



Incorporated 1977

City of Fulshear

PH: 281-346-1796 FAX: 281-346-2556 -- P.O. Box 279/30603 FM 1093 Fulshear, TX 77441

Standards For Concrete and Steel **(Residential and Commercial)**

Residential

1. **Public Sidewalks:** 4' wide, 4" thick minimum concrete at 2500 PSI reinforced with #3 rebar, 18" OCEW supported, dowels @ 18" OC. *(must comply with all notes)
2. **Walkways:** Minimum 2' wide, 3 1/2" thick minimum concrete at 2500 PSI reinforced with minimum 6"X6", #6 wire mesh supported dowels @ 18" OC. *(must comply with all notes)
3. **Driveways:** 3 1/2 " thick minimum concrete at 2500 PSI reinforced with minimum 6"X6", #6 wire mesh supported, dowels @ 18" OC. *(must comply with all notes)
4. **Radius:** 2' to 5' *(must comply with all notes)
5. **Patio Slabs:** 4" thick minimum concrete at 2500 PSI reinforced with minimum 6"X6", #6 wire mesh supported. If attaching to existing concrete, add dowels at 18" OC. *(must comply with all notes)
6. **Approach:** 6" thick minimum concrete at 2500 PSI to property line
 - a. #3 rebar at 18" OCEW and supported
 - b. Sleeve dowels at existing concrete street (unless street is asphalt) and attach two (2) each #3 rebar running parallel to the street and tied to the dowels. *(must comply with all notes)

Commercial

1. **Driveways:** 6" thick minimum concrete at 3000 PSI
 - a. #3 rebar at 24" OCEW, dowels at 18" OC
 - b. *(must comply with all notes)
2. **Common Parking:** 5" thick minimum concrete at 3000 PSI
 - a. #3 rebar at 24" OCEW, dowels at 18" OC
 - b. *(must comply with all notes)
3. **Radius:** 5' to 10' *(must comply with all notes)
4. **Approach:** 6" thick minimum concrete at 3000 PSI to property line
 - a. #3 rebar at 18" OCEW and supported
 - b. Sleeve dowels at existing concrete street (unless street is asphalt) and attach two (2) each #3 rebar running parallel to the street and tied to the dowels. *(must comply with all notes)

Notes

- A. **Full Expansion Joints**: Pressure treated or sound heart redwood $\frac{3}{4}$ " thick with OA 90 asphalt joint seal
 - a. 10' OC
 - b. 12" dowels, 18" OC
 - c. 6" into existing slabs and epoxyed
 - d. Sleeve exposed sides and dowels
- B. **Partial Expansion Joints**: 1"X2" expansion joint (pressure treated or sound heart redwood with steel running continuously underneath (no dowels needed))
 - a. 10' OC
- C. **Control Joints**: Saw cut between every expansion joint. $\frac{1}{2}$ " x $\frac{1}{2}$ "
- D. **Dowels**: (load transmission devices) #3 rebar, 12" long, 18" OC
 - a. 6" into existing slabs and epoxyed
 - b. Sleeve exposed sides
- E. **Proper Steel Support and Placement**
 - a. 2" from earth (dirt)
 - b. $\frac{1}{2}$ " form all form boards
 - c. All steel tied
 - d. Only non-corrosive steel supporting steel, or must use approved chairs, **concrete** bricks, or other approved material