



City of Richmond, Texas
 112 Jackson Street.
 Richmond, Texas 77469
 281-232-6871 –
 281-238-1215 fax
www.richmondfd.com/permit.htm

Effective April 1, 2009, the City of Richmond is the administrative agent for plan review, permitting, inspection, and enforcement of the Standards of the West Fort Bend Management District within the City or its ETJ.

PLAN REVIEW CHECKLIST

FOR COMMERCIAL AND INDUSTRIAL PROPERTIES WITHIN THE WEST FORT BEND MANAGEMENT DISTRICT

This document is a shortened version of the requirements of the West Fort Bend Management District in the form of a checklist. This checklist summarizes the requirements of the District that need to be shown on the plans submitted for a permit. We advise you to obtain a copy of the entire set of Standards and Regulations (including photo exhibits), from the Building Department, or download the Standards and Regulations at the District’s website, www.wfbmd.org.

Check Applicable Roadway (“Corridor”)

These Corridor descriptions are stated in general terms. Please refer to Exhibit A (located in the Standards or available at the Planning Department) to determine if a property is within the District boundaries.

- U.S. 59 Corridor – includes property on both sides of U.S. 59 and extends from the Grand Parkway on the east to just short of the City of Beasley on the west
- Highway 36 Corridor – includes property on both sides of Highway 36 and extends from Rosenberg city limit line on the northwest to the northern right of way of the Union Pacific Railroad on the southeast
- Highway 90A Corridor – includes property on both sides of Highway 90A and extends from Richmond ETJ line on the east to the Brazos River on the west
- FM 359 Corridor – includes property on both sides of FM 359 and extends from Highway 90A on the south to Farmer Road on the north then west to Jones Creek
- FM 762 Corridor – includes property on both sides of FM 762 and extends from FM 2218 on the northwest to FM 2759 on the southeast
- FM 2218 Corridor – includes property on both sides of FM 2218 and extends from U.S. 59 on the southwest to FM 762 on the northeast
- Spur 10 Corridor – includes property on both sides of Spur 10 and extends from Highway 36 on the north to U.S. 59 on the south

The property does not necessarily have to be addressed on these roads to be in the District. The District boundaries extend out 1,000 feet from the centerlines of the above mentioned roadways. Many of the Standards also apply to Secondary Roads, which are roads within the District boundaries that intersect the Corridors listed above. If a property appears to be “half in and half out” of the District, then Staff will have to make a determination as to whether the Standards apply.

Check Applicable Applications and Associated Fees:

Application Type:	Fees Inside City	Fees Outside City	Amount Enclosed
Building Permit	\$ 250.00	\$ 500.00	
Landscape Permit	\$ 250.00	\$ 500.00	
Lighting Permit	\$ 100.00	\$ 250.00	
Site Clearing Permit	\$ 100.00	\$ 250.00	
Heritage Tree Removal Permit	\$ 500.00	\$ 500.00	
Plat	\$ 250.00	\$ 250.00	
Sign Permit	\$ 25.00	\$ 25.00	

STANDARDS

Please show all specific requirements and all numerical requirements on the plans. For items that do not need to be shown, please include in the form of a notation on the plans.

Buildings in the US 59, Spur 10, and Highway 36 Corridors

Setback lines from US 59, Spur 10, Highway 36

- All buildings shall be setback a minimum of 40 feet from the right-of-way of these roadways.
- All surface parking shall setback a minimum of 35 feet from the right-of-way of the these roadways.

Setback lines from Secondary Roads connecting to US 59, Spur 10 and Highway 36

- All buildings shall have a minimum building setback lines of 40 feet from any Secondary Road right-of-way.
- All surface parking shall have a minimum setback lines of 25 feet from any Secondary Road right-of-way.

Setback lines from Side and Rear Property Lines (applies to all Corridors and Secondary Roads)

- A minimum 6 foot surface parking setback line shall be maintained from all side and rear property lines and a minimum 10 foot building setback line shall be required for all side and rear property lines.

Buildings in the Hwy 90A, FM 359, FM 762, and FM 2218 Corridors

Setback lines from Corridors and Secondary Roads

- All buildings shall be setback a minimum of 35 feet from the right-of-ways of all Corridors and Secondary Roads.
- All surface parking shall setback a minimum of 25 feet from the right-of-way of the Corridors.

Setback lines from Side and Rear Property Lines

- A minimum 6 foot surface parking setback shall be maintained from all side and rear property lines and a minimum 10 foot building setback shall be required for all side and rear property lines.

Building Materials (applies to all Commercial and Industrial Structures in the District)

- The exterior building materials for buildings within the Corridor and Secondary Roads shall be comprised of 80% brick, stucco, stone, glass, or combination thereof.
- All parking lots shall be constructed of reinforced concrete and shall be properly drained. Construction plans with structural details shall be reviewed and approved by the District or its designee.

Additional Building Material Requirements for Industrial Buildings

- All Building Materials listed above.
- May not include highly reflective surfaces at the ground story, exposed and untreated precision block walls, false fronts, "stuck on" mansard roofs on small portions of the roofline, and unarticulated facades.

- Loading areas shall not be located at the front of buildings.
- These design elements are strongly encouraged: employing a variety in structure forms to create visual character and interest; avoiding long unarticulated facades; employing facades with varied front setback lines; employing architectural treatment of all structure elevations; relating windows and doors to the scale of the elevation and providing recessed openings for depth and contrast; alteration of colors and materials.
- Use of metal as a building facade must be reviewed and approved by the District or its designee prior to construction.
- Tilt wall construction is permitted.

Landscape Standards

Tree Preservation

- Trees that are greater than 30 inches in diameter, measured at a level 24 inches above natural ground shall not be removed from any site within the District without a Heritage Tree Removal Permit.
- A tree survey of all trees greater than 18 inches and a long term Tree Preservation Plan drawn by a registered Urban Forester shall be submitted to the District or its designee.
- A site clearing permit is required in order to remove, destroy or disfigure any trees in the Corridors and Secondary Roads. Normal maintenance and pruning of trees does not require a site clearing permit.

Landscape Requirements for Parking Setbacks

- The following are approved trees for parking setbacks for commercial and industrial developments and parking lots along the Corridors and Secondary Roads: pecan, sweet gum, sycamore, willow oak, live oak, shumard red oak, lacebark elm, bald cypress, Montezuma cypress, Mexican sycamore, loblolly pine, magnolia, swamp red maple, Texas hickory, and cedar elm.
- Trees, shrubs and grass shall be the primary landscape materials that provide a landscape buffer in the parking setbacks between the Corridors and Secondary Road right-of-ways. The grass ground cover shall be hydro-mulched on a graded surface that provides adequate drainage. Weeds and underbrush shall be removed and topsoil provided to allow for a healthy stand of grass. If winter rye is planted during the winter months, Bermuda seed shall be added to provide for growth during warmer temperatures.
- All grass turf shall be irrigated with an automatic sprinkler system. Fertilization shall be scheduled on a regular basis to maintain the turf in a healthy condition.
- Single trunk, 3.5 inch caliper, 65 gallon, 12 to 14' high trees shall be planted in groupings of between 3 and 7 trees spaced on 30 foot to 40 foot centers. The tree groupings shall be randomly spaced along the Corridor and Secondary Roads. The total number of trees required shall be determined by a formula that takes the linear front footage along the Corridor or Secondary Road and divides it by 30. (If, for example, a property owner had 600 linear feet of frontage they would be required to install a total of 20 trees (600/30 = 20).)
- All trees shall be adequately irrigated with a drip system. Trees shall be pruned at least every two years and fertilized on a regular schedule as required to maintain their health. All dead or dying plants or trees shall be removed or replaced within 90 days of notice.

Landscape Requirements for Side Property Lines

- A double row of 5 gallon or larger Wax Leaf Ligustrums or Wax Myrtles shall be installed in triangular spacing of 18 inches along all side property lines. The shrubs will provide a hedge that will be maintained at a 4 foot height.
- 65 gallon single trunk trees, 3.5 inches in diameter, 12 feet to 14 feet in height, shall also be installed along all side property lines, spaced at 40 feet on center. If there is an adjoining site to the side property line, the

first owner to develop the property will provide the trees and the other property owner will provide the shrubs.

- All landscaping shall be irrigated with an automatic system.

Landscape Requirements for Parking Lots

- Planting islands shall be required at the end of all parking bays.
 - Two trees shall be planted within each end of the parking bays, 10 feet from the edge of the bay planter as shown on Exhibit B (see photo in Standards).
 - The trees shall be 65 gallon, 3.5 inch caliper, single trunk, 12 feet to 14 feet in height.
- Every fourth space shall contain a 6 foot curbed planter diamond.
 - Trees shall be planted in each diamond planter (see Exhibit C photo in Standards).
 - The trees shall be 65 gallon, 3.5 inch caliper, single trunked, 12 to 14 in height.
- All trees shall be irrigated with automatic systems.
- A Wax Leaf Ligustrum or Wax Myrtle hedge shall be required along the outside border of all parking lots.
 - The plants shall be planted in a double row, triangularly spaced on 18 inch centers.
 - The hedge shall be maintained at a height of 4 feet.
 - The hedge shall be irrigated with an automatic system.

Additional Landscape Requirements for Industrial Property Only

- All Landscape Standards and Requirements listed above.
- Landscaping should define areas by helping to focus on entrances, by defining edges of various land use, by providing transition between neighboring properties and providing screening for outdoor storage, loading and equipment areas.
- Landscaping shall be in scale with adjacent buildings and of appropriate size at maturity to accomplish its intended goals. Use of native, disease-resistant, drought-resistant varieties of plant materials is strongly encouraged. See Exhibit E in Standards for list of recommended plants, shrubs and trees.
- Landscaping around the entire base of buildings is recommended.
- Trees should be located throughout the parking lot and not simply at the end of parking aisles.
- Landscaping should be protected from vehicular and pedestrian encroachment by raised planting surfaces, depressed walks, or the use of curbs.
- Berming in conjunction with landscaping can be used at the building edge to reduce structure mass and height along facades.

Lighting Standards

- A photometric drawing shall be submitted to the District or its designee.
- The photometric drawing will depict the design layout with a point-by-point footcandle lighting level for the entire site, including parking areas and the exterior of the buildings.

- All retail lighting shall achieve a minimum average level of 10 foot candles with a maximum/minimum uniformity ratio of 14 to 1.
- All other commercial (excluding retail) office building lighting shall achieve a minimum average lighting level of 3 foot candles with a maximum/minimum uniformity ratio of 12 to 1. The size and style of the lighting fixtures shall also appear in the form of a schedule.
- No flood lights shall be mounted on buildings except for wall packs on the rear of buildings.
- Lighting shall be low-key and the placement of fixtures shall coincide with major walkway areas.
- The choice of fixtures shall reflect the theme and architecture of the building. Site structure lighting shall be illuminated with a concealed, stationary shielded light source.
- In the City's ETJ, when these Standards conflict with the Fort Bend County Lighting ordinance, the County regulations take precedence.

Additional Lighting Standards for Industrial Development

- All Lighting Standards listed above.
- Lighting will improve safety and security and enhance the evening driving experience for residents and visitors, and provide an appropriate level of light without glare or overflow on to the Corridors or Secondary Roads. Lighting should be shielded to confine light spread within the site boundaries.
- Design of light fixtures and their structural support will be architecturally compatible with the main buildings. Illuminators will be integrated within the architectural design of the buildings.
- All building entrances should be well lighted. As a security device, lighting should be adequate but not overly bright.

Screening

Service and Utility Areas

- All service and utility areas shall be screened from public view by screens, masonry fences, and other devices approved by the District or its designee.
- Trash areas and dumpster locations shall be permanently fenced or screened with masonry enclosures that closely resemble the building's exterior color, with solid metal gates.
- Trash areas and dumpster locations shall be placed so that they are not visible from a public street. The gated side of the dumpster shall face the back of the associated building when located in close proximity to the building.
- Trash areas and dumpster locations shall be landscaped on all visible sides.
- All air-conditioning or ventilating equipment mechanical equipment such as water towers, storage tanks, cooling towers, heating equipment, or electrical equipment shall be mounted and screened from public view by fencing or landscaping.

Additional Screening for Industrial Property

- Screening should be designed to blend with the site's architecture
- Plant materials may be used in combination with appropriate fencing materials.
- Any equipment, whether on the roof, side of building or ground, shall be screened by methods that integrate architecturally with the building.

- Screening will be used to screen automobiles, loading and storage areas and utility structures.

Rooftop Equipment

- Rooftop-mounted equipment must also be screened with materials that match the building components.
- A site line study shall be submitted to the District or its designee that illustrates that all rooftop equipment is not visible from a distance of 2000 feet from any direction at ground level.

Cart Storage Areas

- A minimum planting bed 2 feet in width (inside dimensions) shall be provided on both sides of a cart storage area.
- A single row of 5 gallon Wax Leaf Ligustrums or Wax Myrtles planted 24 inches on center shall be placed in beds in a triangular pattern as generally shown on Exhibit D (see photo in Standards).

Driveways for Drive-Thru Lanes

- Drive-thru lanes for fast food restaurants, financial institutions, pharmacies, or any other use requiring a drive-thru lane shall require a minimum of 2 double rows of landscaping to completely screen vehicles from public view.
- The row of landscaping closest to the traffic lane shall be minimum 5 gallon Wax Myrtles or Ligustrums planted 18 inches on center in a triangular pattern in a double row to create a hedge that will be maintained at 6 feet in height.
- The second row shall be 5 gallon Dwarf Wax Myrtles or Ligustrums planted 18 inches on center in a double row and maintained at a 3 height.

Dry-bottom Detention Areas

- Dry-bottom detention areas shall be screened by hedges or an earth berm.

Fence Requirements

- Fences shall be constructed for security or screening purposes and shall be constructed of masonry, concrete, wrought iron or tubular steel.
- Chain link, chicken-wire, hog-wire, razor wire, barbed wire or wood fencing is prohibited.
- Fences shall be setback 6 feet from side and rear property lines.
- Fences shall be at least 6 feet but no more than 8 feet high.

Additional Fencing Requirements for Industrial Property

- Fence Requirements listed above.
- Barbed wire as an accessory to another type of fence is permitted when the barbed wire material is located along the top of the fence and is at least 6 feet above ground level.