



Landscape Planning

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Abstract:

A Family's house and grounds should provide them with a source of pride ,a retreat for relaxation, a place for entertaining friends, and a refuge from workday pressures. The area around home is an important part of human living environment .it can add pleasure to the human's life. Landscaping can also increase property value .landscaping plays very important role to balance ecology. As detail survey carried with relation to human being's daily life's routine, it is found that "every human being spend his major part of life i.e 75 % of life in buildings & very few time he or she spend their life in nature i.e 25 % while travelling or some sites like picnic spot for relaxations from their daily busy schedule of life. Human being's are the part of nature, but due to advance technologies & inside home entertainment facilities & busy working schedules he or she are going away from nature & it's very dangerous for human being's life, indoor atmospheres of buildings gives all types of facilities but not the natural environment, this thing will put extra stress on his or her mind or on their life. So natural environment is very essential for human beings to remove their daily stress with help of nature.

Keywords: *landscape Planning & design*

1. Introduction

Residential environment also plays a vital role in urban environment. Today's living environment is no longer the easy living space, but one of the important places for people to enjoy and communicate. With corresponding to three elements which are work, live and entertainment for modern urban people, residential area becomes the bay with natural and tranquil environment when people come home after a busy work. Pleasant environment is an inherent demand for urban citizen. In addition, residential environment also plays a vital role in urban environment. Today's living environment is no longer the easy living space, but one of the important places for people to enjoy and communicate. With corresponding to three elements which are work, live and entertainment for modern urban people, residential area becomes the bay with natural and tranquil environment when people come home after a busy work. Pleasant environment is an inherent demand for urban citizen. As the people's living standard is improving, more and more residents have gradually converted from the simple pursuit of comfortable residential areas to the higher quality requirements of external environment. It is necessary to have a relaxed living environment in the leisure time. Urban people spend half and even two-thirds of the whole day in residential areas. Therefore, the quality of environment directly affects people's physical, mental and spiritual life. Such a development undoubtedly brings a higher demand for planners and designers. In another words, we must not only focus on residential apartment building construction itself, but also pay more attention to residential landscape.

2. Landscape Planning For Residential Building

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enjoy and communicate. With corresponding to three elements which are work, live and entertainment for modern urban people, residential area becomes the bay with natural and tranquil environment when people come home after a busy work. Pleasant environment is an inherent demand for urban citizen. As the people's living standard is improving, more and more residents have gradually converted from the simple pursuit of comfortable residential areas to the higher quality requirements of external environment. It is necessary to have a relaxed living environment in the leisure time. Urban people spend half and even two-thirds of the whole day in residential areas. Therefore, the quality of environment directly affects people's physical, mental and spiritual life. Such a development undoubtedly brings a higher demand for planners and designers. In another words, we must not only focus on residential apartment building construction itself, but also pay more attention to residential landscape.

Home owners can plant different varieties of fruits, flowers and shadow trees, vegetables, those may attract the birds in the home surrounding, these fruit trees and vegetables and different type of bird species are helpful for growing children's to make love about the nature and learn different things from the nature. So it is essential to consider children's playing area in landscape.

3. Benefits of Landscaping

Landscape is our part of life, human beings, animals and bird's survival mostly depends upon natural and artificial landscaping. Human animals and birds without landscaping there is no meaning. Followings are the benefits of landscaping in consideration of residential buildings.

- a) Its make balance of ecology.
- b) Its gives pleasant atmosphere around home.
- c) Its improves aesthetic views of homes.
- d) Its control dust moving into homes
- e) Its control noise.
- f) Its gives outdoor privacy.
- g) Its control the outside & inside temperatures of buildings.
- h) Its protects soil from its erosion.
- i) Its reduces the sudden runoff in case of rainy days.
- j) Its provides fresh flowers, fruits and vegetables.
- k) It s supply cool air to the home inside.
- l) Its provides space for relaxation for younger's and elders.
- m) Provides playing area for children's.
- n) Control air pollution.

4. Residential landscape majority divided in to two main following parts

- a) Soft cape - this is the part which consist soil and different species of plants, lawns, bushes, shrubs, mulches, trees (shadow, flower or fruit) etc, it is part which is majority soft, that's why it is called as soft cape it is called as green land (shadow or fruit).this part which is directly related to nature, which is a live part of food chain & also part of ecology.
- b) Hard cape – Hard cape the name its self indicate its nature, i.e. hard, which is a part of service to the landscape, which is majority comes under construction work, it consist of drives ways, walk ways or path ways, fountains ,monuments ,seating area, children's playing area, swimming pools, lighting, handrails small culverts, etc)

As the part of hard cape, major works comes under civil engineering; there is lot of scope in this field today & landscape engineering is a special branch of post graduate & graduate level, special skill & designing of all components of landscapes shows the devotion of particular landscaper, this branch is directly related to creating and maintaining nature & making balance of ecology .today there is huge deforestation going on, this increase the green house effect, this thing is predominantly found in urban area ,which is very harmful to urban eco system. Its duty of every one to maintain the eco chain of our mother earth planet ,its duty of planners and engineers to promote the developers towards landscape development in their projects ,which will not only make their project green but also a part of saving our mother earth planet.

4.1 Plan Outdoor “Use” Areas

The location and design of outdoor use areas will depend on family needs and preferences. The particular uses planned and amount of space available will determine use area size. Consider relationships between indoor and outdoor activities. Planner want to keep areas near bedrooms quiet, while locating noisy outside areas near the kitchen, or perhaps away from the house if space permits. Two general areas should be part of any home landscape design – public and private areas. The public area usually includes the front yard, driveway, sidewalks and entrance to the house. On a corner lot, the public area may also extend into the side or backyard areas. The entrance and front yard are the most public parts of most peoples’ yards. Planner can design the entire front yard for public viewing or, because of small lot size or a need for privacy enclose parts of it with plants, fencing or both. Remember that the entrance and front yard contribute to overall neighbourhood appearance, trees, shrubs, flowers, lawns, fences and other landscape structures should fit in with the neighbourhood’s character.

Driveways and sidewalks link the home to neighbourhood streets. Consider safety, topography and lot character when locating them. Keep gardens as gentle as possible and make as few road cuts as possible. Keep in mind how anyone wants visitors to move from the parking area to the main entrance.

The private area of the yard or plot consists of living, service, and recreation and multiple-use areas, depending on the needs identified earlier.

An outdoor living area may include such features as terrace, deck, patio, screened porch and grassed areas for outdoor cooking, sunbathing, entertaining and just relaxing. Try to estimate the number of people who might use the area at one time so planner can design it accordingly Many homeowners like to have a service area for such things as vegetable and fruit gardens and wood and garbage storage. Choose these areas carefully. Vegetable gardens and many flowers need full sunlight and suitable soil. Wood and garbage storage areas should be accessible, but out of view.

The project work consist planning and designing (**architectural designing**) of residential project for a proposed flat system at plot no 108 survey no 35,Vaniyavad,Taluka ,Idar ,District ,Sabarkantha,Gujarath,India

5. Following are the salient features of residential scheme

- a) Name of scheme Balaji Heights
- b) Name of builder Shree Ganesh builders
- c) Name of engineer in charge Mr. Ankit Prajapati
- d) Name of R.C.C designer Mr. J. B. Suthar
- e) Type of structure Frame structure
- f) Foundation type - R.C.C mat foundation
- g) Plot area – 23663 meter square.
- h) Covered ground area – 6390 meter square.
- i) Number of wings –eight.
- j) Number of flats – one twenty eight.
- k) Open space area left after construction- 17273 meter square

5.1 Following are the main components of landscape decided for proposed residential landscape project

a) Soft cape – it consist of following components.

Lawn - Bermuda lawns (8076 sqft).

Flower plants- (marigold 1320 sqft), (gazania mix 570 sqft),(dhaliya 950 sqft),(camellia 616 sqft)

Shrubs –(Vidhya 1726 sqft),(hydrangeas 1460 sqft),(bougainvillea 450 sqft)

Trees – (palm tree 23 numbers) , (mango trees 23 numbers)

b) Hard cape

Stone path –

Average width (10 feet), thickness (12”), and area (3924 sqft).

Drive way –

average width (20 feet), thickness (12”), and area (25000 sqft).

Walk way –

Average width (6 feet), thickness (6”), and area (523sqft).

Paver excluding parking -

Thickness (12”) and area (8464sqft).

Pavers at parking –

Thickness (12”) and area (35184sqft).

Tennis court –

Thickness (12”) and area (45 ft x 20 ft 3208sqft).

Fountain with seating –

1132 sqft diameter of fountain 18 ft.

Children play area –

soil or (rubber cousion) 1276 sqft.

Skating area –

917 sqft.

Open Air Theater –

878 sqft.

Swimming pool –

33’x 23’ (736 sqft)

Seating around swimming pool –

754 sqft.

Mini cricket ground for children's-
2341 sqft.

Detail drawing regarding to proposed flat system **Balaji heights** at plot no 108 survey no 35, Vaniyavad, Taluka, Ider, District ,Sabarkantha, Gujarat, India Detail area of residential project including different building wings.

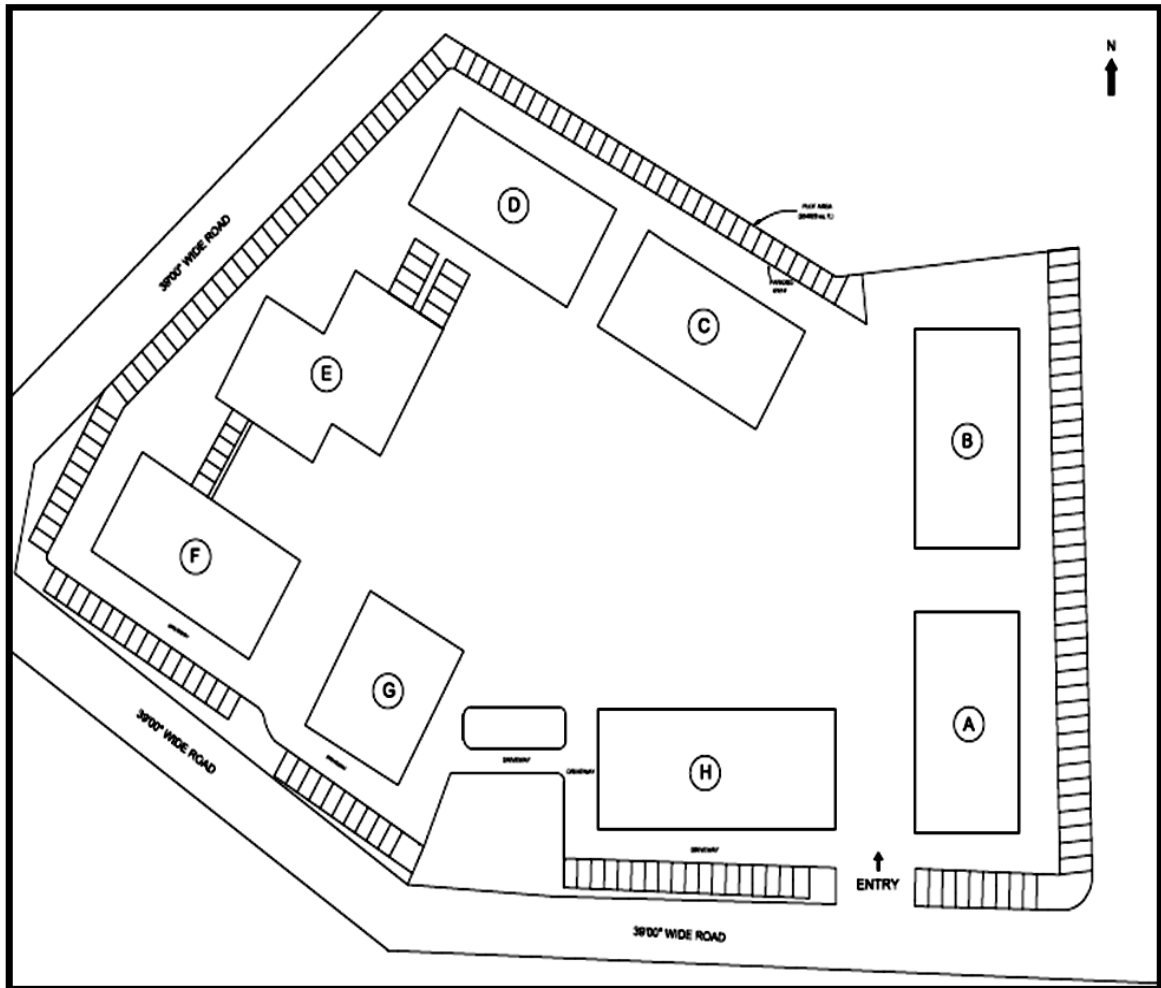


Fig. 1 lay out plan for Balaji height

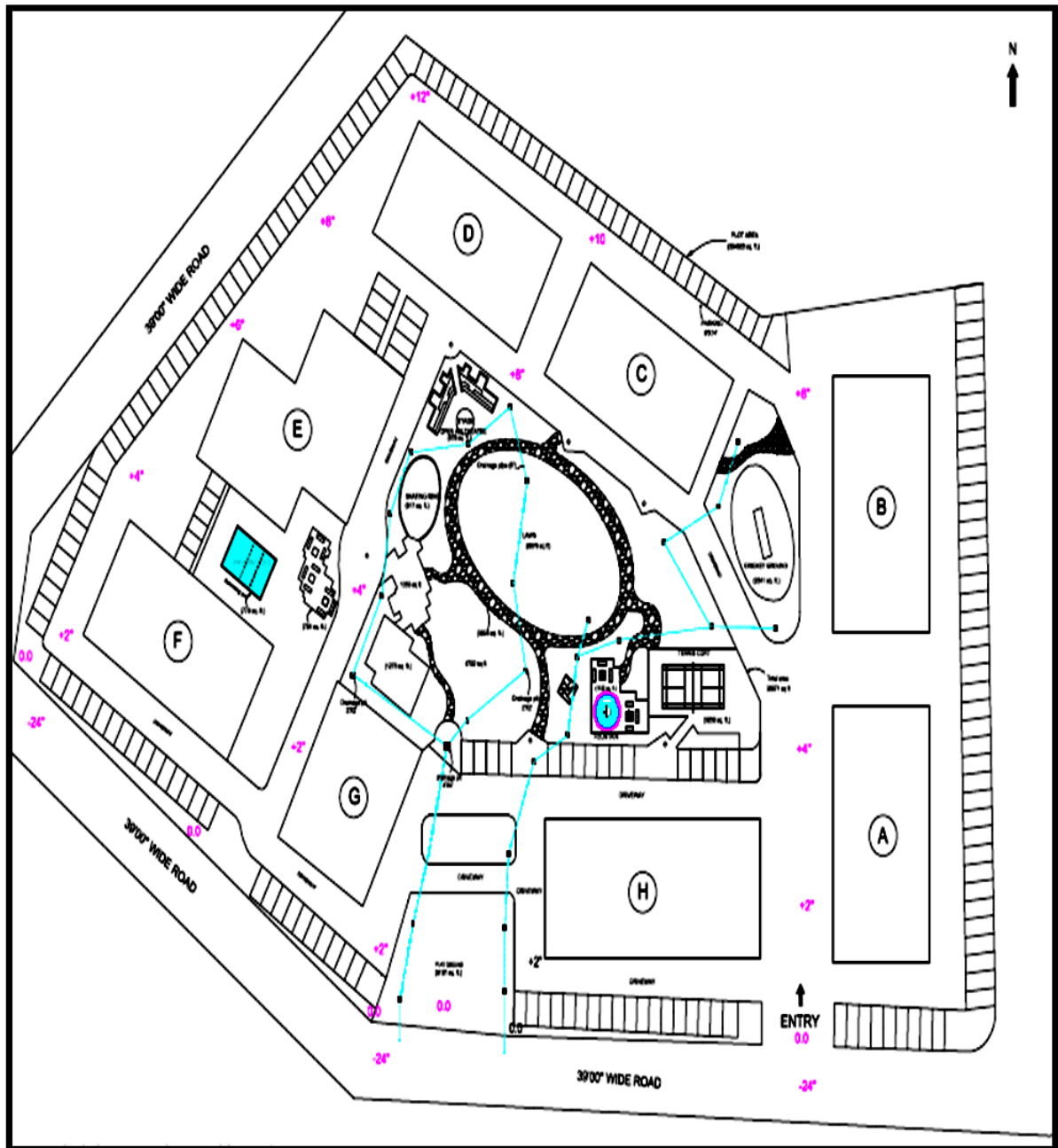


Fig. 2 lay out plan hard cape for Balaji height

Important detail drawings of hard cape (plans & sections) regarding to proposed flat system Balaji heights at plot no 108 survey no 35,Vaniyavad,Taluka, Ider, District ,Sabarkantha, Gujarath, India Detail area of residential project including different building wings.

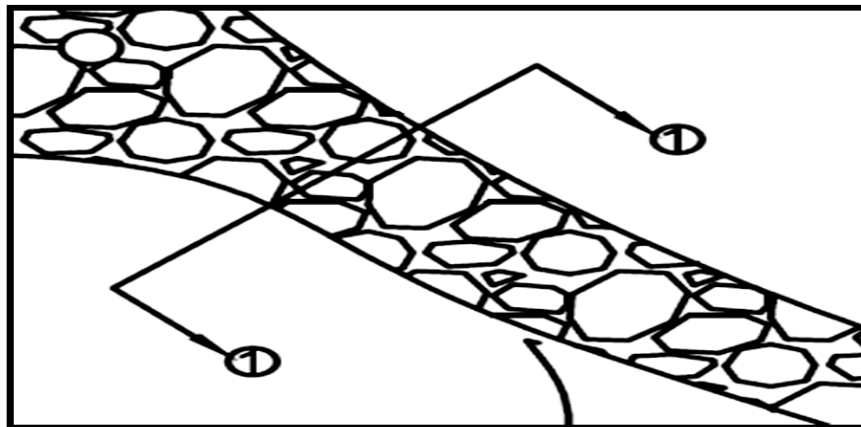


Fig. 3 Plan of stone path



Stone Path section 1-1

Fig. 4 Stone Path section

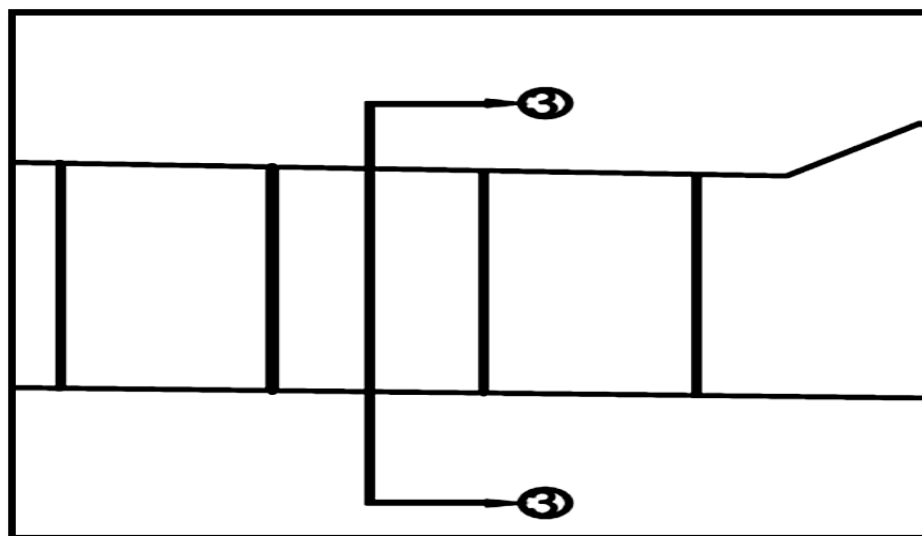


Fig. 6 Plan of parking paver

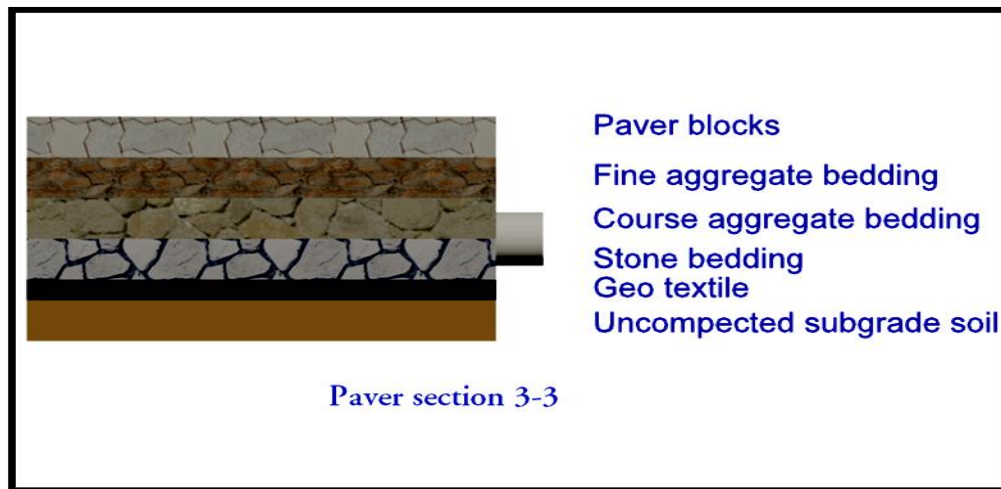


Fig. 7 Paver section

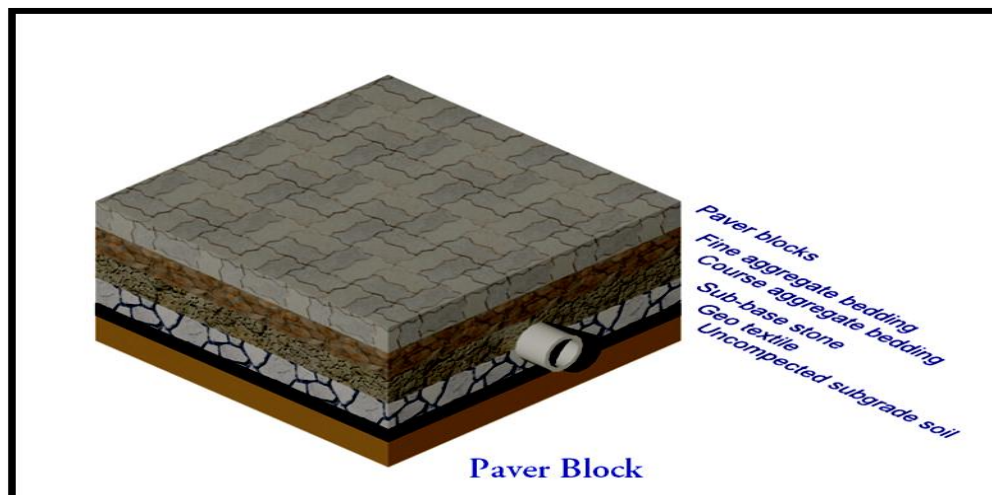


Fig. 8 Flower borders

Flowers usually look best when arranged as part of a shrub border or in an enclosed garden with a foreground setting of a well kept lawn. Evergreen shrubs provide an excellent backdrop for accenting roses and other flowers. Arrange flowers to provide attractive colour combinations throughout the growing season. Group plants of the same variety together. Place those with good foliage in front of those with poor foliage. Design flower borders so that the brightest colours (red, blue, or purple) are accents. Bright colour spread along the entire border destroy accent. Group bright colours together at the accent area and use softer colours at the perimeters.

6. Locating Plant Material

It now is ready to locate trees, shrub masses and groundcovers on the next overlay.

1. In a well designed setting, locate medium and large trees to provide shade, enframement and background for the residence.
2. Use shrubs, small trees, or both to accent the entry area to the home.

3. Use medium and large shrubs or small trees to soften corners, awkward angles, long unbroken lines or sides of the house.
 4. Locate small shrubs to provide transition where the building walls and ground meet – and to soften foundations.
 5. Use large shrubs for screening, privacy and separation of use areas.
 6. Use trees for background or screen, to soften or accent, – or simply to provide beauty.
 7. Locate evergreen trees for screen, wind protection or background.
- To obtain a full, but uncrowned border, space shrubs half the sum of their widths. Shrubs and trees, however, may be planted closer because the shrubs can grow beneath the trees' higher branch structure.

7. Conclusions

Landscape planning identifies and protects the landscape components necessary to maintain the stand ecology and the landscape ecology of urban and forest areas during and after human use.

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