



CALIFORNIA WATER SERVICE

NEW BUSINESS PROJECTS DEVELOPER CAD DRAWING REQUIREMENTS

The following information is required with CAD drawing files submitted to Cal Water along with the project application.

DRAWING FILES:

1. LATEST AUTOCAD FILES OR CIVIL 3D FILES ARE REQUIRED. DWG (or DXF file may be acceptable if no AutoCAD DWG available)
2. PLEASE INCLUDE DEVELOPMENT NAME AND DATE ON FILES.
3. A COMPLETE SET OF ALL X-REFS BINDED TOGETHER WITH A BASE
4. PDF OF ALL IMPROVEMENT PLANS (ON-SITE & OFFSITE) IS REQUIRED ON A CD/USB OR VIA ELECTRONIC TRANSFER LINK.

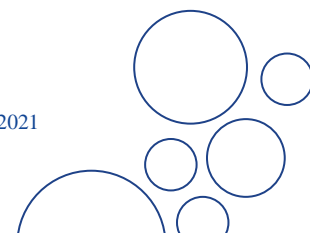
DETAILS:

1. STREET CROSS-SECTIONS WITH ALL EXISTING UTILITIES, CENTER LINE, CURB & GUTTER, WALK WAYS ETC SHOWN.
2. VICINITY MAP
3. NORTH ARROW AND SCALE
4. LEGEND/LIST OF ABBREVIATIONS
5. PROFILES (IF APPLICABLE)

LAYERS:

Please provide layers for each of the proposed improvements below. Some layers may not be applicable to every project. Please provide a different color for each different layer. If specific linetypes are being used, please include the linetype file with the drawings.

	Proposed Improvements	Included By Developer (Yes/No)?
1	CENTERLINES: road centerlines	
2	CURB	
3	GUTTER	
4	SIDEWALK	
5	EASEMENTS: Easements, Public Utility Easements (P.U.E's)	
6	LOTS: Lot lines and lot numbers	
7	RAILROADS: Railroad, light rail, etc.	



8	RIGHT-OF-WAYS (ROW): Road & street ROW, including highways and bridges	
9	STORM DRAINS: Pipelines sizes and material, SD manholes, catch basins, retention ponds, Invert levels and Final grades of all features.	
10	SANITARY SEWERS: Pipelines sizes and material, SS manholes, cleanouts, Invert levels and Final grades of all features.	
11	STREET NAMES	
12	DRY UTILITIES: Joint Trench location, other utilities (lines, facilities, power poles, etc.) such as gas, electric, telephone, TV cable, fiber optic, etc. along with sizes	
13	WATERWAYS: ditches, swales, creeks, rivers, ponds, and lakes	
14	MISCELLANEOUS: fences, trees, extent of tree canopy, buildings, building footing, street lights, etc.	

TOPO LAYER: CONTOURS, EXISTING CONDITIONS, AND ALL EXISTING UTILITIES (including water main alignment)

