FOR PEAK FLOWS BETWEEN 0 TO 440 GPM

STANDARD CLASS ONE PUMP STATION SITE PLAN

SCALE: 1"=10'
FOR PEAK FLOWS BETWEEN 0 TO 440 GPM

STANDARD CLASS ONE PUMP STATION SITE PLAN W/GENERATOR

SCALE: 1"=10'
FOR PEAK FLOWS BETWEEN 0 TO 440 GPM

STANDARD CLASS ONE PUMP STATION SITE PLAN W/ PONY PUMP

SCALE: 1"=10'
FREE STANDING PUMP OUT FOR PIPE SIZES GREATER THAN 6" REQUIRED (SEE NOTE #11).

SUBMERSIBLE SEWAGE PUMPS

1" MINIMUM LEVELING COURSE

BOTTOM SLAB BASE SHALL CAST INTEGRALLY WITH SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCTION DETAILS OF SPECIFIC COMPONENTS, DRAWINGS. SPECIFICATIONS. (HTTPS://WWW.JEA.COM/ENGINEERING_AND_CONSTRUCTION/FACILITIES/)

8'-0"...+&5*#..76+.+<'56#2.'#55'/$.;(14.1%-+0)6*'9'6

(57 STONE)

BASS EXTENDER (12" MIN FOR 9...)

SIZED FOR FUTURE PUMPS IF APPLICABLE.

DUCTILE IRON ALL FITTINGS (90s, 45s, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL BE FLANGED CONNECTION IF D.I.P. INCLUDING RESTRAINING RESTRAINTS (TYP)

ALL WORK SHALL COMPLY WITH SPECIFICATIONS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS" IN JEA DATA IF AVAILABLE.

IT IS THE ENGINEER'S RESPONSIBILITY TO DESIGN THE SITE TO MEET FUNCTIONALITY AND SITE TIME, MINIMUM STORAGE DEPTH SHALL BE 24".

ALL NUTS, BOLTS AND ACCESSORIES WITHIN AND EXTERNAL OF THE WET WELL SHALL BE 316 STAINLESS STEEL MATERIAL. .

HOW TO DETERMINE TOWER OR POLE FOR SCADA (SEE ALSO SPEC SECTION 433):

1. IT IS THE ENGINEER’S RESPONSIBILITY TO DESIGN THE SITE TO MEET FUNCTIONALITY AND SITE LOCATION UP TO A MAXIMUM OF 25' BELOW WET WELL BOTTOM.

2. F - 0.5' PUMP OFF LEAD PUMP STATION INFORMATION

3. 2.5" IP CONNECTION TO PRECAST CONCRETE (OR PRECAST POLYMER) WITH POLYMER CONCRETE FLOATATION COLLARS

4. CB #1 TO PUMP NO. 1

5. CB #2 TO PUMP NO. 2

6. SEAT END ON CHECK VALVE SIDE

7. REINFORCING TO BE CERTIFIED BY A FLORIDA OTHERWISE NOTED. CONCRETE, POLYMER & PS CONCRETE (OR PRECAST POLYMER) WITH STRUCTURE (LBS)

8. TOTAL WET WELL

9. MIN BASE

10. MIN WEIGHT OF

11. MINIMUM FLOW RATE:

12. THREE-WIRE, 200 AMP., 3 PHASE, 4 WIRE

13. 480 VOLT, 3 PHASE, FULL VOLTAGE MOTOR

14. MOTOR STARTING, 15 STARTS PER HOUR

15. MOTOR STARTING, 15 STARTS PER HOUR

16. 240 VOLT, 200 AMP., 3 PHASE, 4 WIRE

17. STARTING, 10 STARTS PER HOUR

18. STARTING, 15 STARTS PER HOUR

19. FLYGT

20. FLANGE ON TOP TEE (FLANGED)

21. FLANGED CHECK VALVE (LEVER & WEIGHT)

22. PUMPOUT MALE CAMLOCK w/CAP (316 S.S.)

23. PUMPOUT MALE CAMLOCK w/CAP (S.S.)

24. REDUCER

25. SOCKET (N)

26. F - 0.5' PUMP OFF LEAD PUMP STATION INFORMATION

27. SEAT END ON CHECK VALVE SIDE
FOR PEAK FLOWS BETWEEN 441 AND 1000 GPM

STANDARD CLASS TWO PUMP STATION SITE PLAN W/GENERATOR

SCALE: 1"=10'

1.5' POWER DISTRIBUTION PANEL
GENERATOR AUTOMATIC TRANSFER SWITCH
ELECTRIC METER CAN
PANELS SHALL BE NEMA 6, S.S. ENCLOSURE, SEE STANDARD DETAIL SHEETS

PROPERTY LINE AT EDGE OF CONCRETE

FUTURE ODOR CONTROL (SEE STANDARD DETAIL SHEET) 25'x15'

GENERATOR REMOTE E-STOP SWITCH W/ BELLY TANK MOUNTED SAME AS ELECTRIC METER ON STAND FOR (UNDERGROUND SERVICE, NEC REQUIRED)

1.5' ULTRASONIC FLOW METER (MAG METER WILL REQUIRE BYPASS SEE MAG METER DETAIL SHEET)
FLOW METER PANEL (ONLY REQUIRED FOR ULTRASONIC FLOW METER)

6" THICK 3000 PSI CONCRETE DRIVEWAY (TYP.) EXPANSION JOINTS REQUIRED ADJACENT TO PAVING, CURB, Driveway Aprons, Structures & Pads, EVERY 18 FEET AT A MINIMUM.

PROPERTY LINE DEMARCATION BOX SEE NOTE #3 & DETAIL

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 4, S.S. ENCLOSURE, SEE STANDARD DETAIL SHEETS

INFLUENT GRAVITY
JUNCTION MANHOLE

5' MIN 12' MIN.
10.1' EASEMENT
6" PIPE BOLLARDS
6" PVC GRAVITY DRAIN TO WET WELL
4" PVC GRAVITY DRAIN TO WET WELL (SEE STANDARD DETAIL SHEET)

12' PVC SCH 40 VALVE W/ B&C
1-1/2" WATER SERVICE - SEE JEA STANDARD WATER & SEWER CONSTRUCTION DETAILS
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.

6" THICK 3000 PSI CONCRETE SLAB IN EXPANSION JOINTS

WATER SUPPLY FOR ODOR CONTROL

1.5' VACUUM PIPING
4" PVC GRAVITY DRAIN TO WET WELL

FOR PEAK FLOWS BETWEEN 441 AND 1000 GPM

STANDARD CLASS TWO PUMP STATION SITE PLAN W/GENERATOR

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

CLASS THREE PUMP STATION W/ SOLIDS REMOVAL SITE PLAN

SCALE: 1"=15'

0 5 10

SCALE IN FEET
FOR PEAK FLOWS GREATER THAN 2000 GPM

CLASS FOUR PUMP STATION W/ SOLIDS REMOVAL SITE PLAN

SCALE: 1"=15'
LANDSCAPE NOTES:

2. A 1 5/8" PVC COATED GALVANIZED STEEL PIPE, TO BE PROVIDED AT JEA PUMPING STATIONS. TREES TO BE PLANTED AT WIDE OPENING OF THE SECURITY FENCE.

3. ALL PLANTS MUST BE IN OPERATIONAL CONDITION AS INDICATED IN THE PLANT LIST.

4. ALL PLANTS SHALL COMPARE TO THE PLANTS BILLED IN THE PLANT LIST.

5. ALL PLANTS SHALL BE EVERGREEN. A ROW OF EVERGREEN SHRUBS SHALL BE PLANTED ALONG THE STREET FRONTAGE. THE SHRUBS SHALL BE A MINIMUM OF 5' AT THE STREET FRONTAGE AND A MINIMUM OF 10' ON ALL OTHER SIDES AND SUBJECT TO CODE 656.12.11) TO BE PROVIDED AT JEA PUMPING STATIONS. TREES TO BE PLANTED AT WIDE OPENING OF THE SECURITY FENCE.

6. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT SPECIFICATIONS AND ALL THE NECESSARY ACCESSORIES THAT ARE INCLUDED IN THE PLANTING SPECIFICATIONS.

7. ALL PLANTS MATERIAL SHOULD BE PLANTED MINIMUM 1/4" WITHOUT BURIAL OR GROWTH IN ACCORDANCE WITH THE PLANT SPECIFICATIONS. THE SPECIFICATIONS APPLICABLE TO THE PLANTING MATERIAL.

8. PLANTS SHALL BE SOILY WORTHY AND NOT GROWING IN THE PLANT SPECIFICATIONS. THE SPECIFICATIONS APPLICABLE TO THE PLANTING MATERIAL.

9. ALL PLANTS SHALL BE EVERGREEN. A ROW OF EVERGREEN SHRUBS SHALL BE PLANTED ALONG THE STREET FRONTAGE. THE SHRUBS SHALL BE A MINIMUM OF 5' AT THE STREET FRONTAGE AND A MINIMUM OF 10' ON ALL OTHER SIDES AND SUBJECT TO CODE 656.12.11) TO BE PROVIDED AT JEA PUMPING STATIONS. TREES TO BE PLANTED AT WIDE OPENING OF THE SECURITY FENCE.

10. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT SPECIFICATIONS AND ALL THE NECESSARY ACCESSORIES THAT ARE INCLUDED IN THE PLANTING SPECIFICATIONS.

11. ALL PLANTS MATERIAL SHOULD BE PLANTED MINIMUM 1/4" WITHOUT BURIAL OR GROWTH IN ACCORDANCE WITH THE PLANT SPECIFICATIONS. THE SPECIFICATIONS APPLICABLE TO THE PLANTING MATERIAL.

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16. PLANTS SHALL BE SOILY WORTHY AND NOT GROWING IN THE PLANT SPECIFICATIONS. THE SPECIFICATIONS APPLICABLE TO THE PLANTING MATERIAL.

17. LANDSCAPE CONTRACTOR SHALL PROVIDE THE TREE PLANTING MATERIAL AS REQUIRED BY THE CITY OF JACKSONVILLE Tree Planting Specifications.

18. LANDSCAPE CONTRACTOR SHALL PROVIDE A TECHNICAL MANUAL TO BE PROVIDED AT JEA PUMPING STATIONS. TREES TO BE PLANTED AT WIDE OPENING OF THE SECURITY FENCE.

19. ALL PLANTS MATERIAL SHOULD BE PLANTED MINIMUM 1/4" WITHOUT BURIAL OR GROWTH IN ACCORDANCE WITH THE PLANT SPECIFICATIONS. THE SPECIFICATIONS APPLICABLE TO THE PLANTING MATERIAL.

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21. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT SPECIFICATIONS AND ALL THE NECESSARY ACCESSORIES THAT ARE INCLUDED IN THE PLANTING SPECIFICATIONS.

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35. PLANTS SHALL BE SOILY WORTHY AND NOT GROWING IN THE PLANT SPECIFICATIONS. THE SPECIFICATIONS APPLICABLE TO THE PLANTING MATERIAL.