



TEXAS A&M
UNIVERSITY

**CAMPUS SITE FURNISHINGS AND
HARDSCAPE STANDARDS DOCUMENT**

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EXECUTIVE SUMMARY

The Campus Site Furnishings and Hardscape Standards is one instrument to implement the Texas A&M University Campus Master Plan and associated policies. The Plan provides a road map and a planning ethic for the future.

“Standard site furnishings, which include benches, tables, shade structures, lighting, etc. are an integral part of the development of campus streets, open spaces, and pedestrian zones for a consistent campus character. These items should be consistently applied throughout the campus with the exception of areas of historical significance or a unique program may have unique site furnishings specific to the character of those spaces” (p.289).

The Plan is flexible in order to adapt to future changes: it provides policies, principles, and guidelines to shape the future growth and development of the campus. The Campus Site Furnishings and Hardscape Standards aims to ensure that the development of the quality and character of the campus outdoor environment is consistent with the policies and principles in the Campus Master Plan.

The Campus Site Furnishings and Hardscape Standards are comprised of 18 elements, each with a set of standards. For each element, the technical specifications, the approved locations, the CMP guidance, and a reference for sources of additional information are presented where applicable.

GENERAL DESIGN STANDARDS AND PRINCIPLES

Five overriding principles guide the implementation of Campus Site Furnishing and Hardscape Standards:

1. Fitness with Site and Context: Site furnishings and hardscapes should fit harmoniously with the structures and outdoor spaces at the Texas A&M campus and strengthen the sense of place for students, faculty, staff, and visitors. Fitness implies sensitivity to scale, materials, pattern, texture, and form to achieve a balance between variety and unity.

“Material continuity plays a major role in the structure of the broader campus environment. As such, product and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure. A palette that upholds the designated campus standards for items such as paving, site or garden walls, site furnishings, and lighting helps strengthen visual order on the campus, allowing students, faculty, staff, and campus visitors to easily recognize boundaries, transitions, and programs for any campus space, small or large” (p.288).

2. Functionality: Site furnishings and hardscapes must effectively meet the pragmatic needs of their users. They need to be designed for serviceability over time. In addition, site furnishings should be designed for flexibility and adaptability since user needs may vary and evolve over time.

3. Economy: It is important that site furnishings are constructed and maintained over their life-cycle in a cost-effective manner. Careful analysis and decision-making to select qualified manufacturers and tested products are required to ensure that the University will be able to expend finite funds wisely.

“As site furnishings need to be replaced in areas with existing styles, new site furnishing must match what is already present. As older site furnishings fail or need to be replaced in areas that do not have existing styles, they should be upgraded with the brands and styles called out in the Campus Site Furnishings and Hardscape Standards document” (p.300).

4. Quality: Strong design control is required to achieve a high-quality environment and implement the intent of the Campus Master Plan.

“This will avoid having to make impromptu field decisions that may compromise the quality and intent of the design, the health of planting material, or the structural integrity of hardscaping material” (p. 289).

5. Sustainability: The spirit of sustainability is embedded in the effective implementation of the proposed standards. Encouraging eco-friendly materials and technologies and reducing the consumption of energy and non-renewable resources will provide benefits for the natural environment, the quality of the campus-built environment, and the University’s long-term financial stability.

“.....hardscape materials must be functional, economical, of quality, and dove tail with the spirit of sustainability that the campus strives to achieve as stewards of its built and natural environments” (p.288).



1.1. Scarborough Bench

Product Description

Classically styled metal strap bench is available in backed or backless versions, and various lengths. The timeless design has elegant, and controlled curves and a clean, familiar, and classical appearance.

Product Dimensions

Backed 24"/48"/72"/96"

Depth: 26"/28"

Width: 22"/49"/73"/97"

Height: 28"/34"

Weight- 89-234 lb

Product Material

Material: Steel

Finish: Polyester Powder-coat

Color: Silver  Ivy Green 

Where to be placed?

Common outdoor gathering spaces, along walkways, large and small courtyard edges, and along "people movers" (p.308), "Connectors" (p.314), "multi-Use Paths and Trails" (p.316), and "Urban Edges" (p.318). The Ivy Green bench is/will be the predominant bench throughout campus common areas.

Campus Master Plan - Review

"Repetition in softscape and hardscape materials and their application can provide a sense of orderliness." (p.288)

"Landscape treatment of the main entry should have a balance of hardscape and softscape areas, shade structures, ... seating to accommodate small gatherings, such as site walls, super stairs, benches, etc." (p. 256).

Source: [Scarborough bench](#)



1.2. Sit Bench

Product Description

Modern, backless bench with a contemporary and modern aesthetic, perforated steel seating, and a clean, rectilinear cast aluminum frame.

Product Dimensions

Depth: 20"

Width: 69"

Height: 28"


Weight: 190 lbs

Product Material

Bench top: Perforated steel

Frame: Cast aluminum

Finish: Polyester Powder-coat

Color: Silver 

Where to be placed?

Modern and Park-like natural seating areas such as rain gardens that embrace a more contemporary aesthetic.

Additional Notes

Specify without dividers.

Campus Master Plan - Review

"Small gathering areas should integratemovable tables and chairs,...., and benches. A range of seating variety fosters social interaction and provides opportunities for rest and meditation.... Custom furnishings".... (p.326).

"Purposefully placed benches and small seating areas adjacent to malls are appropriate" (p. 310).

Source: [Sit bench](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



1.3. Austin Bench

Product Description

Modernist inspired interpretation of the classic wooden bench with durable Ipe wood seat and back.

Product Dimensions

Depth: 22"/24"

Length: 72"

Height: 18"/33"

Weight: 90-130 lb

Product Material

Bench top: Ipe wood extruded boards

Frame: Cast aluminum

Finish: Polyester Powder-coat

Color: Silver



Natural



Where to be placed?

Small and large courtyard edges, and other small seating areas along or associated with the building edges. Utilize in areas where shade is not available as the wood material would prevent the seat from becoming too hot.

Additional Notes

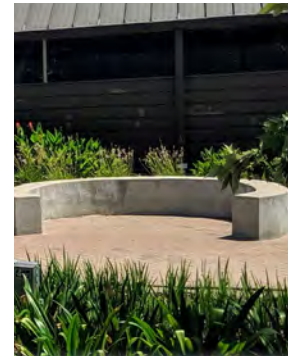
Specify without or without arms and backed or backless.

Campus Master Plan - Review

"Small gathering areas should integratemovable tables and chairs,...., and benches. A range of seating variety fosters social interaction and provides opportunities for rest and meditation".... (p.326).

"Standard site furnishings, which include benches, tables, chairs, and bicycle racks, should be an integral part of the development of campus streets, open spaces, and pedestrian zones for a consistent campus character" (p. 300).

Source: [Austin bench Campus Master Plan](#)



1.4. Concrete Bench

Product Description

Custom designed cast-in-place benches designed to capture the uniqueness of the surroundings and reflect architectural styling.

Product Dimensions

Depth: Variable

Length: Variable

Product Material

Bench top: Concrete

Material: Concrete

Finish: Raw

Where to be placed?

Common outdoor small and large gathering spaces that lend themselves to a more unique or custom style of furnishing.

Additional Notes

Custom-designed as part of the landscape package.

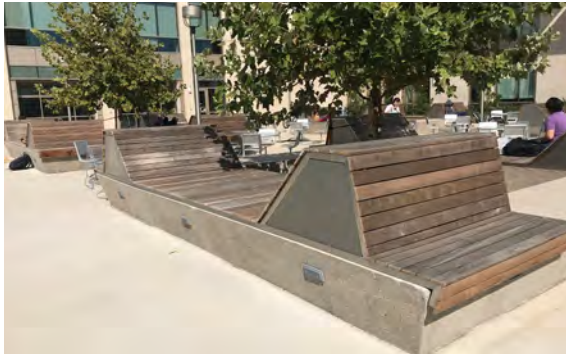
Campus Master Plan - Review

"Site or garden walls can be used for grade accommodation, screening purposes, or seating areas." (p.300).

"A concrete finish may be utilized where appropriate and must be approved by the Council for the Built Environment and/or the Office of the University Architect" (p.300).

"A range of seating variety fosters social interaction and provides opportunities for rest and meditation.... Custom furnishings, custom pavers or pavement types, artificial turf, decking, shade sails, shade structures, water features, and planters are all features that could be incorporated, enhancing the unique, or "special," nature of these spaces" (p.326).

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



1.5. Concrete + Ipe Bench

Product Description

Custom designed cast-in-place frame with wood seat and back.

Product Dimensions

Depth: Variable

Length: Variable

Product Material

Bench top: Ipe

Frame: Concrete

Material: Concrete

Finish: Smooth

Color: Natural



Where to be placed?

Outdoor courtyards with small and large gathering spaces that lend themselves to a more unique or custom style of furnishing.

Additional Notes

Custom designed as part of landscape package

Campus Master Plan - Review

“Site or garden walls can be used for grade accommodation, screening purposes, or seating areas” (p.300).

A concrete finish may be utilized where appropriate and must be approved by the Council for the Built Environment and/or the Office of the University Architect” (p.300).

“A range of seating variety fosters social interaction and provides opportunities for rest and meditation.... Custom furnishings, custom pavers or pavement types,.. and planters are all features that could be incorporated, enhancing the unique, or “special,” nature of these spaces” (p.326).

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



2.1. Americana

Product Description

The casual lounge chair is available in vibrant colors constructed of primarily sustainable products.

Product Dimensions

Depth: 37.5"

Width: 33.5"

Height: 39.25"


Product Material

Seat top and back: 100% Recycled HDPE

Frame: Extruded Aluminum

Finish: Polyester Powder-coat

Color: Green  Sky Blue 

Driftwood (light gray) 

Where to be placed?

Small gathering spaces adjacent to, or near people movers and other pedestrian walkways as well as courtyards, forums, pocket parks, and lawns that lend themselves to relaxation and rest.

Additional Notes

Products are made with 100% recycled high-density polyethylene (HDPE)

Campus Master Plan - Review

"A range of seating variety fosters social interaction and provides opportunities for rest and meditation" (p. 326).

Source: [Americana lounge chair](#)



2.2. The 405 Chaise Chair

Product Description

The casual chaise lounge chair is available in vibrant colors constructed of primarily sustainable products.

Product Dimensions

Width: 24.75"

Length: 80"

Height: 34.25"

Product Material

Bench top: #2 plastics

Frame: #2 plastics

Material: Plastic

Finish: HDPE

Color: Leaf Green  Sky Blue 

Charcoal Grey 

Where to be placed?

Small gathering spaces adjacent to, or near people movers and other pedestrian walkways as well as courtyards, forums, pocket parks, and lawns that lend themselves to relaxation and rest.

Additional Notes

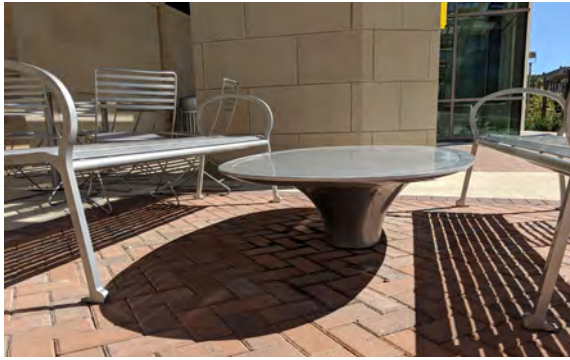
Products are made with 100% recycled high-density polyethylene (HDPE)

Campus Master Plan - Review

"A range of seating variety fosters social interaction and provides opportunities for rest and meditation" (p. 326).

Source: [The 405 Chaise](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



3.1. Stella Table

Product Description

Elegant oval shaped low table in combination with a classic bench is a versatile accessory to seating in small gathering spaces.

Product Dimensions

Depth: 39”

Length: 72”

Height: 15”

Weight: 214 lb

Product Material

Table top: Perforated steel

Table base: Cast aluminum

Finish: Polyester Powder-coat

Color: Silver



Where to be placed?

Small outdoor gathering spaces or grouped with other seating in larger spaces.

Additional Notes

Table must be surface mounted

Campus Master Plan - Review

“Standard site furnishings, which include benches, tables, shade structures, lighting, etc. are an integral part of the development of campus streets, open spaces, and pedestrian zones for a consistent campus character” (p.289).

Source: [Stella table](#)



3.2. Mingle Table

Product Description

An open and inviting seating system with a distinctive asymmetric structure lends it an energetic air and makes the seating accessible for small groups to sit together.

Product Dimensions

Style: Two, three, four five or six seats

Diameter: 73”, 87”

Height: 33”

Weight: 124-223 lb

Product Material

Table top: Catena stainless steel

Seat panels: Perforated metal

Finish: Polyester Powder-coat

Color: Silver



Where to be placed?

Shaded common outdoor gathering spaces, around small and large courtyards, near dining services, open plazas, and outdoor study areas. The table style is/will be one of the predominant table styles throughout campus.

Additional Notes

See shade mounting option for surface mount rules

Three-seat and five-seat styles are wheelchair accessible

Campus Master Plan - Review

“Furniture items should be consistently applied throughout the campus” (p. 289).

Source: [Mingle table](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



3.3. Chipman Table

Product Description

A table with a smooth aluminum finish and looks delicate in scale and proportion, easily movable but heavy enough to be placed on rooftop terraces.

Product Dimensions

Diameter: 45”

Height: 29.25”

Weight: 85 lb

Chair Style: W/O arms

Depth: 22”

Width: 20”, 24”

Height: 33”

Weight: 17-20 lb

Product Material

Table top: Aluminum table casting

Seat panels: Aluminum castings welded together

Finish: Polyester Powder-coat

Color: Silver



Where to be placed?

Outdoor gathering spaces, courtyards of dormitories, near dining services, pocket parks, and other small seating areas that allow for a more intimate and “custom” feel. It should be predominantly used in areas with concrete or smooth surfaces.

Additional Notes

Movable table adds to the special ambiance of a social space.

Campus Master Plan - Review

“Large gathering areas should integrate various forms of seating, including movable tables and chairs, site or garden walls, and benches” (p.322).

Source: [Chipman table](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



3.4. Parc Center Table

Product Description

Economic, steel constructed, and easily movable table which is heavy enough to remain in place and opening options for versatile social settings.

Product Dimensions

Diameter: 30”

Height: 30”

Weight: 94 lb

Chair Style: W/O arms

Depth: 19”

Width: 19”, 21”

Height: 33”

Weight: 22-25 lb

Product Material

Table top: Solid 5/16” steel plate

Seat panels: Heavy steel straps

Finish: Polyester Powder-coat

Color: Silver



Where to be placed?

Common outdoor gathering spaces along walkways, small and large courtyard edges, pocket parks, and other seating areas in open plazas where movable furniture is desired. It can be used on decomposed granite/dirt areas as leveled glides on the steel plate base makes it stable on varied surfaces.

Additional Notes

Panels are constructed of welded steel straps.

Campus Master Plan - Review

“Since courtyards are typically accommodating small gatherings, they should include benches and movable tables and chairs” (p.328).

Source: [Parc center table](#)



3.3. Multiplicity Table

Product Description

multi-use wood top table designed for eating, working and social gathering. The frame of the table is dimensioned to allow a backless bench to slide efficiently underneath.

Product Dimensions

Height: 29'

Depth: 35'

Width: 95'

Weight: 119lb

Product Material

Table top: Ipe wood

Frame: Steel

Finish: Polyester Powder-coat

Color: Natural



Silver



Where to be placed?

Outdoor gathering spaces, around small and large courtyards, near dining services, open plazas, and outdoor study areas.

Adjacent to, or near people movers and other pedestrian walkways as well as courtyards, forums, and pocket parks

Additional Notes

It must be place on a hard surfaces in the landscape, and spaces that offer some protection from the elements.

Campus Master Plan - Review

"Large gathering areas should integrate various forms of seating, including movable tables and chairs, site or garden walls, and benches" (p.322).

Source: [MultipliCITY Table](#)



3.4. Morrison table

Product Description

A modernist inspired lounge height coffee table provides a large surface area at a height that is compatible with lounge style furniture around campus.

Product Dimensions

Depth: 40"

Width: 40"

Height:15"

Weight: 72-88 lbs

Product Material

Table top: Ipe wood

Frame: Steel

Finish: Polyester Powder-coat

Color: Natural



Silver



Where to be placed?

In combination with lounge furniture in small gathering spaces adjacent to, or near people movers and other pedestrian connectors as well as courtyards, forums, and pocket parks.

Additional Notes

Require a smooth surface and limited protection from the elements.

Campus Master Plan - Review

A range of seating variety fosters social interaction and provides opportunities for rest and meditation.... Custom furnishings, custom pavers or pavement types,.. and planters are all features that could be incorporated, enhancing the unique, or "special," nature of these spaces" (p.326).

Source: [Morrison Table](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



3.5. Carousel Casual Height Table

Product Description

The table has fixed, casual height seating element with a casual appearance, and a wide range of available configurations.

Product Dimensions

Diameter: 90"-98"
 Height: 22"-33"
 Weight: 103-187 lb

Product Material

Table top: Silver solid, or Ipe wood
 Seat panels: Perforated or gridded
 Seat option: Backed, backless, and hoops
 Finish: Polyester Powder-coat
 Color: Silver



Table top: Ipe wood



Where to be placed?

Outdoor gathering spaces, around small and large courtyards, near dining services, and open plazas. This table style is/will be one of the predominant table styles throughout campus.

Additional Notes

Umbrella hole must be specified when ordered.
 Casual height units come standard with 3 or 4 seats.

Campus Master Plan - Review

"Standard site furnishings, which include benches, tables, shade structures, lighting, etc. are an integral part of the development of campus streets, open spaces, and pedestrian zones for a consistent campus character (p.289)".

Source: [Carousel table](#)



3.6. Carousel Dining Height Table

Product Description

The table has fixed, dining height seating element with a casual appearance, and a wide range of available configurations.

Product Dimensions

Diameter: 81"-90"
 Height: 29"-33"
 Weight: 127-290 lb

Product Material

Table top: Silver solid, or Ipe wood
 Seat panels: Perforated or gridded
 Seat option: Backed, backless, and hoops
 Finish: Polyester Powder-coat
 Color: Silver



Table top: Ipe wood



Where to be placed?

Outdoor gathering spaces, small and large courtyards, near dining services, and open plazas. This table style is/will be one of the predominant table styles throughout campus.

Additional Notes

Umbrella hole must be specified when ordered.
 Three-seat is ADA compliant and five-seat styles are wheelchair accessible.

Campus Master Plan - Review

"Standard site furnishings, which include benches, tables, shade structures, lighting, etc. are an integral part of the development of campus streets, open spaces, and pedestrian zones for a consistent campus character (p.289)".

Source: [Carousel table](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



3.7. Carousel Standing Height Table

Product Description

The table has fixed, standing height seating element with a casual appearance, and a wide range of available configurations.

Product Dimensions

Diameter: 72"-80"

Height: 42"-44"

Weight: 154-214 lb

Product Material

Table top: Stainless steel solid, silver solid, or Ipe wood

Seat panels: Perforated or gridded

Seat option: Backed, backless, and hoops

Finish: Polyester Powder-coat

Color: Silver



Table top: Ipe wood



Where to be placed?

Outdoor gathering spaces, around small and large courtyards, near dining services, and open plazas. This table style is/will be one of the predominant table styles throughout campus.

Additional Notes

Umbrella hole must be specified when ordered.

Standing height units come standard with 4 seats.

Campus Master Plan - Review

"Standard site furnishings, which include benches, tables, shade structures, lighting, etc. are an integral part of the development of campus streets, open spaces, and pedestrian zones for a consistent campus character (p.289)".

Source: [Carousel table](#)



4.1. Solstice Cygnus Umbrella

Product Description

Shade umbrella has a graceful winged aluminum canopy that protects from the sun and imparts a sense of place.

Product Dimensions

Diameter: 91"

Height: 91"

Weight: 85 lb

Product Material

Solid aluminum, mounted in an extruded aluminum frame

Finish: Polyester Powder-coat

Color: Ivy



Silver



Where to be placed?

Outdoor gathering spaces, around small and large courtyards, near dining services, and open plazas.

Additional Notes

Shade umbrella must be mounted to the table, which in turn must be mounted to, or embedded in, a hard surface.

Campus Master Plan - Review

"Furniture items should be consistently applied throughout the campus" (p. 289).

Source: [Solstice Cygnus](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



5.1. Bike Rack

Product Description

Bike Racks are fabricated using US sourced steels with a high recycled content.

Product Dimensions

Standard racks width: 78”
 Gap between top tubes: 15’
 Between racks: 2’

Product Material

Racks: Steel tubing
 Finish: Metallic flex
 Color: statuary bronze



Where to be placed?

It shall be placed in all enclosed and designated outdoor bike parking spaces under all/semi or no covered sun shades or no shades.

Additional Notes

Provided by TAMU Transportation Services.

Campus Master Plan - Review

“Locating transit stops near parking garages with integrated bicycle parking facilities is one way to support this type of connectivity” (p.164).

Source: [Cora Bike Racks and/or equal](#)



5.2. Brick Wall with Stone Cap

Product Description

Custom masonry wall with stone cap with color selected to blend with the adjacent buildings.

Product Dimensions

Length: Variable
 Width: 18”
 Height: Min. 3’

Product Material

Wall top: Stone Cap
 Material: Brick, concrete & Stone cap
 Veneer: Masonry

Where to be placed?

Placed near outdoor gathering spaces or plazas that require immediate buffer and 100% screening and/or where the space for natural vegetation is limited.

Additional Notes

Custom designed as part of the building design package and in accordance with the Campus Master Plan. See section 12.1 for more information.

Campus Master Plan - Review

“Purposefully incorporating bike parking into the campus design, improving usability, proximity, and safety, and making sure that bike parking is either sheltered or screened depending on its location is necessary” (p. 304).

Source: [Figure A-1.](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



5.3. Low Brick Wall with Stone Cap & Planting

Product Description

A low seat wall forms a planter to provide a blended screening element. The seat wall must be masonry to match the contextual brick colors with stone cap.

Product Dimensions

Length: Variable

Width of wall: 18”

Height of the wall: 18”-24”

Height of plants: 2-3’

Product Material

Wall top: Stone Cap

Material: Brick, concrete & Stone cap

Veneer: Masonry and planting on top

Where to be placed?

Outdoor spaces where privacy is required with a softer appearance, or additional outdoor seating is desired.

Additional Notes

Recommended shrubs: Burford holly, Podocarpus maki, Gulf muhly, or other evergreen to semi-evergreen approved plant. Provide at least 3’ minimum plant height at time of installation to provide immediate buffer. Must provide 100% screening at full maturity.

Campus Master Plan - Review

“Brick or stone enclosures should be contextually appropriate to the adjacent building” (p. 304).

“In lieu of providing one large bicycle storage area at each building, consider multiple smaller capacity storage areas which tend to result in fewer bicycle tangles” (p.162).

Source: [Figure A-2.](#)



5.4. Stone Wall with Sections of Steel Screen

Product Description

Masonry column with a stone cap and stainless steel screen panels to provide limited visibility and supported by evergreen plant material.

Product Dimensions

Length: Variable

Width of wall: 18”

Height of the wall: Min 3’

Height of plants: 3’ evergreen shrubs

Product Material

Panel: Steel (stainless)

Finish: Pickle and passivated

Where to be placed?

Outdoor gathering spaces or plazas that requires limited visibility and/or areas that would be adversely affected by full screening of the bike racks.

Additional Notes

Metal screening preferred with the brick wall so as to have bike parking visibility.

Campus Master Plan - Review

“Metal screening shall comply with campus standards in relation to material, type and color if it is not designed as a unique application” (p. 305).

Source: [Figure A-3.](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



5.5. Softscape Hedge

Product Description

Full vegetative screen provided by a double row of plant material. The combination of dense evergreen shrubs with semi-evergreen grasses provide for seasonal interest and blend contextually with natural surroundings and providing full screening.

Product Dimensions

Counts: Group of 2 (repeat)

Buffer: 3' evergreen shrubs

Evergreen min.: 10 gallons

Product Material

Panel: Plants

Finish: Double planting layers with 1 row evergreen and 1 row semi-evergreen shrubs

Where to be placed?

Outdoor bike parking spaces where softscape screening is preferred.

Additional Notes

Recommended shrubs: Burford holly and Gulf muhly

Provide at least 3' height at the time of planting in order to provide immediate buffer.

Must provide 100% screening at full maturity.

Campus Master Plan - Review

"Planting bed must be a minimum of 8' deep to accommodate edge (concrete mow strip) and plantings" (p. 304).

Source: [Figure A-4.](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.

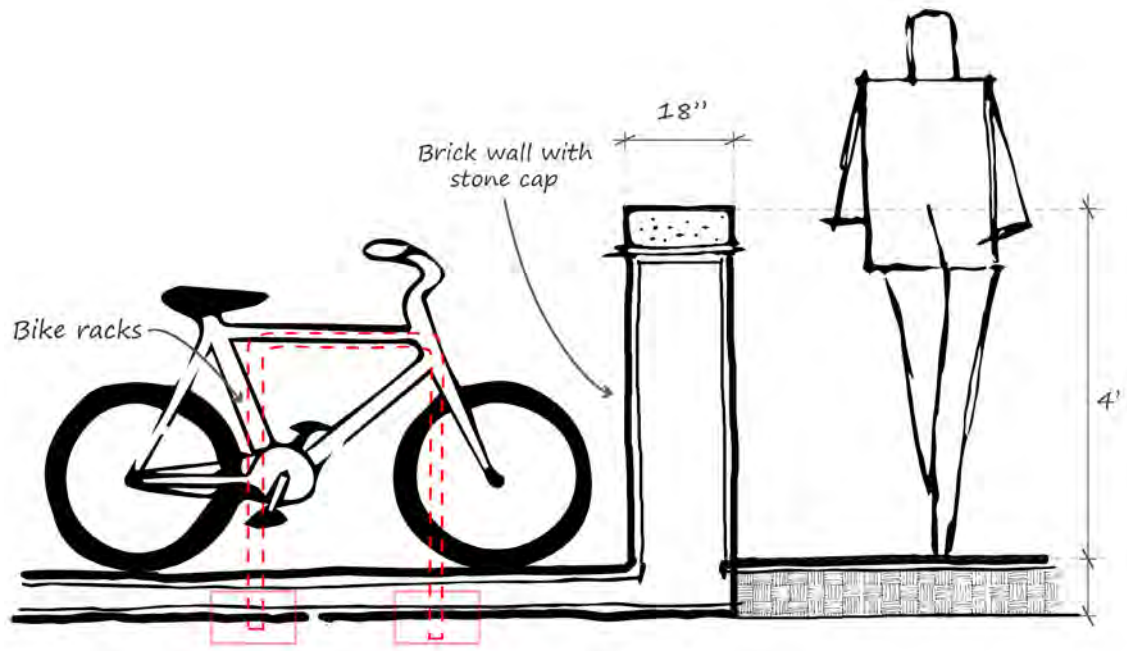


Figure A-1. Conceptual design for brick wall with stone cap

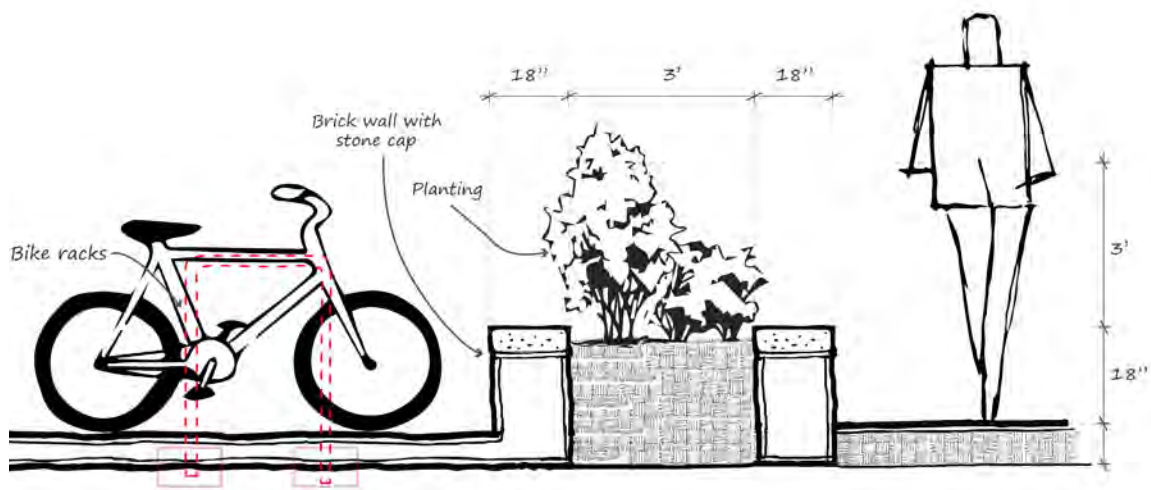


Figure A-2. Conceptual design for low brick wall with stone cap & planting

Note: All chosen products, their materials, and colors should get approved by the UA Office before purchasing.

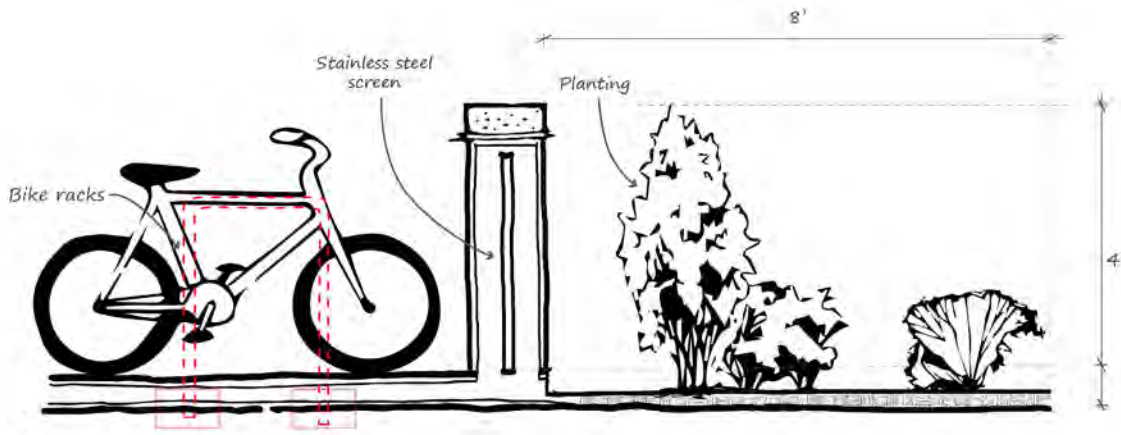


Figure A-3. Conceptual design for brick wall with sections of metal screen

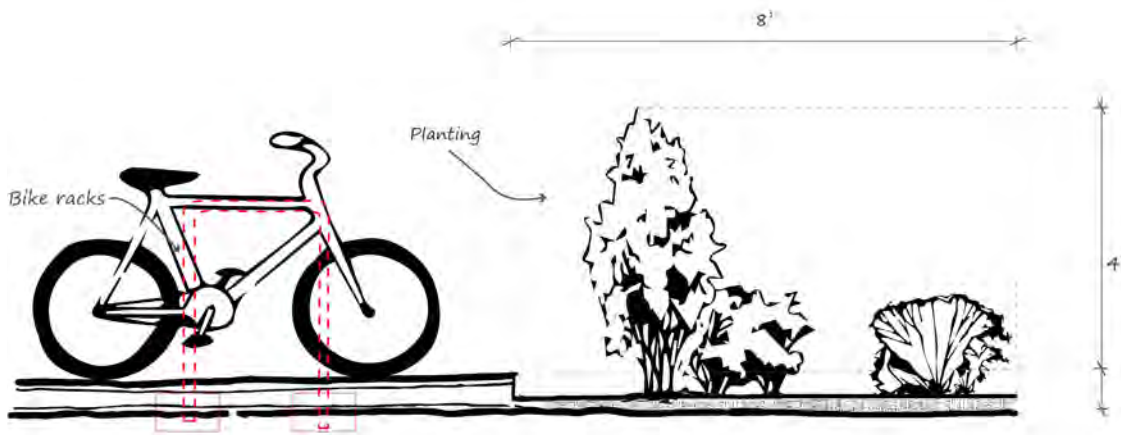


Figure A-4. Conceptual design for softscape hedge

Note: All chosen products, their materials, and colors should get approved by the UA Office before purchasing.



6.1. Green Screen (Utilities)

Product Description

Steel trellis screening with evergreen vining plants trained to provide low profile, vertical screening. Used in conjunction with single row of evergreen screening to provide a vegetative screen in a limited space.

Product Dimensions

Length: Custom

Height: must be tall enough to screen from all predominant view angles

Product Material

Buffer plants: Star jasmine

Trellis: Stainless steel

Frame: Powdercoat Steel

Where to be placed?

To preserve aesthetics and to blend with the open space. Green screens shall be placed to block the view of ground transformers, generators, and other types of equipment or where the soft screen is preferred but planting space is limited.

Additional Notes

Substitute planting where appropriate

Must provide 100% screening at full maturity from all predominant view angles.

Campus Master Plan - Review

“Softscape screening can include landscape buffers, such as green walls or planted berms, but must provide full screening upon completion of project” (p. 305).... “Softscape screening can include landscape buffers, such as green walls or planted berms. Screening should keep service areas out of sight, while providing proper ventilation for the equipment” (p. 258).

Source: [Figure A-5](#), and [Figure A-7](#).



6.2. Vegetative Screen (Utilities)

Product Description

Softscape hedge achieved by a double planting row consisting of vertical plantings combined with evergreen and semi-evergreen shrubs and grasses.

Product Dimensions

Length: Custom

Height: 6' or greater

Min.: 10 gallon

Buffer height at planting: 3'

Product Material

Vertical trees: Nellie Stevens holly and Mary Nell holly

Buffer plants: Burford holly, Podocarpus maki, Dwarf

Pittosporum, and Gulf muhly

Where to be placed?

Around building utilities and service functions.

Additional Notes

To block the view of utilities, utility entrances, as well as service-related functions. Must provide 100% screening at full maturity from all predominant angles.

Campus Master Plan - Review

“Wherever possible, service and mechanical screening should be integrated into the building design. If it is not possible to incorporate the screening into the building, service and mechanical spaces shall be screened with brick enclosures, softscape, or metal fencing/screening, such as a louvered metal fence system.” (p. 305)
“Planting bed must be a minimum of 8' deep to accommodate edge (concrete mow strip) and plantings” (p. 304).

Source: [Figure A-6](#), and [Figure A-7](#).

Note: All chosen products, their materials, and colors should get approved by the UA Office before purchasing.

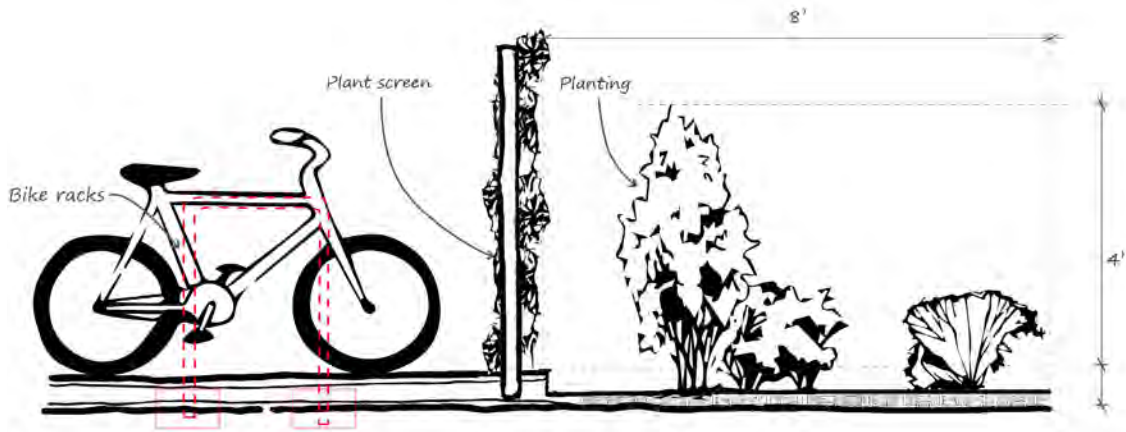


Figure A-5. Conceptual design for green screen

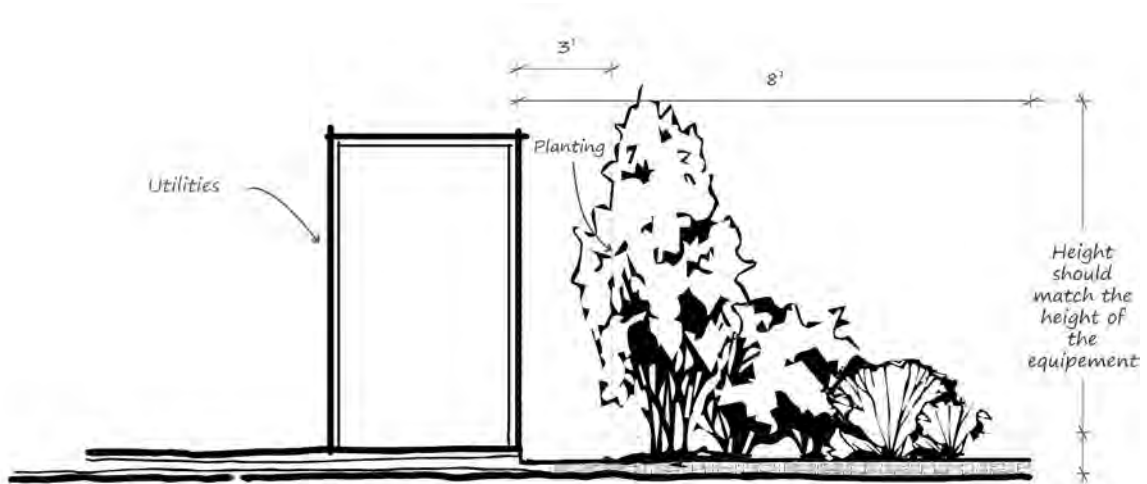


Figure A-6. Conceptual design for vegetative screen(Scenario 1 type of utility screening)

Note: All chosen products, their materials, and colors should get approved by the UA Office before purchasing.

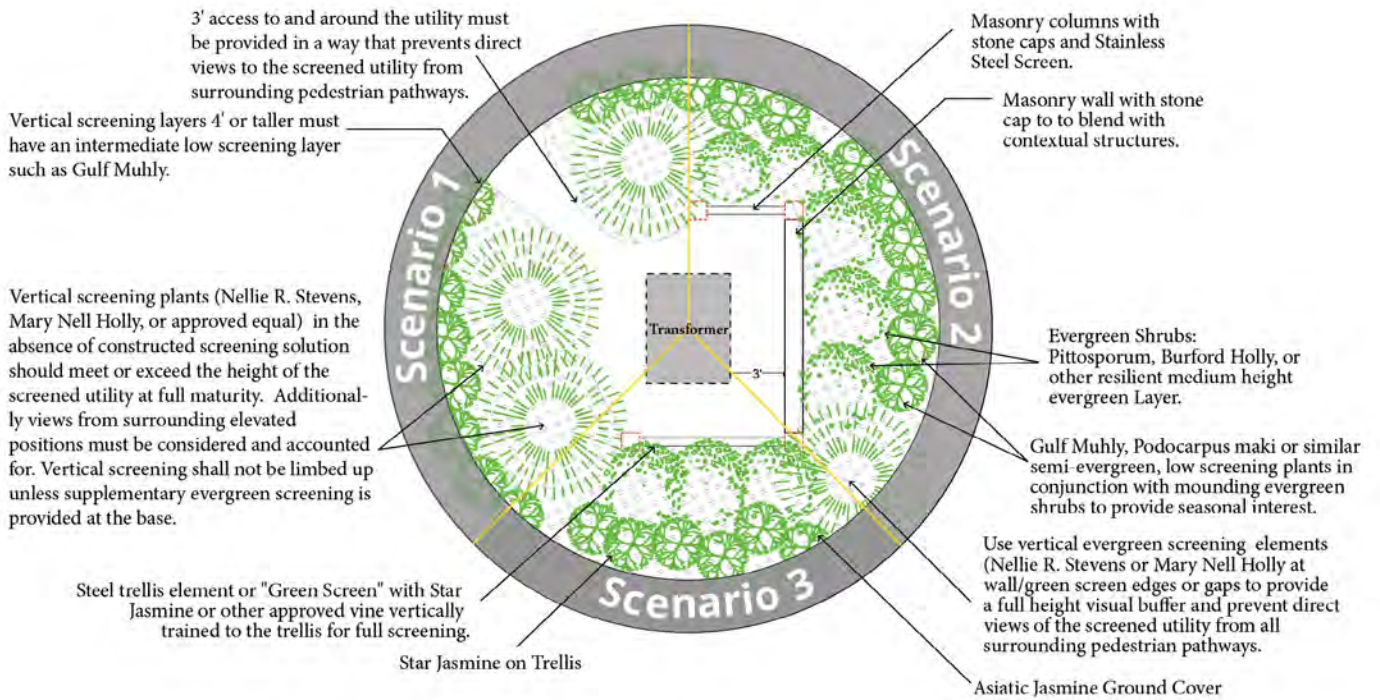


Figure A-7. Three different scenarios' conceptual design for utility screening

Note: All chosen products, their materials, and colors should get approved by the UA Office before purchasing.



7.1. Top Opening Receptacles

Product Description

Top-Opening trash receptacle

Product Dimensions

Diameter: 25"

Height: 33"

Weight: 149 lb

Product Material

Material: metal side panels

Top: Spun metal

Choose: Vertical straps

Finish: Polyester Powder-coat

Color: Silver



Where to be placed?

- Parks & open spaces
- Recreation facilities
- Building entranceway
- Food service/restaurants
- Stadiums & arenas
- Open plazas
- Institutional buildings

Additional Notes

Receptacles are standard with a freestanding/surface mount option.

Campus Master Plan - Review

"So that all open spaces remain clean and free of debris, trash/recycling receptacles should be placed accordingly and should comply with Texas A&M Campus standards" (p.306).

Source: [Scarborough Receptacles and/or equal](#)



7.2. Side Opening Receptacles

Product Description

Side-Opening trash receptacle

Product Dimensions

Diameter: 25"

Height: 41"

Weight: 156 lb

Product Material

Material: metal side panels

Top: Spun metal

Choose: Vertical straps

Finish: Polyester Powder-coat

Color: Silver



Where to be placed?

- Parks & open spaces
- Recreation facilities
- Building entranceway
- Food service/restaurants
- Stadiums & arenas
- Open plazas
- Institutional buildings

Additional Notes

Receptacles are standard with a freestanding/surface mount option.

Campus Master Plan - Review

"All containers shall be located on an accessible path of travel per the ADA and State Building Code" (p.306).

Source: [Scarborough Receptacles and/or equal](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



8.1. XD35-3 Outdoor Recycling Container

Product Description

Attractive, durable and versatile recycling containers designed with a deep understanding of climate, behavior and even wildlife considerations. The outdoor recycling containers ensure seamless recycling from the outside in.

Product Dimensions

Length: 62”

Width: 19”

Height: 47.25”

Weight: 209 lbs

Capacity: Three (3) 35 Gallon Streams

Product Material

Construction Material: HDPE Plastic Lumber

Recycled Content: 97%

Where to be placed?

To be used outdoors as the standard recycling container.

Additional Notes

Drainage holes inside prevent buildup of liquid from spills, leaks or weather.

Campus Master Plan - Review

“Locations and placement of Trash/Recycling Receptacles must first be approved by the Department of Physical Plant and the Texas A&M Recycling Center” (p.306).

Source: [Product catalogue CleanRiver and/or equal](#)



8.2. XFF25-3 Indoor Recycling Container

Product Description

The indoor recycling containers can accommodate multiple recycling needs for high public traffic areas and crowded spaces.

Product Dimensions

Length: 44”

Width: 24”

Height: 50.50”

Weight: 200 lbs

Capacity: Three (3) 25 Gallon Streams

Product Material

Construction Material: HDPE Plastic Lumber

Recycled Content: 97%

Where to be placed?

To be used in all indoor campus common areas.

Additional Notes

Drainage holes inside prevent buildup of liquid from spills, or leaks.

Campus Master Plan - Review

“Additionally, they should have drainage openings at their base, be free of water running into them, be fire-proof, vermin-proof (crows and other animals), and vandal-proof, and hold a 40-50 gallon container” (p.306).

Source: [Product catalogue CleanRiver and/or equal](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



9.1. Crosswalks

Product Description

Crosswalks utilize Maroon and Cast Stone banding in a herringbone pattern to create visual dark and light alternating bands that identifies crosswalks on campus.

Product Dimensions

Length: Varies

Width: 2' bands

Product Material

Concrete

Color: Maroon (platinum finish) and Cast Stone

Where to be placed?

All new crosswalks on campus must adhere to this color and pattern.

Additional Notes

This pattern is the only acceptable use of this color and pattern combination.

Campus Master Plan - Review

“Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure” (p.288).



9.2. Building entrances

Product Description

A paver doormat uses banding colors as a field brick that highlights the intersections connecting building entrances to major pedestrian connectors. This helps facilitate wayfinding and strengthen visual order on campus.

Product Dimensions

Length: Varies

Width: Varies

Product Material

Clay Pavers: Areas in the campus core visually connected to Kyle field and Memorial Student Center

Concrete: All other areas

Where to be placed?

In conjunction with new or existing banded pedestrian connectors at intersections that connect building entrances

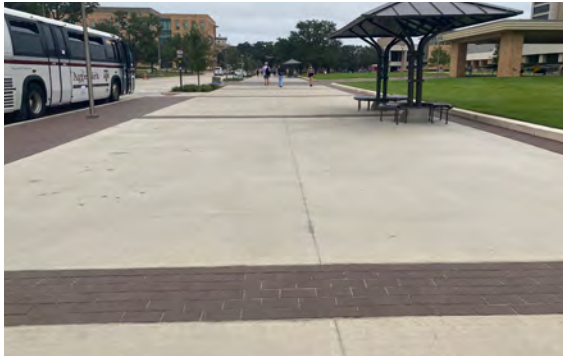
Additional Notes

Placement will depend on the intersecting pedestrian pathways and roads. Use of a paving doormat must be reviewed and approved, prior to implementation.

Campus Master Plan - Review

“Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure” (p.288).

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



9.3. Pedestrian Pathway - Connectors

Product Description

Paver banding and paver buttons are applied along major pedestrian connectors that link buildings, quads, courtyards and along existing roadways in accordance with the 2017 Campus Master Plan to reinforce the sense of place.

Product Dimensions

Length: Varies

Width: Maroon banding along the street edge can be 2-4' for connectors less than 20', and up to 8' on connectors greater than 20'. In all other locations banding should be 2'

Product Material

Clay: Areas on campus core visually connected to Kyle field and Memorial Student Center

Concrete: All other areas.

Where to be placed?

Banding and paver buttons are appropriate along all connectors and pattern should take direction from nearby banding patterns.

Additional Notes

Placement will depend on the intersecting pedestrian pathways and roads. Use of a banding and paver buttons must be reviewed and approved, prior to implementation.

Campus Master Plan - Review

"Connectors are the interstitial linkages between buildings, quads, courtyards, malls, and along roadways." (p.314)



9.4. Pedestrian Pathway - Malls

Product Description

Large promenades serve as important pedestrian thoroughfares that link key open spaces and are designed to accommodate large numbers of pedestrians. Malls are wide, prominent features on campus serving as both a connectors and destinations that should be predominantly pavers.

Product Dimensions

Length: Varies

Width: Varies

Banding: Bands should be 12" or 24" consistently spaced.

Product Material

Concrete

Granite: Used at the Military Walk area only.

Where to be placed?

New and existing campus malls. The 2017 Campus Master Plan identifies planned future malls. (p.169)

Additional Notes

Campus malls are major civic structures, and projects impacting them, or renovation/changes to them must be approved prior to implementation.

Campus Master Plan - Review

"Malls are used as a public walk or promenade through campus and are predominantly populated by groups of pedestrians, bicyclists, and skateboarders." (p.310)



Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



10.1. Maroon

Product Description

Maroon pavers are the most common pavers consistently applied throughout campus, appearing in banding, paver buttons, and as a field brick for paver doormats and plazas.

Product Dimensions

Size: 3 7/8" x 7 3/16"

Pattern: Stretcher bond, single/double soldier course, and 45 degree herringbone (crosswalks only)

Product Material

Clay: Areas in the campus core visually connected to Kyle field and Memorial Student Center

Concrete: All other areas

Color: Maroon

Plant : Grapevine. Texas (concrete paver only)

Where to be placed?

Banding, single/double soldier courses around other paver colors, 45 degree herringbone at crosswalks, and as a field brick near building entrances and where approved.

Additional Notes

All paving must contextually relate to its character zone and cannot be specific to adjacent buildings. Pavers must be supported by reinforced concrete, and contained by a minimum 12" concrete band or structural edging.

Campus Master Plan - Review

Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure (p.288)

Source: [Keystone Hardscape-Holland Stone](#)



10.2. Cast Stone

Product Description

Cast stone colored concrete pavers are used widely on campus in crosswalks, plazas, in conjunction with banding, paver buttons, and as a field brick.

Product Dimensions

Size: 3 7/8" x 7 3/16"

Pattern: Stretcher bond, 45 degree herringbone (crosswalk only)

Product Material

Concrete

Color: Cast Stone

Plant : Katy, Texas

Where to be placed?

Can be used as banding in conjunction with maroon pavers on some connectors, as well as a field brick, or banding in plazas and pedestrian malls. In crosswalks as the light colored band.

Additional Notes

All paving patterns must contextually relate to its character zone and cannot be specific to adjacent buildings. Pavers must be supported by reinforced concrete, and contained by a minimum 12" concrete band or structural edging.

Campus Master Plan - Review

Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure (p.288)

Source: [Keystone Hardscape-Holland Stone](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



10.3. Antique Terracotta

Product Description

Antique terracotta pavers are a color blend of lights and darks that are used commonly throughout campus in malls, promenades, banding, and seating areas.

Product Dimensions

Size: 3 7/8" x 7 3/16"

Pattern: Herringbone, 45 degree Herringbone, or Basket weave enclosed by single or double maroon soldier course.

Product Material

Concrete

Color: Antique Terracotta

Plant: Katy, Texas

Where to be placed?

Major pedestrian malls like Military Walk and Ross Street as well as seating areas and paver details closely associated with buildings.

Additional Notes

All paving patterns must contextually relate to the character zone and cannot be specific to adjacent buildings. Pavers must be supported by reinforced concrete, and contained by a minimum 12" concrete band or structural edging.

Campus Master Plan - Review

Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure (p.288)

Source: [Keystone Hardscape-Holland Stone](#)



10.4 Truncated Dome Paver

Product Description

Truncated dome pavers are required at all crosswalks to provide a tactile guide at each intersection meeting ADA compliance requirements.

Product Dimensions

Size: 3 7/8" x 7 3/16"

Pattern: Herring bone or Basket weave

Product Material

Concrete

Color: Red

Where to be placed?

Must be utilized at all pedestrian ramps

Additional Notes

Truncated domes must align the ramp on the opposite side of the crosswalk and be parallel to the path of travel. The visually impaired utilize the orientation to safely direct crossings.

Campus Master Plan - Review

"Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure (p.288)

Source: [Keystone Hardscape-Holland Stone](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



11.1 Black Star Gravel

Product Description

Gravel paving can be installed in seating areas where storm-water management is a concern and around trees

Product Dimensions

Length: N/A

Width: N/A

Height: N/A

Product Material

Crushed basalt

Color: Grey/black

Where to be placed?

Small Seating/Gathering Spaces, around trees in lieu of mulch and in areas where pervious paving is necessary to meet runoff requirements

Additional Notes

Gravel does have low-maintenance properties, but it is not completely maintenance free and must be secured in place with a border or edge. Because gravel can migrate it will need to be replenished periodically as well. Note that Klingstone can be utilized only with Design Review sub-council approval in high traffic areas.

Campus Master Plan - Review

“To help mitigate storm water runoff, permeable paving and retention areas, such as bioswales and raingardens, are encouraged..” (p.334)



11.2. Decomposed Granite

Product Description

Decomposed granite is a permeable, compacted, fine granite surface used to soften the appearance and give an organic feel while allowing water to move through it.

Product Dimensions

Length: N/A

Width: N/A

Height: N/A

Depth: 6” (compacted in 2” lifts)

Product Material

Weathered Granite- Red/Brown

Where to be placed?

Seating/Gathering Spaces, high traffic areas where concrete is not appropriate.

Additional Notes

Decomposed granite does have low-maintenance properties, but it is not completely maintenance free and must be secured in place with a border or edge. Because decomposed granite can migrate it will need to be replenished periodically as well. Natural stabilizers may be used as long as they do not change the appearance, and allow water filtration.

Campus Master Plan - Review

“To help mitigate storm water runoff, permeable paving and retention areas, such as bioswales and raingardens, are encouraged..” (p.334)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



12.1. Stone Cap Brick Wall

Product Description

Brick walls are constructed to screen bike parking from pedestrian pathways. These walls have brick cladding and a cast-stone coping. This can also include down-lights for night-time visibility.

Product Dimensions

Length: Varies

Width: Varies

Height: 16-48" (higher with approval)

Product Material

Brick and Cast stone (3/4" chamfer)

Color: To match the context.

Where to be placed?

Around bike parking, utilities, and service related items that detract from the campus aesthetic, and to retain soil for slopes and raised landscaped areas. This can applied campus-wide where screening is needed

Additional Notes

The cladding material on the wall should be modified depending on the character zone. All applications of brick site walls must be approved prior to installation.

Campus Master Plan - Review

"As Texas A&M works towards a stronger pedestrian-centric campus that encourages alternative modes of transportation, accommodating bicyclists and bicycles becomes a bigger priority. Purposefully incorporating bike parking into the campus design, improving usability, proximity, and safety, and making sure that bike parking is either sheltered or screened depending on its location is necessary. To ensure safety and visibility after dark, all bike parking areas must be well lit."(p.304)



12.2. Gabion Wall

Product Description

Gabions are steel enclosures filled with stone. They can utilize a variety of stone colors to achieve the desired aesthetic.

Product Dimensions

Length: Varies

Width: Varies

Height: Varies

Product Material

Stainless or Galvanized steel.

Where to be placed?

Gabions should be placed in naturalistic areas where a formalized concrete structure is undesirable or aesthetically inappropriate. Gabions can be used as retaining structures, seating, space separation among other uses.

Additional Notes

Gabion walls have a wide range of appearances that must be taken into account when considering their use. All applications of gabions must be approved through the Council for the Built Environment (CBE) process.

Campus Master Plan - Review

"Site or garden walls can be used for grade accommodation, screening purposes, or seating areas. These walls encourage informal meeting and gathering places in locations that naturally attract people, such as building entries or transit hubs. These walls should be permanent structures that match the campus standard. Site or garden walls should be brick or stone with a pre-cast stone cap or concrete where appropriate. The brick and stone should match the brick types in the building materials per character zone." (p.300)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



13.1. Wooden Decking

Product Description

Wood decks are utilized throughout campus in areas where the programmed spaces call for a softer feel than concrete, with a lower maintenance requirement than surfaces like decomposed granite. Wood decks must be of a sustainable, long-lasting material like Ipe wood.

Product Dimensions

Length: Varies

Width: Varies

Height: Varies

Weight: Varies

Capacity: Varies

Product Material

Wood: Ipe



Where to be placed?

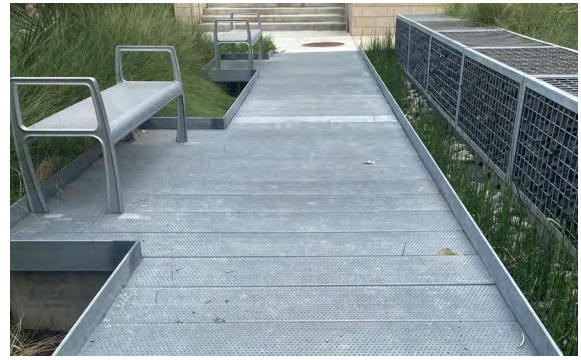
In programed small gathering spaces that call for a softer feel, around trees where gathering is to be encouraged, but the long term impact of compaction may compromise the trees health, and along pedestrian intersections where small to medium sized gatherings is appropriate.

Additional Notes

Decks must be custom designed and engineered for safety, and approved through the CBE process prior to installation. Ipe wood should be oiled to extend outdoor life expectancy

Campus Master Plan - Review

“Custom furnishings, custom pavers or pavement types, artificial turf, decking, shade sails, shade structures, water features, and planters are all features that could be incorporated, enhancing the unique, or “special,” nature of these spaces.” (p.326)



13.2. Steel Decking

Product Description

Steel decking may be used as a low maintenance alternative to wood decking. Decking should be perforated to prevent corrosion from standing water, the surface must be slip resistant.

Product Dimensions

Length: Varies

Width: Varies

Height: Varies

Weight: Varies

Capacity: Varies

Product Material

Steel, Galvanized

Where to be placed?

Around and over rain gardens, as bridges to carry pedestrians over areas that pedestrian traffic would compromise the landscape, and for seating of very small groups.

Additional Notes

Steel decks must be designed and engineered for safety, and approved through the CBE process prior to installation.

Campus Master Plan - Review

“Custom furnishings, custom pavers or pavement types, artificial turf, decking, shade sails, shade structures, water features, and planters are all features that could be incorporated, enhancing the unique, or “special,” nature of these spaces.” (p.326)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



14.1. The Weaver

Product Description

Accommodates eight hammocks or comfortably seats 16 people in a tight-knit community hang to lay down, relax, take a nap, soak up the sun and gear down with a good book, socialize and/or just enjoy the silence of the green space.

Product Dimensions

Length: 13'

Width: 15'

Height: 6' 5"

Product Material

Frame: Steel

Finish: Powder-coat

Color: Silver



Where to be placed?

Outdoor courtyards adjacent to student housing, gathering spaces, study areas, shade structures, outdoor seating, pocket parks, and open green space that allows small recreation activities.

Additional Notes

Custom designed as part of landscape package.

Trees that are being used for hammock should be substituted with dedicated hammock stands.

Campus Master Plan - Review

"The sight of students lounging in hammocks around campus is become more popular.... As Texas A&M's student population grows and hammocks gain in popularity, campus should consider dedicated zones, infrastructure, and even shade sails for hammocks." (p.307).

Source: [Kammok](#)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



14.2. Hammock Stands

Product Description

Custom designed welcoming hammock stands which give ample opportunity to lay down, relax, take a nap, soak up the sun and gear down with a good book, socialize and/or just enjoy the silence of the green space.

Product Dimensions

Spacing: Variable

Length: Variable

Product Material

Steel

Finish: Powder-coat

Color: Silver



Where to be placed?

Outdoor courtyards adjacent to student housing, gathering spaces, study areas, shade structures, outdoor seating, pocket parks, and open green space that allows small recreation activities.

Additional Notes

Custom designed as part of landscape package.

Trees that are being used for hammock should be substituted with dedicated hammock stands.

Campus Master Plan - Review

"The sight of students lounging in hammocks around campus is become more popular.... As Texas A&M's student population grows and hammocks gain in popularity, campus should consider dedicated zones, infrastructure, and even shade sails for hammocks." (p.307).



15.1. Concrete Maintenance Band

Product Description

Concrete maintenance bands separate landscape and turf areas and restrain soft paving applications like decomposed granite, and gravel. Maintenance bands allow for more efficient and effective maintenance at landscape transitions. They should be used to separate different landscape types whenever possible.

Product Dimensions

Length: Varies
 Width: 6" or 12"
 Depth: 4"

Product Material

Concrete: medium broom finish

Where to be placed?

Campus-wide as a barrier at landscape transitions between turf and mulch, as well as to restrain pavers and soft paving like decomposed granite, and gravel. including hard pavers, mulch, planters and turfs.

Additional Notes

Campus Master Plan - Review

"The continuity of ground level materials plays a major role in the structure of the broader campus environment. When differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure.

" (p.296)



15.2. Steel Edging

Product Description

Stainless steel edging supports the edge of pavers and is a barrier between different landscape types (turf, mulch, rock).

Product Dimensions

Length: Depends on the area
 Width: 7/64 inch thick
 Height: 6 inch
 Weight: Varies

Product Material

Material : Steel
 Finish: Stainless

Where to be placed?

Campus-wide as a barrier between different landscape types including hard pavers, mulch, gravel, decomposed granite, planters and turfs in areas where maintenance bands are not practical, or aesthetically undesirable.

Additional Notes

Use with caution in areas with high traffic. Edging can be damaged by pedestrians, as well as golf carts and other wheeled Areas where there is heavy footfall on pathway, care needs to be taken.

Campus Master Plan - Review

"The continuity of ground level materials plays a major role in the structure of the broader campus environment. When differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure.

" (p.296)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



16.1. Tensile Shade Canopy

Product Description

Tensile shade canopies are used throughout campus to provide both permanent shade as well as temporary shade in areas to increase comfort as we wait for tree canopy to fill in effectively.

Product Dimensions

Length: Varies

Width: Varies

Height: 12 ft - 15 ft

Product Material

Tensile fabric or membrane: Poly based material, engineered to be UV stabilized, and long lasting.

Connectors: Stainless Steel

Posts: Steel powdercoat/anodized

Color: contextually base, with approval

Where to be placed?

Canopies should be placed in small, medium, and large gathering areas that are adjacent to pedestrian pathways to enhance the environmental comfort for programmed spaces.

Additional Notes

All components and elements of the shelter should read as part of a consistent design language. It must be designed and engineered, and approved through Council for the Built Environment (CBE) process.

Campus Master Plan - Review

“Canvas shade structures are located on campus within the green spaces adjacent to the Engineering Activities Buildings (EAB) and within residence life areas. These contemporary forms of shading are not appropriate for the historic core but may be appropriate elsewhere across campus, such as for hammock areas, around student housing, or in parks.....intent is to ultimately eliminate the canvas shade structures once the surrounding trees have reached maturity and are providing ample natural shade.”(p.302)



16.2. Steel Structure Canopy

Product Description

Steel Structure Canopies are used throughout campus to enhance a variety of programmed outdoor space and provide protection from the elements.

Product Dimensions

Length: Varies

Width: Varies

Height: 12 ft - 15 ft

Product Material

Steel or aluminum

Finish: Powdercoat/Anodized/Brushed

Color: Approval required

Where to be placed?

Canopies should be placed in areas that are adjacent to pedestrian pathways to provide an enhanced environment for a variety of programmed spaces. These should be primarily solid canopies with fans, lights, and power for user devices to improve comfort.

Additional Notes

All components and elements of the shelter should read as part of a consistent design language and items such as seating, lighting, and trash receptacles should constitute an integrated, cohesive, and consistent design. It must be designed and engineered, and go through Council for the Built Environment (CBE) approval process.

Campus Master Plan - Review

“In addition to planting new shade trees, which can take years of growth before they provide adequate shade, the campus can install built-in shading structures to provide immediate shade in both large and small gathering areas.”(p.302)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



16.3. Golf Cart Shelter

Product Description

Hip roof shelters to provide shading for golf cart parking. These shades are consistently constructed throughout the campus in locations that do not compete visually with the surrounding architecture.

Product Dimensions

Length: Varies

Width: Varies

Height: 12 ft - 15 ft

Product Material

Metal roof with fascia and metal posts

Finish: Anodized



Where to be placed?

Areas where Golf cart parking is needed and cover is required.

Additional Notes

All components and elements of the shelter should read as part of a consistent design language . Structures must be designed and engineered prior to submission to the CBE approval process. It should not be a foreground element.

Campus Master Plan - Review

"All campus shelter designs, which includes bikes and golf cart shelters, such as the ones at J.K. Williams Administrative Building, must be well proportioned to give them a sleek and elegant appearance, similar to the campus standards for bus shelters."(p.302)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.



17.1. Unlighted Bollards

Product Description

Unlighted bollards are used in any area that has a need to restrict vehicular traffic but maintain a pedestrian connection. Removable Unlighted bollards must be locked in place.

Product Dimensions

Length: N/A
 Width: 4 3/8"
 Height: 36"
 Weight: 33 lbs
 Capacity: N/A

Product Material

Steel Powder Coat, Silver



Where to be placed?

Pedestrian pathways that need to restrict vehicle traffic either permanently, or allow intermittent access for service and emergency services vehicles.

Additional Notes

Bollards can be either permanently installed, or removable with a lock. See Transportation Services for further information on lock control for removable bollards.

Campus Master Plan - Review

"Bollards are necessary to control entrance to pedestrian-only areas and to protect equipment and buildings when in close proximity to vehicular traffic." (p.300)

Source: [Reliance Foundry](#)



17.2. Monument Pedestals

Product Description

Monument Pedestals are raised platforms used for displaying the historical plaques. This platform serves as an open educational exhibit along pedestrian pathways.

Product Dimensions

Length: 8' (may vary depending on display)
 Width: 3'
 Height (Back): 3'-9"
 Height (Front): 2'-5"

Product Material

Base: Concrete core with cast-stone veneer
 Top: Polished Sunset Red Granite

Where to be placed?

Along Military walk and near major heritage buildings and sites, and other areas on campus to provide historical education information.

Additional Notes

Placement requires review and approval through the CBE process for the pedestal, and the text/images involved in the display.

Campus Master Plan - Review

Material continuity plays a major role in the structure of the broader campus environment. As such, products and material choices that differ in color, style, and construction highlight a lack of cohesion. When these differing elements are adjacent, it can be particularly confusing and undermines the desire for order and ground plane structure (p.288)

Note: All chosen products, materials and colors require approval by the UA Office before purchasing.