

# Data Standards for Site Plans

The purpose of this document is to convey Salt River Project's data standards for receiving site plan CAD files.

These requirements were developed using CAD drawing standards from the American Institute of Architects and Maricopa County.

## BASIC FILE REQUIREMENTS

Purge drawing files prior to delivery.

### 1. *Features Contained in File*

- Buildings
- Sidewalks
- Streets
- Parking
- Water Lines
- Sewer Lines
- Storm Drains
- Fire Lines

### 2. *Multiple Phase Jobs*

Each MCR should be associated with one drawing file.

### 3. *Projection*

State plane coordinates (Arizona Central 202) and NAD27.

### 4. *Units*

Assign appropriate units in the drawing file.

#### a. **Architectural**

- Master Units = ft (feet)
- Sub Units = in (inches)
- Sub Units per Master Unit = 12
- Positional Units per Sub Unit = 1000

#### b. **Decimal**

- Master Units = in (inches)
- Sub Units = th (tenths)
- Sub Units per Master Unit = 10
- Positional Units per Sub Unit = 100

#### c. **Engineering**

- Master Units = ft (feet)
- Sub Units = th (tenths)
- Sub Units per Master Unit = 10
- Positional Units per Sub Unit = 1000

### 5. *Reference Files*

Bind (Merge) all Xref files into the master file or turn on all xrefs and copy clip live to active file.

### 6. *Cells*

Drop status on all shared cells.

### 7. *Proxies*

Explode all proxy elements.



# Site Plan Level / Layer Requirements

Feature Type	Maricopa County Requirements	
	Layer #	Layer Name
Section Lines	6	C-SEC-LINE
Section Line Monuments	7	C-SEC-LINE-MON-CEL
Section Corner Info	8	C-SEC-COR-TXT
Parcel lines (Property lines)	10 & 11	C-PL-BND & C-PL-BND-SUB
Parcel lines (Property lines) bearings, distances, & curve dimensions	14	C-PL-DIM
Lot numbers & Tracts	15	C-PL-LOT-NUM
Parcel Numbers (Apns)	16	C-PL-APN
Address Numbers	21	C-PL-ADDR
Street ROWs	22	C-RW
Street Centerlines	23	C-RW-CL
Centerline Bearings & Curve Dimensions, & ROW Widths	24	C-RW-CL-DIM
Street Names	26	C-RW-NMS
General Notes	N/A	N/A
Ties to section corners	N/A	N/A
Buildings	N/A	N/A
Water	N/A	N/A
Sewer	N/A	N/A
Other Utilities	N/A	N/A
Gas	N/A	N/A
Data from adjacent properties	N/A	N/A
Curbing	N/A	N/A
Irrigation	N/A	N/A
Reclaimed Water	N/A	N/A
Telco	N/A	N/A
Grading	N/A	N/A
Data from adjacent properties	N/A	N/A

SRP Requirements	
Layer #	Layer Name
6	C-SEC-LINE
7	C-SEC-LINE-MON-CEL
8	C-SEC-COR-TXT
10	<b>C-PL-BND</b>
14	C-PL-DIM
15	C-PL-LOT-NUM
16	C-PL-APN
21	C-PL-ADDR
22	C-RW
23	C-RW-CL
24	C-RW-CL-DIM
26	C-RW-NMS
27	<b>C-NOTES</b>
41	<b>C-TIES</b>
42	<b>C-BLDG</b>
43	<b>C-WATER</b>
44	<b>C-SEWER</b>
45	<b>C-OTHER-UTIL</b>
46	<b>C-GAS</b>
47	<b>C-OTHER-PROP</b>
48	<b>C-CURB</b>
49	<b>C-IRRIGATION</b>
50	<b>C-RECLAIMED WATER</b>
51	<b>C-TELCO</b>
52	<b>C-GRAD</b>
53	<b>C-OTHER-PROP</b>