

# ENVIROSERVER - ES SERIES ES12

DESCRIPTION:

PRIMARY AND SECONDARY WASTEWATER TREATMENT DEVICE USING BOTH FIXED FILM AND SUSPENDED GROWTH WITH MULTI-STAGE AEROBIC PROCESS. TANK CAPACITIES LISTED ARE FOR STANDARD UNITS

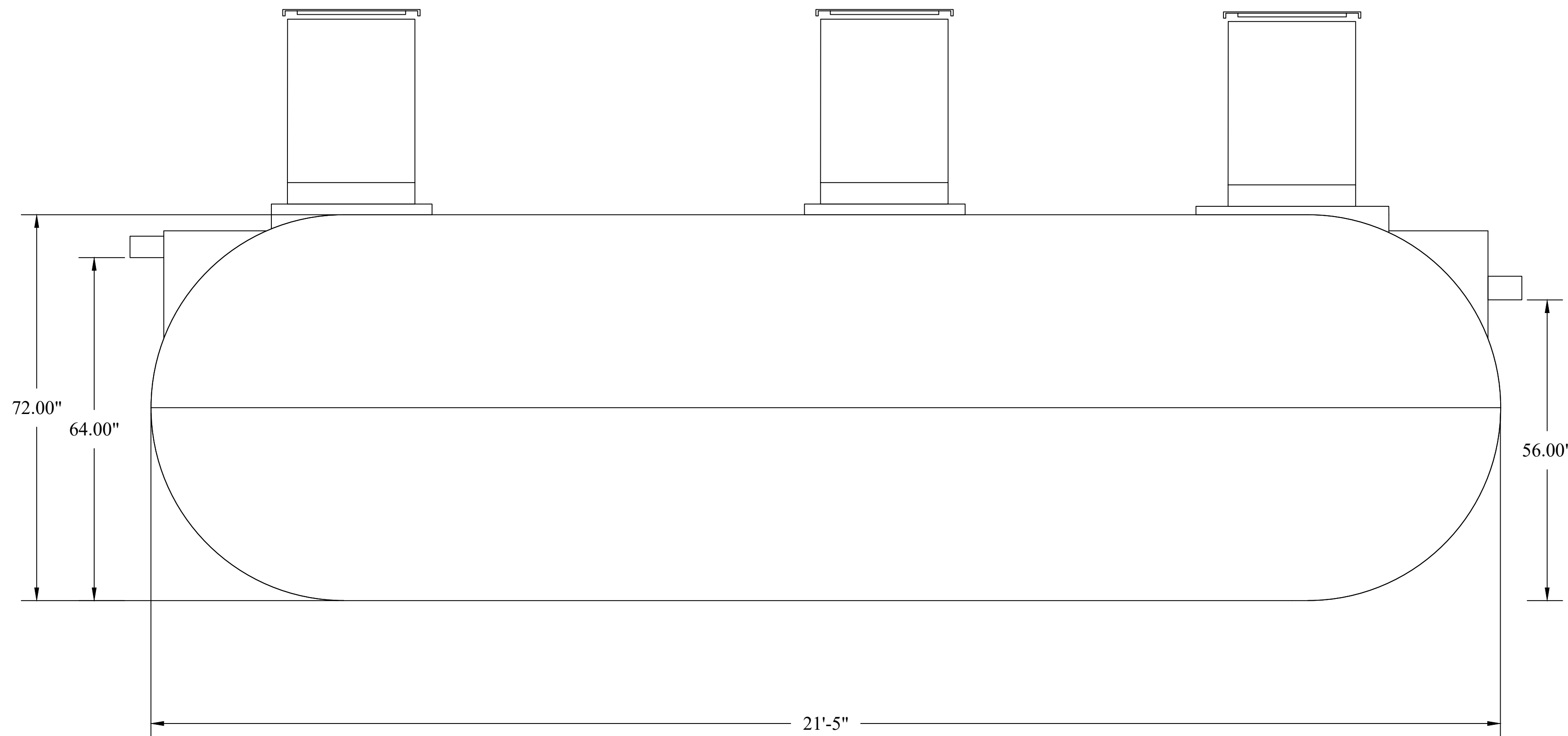


31 AFFONSO DRIVE  
MOUND HOUSE, NV 89706  
1(877)-4SEPTIC [1(877)473-7842]  
WWW.MICROSEPTEC.COM

NOTES

- GENERAL:
- THE MIDDLE THREE CHAMBERS SHOULD NEVER BE PUMPED DRY, ESPECIALLY IN HIGH GROUNDWATER CONDITIONS
  - RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC
  - PLUMBING DIMENSIONS FROM OUTSIDE EDGE OF TANK TO INVERT OF INLET AND OUTLET
  - CONTRACTOR TO PROVIDE ADDITIONAL PLUMBING FOR ANY BURIAL DEPTH GREATER THAN 4FT
  - SITE-SPECIFIC CHARACTERISTICS INCLUDING BUT NOT LIMITED TO: BURIAL DEPTH, TRAFFIC OR OTHER EXTERNAL LOADING, SEASONAL GROUNDWATER, AND SOIL CHARACTERISTICS SHOULD BE CONFIRMED WITH A LOCAL DESIGN ENGINEER BEFORE INSTALLATION
- TANK BURIAL:
- THE DESIGNED TANK BURIAL DEPTH IS 2FT TO 6FT. ANY TANK BURIED BEYOND THAT RANGE MUST BE ANALYZED BY A LOCAL DESIGN ENGINEER
  - COVER TO BE A MINIMUM OF 2FT.
  - ENGINEERED BACKFILL TO BE A MINIMUM OF 12" ALONG SIDES AND BOTTOM OF TANK
  - GEOLOGIST OR GEOTECHNICAL ENGINEER TO DETERMINE IF ANCHORS AND TEXTILE FILTER ARE REQUIRED.
  - DEPTH OF SOIL SLOPE CUT PER LOCAL CODE OR SOIL REPORT
  - VERTICAL CUT FOR FILL HEIGHT CAN BE DONE IF APPROVED BY LOCAL CODE OR SOIL ENGINEER
  - GEOLOGIST OR GEOTECH ENGINEER SHOULD DETERMINE IF CORROSIVE RESISTANT MATERIAL SHOULD BE USED IN ANY STEEL PARTS EXPOSED IN THE SOIL

DESIGN TREATMENT CAPACITY (gpd)	1200
TOTAL TANK CAPACITY (gal)	3650
TOTAL LENGTH	21'-5"
DIAMETER (in.)	72
INLET HEIGHT (in.)	64
OUTLET HEIGHT (in.)	56



DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:		
REVISION:	DATE: BY:	DESCRIPTION:

SITE INFORMATION:

ES 12  
ENVIROSERVER  
ADVANCED WASEWATER  
TREATMENT SYSTEM

SHEET TITLE:

ES12

SHEET NUMBER:

1 OF 1

# ENVIROSERVER - ES SERIES ES12-GRAV/SOL

**DESCRIPTION:**

PRIMARY AND SECONDARY WASTEWATER TREATMENT DEVICE USING BOTH FIXED FILM AND SUSPENDED GROWTH WITH MULTI-STAGE AEROBIC PROCESS. TANK CAPACITIES LISTED ARE FOR STANDARD UNITS

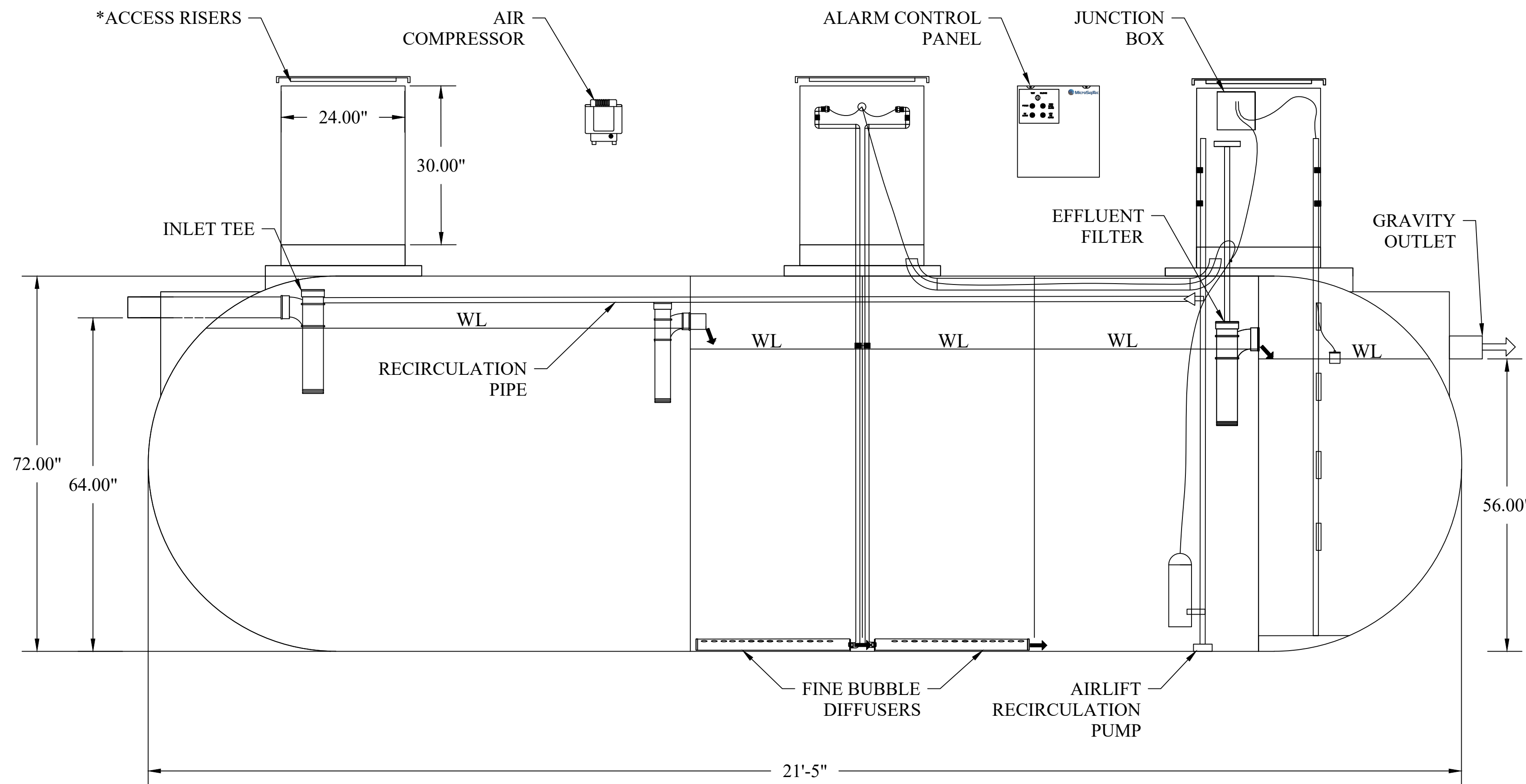


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AIR DIFFUSER	2-EDI FINE BUBBLE
AIR COMPRESSOR	2-HIBLOW 120LL
RECIRCULATION CONTROL	SOLENOID
ALARM CONTROL PANEL	MCPR-G
TELEMETRY	OPTIONAL

DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:		
REVISION:	DATE:	DESCRIPTION:
	BY:	

**SITE INFORMATION:**

ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

**SHEET TITLE:**

ES12-GRAV/SOL

**SHEET NUMBER:**

1 OF 1

**NOTES:**

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

# ENVIROSERVER - ES SERIES ES12-GRAV/SOL/UV

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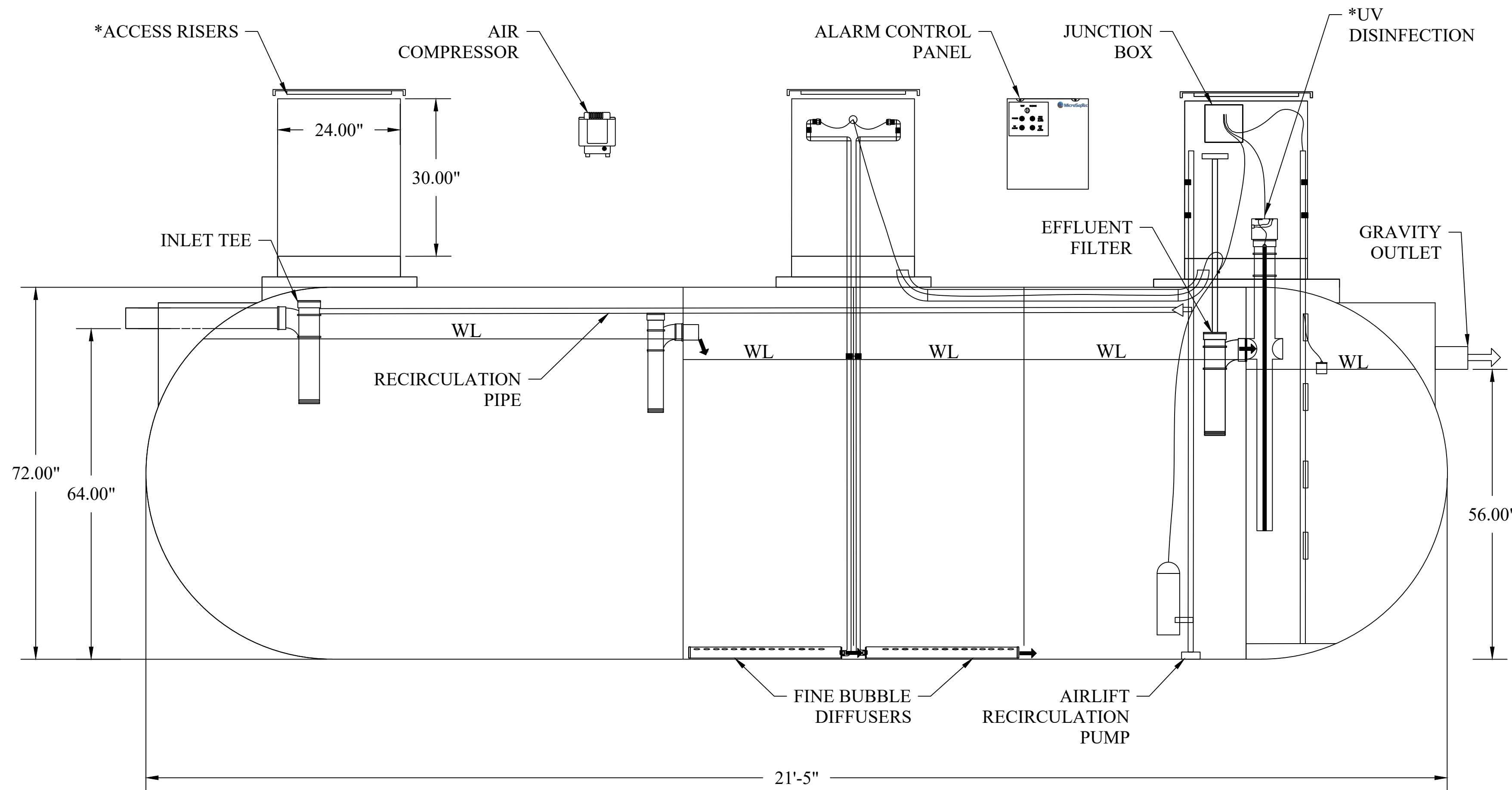
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TELEMETRY	OPTIONAL
DISINFECTION	SALCOR 3G

DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

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	BY:	

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ES 12  
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ADVANCED WASTEWATER  
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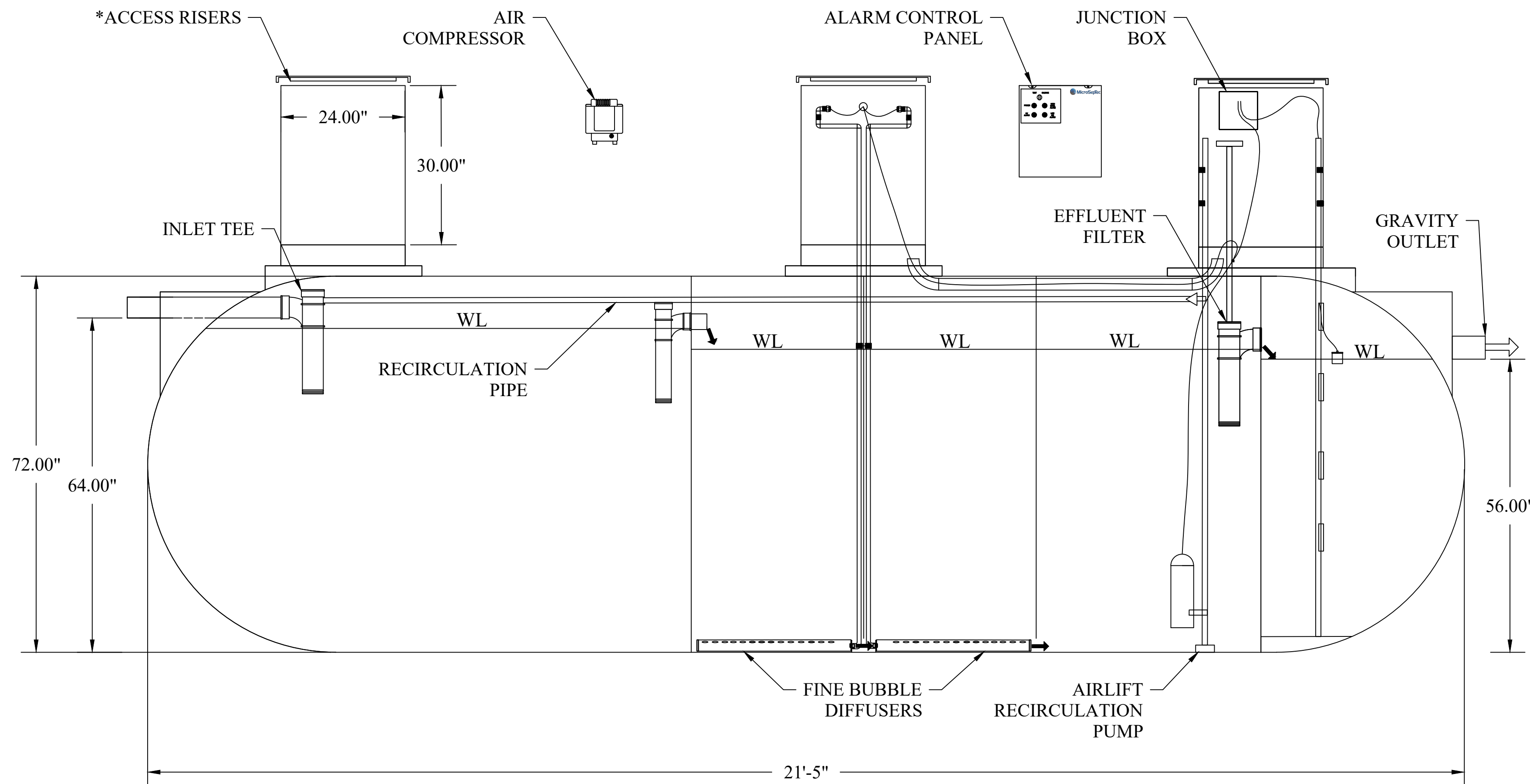
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ALARM CONTROL PANEL	MCP-G
TELEMETRY	OPTIONAL

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	BY:	

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ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

## SHEET TITLE:

ES12-GRAV/NV

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1 OF 1

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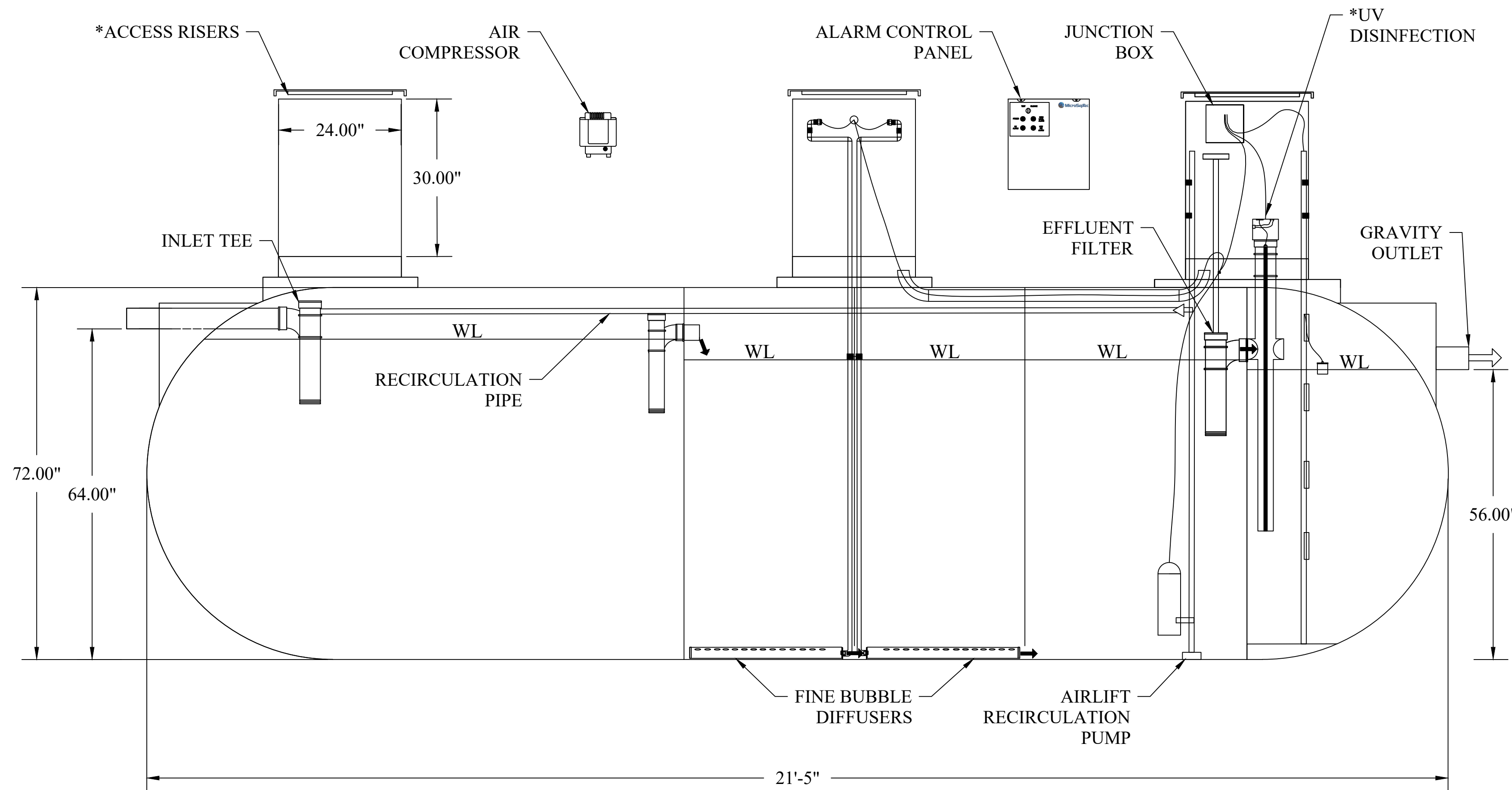
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ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

## SHEET TITLE:

ES12-GRAV/NV/UV

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1 OF 1

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# ENVIROSERVER - ES SERIES ES12-GRAV/MRP

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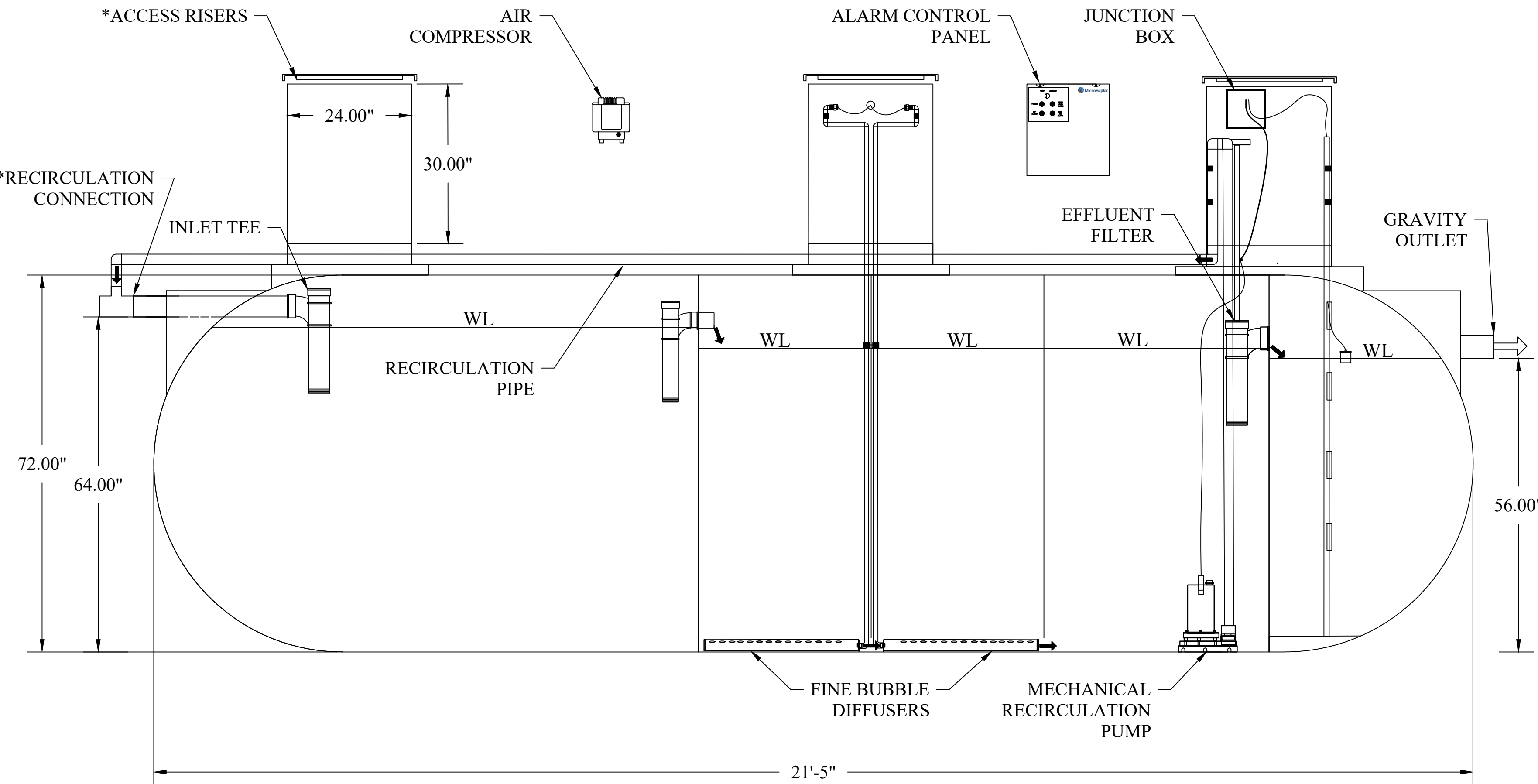
ES 12  
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**SHEET TITLE:**

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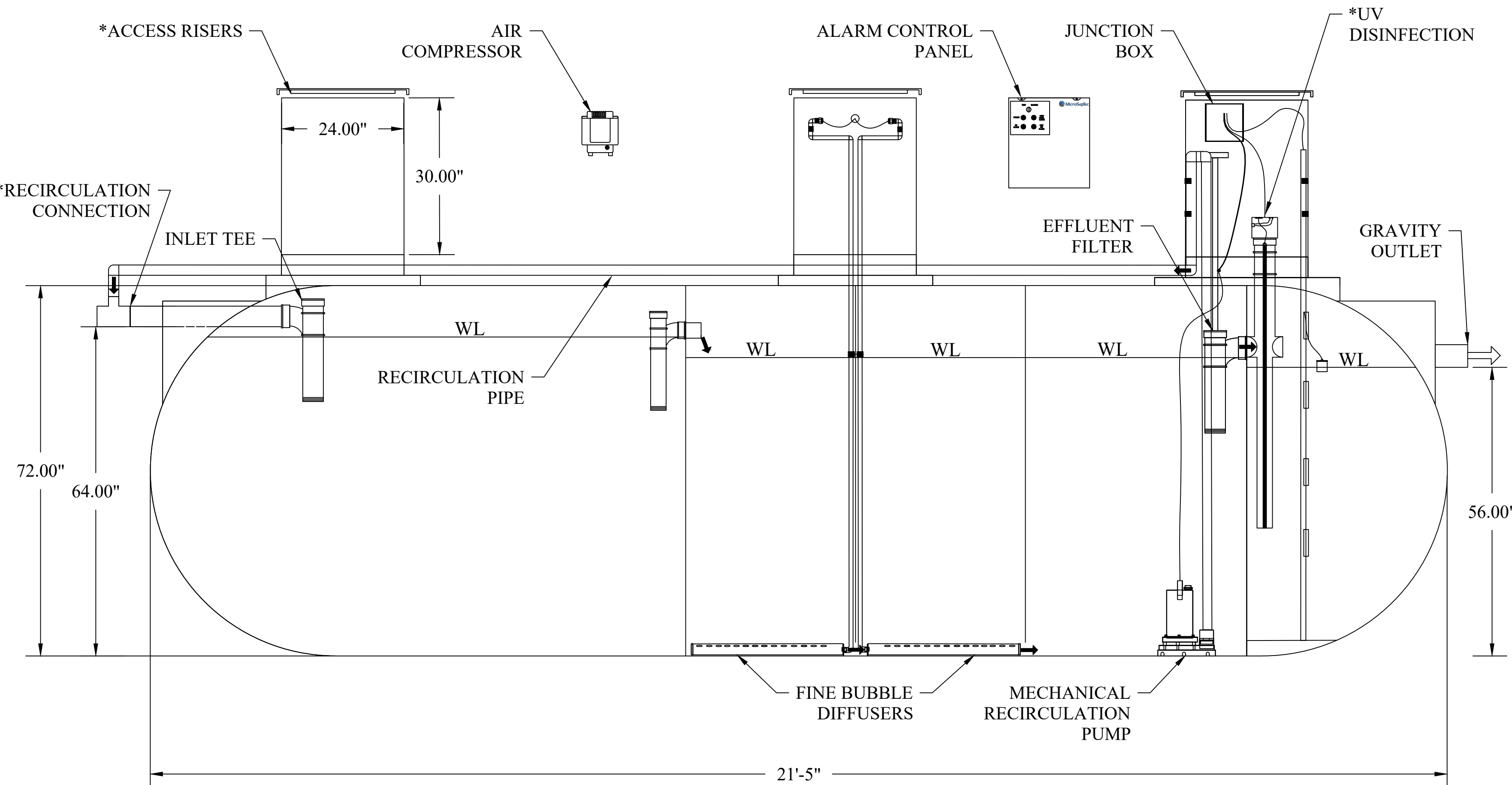
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ALARM CONTROL PANEL	MCPR-DP
TELEMETRY	OPTIONAL
DISCHARGE PUMP	SIMPLEX OR DUPLEX

DRAWN:	DATE:	JOB NUMBER:
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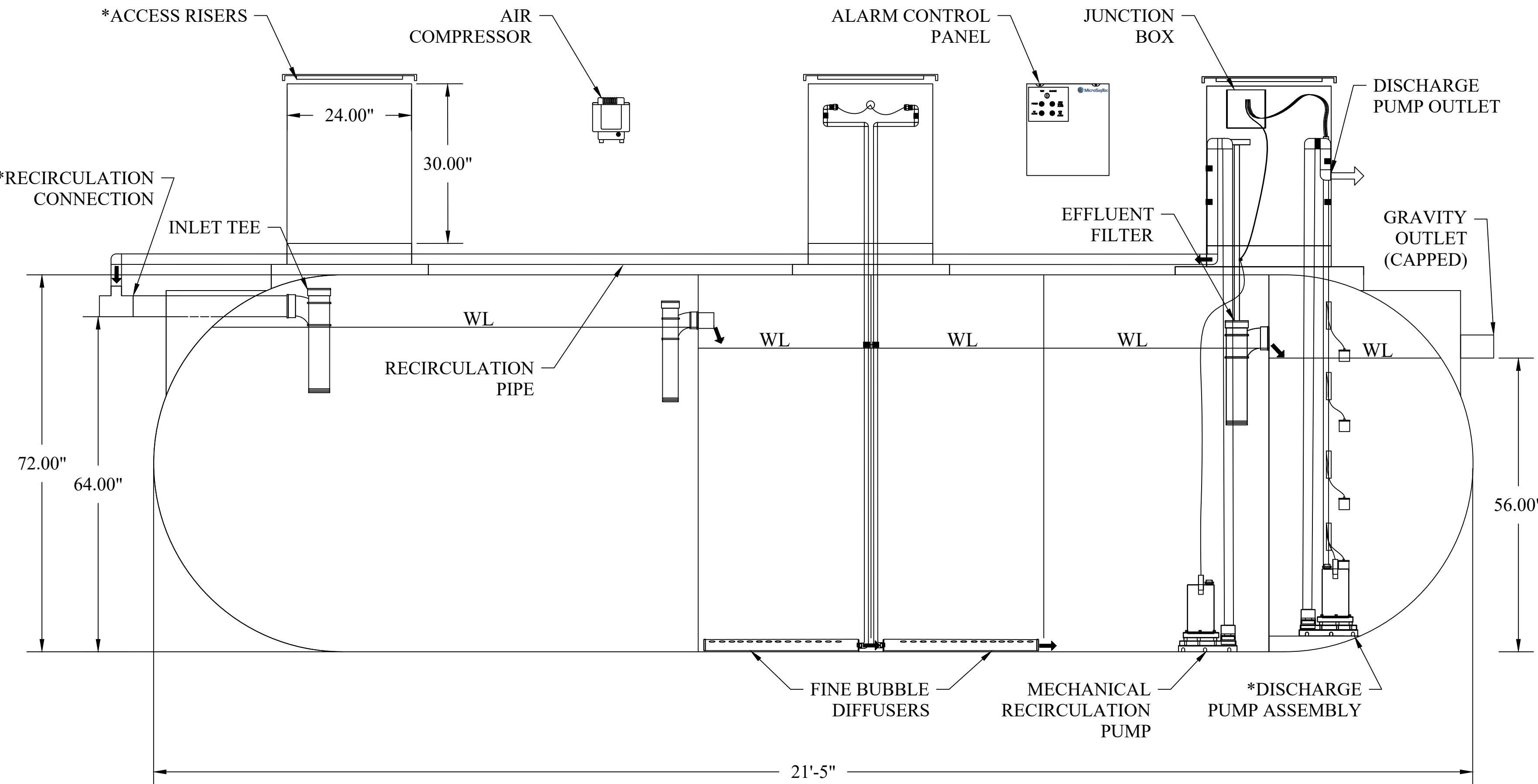
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  2. RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC
  3. PLUMBING DIMENSIONS FROM OUTSIDE EDGE OF TANK TO INVERT OF INLET AND OUTLET
  4. CONTRACTOR TO PROVIDE ADDITIONAL PLUMBING FOR ANY BURIAL DEPTH GREATER THAN 4FT
  5. SITE-SPECIFIC CHARACTERISTICS INCLUDING BUT NOT LIMITED TO: BURIAL DEPTH, TRAFFIC OR OTHER EXTERNAL LOADING, SEASONAL GROUNDWATER, AND SOIL CHARACTERISTICS SHOULD BE CONFIRMED WITH A LOCAL DESIGN ENGINEER BEFORE INSTALLATION

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6. THE DESIGNED TANK BURIAL DEPTH IS 2FT TO 6FT. ANY TANK BURIED BEYOND THAT RANGE MUST BE ANALYZED BY A LOCAL DESIGN ENGINEER
  7. COVER TO BE A MINIMUM OF 2FT.
  8. ENGINEERED BACKFILL TO BE A MINIMUM OF 12" ALONG SIDES AND BOTTOM OF TANK
  9. GEOLOGIST OR GEOTECHNICAL ENGINEER TO DETERMINE IF ANCHORS AND TEXTILE FILTER ARE REQUIRED.
  10. DEPTH OF SOIL SLOPE CUT PER LOCAL CODE OR SOIL REPORT
  11. VERTICAL CUT FOR FILL HEIGHT CAN BE DONE IF APPROVED BY LOCAL CODE OR SOIL ENGINEER
  12. GEOLOGIST OR GEOTECH ENGINEER SHOULD DETERMINE IF CORROSIVE RESISTANT MATERIAL SHOULD BE USED IN ANY STEEL PARTS EXPOSED IN THE SOIL

DESIGN TREATMENT CAPACITY (gpd)	1200
TOTAL TANK CAPACITY (gal)	3650
TOTAL LENGTH	21'-5"
DIAMETER (in.)	72
INLET HEIGHT (in.)	64
OUTLET HEIGHT (in.)	56
BIOMEDIA VOLUME (cu.ft.)	40
AIR DIFFUSER	2-EDI FINE BUBBLE
AIR COMPRESSOR	2-HIBLOW 120LL
RECIRCULATION CONTROL	MECHANICAL
ALARM CONTROL PANEL	MCPR-DP
TELEMETRY	OPTIONAL
DISCHARGE PUMP	SIMPLEX OR DUPLEX
DISINFECTION	SALCOR 3G

DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:		
REVISION:	DATE:	DESCRIPTION:

## SITE INFORMATION:

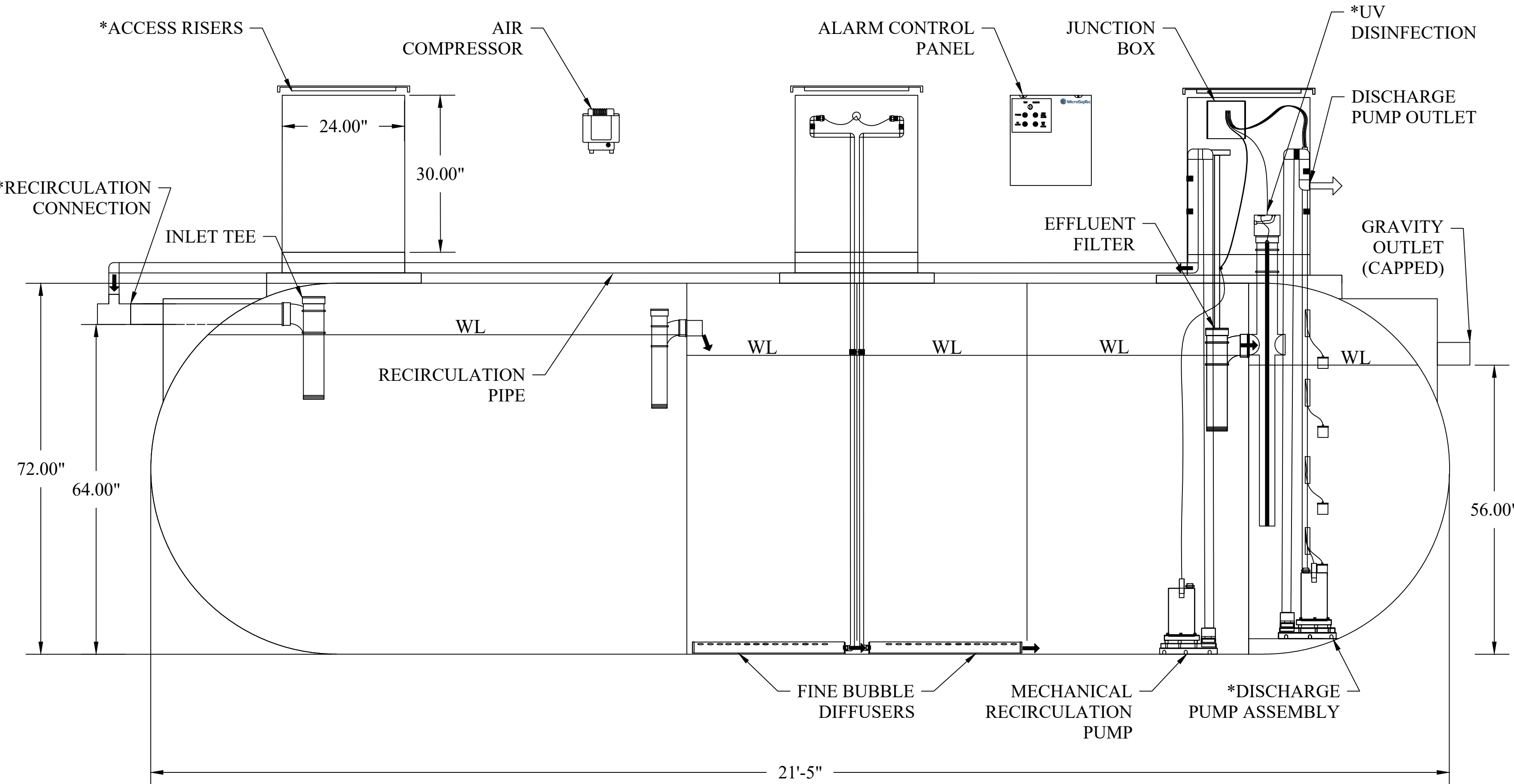
ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

## SHEET TITLE:

ES12-PUMP/MRP/UV

## SHEET NUMBER:

1 OF 1



## NOTES:

- \*MATERIALS NOT SUPPLIED BY MICROSEPTEC
- \*\*RECIRCULATION CONNECTION MUST BE LOCATED AT A MINIMUM OF 3FT FROM THE TANK

# ENVIROSERVER - ES SERIES ES12-PUMP/SOL

**DESCRIPTION:**

PRIMARY AND SECONDARY WASTEWATER TREATMENT DEVICE USING BOTH FIXED FILM AND SUSPENDED GROWTH WITH MULTI-STAGE AEROBIC PROCESS. TANK CAPACITIES LISTED ARE FOR STANDARD UNITS

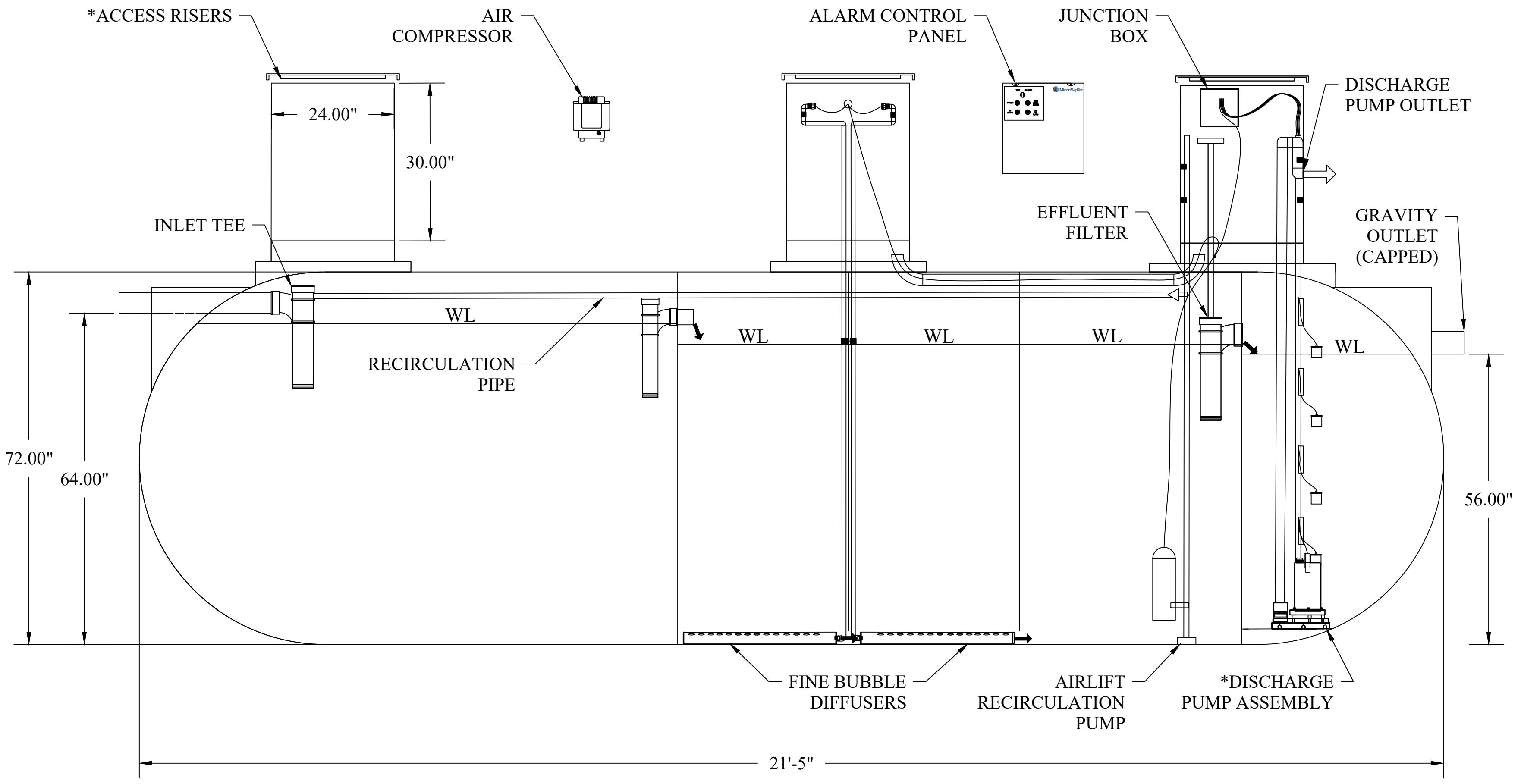


31 AFFONSO DRIVE  
MOUND HOUSE, NV 89706  
1(877)-4SEPTIC [1(877)473-7842]  
WWW.MICROSEPTEC.COM

**NOTES**

- GENERAL:**
1. THE MIDDLE THREE CHAMBERS SHOULD NEVER BE PUMPED DRY, ESPECIALLY IN HIGH GROUNDWATER CONDITIONS
  2. RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC
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AIR DIFFUSER	2-EDI FINE BUBBLE
AIR COMPRESSOR	2-HIBLOW 120LL
RECIRCULATION CONTROL	SOLENOID
ALARM CONTROL PANEL	MCPR-DP
TELEMETRY	OPTIONAL
DISCHARGE PUMP	SIMPLEX OR DUPLEX

DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:

REVISION:	DATE:	DESCRIPTION:

SITE INFORMATION:

ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

SHEET TITLE:

ES12-PUMP/SOL

SHEET NUMBER:

1 OF 1

**NOTES:**

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

# ENVIROSERVER - ES SERIES ES12-PUMP/SOL/UV

**DESCRIPTION:**

PRIMARY AND SECONDARY WASTEWATER TREATMENT DEVICE USING BOTH FIXED FILM AND SUSPENDED GROWTH WITH MULTI-STAGE AEROBIC PROCESS. TANK CAPACITIES LISTED ARE FOR STANDARD UNITS

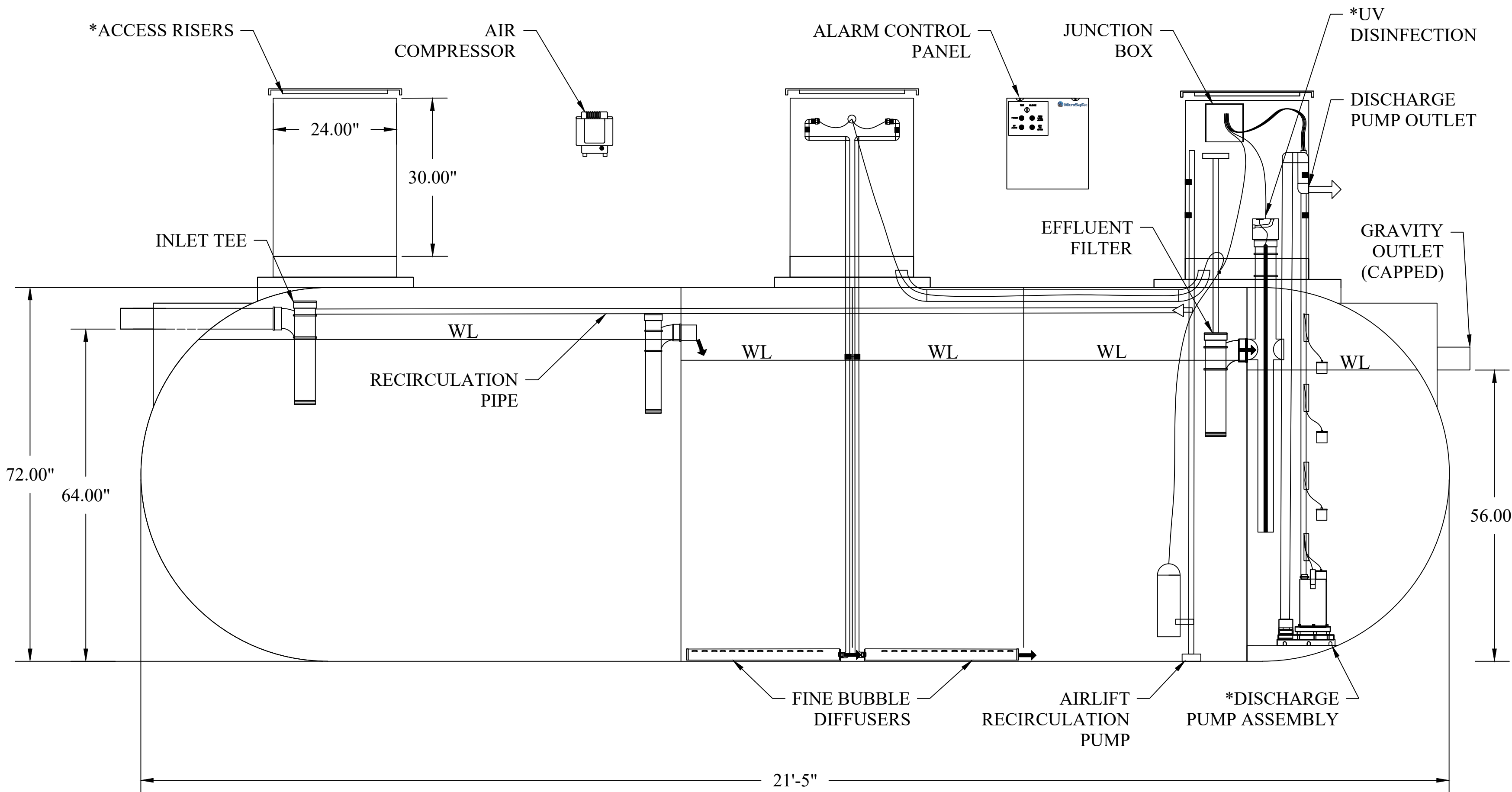


31 AFFONSO DRIVE  
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**NOTES**

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ALARM CONTROL PANEL	MCPR-DP
TELEMETRY	OPTIONAL
DISCHARGE PUMP	SIMPLEX OR DUPLEX
DISINFECTION	SALCOR 3G

DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:		
REVISION:	DATE:	DESCRIPTION:
BY:	BY:	

**SITE INFORMATION:**

ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

**SHEET TITLE:**

ES12-PUMP/SOL/UV

**SHEET NUMBER:**

1 OF 1

**NOTES:**

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# ENVIROSERVER - ES SERIES ES12-PUMP/NV



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WWW.MICROSEPTEC.COM

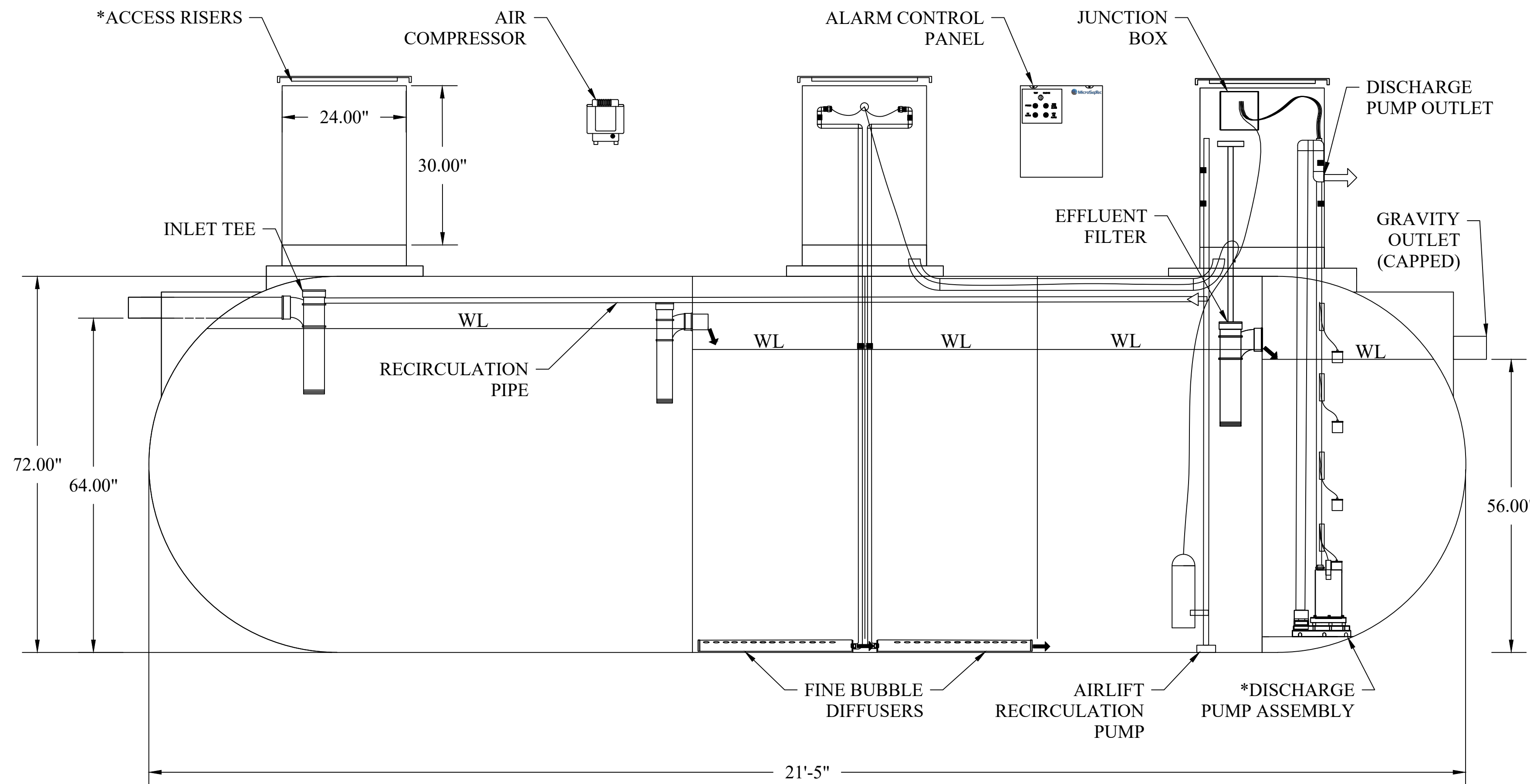
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DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:		
REVISION:	DATE:	DESCRIPTION:
BY:	BY:	

## SITE INFORMATION:

ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

## SHEET TITLE:

ES12-PUMP/NV

## SHEET NUMBER:

1 OF 1

## NOTES:

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# ENVIROSERVER - ES SERIES ES12-PUMP/NV/UV

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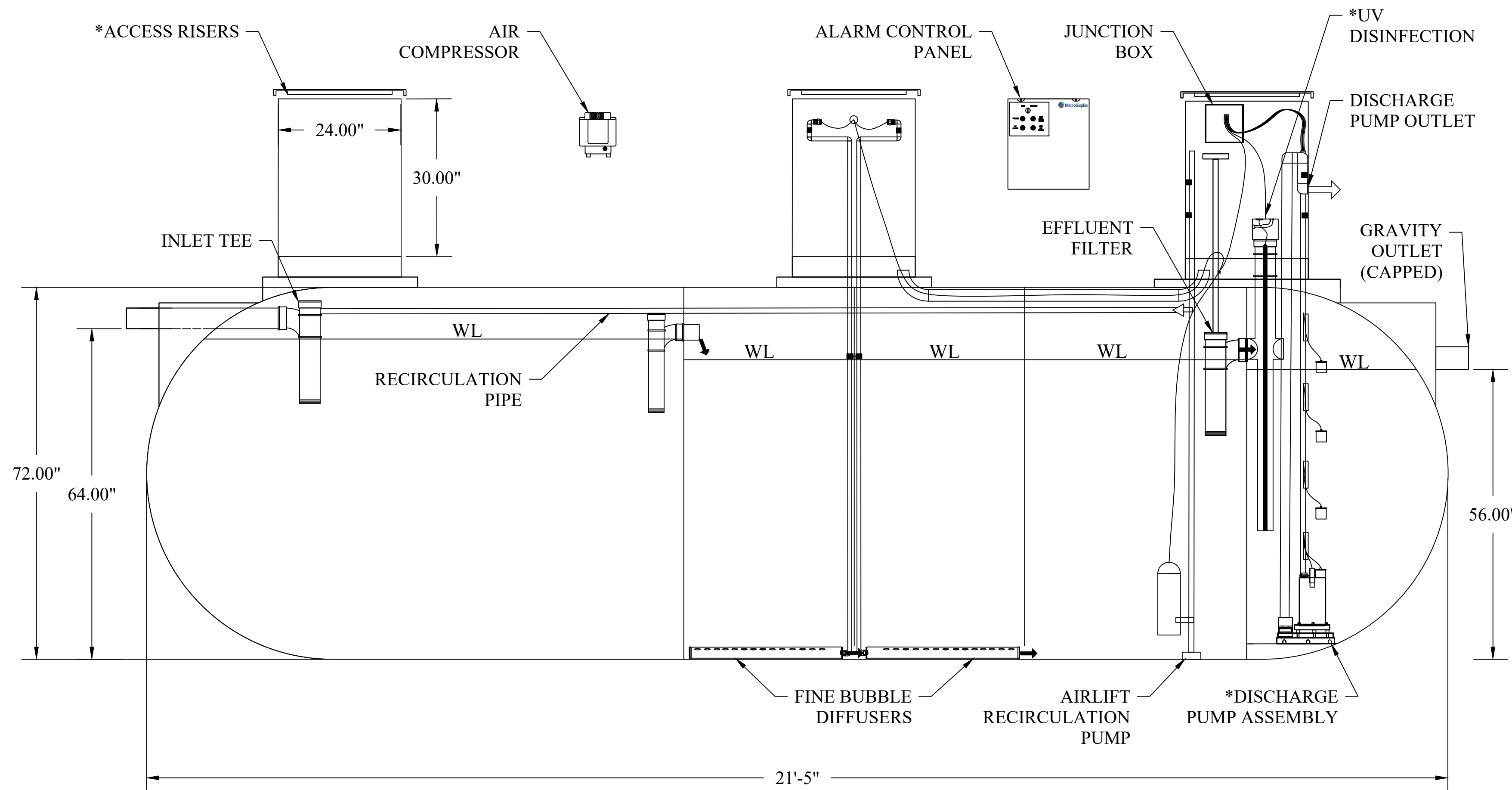


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DISINFECTION	SALCOR 3G

DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12

REVISION:		
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BY:	BY:	

**SITE INFORMATION:**

ES 12  
ENVIROSERVER  
ADVANCED WASTEWATER  
TREATMENT SYSTEM

**SHEET TITLE:**

ES12-PUMP/NV/UV

**SHEET NUMBER:**

1 OF 1

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