FOR PEAK FLOWS BETWEEN 0 TO 440 GPM
STANDARD CLASS ONE PUMP STATION SITE PLAN
SCALE: 1"=10'
FLANGED CONNECTION
10"
+ 0.5'

NOT TO SCALE

FOR PEAK FLOWS BETWEEN 0 TO 440 GPM

BOTTOM OF TRANSDUCER TO BE 12" ABOVE C/L OF LB/SQ FT. (SEE NOTE #11)

COMPONENTS, INCLUDING ELECTRICAL.

BOTTOM SLAB BASE SHALL CAST INTEGRALLY WITH AS METER CAN AND ELECTRICAL PANELS.

STEEL DESIGN TO BE SIGNED BY A FLORIDA CONCRETE, POLYMER AND REINFORCING CONTRACTOR MUST KEEP COMPANY SIGN AND PHONE NUMBER ON

SPECIFICATIONS. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL DETAILS SHOWN ON DETAIL SHEET.

SEAL AROUND CONCRETE TOP WITH NON-SHRINK GROUT. IN THE FUTURE, THIS PIPE WILL BE UTILIZED PROVIDE 2" PIPE (PVC, SCH. 80) THROUGH CONCRETE TOP WITH CAPPED TOP AD OPEN END BOTTOM.

2" MIN. 60° PREFERRED

5.  THE PUMP STATION TOP ELEVATION SHALL BE SET AT A MINIMUM OF 1' ABOVE THE "R" ELEVATION. THE

MINIMUM CONCRETE PAD SIZE:

PLANTS FROM DATE OF ACCEPTANCE.

6. THE RADIO PATH STUDY MUST BE DONE USING THE SAME TYPE OF RADIO USED IN THE SCADA PANEL

OF FITTINGS

ATTACHMENTS FOR RESTRAINT

7. MAINTENANCE OF EXISTING FLOW METER (NO FITTINGS OR BENDS PREFERRED SLOPE)

LOCATE ON SAME SIDE OF DRIVEWAY AS PUMP-OUT CONNECTION.

8. WET WELL P.S. = 5' I.D. (MIN)

316 S.S. PIPE. PIPE MUST BE ONE PIECE

STAINLESS STEEL AND SHALL BE COATED WITH A "NEVER SEIZE" TYPE COATING.

9.   THE PUMP STATION TOP ELEVATION SHALL BE SET AT A MINIMUM OF 1' ABOVE THE "R" ELEVATION. THE

ADJACENT CONCRETE STRUCTURE (PUMP STATION SLAB, DRIVE WAY OR CURB).

10. 2" MIN.

THE PUMP STATION TOP ELEVATION SHALL BE SET AT A MINIMUM OF 1' ABOVE THE "R" ELEVATION. THE

MINIMUM CONCRETE PAD SIZE:

PLANTS FROM DATE OF ACCEPTANCE.

6. THE RADIO PATH STUDY MUST BE DONE USING THE SAME TYPE OF RADIO USED IN THE SCADA PANEL

OF FITTINGS

ATTACHMENTS FOR RESTRAINT

7. MAINTENANCE OF EXISTING FLOW METER (NO FITTINGS OR BENDS PREFERRED SLOPE)

LOCATE ON SAME SIDE OF DRIVEWAY AS PUMP-OUT CONNECTION.

8. WET WELL P.S. = 5' I.D. (MIN)

316 S.S. PIPE. PIPE MUST BE ONE PIECE

STAINLESS STEEL AND SHALL BE COATED WITH A "NEVER SEIZE" TYPE COATING.

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ADJACENT CONCRETE STRUCTURE (PUMP STATION SLAB, DRIVE WAY OR CURB).

10. 2" MIN.

THE PUMP STATION TOP ELEVATION SHALL BE SET AT A MINIMUM OF 1' ABOVE THE "R" ELEVATION. THE

MINIMUM CONCRETE PAD SIZE:

PLANTS FROM DATE OF ACCEPTANCE.
FOR PEAK FLOWS BETWEEN 0 TO 440 GPM

STANDARD CLASS ONE PUMP STATION SITE PLAN W/GENERATOR

SCALE: 1"=10'

- PROVIDE 6" THICK CONCRETE SLAB W/ EXPANSION JOINTS
- THICKEN CONCRETE EDGE
- PROPERTY LINE
- SITE LIGHT - SEE PUMP STATION DETAILS SHEET
- ANTENNA POLE - SEE PUMP STATION RTU DETAILS
- COMBINED MOTOR CONTROL CENTER & RTU PANEL
- POWER DISTRIBUTION PANEL
- GENERATOR AUTOMATIC TRANSFER SWITCH
- ELECTRIC METER CAN
- PANELS SHALL BE NEMA 4X S.S. ENCLOSURE, SEE ELECTRICAL STANDARD
  DETAIL SHEETS
- PROVIDE 6" THICK CONCRETE TEST STATION
- POTABLE WATER GRID TEST STATION
- POTABLE WATER SERVICE - SEE JEA STANDARD WATER & SEWER CONSTRUCTION DETAILS
- 1-1/2" WATER SERVICE - SEE JEA STANDARD WATER & SEWER CONSTRUCTION DETAILS
- 40' (MIN) HOSE STATION
- 10' EASEMENT
- 6" PIPE BOLLARDS
- 3' CLEARANCE SPACE
- REVERSE OSMOSIS WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)
- 5' PRIVATE IRRIGATION WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)
- 40' (MIN)
- 10' EASEMENT
- 6" PIPE BOLLARDS
- 3' CLEARANCE SPACE
- REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER
  CONCRETE SLAB SHALL BE STAINLESS STEEL.
- 30" (MIN) DISCHARGE FORCE MAIN VALVE W/ B&C
- 2' MIN
- GENERATOR REMOTE E-STOP SWITCH IN NEMA 4X S.S. ENCLOSURE, SEE ELECTRICAL STANDARD
  DETAIL SHEETS
- INFLUENT GRAVITY
- JUNCTION MANHOLE
- PROVIDE 6" THICK CONCRETE SLAB W/ EXPANSION JOINTS
- PANELS SHALL BE NEMA 4X S.S. ENCLOSURE. SEE ELECTRICAL STANDARD DETAIL SHEETS
- DISCHARGE FORCE MAIN
- POWER DISTRIBUTION PANEL
- GENERATOR AUTOMATIC TRANSFER SWITCH
- ELECTRIC METER CAN
- PANELS SHALL BE NEMA 4X S.S. ENCLOSURE, SEE ELECTRICAL STANDARD DETAIL SHEETS
- GENERATOR REMOTE E-STOP SWITCH IN NEMA 4X S.S. ENCLOSURE, MOUNTED SAME AS ELECTRIC METER
  ON STAND FOR UNDERGROUND SERVICE. (NEC REQUIRED)

JEA STANDARD
CLASS ONE PUMP STATION W/GENERATOR
PLAN AND SECTION

LLOYD HENRY
9/25/2018
UPDATED ELECTRICAL PANEL
SITE SPECIFIC
FOR PEAK FLOWS BETWEEN 0 TO 440 GPM
STANDARD CLASS ONE PUMP STATION SITE PLAN W/ PONY PUMP

SCALE: 1"=10'
STANDARD CLASS TWO PUMP STATION SITE PLAN W/PONY PUMP

FOR PEAK FLOWS BETWEEN 441 AND 1000 GPM

SCALE: 1"=10'

PROPERTY LINE AT EDGE OF CONCRETE

6" THICK 3000 PSI CONCRETE
DRIVEWAY (TYP.) EXPANSION JOINTS
REQUIRED ADJACENT TO PAVING,
CURB, DRIVEWAY APRONS,
STRUCTURES & PADS, EVERY 18 FEET
AT A MINIMUM.

RIGHT-OF-WAY
5' MIN
18' MIN.

JUNCTION MANHOLE
10' EASEMENT

4" PVC GRAVITY DRAIN TO WET WELL (SEE STANDARD DETAIL SHEET)

4" PVC GRAVITY DRAIN TO WET WELL (SEE STANDARD DETAIL SHEET)

4" PVC GRAVITY DRAIN TO WET WELL (SEE STANDARD DETAIL SHEET)

FUTURE ODOR CONTROL (SEE STANDARD DETAIL SHEET)

WATER SUPPLY FOR ODOR CONTROL

AIR RELEASE VALVE

VALVE W/ B&C

DISCHARGE FORCE MAIN

PRIVATE IRRIGATION WATER SERVICE IF REQUIRED
(SIZED BY ENGINEER)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PONY PUMP
W/BELLY TANK
FOOTPRINT MAY VERY

SITE SPECIFIC

JEA STANDARD
CLASS TWO PUMP STATION WITH PONY PUMP
PLAN AND SECTION BY EXCEPTION ONLY

LLOYD HENRY
9/25/2018
UPDATED ELECTRICAL PANEL

FOR PEAK FLOWS BETWEEN 441 AND 1000 GPM

STANDARD CLASS TWO PUMP STATION SITE PLAN W/PONY PUMP

SCALE: 1"=10'
FOR PEAK FLOWS BETWEEN 1001 AND 2000 GPM

CLASS THREE PUMP STATION SITE PLAN

SCALE: 1"=15'

1. PROVIDE 6" THICK CONCRETE SLAB W/ EXPANSION JOINTS
2. ULTRASONIC FLOW METER (MIN. 300 FEET OF SUBMERSIBLE TUBES)
3. AND RELEASE VALVE
4. REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PROPERTY LINE AT EDGE OF CONCRETE

INFLUENT

WET WELL

ODOR CONTROL (SEE STANDARD DETAIL SHEET)

40'x20'

GENERATOR REMOTE E-STOP SWITCH IN NEMA 4X SS ENCLOSURE. SEE ELECTRICAL STANDARD DETAIL SHEETS.

POWER DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

ELECTRIC METER PANEL

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PRIVATE IRRIGATION WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

POWER DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

ELECTRIC METER PANEL

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PRIVATE IRRIGATION WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

POWER DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

ELECTRIC METER PANEL

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PRIVATE IRRIGATION WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

POWER DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

ELECTRIC METER PANEL

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PRIVATE IRRIGATION WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

POWER DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

ELECTRIC METER PANEL

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

PRIVATE IRRIGATION WATER SERVICE IF REQUIRED (SIZED BY ENGINEER)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.

POWER DISTRIBUTION PANEL

MANUAL TRANSFER SWITCH

ELECTRIC METER PANEL

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY. ALL ABOVE GROUND PIPING AND UNDER CONCRETE SLAB SHALL BE STAINLESS STEEL.
1. APPROVED PLANTING LOCATIONS SHALL BE STAKED OR FLAGGED BEFORE INSTALLATION BY APPROVED CLUSTER NON-SHADE TREES, (PER CITY OF JACKSONVILLE LANDSCAPE ARCHITECT).  ALL PROPOSED TREE PLANTING LOCATIONS SHALL BE STAKED OR FLAGGED BEFORE INSTALLATION BY JEA OR JEA'S REPRESENTATIVE.

2. ALL PLANTS MUST BE CONTAINER GROWN OR AS INDICATED IN THE PLANT LIST.  ALL PLANTS SHALL CONFORM TO THE VARIETIES INDICATED IN THE PLANT LIST.

3. PLANTS SHALL BE SOILED, HEALTHY AND LEAFY.  THEY SHALL BE FREE FROM PHYSICAL DAMAGE OR ADVERSE CONDITIONS THAT WOULD IMPAIR THEIR HEALTH.  THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, IN LEAF.  THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, IN LEAF.

4. PROPER DRAINAGE SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER FOR CORRECTION OR RELIEF OF SAID RESPONSIBILITY.

5. JEA WILL ALLOW IRIGATION WITHIN THE 10' EASEMENT WITH THE UNDERSTANDING THAT SUCH IRIGATION WILL NOT BE PERMITTED WITHIN THE 15' EASEMENT.

6. ALL PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

7. PLANTS SHALT BE CURED, HEALTHY AND LEAFY.  THEY SHALL BE FREE FROM PHYSICAL DAMAGE OR ADVERSE CONDITIONS THAT WOULD IMPAIR THEIR HEALTH.  THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, IN LEAF.  THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, IN LEAF.

8. PLANTS SHALL BE SOILED, HEALTHY AND LEAFY.  THEY SHALL BE FREE FROM PHYSICAL DAMAGE OR ADVERSE CONDITIONS THAT WOULD IMPAIR THEIR HEALTH.  THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, IN LEAF.  THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEALTHY, IN LEAF.

9. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

10. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

11. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

12. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

13. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

14. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

15. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

16. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

17. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

18. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

19. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

20. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

21. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.

22. PLANTS SHALL BE FLOODED UNDER NO. 1 OR BETTER QUALITY GRADES IN ACCORDANCE WITH JEA'S SPECIFICATIONS.  PLANTS SHALL BE CUT OR TRIMMED AS NEEDED TO MIP THE PHOTOGRAPHIC SPECIFICATIONS OF THE PLANT MATERIAL.