Public Utilities
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Checklist for building permits and/or public improvement plans.
(This form only covers the major checklist items. The engineer of record shall be responsible for complying with all applicable codes and regulations. The following list is general in nature with the intent to expedite the completeness review during the first plan check submittal.)

Check the following list for compliance with the following symbols:

- √ *Complies with Standards*
- *O* *Does not comply with Standards or requires additional design efforts*
- -- *Does not apply to project*

Sewer

- ☐ Drawing Index contains all sheets required for proposed project
- ☐ Sewer design narrative identifies existing and proposed flows (provided by civil engineer, or shown on plumbing calculation table)
- ☐ Sewer main(s) per Engineering Design Standards having HDPE DR17 materials
- ☐ Manholes at 400-ft spacings and with reasonable alignments
- ☐ Backwater valves per code
- ☐ Sewer lateral connect at wyes and extend into project with glued or welded joints
- ☐ Proposed sewer laterals are 10-ft clear from all trees
- ☐ Sewer inverts and slopes labeled on plans
- ☐ Sewer pipe diameter and invert shown on mechanical plans match the civil plans at the interface connection
- ☐ Public sewer mains are within public right of way
- ☐ Private sewer lateral is within the parcel boundary or have a sewer agreement to cross parcels
- ☐ Existing sewer lateral passed CCTV inspection for re-use
- ☐ Existing sewer lateral will be removed per engineering design standards
- ☐ New sewer lateral perpendicular to main, and not under a driveway
- ☐ Topographic survey shows existing sewer main size, pipe slope, pipe material, and inverts of upstream and downstream manholes
- ☐ Topographic survey stamped and signed by a licensed surveyor
- ☐ Construction centerline has bearings and offsets for proposed sewer improvements

Water

- ☐ Water design narrative identifies existing and proposed flows (provided by civil engineer, or shown on plumbing calculation table)
- ☐ Soil investigation report is listed on plans
- ☐ Site specific thrust block details per soil investigation
- ☐ Water meters per metering policy
- ☐ Water service line can support proposed water meters in accordance to Engineering Design Standards and per the design narratives prepared by the mechanical or civil engineer
- ☐ Location of water meters have reasonable alignments for maintenance, and next to curb and gutter
- ☐ RP backflow preventer(s) for domestic water meters for Industrial and Manufacturing Zones
- ☐ RP backflow preventer(s) for domestic water meters for parcels with recycled water service(s)
- ☐ RP backflow preventer(s) for fire lines to for parcels with recycled water service(s)
- ☐ Detector assembly for fire lines proposing private fire hydrants
- ☐ Fire services are not connected to domestic service lines, unless it is a single family dwelling residential unit and approved by Fire Department
- ☐ Water services don't cross parcel lines
- ☐ Meter size on mechanical plans match the civil plans
- ☐ New meter service perpendicular to main
- ☐ Topographic survey shows existing meter size, water main size and materials
- ☐ Proposed water service connection will work with existing water main size and material
- ☐ Construction centerline has bearings and offsets for proposed water main improvements
- ☐ Water main meets minimum cover
- ☐ Water meter size is not larger than service line pipe diameter
- ☐ Water main meets AWWA standards

Recycled Water

- ☐ Recycled water design narrative identifies existing and proposed flows
- ☐ Standard construction notes on plans
- ☐ Recycled Water Permit Application submitted
- ☐ MAWA and ETWU calculations shown on plans
- ☐ Non-potable signage shown on irrigation plans

- ☐ Irrigation piping meets recycled water piping standards (purple pipe)
- ☐ Recycled water main is Class 350 DIP
- ☐ Proposed water meters show design flowrates and pressures
- ☐ Construction centerline has bearings and offsets for proposed recycled water main improvements
- ☐ Piping and conduits downstream of meter meet minimum cover per Engineering Standards
- ☐ Provide irrigation window and flow rates for system using recycled water
- ☐ The irrigation system must have an temporary connection from a potable system that can be removed and replaced with recycled water after the system has been tested, commissioned, cross connection test has been completed, and all construction has been completed.

Landscape Plans

- ☐ MAWA and ETWU calculations shown on plans
- ☐ Plans match MAWA restrictions from Conditions of Approval
- ☐ Commercial landscaping larger than 1000-sf has dedicated meter
- ☐ Landscape areas larger than 500-sf meet MAWA
- ☐ Irrigation system includes a pressure regulator and backflow preventer
- ☐ Irrigation system includes a wye strainer
- ☐ Planting plans include a plant legend with Water Use Classification of Landscape Species (WUCOLS) ratings for each plant
- ☐ Plans include a hydrozone map with hydrozones delineated and labeled as low, moderate, or high water use

Solid Waste

- ☐ Plans match Solid Waste requirements listed in Conditions of Approval
- ☐ Trash letter from purveyor showing recommended container/bin size, and vehicular access requirements
- ☐ Trash container enclosure meets engineering design standards, and SB 1383
- ☐ Facilities have three bins for refuse, recycling, and organics.
- ☐ Trash container enclosure slopes towards the back of the enclosure at 1.5%
- ☐ Trash container enclosure does not drain in to sewer or storm piping systems
- ☐ Trash container enclosures account for organics
- ☐ Include signed garbage letter on the plans confirming access and clearances to trash enclosure location(s).

Demolition Plan

- ☐ Demolition plan complies with engineering design standards

- ☐ Well casings destroyed per State Bulletins
- ☐ Septic tanks destroyed per engineering design standards
- ☐ Leach-fields destroyed per engineering design standards