

Data Standards for Subdivisions

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

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

BASIC FILE REQUIREMENTS

1. *Purge/Prepare drawing files prior to delivery. Multiple Phase Jobs*

Each Subdivision submittal should include **one** master or base map CAD file.

Each submittal should include a set of *surveyor approved* final plats in PDF format.

2. *Projection*

State plane coordinates (Arizona Central 202) and NAD27.

3. *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

4. *Reference Files*

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

5. *Cells*

Drop status on all shared cells.

Cell names should be consistent throughout the file.

6. *Proxies*

Explode all proxy elements.

Subdivision Level / Layer Requirements

Feature Type	Maricopa County Requirements		SRP Requirements	
	Layer #	Layer Name	Layer #	Layer Name
Subdivision boundary	1	C-BND-SUB	1	C-BND-SUB
Subdivision Boundary Bearings & Dimensions	2	C-BND-SUB-DIM	2	C-BND-SUB-DIM
Section Lines	6	C-SEC-LINE	6	C-SEC-LINE
Section Line Monuments	7	C-SEC-LINE-MON-CEL	7	C-SEC-LINE-MON-CEL
Section Corner Info	8	C-SEC-COR-TXT	8	C-SEC-COR-TXT
Parcel lines (Property lines)	10 & 11	C-PL-BND & C-PL-BND-SUB	10	C-PL-BND
Parcel lines (Property lines) bearings, distances, & curve dimensions	14	C-PL-DIM	14	C-PL-DIM
Lot numbers & Tracts	15	C-PL-LOT- NUM	15	C-PL-LOT-NUM
Street ROWs	22	C-RW	22	C-RW
Street Centerlines	23	C-RW-CL	23	C-RW-CL
Centerline Bearings & Curve Dimensions, & ROW Widths	24	C-RW-CL-DIM	24	C-RW-CL-DIM
Street Names	26	C-RW-NMS	26	C-RW-NMS
General Notes	N/A	N/A	27	C-NOTES
Canal ROW & Railroad ROW	28a & 28b	C-RW & C-RW-CAN-RR	28	C-RW-CAN-RR
Canal Centerlines & Railroad Centerlines	30a & 30b	C-RW-CAN- RR-CL	30	C-RW-CAN-RR-CL
Canal & Railroad names	31	N/A	31	C-CAN-RR-NMS
Ingress/Egress Lines/Non Dedicated ROWs	38	C-EASE- INGRESS	38	C-EASE-INGRESS
Ingress/Egress Lines/Non Dedicated Centerlines	N/A	N/A	39	C-CENTER-INGRESS
Ingress/Egress Lines/Non Dedicated Bearings & Dimensions	N/A	N/A	40	C-INGRESS-DIM
Ties to section corners	N/A	N/A	41	C-TIES
Buildings	N/A	N/A	42	C-BLDG
Water	N/A	N/A	43	C-WATER
Sewer	N/A	N/A	44	C-SEWER
Other Utilities	N/A	N/A	45	C-OTHER-UTIL
Gas	N/A	N/A	46	C-GAS



	Maricopa County Requirements	
Storm Drain	N/A	N/A
Cable TV	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	
47	C-STORM DRAIN
48	C-CABLE TV
49	C-IRRIGATION
50	C-RECLAIMED WATER
51	C-TELCO
52	C-GRAD
53	C-OTHER-PROP