

# COACHELLA VALLEY WATER DISTRICT WELL SITE CHECKLIST

Tract/Parcel No. \_\_\_\_\_ Date: \_\_\_\_\_

Project Common Name: \_\_\_\_\_

Developer: \_\_\_\_\_ Phone: \_\_\_\_\_

Engineer: \_\_\_\_\_ Phone: \_\_\_\_\_

Engineer Signature: \_\_\_\_\_ Print Name: \_\_\_\_\_

**Return signed checklist with your next submittal.**

*\*How will easements be dedicated to CVWD? Please check one of the following:*

Tract Map                       Grant of Easement (Instrument number)

Grant of Easements must be approved by CVWD right-of way division prior to Mylar approval.

**Legend:**      X = Data appears to meet standards      O = Data is missing or not to standard, see what is circled or see comments.  
                  NA = Not Applicable or not on plans  
                  ? = Not shown but maybe required

## GENERAL TO ALL SHEETS

- \_\_\_1. Drawing shall be 24 inches by 36 inches.
- \_\_\_2. Space for District drawing approval block with revisions in bottom right corner kept clear for District drawing approval block. (3"x6").
- \_\_\_3. Space shall be provided (3.5" x 2.5") for as-built signature block.
- \_\_\_4. Benchmark elevation of monument, location and datum.
- \_\_\_5. In the lower right corner of title block, include type of plans, geographic data (quarter section, section, township and range), project city, county, state, tract/parcel number and project name. Information in the title block shall match the project title that is centered on the top of the cover sheet.
- \_\_\_6. Include page number (i.e. sheet 1 of 5) in large font in lower right corner.
- \_\_\_7. Engineer's data to include name, address, phone number, FAX number and email address.
- \_\_\_8. Engineer's current/valid stamp with signature required on mylars.
- \_\_\_9. USA with phone number 811.
- \_\_\_10. Include north arrow on all plan views. North arrow should point up or to the right.
- \_\_\_11. Bar scale to match plan scale.
- \_\_\_12. Include basis of bearing, if pipeline is proposed to be constructed.
- \_\_\_13. Include elevation conversion note (if applicable) –"TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM OF 1929, SUBTRACT 500 FEET FROM ALL ELEVATIONS SHOWN ON THESE PLANS."



- \_\_\_14. Include a note on drawings stating: “No permanent structures or trees within CVWD and/or USBR easements. CVWD will not be responsible for damage or replacement of any surface improvements, including but not limited to, decorative concrete, landscaping, curb, gutter, sidewalks, planters, gates and related improvements installed within CVWD and/or USBR easements.

## COVER/TITLE SHEET

- \_\_\_1. Center the project title on top of cover page in large font listing: type of plans, geographic data (quarter section, section, township and range), project city, county, state, tract/parcel number and project name. Project title shall match the information in the title block.
- \_\_\_2. Include a vicinity map in the top left corner, showing the general area with streets labeled. Scale shall be 1 inch = 1,000 or 1 inch = 5,000 feet. Not to Scale (NTS) is also acceptable as long as it is listed. Map needs to show section lines and section numbers on all sides and adjacent tract numbers.
- \_\_\_3. Include an index map showing the overall project including all existing and proposed domestic water, sewer, irrigation and drainage systems with materials and sizes including above ground appurtenances, section numbers and APNs. Bar scale shall be between 1 inch = 200 feet and 1 inch = 500 feet. TOPO elevation lines are not permitted on drawings. Clearly label all streets in and adjacent to project.
- \_\_\_4. Provide space for General Domestic Water Notes and CVWD signature block, 8 ½ inches clear down the right side.
- \_\_\_5. Include developer’s/owner’s data to include name, address, phone number, FAX number and email address.
- \_\_\_6. List project APN.
- \_\_\_7. List sheet index in tabular form.
- \_\_\_8. List the existing or proposed pressure zone(s) serving the development.
- \_\_\_9. List utility contacts in tabular form.
- \_\_\_10. List existing reference drawings in tabular form.
- \_\_\_11. List quantities of materials with construction notes for the entire project. List items as “Furnish and Install”.
- \_\_\_12. Include the trench detail(s). Follow guidelines in Appendix N of the DDM for trench detail requirements. Provide calculations and soils report to support trench detail.
- \_\_\_13. Space for special construction notes to contractor is permissible. Plans must be exclusive for CVWD approval only for signatures.

## PLANS

- \_\_\_1. Scale is to be 1 inch = 40 feet or 1 inch = 20 feet.
- \_\_\_2. Call out all existing and proposed water main, valves, sewer main, storm drains/catch basins and appurtenances. Call out all existing wet and dry utilities in the area. Also any dry utilities that will encroach on a CVWD easement/right of way.



- \_\_\_3. Area of well site shall be a minimum of 0.5 acres or 0.75 acres with onsite retention basin.
- \_\_\_4. Provide recorded copy of grant deed.
- \_\_\_5. Identify all easements and include instrument number with CVWD easements.
- \_\_\_6. Block walls need to be six (6) to eight (8) high depending upon surroundings. Six (6) foot walls require a landscape plan.
- \_\_\_7. Gates per CVWD detail drawing W-43.
  - a. Two 8-foot gates.
  - b. One 3-foot man gate.
  - c. Use modified detail on drawing.
  - d. Gates must open completely "IN" to the well site.
- \_\_\_8. Driveway must be concrete with a minimum approach distance of twenty (20) feet long and extend five (5) feet beyond gate area into the well site.
- \_\_\_9. Domestic water stub into well site.
  - a. Connect to a minimum 12-inch domestic water line off site.
  - b. Inside well site requires a minimum of one (1) 12-inch DI tee, two (2) 12-inch gate valves, one (1) 12x4 DI reducer and one (1) 4-inch blow-off assembly. All fitting will be raised to grade with valve cans and marker posts.
  - c. Install a 24-inch steel casing per CVWD detail drawing W-40 if water line goes under wall.
- \_\_\_10. Blow-off water options:
  - a. Inlet structure per CVWD detail drawing W-41.
  - b. Onsite retention basin for 1 hour capacity at 2,000 GPM.
  - c. Check valve in vault (pressurized line).
- \_\_\_11. For offsite water discharge, the pipeline is to be depicted and identified, and where the water is discharging into needs to be stated. Example: "Construct \_\_\_" RCP blow-off/discharge drain pipe. Drain pipe leads to \_\_\_\_\_."
  - a. Add the following note to sheet: "Blow-off/Discharge drain pipe outside of well site is constructed, owned, operated and maintained by developer."
  - b. Provide offsite drainage easement and include maintenance of the basin in the CC&R's if located in a Homeowner's Association.
- \_\_\_12. Install Class 2 base a minimum of 4-inches over entire well site sloped for drainage.
- \_\_\_13. Install electrical and telephone conduits into site under wall and stubbed out.
- \_\_\_14. Show general notes including:
  - a. STATIC WATER PRESSURE = \_\_\_ psi.
  - b. Waterworks materials shall be rated for 150 psi.
  - c. Show the lowest invert (INV) elevation point of water pipeline if a domestic water stub is being constructed.
- \_\_\_15. Well site separation distance complies with Section 5, Subsection 5.6.3 Table 5.7 "Well Site Separation".



**IF CONSTRUCTING WATER MAIN**

- \_\_\_1. Must show existing CVWD domestic water stationing, elevation and drawing number to verify connection.
- \_\_\_2. New stationing should start at STA 10+00.00. Call out 100 foot stationing along new pipeline. All pipeline appurtenances including but not limited to tees, bends, valves are to be stationed and labeled with size and material.
- \_\_\_3. Typical depth of water pipeline – 12 inch diameter pipe or less is 3 feet deep.
- \_\_\_4. Include pipeline tangent data in tabular form and label lines on plan. Pipeline tangent data to include bearing and length.
- \_\_\_5. All new domestic water pipelines and fittings must be ductile iron pipe (DIP).
- \_\_\_6. Valve size shall equal the pipeline diameter.
- \_\_\_7. All Valves shall be installed perpendicular to final grade.
- \_\_\_8. All pipeline, fittings, valves and appurtenances shall have restrained joints, v-bio enhanced polyethylene encasement. Minimum pressure rating for 12” pipeline is Class 350. Zinc-coated ductile iron pipe and fittings will be required.

**PROFILE**

- \_\_\_1. Vertical scale shall be either 1 inch = 4 feet or 1 inch = 20 feet.
- \_\_\_2. Call out existing INV elevations and existing STA numbers, with existing drawing numbers at connection point.
- \_\_\_3. Include INV elevations, distances, size, material and slope of pipelines.
- \_\_\_4. Call out fitting locations with stationing. Match to plan view callouts and stationing.
- \_\_\_5. Gate valves shall be labeled with Northing and Easting.

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

