



JEA AS-BUILT OR RECORD DRAWING SUBMITTAL TRANSMITTAL
Water/Wastewater/Reclaimed Water/Chilled Water pipelines and Pump Stations

To:
From:
Phone: E-mail:
Company Name:
Company Address:
Date of Submittal:
Signature of Submitter
Verifying Compliance:

Project Name:
Project Type:
Project Purpose:
JEA Availability Number:
JEA Project Manager:

Engineering Firm:
Engineering Contact:
Engineers Phone:
Engineers E-mail:

Contracting Co.:
Contractor Contact:
Contractor Phone:
Contractor E-Mail:

Surveying Co.:
Surveyor Contact:
Surveyors Phone:
Surveyors E-mail:
JEA O&M representative:

- Attached:
Water As-Builts - Paper Copy & Electronic, Water Data Tables Electronic
Wastewater As-Builts - Paper Copy & Electronic, Wastewater Data Tables Electronic
Reclaimed Water As-Builts - Paper Copy & Electronic, Reclaimed Data Tables Electronic
Chilled Water As-Builts - Paper Copy & Electronic, Water Data Tables Electronic
As-Built Submittal Checklist filled out by Engineer, Contractor or Surveyor
As-Built Submittal Checklist filled out by JEA Project Manager

**JEA AS-BUILT SUBMITTAL REQUIREMENTS CHECK LIST**

Per JEA Water and Wastewater Standards Manual Section 501

Initial next to each requirement verifying compliance

**GENERAL**

- \_\_\_\_\_ Separate As-Builts for water, wastewater, reclaimed water and chilled water
- \_\_\_\_\_ On each page of as-built, certification filled out, signed, sealed and dated by surveyor/mapper
- \_\_\_\_\_ On each page of as-built, certification filled out, signed and dated by contractor
- \_\_\_\_\_ Old lines not built as per design deleted and redrawn as constructed
- \_\_\_\_\_ "AS-BUILT" labeled in 1" letters on each sheet
- \_\_\_\_\_ Sheets are 24" x 36" in size
- \_\_\_\_\_ Includes all changes by Addendum or Change Order (SWA: Supplemental Work Allowance)
- \_\_\_\_\_ Includes datum & reference to state plane coordinates (Florida East Zone NAD 83, NAVD 88)
- \_\_\_\_\_ Vicinity map on cover page
- \_\_\_\_\_ Street names on all streets
- \_\_\_\_\_ JEA easements labeled as such, including RE number and Official Records Book and Page (OR #).
- \_\_\_\_\_ Title page and each page includes JEA Availability Number and/or JEA Oracle Project Numbers
- \_\_\_\_\_ Date of utility installation on each page
- \_\_\_\_\_ **Ownership transition point between JEA and Private system shall be clearly designated on the as-built drawing.**

**POTABLE WATER SYSTEMS****WATER MAINS**

Elevations on the main and finished grade shown at:

- Points of connection to the existing system
- Points of crossing over or under wastewater mains or storm drains
- At maximum of 100 ft. intervals
- Where less than 30 inches or greater than 48 inches of cover is provided

Table with the following data for each fitting:

- Fitting number
- Fitting type
- Fitting Size
- Northing Latitude
- Easting Longitude
- Pipe Elevation at Fitting
- Final Grade at Fitting
- Cover at fitting

Each water main section between fittings/valves is shown with pipe size, pipe material and pipe pressure class called out with a leader line pointing to the applicable main

Pipe size and type indicated on service lateral piping

Location of meter boxes and lateral end points indicated and referenced to property lines

Beginning and end points of HDD (horizontal directional drills) located by professional surveyor

HDD bore log included showing:

- Bore in plan and profile view on 24" x 36" sheets with Cadd & PDF file attached
- Certified by HDD contractor
- Horizontal and vertical location data at 25 ft. intervals (max)

**WATER VALVES**

Table included with data for each valve:

- Valve number
- Valve Size
- Valve Type
- Valve Manufacturer
- Valve number of turns required to open the valve
- Valve Depth to Nut
- Valve Open Direction (left/right)

**WATER HYDRANTS**

Table included with data for each hydrant:

- Hydrant number
- Hydrant manufacturer
- Hydrant year of manufacture
- Hydrant year of installation

**LOCATE WIRE BOX**

Table included with data for each locate wire box:

- Box number
- Latitude/Longitude

**WASTEWATER SYSTEMS****GRAVITY WASTEWATER MAINS**

Elevations on the main and finished grade shown at:

- Points of connection to the existing system
- Points of crossing over or under water mains

Vertical separation called out at crossings of water mains

Plan and profile drawings provided showing pipe and manholes

Table with the following data for each fitting:

- Fitting number
- Fitting type
- Fitting Size
- Northing Latitude
- Easting Longitude
- Pipe Elevation at Fitting
- Final Grade at Fitting
- Cover at fitting

Each gravity wastewater main section between manholes is shown with pipe size, pipe material, pipe pressure class and slope called out with a leader line pointing to the applicable main.

Pipe type and size and finished grade elevations on service lateral piping shown at the property line if those cover more than 60 inches or less than 30 inches of cover

The location of the plug end of the lateral located from the side property line or by station and offset.

**MANHOLES & CLEANOUTS**

\_\_\_\_\_ Elevations of Manholes Inverts shown for all manholes

\_\_\_\_\_ Manholes and cleanouts labeled with number at manhole/cleanout

\_\_\_\_\_ Elevations of North Rim of top of manhole covers shown

\_\_\_\_\_ Table with the following data for each manhole:

- Manhole number
- Manhole type (i.e. Type "A", "B", Etc.)
- Manhole Lining Material
- Northing Latitude
- Easting Longitude
- Manhole exterior joint sealing material
- Manhole manufacturer

**FORCE MAINS**

\_\_\_\_\_ Elevations on the main and finished grade shown at:

- Points of connection to the existing system
- Points of crossing over or under water mains
- At maximum of 100 ft. intervals
- Where less than 30 inches or greater than 48 inches of cover is provided.

\_\_\_\_\_ Table with the following data shown for each fitting:

- Fitting number
- Fitting type
- Fitting Size
- Northing Latitude
- Easting Longitude
- Pipe Elevation at Fitting
- Final Grade at Fitting
- Cover at fitting

\_\_\_\_\_ Each force main section between fittings/valves is shown with pipe size, pipe material and pipe pressure class called out with a leader line pointing to the applicable main

\_\_\_\_\_ Beginning and end points of HDD (horizontal directional drills) located by professional surveyor

\_\_\_\_\_ HDD bore log included showing:

- Bore in plan and profile view on 24" x 36" sheets with Cadd & PDF file attached
- Certified by HDD contractor
- Horizontal and vertical location data at 25 ft. intervals (max)

**LOCATE WIRE BOX**

\_\_\_\_\_ Table included with data for each locate wire box:

- Box number
- Latitude/Longitude

**PUMPING STATIONS**

\_\_\_\_\_ Wet well size and location indicated & located relative to property lines and R/W lines

\_\_\_\_\_ All utilities within the pump station site located relative to property lines

\_\_\_\_\_ Elevations indicated at:

- Inverts
- Wetwell Top (rim elevation)
- Ground adjacent to wetwell

\_\_\_\_\_ All materials and sizes of lines and fittings indicated on drawings

\_\_\_\_\_ All buried electrical conduit labeled and located including electrical service from utility transformer to station meter and to control panel

\_\_\_\_\_ If pump station is privately owned, a note included on the drawing identifying the owner's name, address and phone number for future coordination tasks and emergency events

\_\_\_\_\_ MCC Panel chart filled out

\_\_\_\_\_ Schedule of elevation chart filled out entirely

\_\_\_\_\_ Station physical address indicated

**RECLAIMED WATER SYSTEMS**

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**RECLAIMED WATER MAINS**

\_\_\_\_\_ Elevations on the main and finished grade shown at:

- Points of connection to the existing system
- Points of crossing over or under water mains
- At maximum of 100 ft. intervals
- Where less than 30 inches or greater than 48 inches of cover is provided

\_\_\_\_\_ Table with the following data for each fitting:

- Fitting number
- Fitting type
- Fitting Size
- Northing Latitude
- Easting Longitude
- Pipe Elevation at Fitting
- Final Grade at Fitting
- Cover at fitting

\_\_\_\_\_ Each reclaimed water main section between fittings/valves is shown with pipe size, pipe material and pipe pressure class called out with a leader line pointing to the applicable main

\_\_\_\_\_ Pipe size and type indicated on service lateral piping

\_\_\_\_\_ Location of meter boxes and lateral end points indicated and referenced to property lines

\_\_\_\_\_ Beginning and end points of HDD (horizontal directional drills) located by professional surveyor

\_\_\_\_\_ HDD bore log included showing:

- Bore in plan and profile view on 24" x 36" sheets with Cadd & PDF file attached
- Certified by HDD contractor
- Horizontal and vertical location data at 25 ft. intervals (max)

**RECLAIMED WATER VALVES**

\_\_\_\_\_ Table included with data for each valve:

- Valve number
- Valve Size
- Valve Type
- Valve Manufacturer
- Valve number of turns required to open the valve
- Valve Depth to Nut
- Valve Open Direction (left/right)

**RECLAIMED WATER HYDRANTS**

\_\_\_\_\_ Table included with data for each hydrant:

- Hydrant number
- Hydrant manufacturer
- Hydrant year of manufacture
- Hydrant year of installation

**LOCATE WIRE BOX**

\_\_\_\_\_ Table included with data for each locate wire box:

- Box number
- Latitude/Longitude

**CHILLED WATER SYSTEMS**

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**CHILLED WATER**

\_\_\_\_\_ Elevations on the main and finished grade shown at:

- Points of connection to the existing system
- Points of crossing over or under water mains
- At maximum of 100 ft. intervals
- Where less than 30 inches or greater than 48 inches of cover is provided

\_\_\_\_\_ Vertical separation called out at crossings of water mains

\_\_\_\_\_ Table with the following data for each fitting:

- Fitting number
- Fitting type
- Fitting Size
- Northing Latitude
- Easting Longitude
- Pipe Elevation at Fitting
- Final Grade at Fitting
- Cover at fitting

\_\_\_\_\_ Each chilled water main section between fittings/valves is shown with pipe size, pipe material and pipe pressure class called out with a leader line pointing to the applicable main

\_\_\_\_\_ Each pipe labeled as to supply water or return water

\_\_\_\_\_ Pipe size and type indicated on service lateral piping

\_\_\_\_\_ Location of lateral end points indicated and referenced to property lines

\_\_\_\_\_ Beginning and end points of HDD (horizontal directional drills) located by professional surveyor

\_\_\_\_\_ HDD bore log included showing:

- Bore in plan and profile view on 24" x 36" sheets with Cadd & PDF file attached
- Certified by HDD contractor
- Horizontal and vertical location data at 25 ft. intervals (max)

**CHILLED WATER VALVES**

\_\_\_\_\_ Table included with data for each valve:

- Valve number
- Valve Size
- Valve Type
- Valve Manufacturer
- Valve number of turns required to open the valve
- Valve Open Direction (left/right)

**LOCATE WIRE BOX**

\_\_\_\_\_ Table included with data for each locate wire box:

- Box number
- Latitude/Longitude

**STORM DRAIN SYSTEMS****STORM DRAIN**

\_\_\_\_\_ Runs of storm wastewaters identified with size, material and slope (i.e., 300' of 15" RCP at S=.004)

\_\_\_\_\_ Elevations given for the north rim of the top of all manhole covers and inlets and catch basins and all manhole, inlet catch basin inverts

\_\_\_\_\_ All storm drain manholes, inlets and catch basin types identified