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: (Check all that apply) ☐ New Development ☐ Treatment Plant ☐ JEA Installed ☐ JEA Contractor

Project Purpose ☐ Main Extension ☐ Main Replacement ☐ Main Relocation ☐ Plant Project

JEA Availability Number: JEA Capital Project Number:

JEA Project Manager: JEA PM e-mail:

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

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

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)

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

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

CHILLED WATER SYSTEMS

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 Depth to Nut
- Valve Open Direction (left/right)

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 and catch basin inverts

_____ All storm drain manholes, inlets and catch basin types identified