

GUIDELINES FOR PROFESSIONAL SERVICES

DIVISION 32 – EXTERIOR IMPROVEMENTS

The following items are to be included on the drawings and in the specifications by the Design Professional:

I. CONCURRENCY

A. Section 1013.33 of the Florida Statutes requires coordination of planning with local governing bodies. The Executive Director of Construction Services will determine if a specific project is covered by this Statute or under an Interlocal agreement. The Design Professional shall formally request from the Executive Director of Construction Services an opinion as to whether or not concurrency applies to their project.

II. SITE CONSIDERATIONS

A. Parking Lots

1. Islands in parking lots shall be minimized.
2. Islands that are required shall be curbed and finished with a high quality weed barrier mat and a minimum of 5 inches of cypress mulch.

B. Concrete Sidewalks, driveways, curbs and gutters

1. All concrete for sidewalks and driveways shall have a minimum 28-day compressive strength of 3000 psi and have fiber-mesh reinforcing. Welded wire mesh shall not be used.
2. All concrete for curbs and gutters shall have a minimum 28-day compressive strength of 3000 psi.
3. Sidewalks adjacent to existing shall be pinned with a minimum of 8” inset with #5 rod 2’ on center.

C. Asphalt Paving

1. All on site asphalt wearing surfaces shall be type S-III (3/8” aggregate)

D. Landscaping

- a. All sod shall be Argentine Bahia.
- b. High School athletic fields shall be Bermuda grass.

2. Trees and Shrubs

- a. All trees and shrubs shall be native Florida species and shall be limited to the current edition of the School Board Hardy Florida Native and Florida Friendly Plants booklet.
- b. Trees shall be a minimum of 30' from any building roof and shall have a canopy not less than 8'.
- c. Shrubs shall be no taller than 3'.

E. Irrigation

1. Permanent irrigation shall be limited to athletic fields.
2. Temporary drip irrigation may be allowed only to establish landscaping.

III. FUNCTIONAL RELATIONS

A. Building Guidelines

1. Master plan wherever possible the total anticipated complex so that drives, utilities and related items are appropriately sized and located for future expansion of the campus.
2. Provide designated areas of campus facilities that can be used for off-hour use by school advisory groups, community and civic organizations that can be properly controlled and have minimal energy consuming effect.
3. Comply with CPTED (Crime Prevention Through Environmental Design).

IV. SAFETY FEATURES – SECURITY

A. Building details and features shall be designed to discourage climbing and vandalism. Recesses, alcoves and offsets that would screen vandals shall be held to a minimum.

1. Pipe over 30" in diameter shall have features at all openings to restrict access.
2. With the exception of retention basins, all storm drainage shall be in underground pipe drains where possible. The use of drainage ditches and swales shall be held to a minimum. Where attenuation studies would indicate it desirable, grade site to form storm water retention basins to retain excessive rainfall. Basins that retain more than 12" depth of water when at full design capacity shall be fenced with 6' high chain link mesh.
3. A galvanized 6' high mesh chain link (9gauge) fence shall be shown on the drawings to enclose all open or unprotected water and sewage treatment tanks, transformers, chillers, or other hazards to students. Each area shall be provided with a pair of 5' wide gates to provide a 10' clear opening. The use of die-cast fittings will not be acceptable.

B. Fencing: All fencing plans shall be reviewed and approved by the School Board's Chief of Police.

1. Fencing which has high public visibility such as in the front of schools shall be vinyl coated and all other areas shall be galvanized.
2. Fabric: No. 9 ga. (0.148" + 0.005") steel wires, 2" mesh, with top and bottom selvages knuckled for all fabric.
3. Fabric Finish: Galvanized, ASTM A 392, Class I, with not less than 1.2 oz zinc per sq. ft. of surface.
4. End, Corner, and Pull Post shall have minimum sizes and weights as follows:
 - a. Up to 6' fabric height: 2.375" OD steel pipe, 3.65 lbs. per lineal ft. and buried a minimum of 24".
 - b. Over 6' fabric height: 2.875" OD steel pipe, 5.79 lbs. per lineal ft. and buried a minimum of 36".
5. Line Posts: Space 10' o.c. maximum, of following minimum sizes and weights:
 - a. Up to 6' fabric height: 1.90 OD steel pipe, 2.72 lbs. per lineal ft. and buried a minimum of 24".
 - b. 6' to 8' fabric height: 2.375" OD steel pipe, 3.65 lbs. per lineal ft. and buried a minimum of 24".
 - c. Over 8' fabric height: 2.875 OD steel pipe, 5.79 lbs. per lineal ft. and buried a minimum of 36".
 - d. All line posts shall have steel ties (not vinyl).

6. Gate Posts:

| <u>Leaf Width</u> | <u>Gate Post</u> | <u>Lbs./Lin.Ft.</u> |
|--------------------|------------------|---------------------|
| a. Up to 6' | 2.875" OD pipe | 5.79 |
| b. Over 6' to 13' | 4.000" OD pipe | 9.11 |
| c. Over 13' to 18' | 6.625" OD pipe | 18.97 |
| d. Over 18' | 8.625" OD pipe | 28.55 |

7. All fences to have top rail equal to line post.
8. All fences shall have galvanized .177-inch diameter bottom tension wire.

C. Windscreens

1. Fencing around tennis courts shall have windscreens equal to Durascreen 80% as manufactured by Southern Shade Solutions, with a minimum fabric weight of 9.5 ounces per square yard.