Residential Masonry Fence/Wall Details

This standard applies to ONLY residential properties located south of Shea and west of 122nd Street.

Don't live within these boundaries? Engineered plans may be required.

See the One Stop Shop for more details, or call 480-312-2500.
This standard includes the minimum requirements for construction of residential masonry walls and fences on single-family residential lots located south of Shea Blvd and west of 122nd street. A building permit is required for the construction of new masonry walls three (3) feet or taller or for the replacement of an existing fence. This standard does not include the construction of retaining walls. This should not be considered a complete list of code requirements. Inspections must be passed before the work is considered completed by the City of Scottsdale.

A. LOCATION

Fences, retaining walls and associated footings are permitted to be constructed on/or within property lines. The city of Scottsdale does not get involved in property line disputes related to fence and footing locations or fence ownership. These disputes are civil matters and must be resolved between the concerned parties. Walls and fences shall not exceed 3 ft. in height located within the required front yard. The fence height is measured from natural grade on the inside of the enclosure. NOTE: setbacks are measured from property line.

Planning and Zoning 480-312-7083
Request Line 480-312-5796
Development Services 480-312-2500
Inspection Services 480-312-5750

B. PERMIT AND PLAN REQUIREMENTS

1. Provide a plot plan (see attached example) showing the street(s), property lines, lot dimensions, location of all existing structures and the location of the fence. List the lineal footage of the fence to be built. You may contact the City Records Department (480-312-2356) to verify if there is an existing site plan on file for your property. If one is not available, you may obtain a copy of your subdivision lot showing the lot dimensions and any easements on your property.
2. The attached building plans are for your use. You cannot exceed the fence/wall height dimensions that are shown.

C. INSPECTION REQUIREMENTS

You will receive an inspection card that lists in detail the required inspections. The following list is for your information and may vary depending on what you will be including in your building.
1. A fence footing inspection.
2. A masonry grout inspection
3. A masonry bond beam inspection
4. A fence final

ABBREVIATIONS:
P.U.E. = PUBLIC UTILITY EASEMENT
W/N=WITHIN
O.C=ONCENTER
PRESS.=PRESSURE TREATED
CONSTRUCTION JOINT IN WALL NOT TO EXCEED 20' O.C.

#4 CONT. IN 8"DP.BOND BM.

STANDARD WEIGHT JOINT LADDER REINFORCING #9 LONG. WIRES

#4 DOWELS @ 48"O.C.

ALL CELLS CONTAINING VERTICAL REINFORCEMENT SHALL BE GROUTED SOLID

FOOTING CONSTRUCTION JOINT NOT TO EXCEED 40' O.C. WITH 1/2" PREMOLDED ASPHALT BOARD W/ 2 #3 x1'4" DOWELS

MATERIALS:

<table>
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<tr>
<th>Material</th>
<th>Description</th>
<th>psi</th>
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<tr>
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<td>REINFORCING</td>
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<td>CMU</td>
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<td>MORTAR</td>
<td>ASTM TYPE S</td>
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<tr>
<td>GROUT</td>
<td>f'c = 2000</td>
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<tr>
<td>DUROWALL</td>
<td>f'y = 80,000</td>
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6" OR 8" MASONRY FENCE WALL

SECTION

ELEVATION

MINIMUM STANDARD

CITY OF SCOTTSDALE

8/24/2000 YEAR 2000
4" MASONRY FENCE
(DOOLEY FENCE)

MATERIALS:

CONCRETE
f'c = 2500 psi

REINFORCING
fy = 40,000 psi

CMU
f'm = 1350 psi

MORTAR
ASTM TYPE S

GROUT
f'c = 2000 psi

DUROWALL
f'y = 80,000 psi

DETAIL AT PILASTER

8" X 16" PILASTER BLOCK

PILASTER

9'-4" O.C. MAX

ELEVATION

SECTION

FINISH GRADE

8" x 10" CONC. FTG.

10" φ OR 10" X 10" CONCRETE

#8 DUROWALL
© 16" O.C.

1 #4 REBAR IN GROUTED CELL AT PILASTER

WEIGHT OF MASONRY

2'-4"

YEAR 2000

CITY OF SCOTTSDALE