10	10	20
78	10	10	20
79	10	10	20
80	10	10	20
81	10	10	20
82	10	10	20
83	10	10	20
84	10	10	20
85	10	10	20
86	10	10	20
87	10	10	20
88	10	10	20
89	10	10	20
90	10	10	20
91	10	10	20
92	10	10	20
93	10	10	20
94	10	10	20
95	10	10	20
96	10	10	20
97	10	10	20
98	10	10	20
99	10	10	20
100	10	10	20

FARRAGUT HOUSES
PROJECT NO. 100

UNIT "B"

SCALE IN FEET DATE 6-10-00

REV 0.00

REV 4.00

REV 6.00

REV 8.00

REV 10.00

REV 12.00

REV 14.00

REV 16.00

REV 18.00

REV 20.00

REV 22.00

REV 24.00

REV 26.00

REV 28.00

REV 30.00

REV 32.00

REV 34.00

REV 36.00

REV 38.00

REV 40.00

REV 42.00

REV 44.00

REV 46.00

REV 48.00

REV 50.00

REV 52.00

REV 54.00

REV 56.00

REV 58.00

REV 60.00

REV 62.00

REV 64.00

REV 66.00

REV 68.00

REV 70.00

REV 72.00

REV 74.00

REV 76.00

REV 78.00

REV 80.00

REV 82.00

REV 84.00

REV 86.00

REV 88.00

REV 90.00

REV 92.00

REV 94.00

REV 96.00

REV 98.00

REV 100.00



Site analysis is an integral and necessary step in the design process that involves research and understanding of a specific site and its environment.

The process is essential to understand design opportunities and challenges at both the urban and building scales.

The process involves Site Documentation and Site analysis.

More than just one element goes into a given site analysis. These elements include location, neighborhood context, site and zoning, legal elements, natural physical features, man-made features, circulation, utilities, sensory, human and cultural, and climate components.

Objective

Students will analyze social patterns, behaviors, flows, and narratives specific to our site

Initially, student groups will form to collaborate and document site-specific characteristics.

Structure

The studio will work in four groups. Each group will select an area of expertise from the list below.

The studio will collectively generate the following documentation:

Site Documentation: To develop drawings documenting existing conditions that serve as a basis for contextual analysis and architectural design work

Site Analysis: To develop a clear understanding of contextual forces in society and within the built environment that inform architectural and urban design strategies.

Document your site by gathering photos and visiting the site and taking your own photos. Make sure you show a **map** and a **site analysis** as to why this is an ideal location for your clients.

Create one base map that the entire group can use to document the following:

Answer the following:

SITE: Location- *The site should be related to major streets or landmarks previously existing. Aerial photographs help in this assessment stage. There should be documentation of distances and time from major places.*

SITE: History *includes neighborhood history, timeline, images, text*

SITE: Generalities- *Includes, figure ground, neighborhood context, greenspace, places of interaction, accessibility, schools, places of worship, community centers, etc.*

SITE: Legal Elements *Includes zoning classifications, FAR, set-backs, height restrictions, allowable site coverage, uses, and parking requirements etc.*

SITE: Zoning Envelope ** *The 3D volume representing maximum limits of the massing of the building.*

SITE: Demographics *Includes race, income, ethnicity, national origin, building cost, etc.*

SITE: Land Use** *This documents the various uses throughout the adjoining neighborhood of the site.*

SITE: Commerce *Includes hotels, restaurants, lounges, cafes, bars etc.*

SITE: Circulation/Pathways *Includes Residential to Commercial, Residential to Residential, Subways to Residential & Commercial, bike paths, walking distance – 5, 10, 15 min radius, Schools to Commercial, etc.*

SITE: Urban Fabric *Includes façade patterning, materials, hierarchies, solid/void, rhythm, repetition, etc.*

SITE: Views *from the site. Frame the views that occur from your site.*

SITE: Climate and Natural Light *Includes natural light intensity, natural light density, analysis over time/space, flood zones, etc.*

SITE STRATEGY DIAGRAM** **Collage of your major impacts to the site.** *This is one sheet that highlights the most influential elements that were found in your site analysis. This site diagram will guide you in making decisions in your design process. It is a summary of what you found during the site analysis.*

** Additional Assignments to be collected

HOMEWORK: Full Site Inventory and Analysis along with a GROUP Zoning envelope.



Sources

Sanborn Maps
Google Earth
USGS surveys
U.S. Census
www.oasisnyc.org

Field Study

Visit and document site-specific information related to your chosen area of expertise. Your field study should extend beyond into the greater neighborhood vicinity. Using a camera, measured sketches, mapped documentation, and other devices--record what you see. Your documentation may include:
street widths, sidewalk widths, building dimensions, façade elevations, site context sketches, site sections, etc.

Requirements

Using the Site Analysis Template – document the various aspects of the Site. This work is to be divided among your group.

Student groups will generate precise base drawings of the following:
context plan, site plan, site sections, site elevations, massing diagrams, etc.

There are two separate assignments as a part of the Site Analysis that will be documented to show compliance with NAAB requirements.