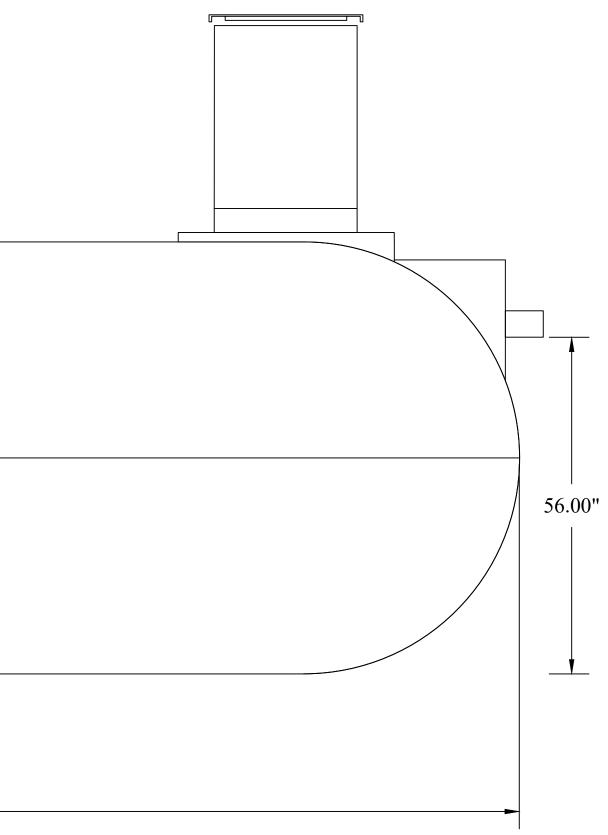


TANK LAYOUT (ELEVATION VIEW)

#### **ENVIROSERVER - ES SERIES ES12**

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



DESIGN TREATMENT CAPACITY (gpd)	
TOTAL TANK CAPACITY (gal)	
TOTAL LENGTH	
DIAMETER (in.)	
INLET HEIGHT (in.)	
OUTLET HEIGHT (in.)	

DED GROWTH	<b></b>	NO	TES	
$     \begin{array}{r}             1200 \\             3650 \\             21'-5" \\             72 \\             64 \\             56 \\         \end{array} $	<ul> <li>GENERAL: <ol> <li>THE MIDDLE THREE CHAMBERS SHOULD NEVER BE PUMPED DRY, ESPECIALLY IN HIGH GROUNDWATER CONDITIONS</li> <li>RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC</li> <li>PLUMBING DIMENSIONS FROM OUTSIDE EDGE OF TANK TO INVERT OF INLET AND OUTLET</li> <li>CONTRACTOR TO PROVIDE ADDITIONAL PLUMBING FOR ANY BURIAL DEPTH GREATER THAN 4FT</li> <li>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</li> </ol> TANK BURIAL: <ol> <li>THE DESIGNED TANK BURIAL DEPTH IS 2FT TO 6F ANY TANK BURIED BEYOND THAT RANGE MUST BE ANALYZED BY A LOCAL DESIGN ENGINEER</li> <li>COVER TO BE A MINIMUM OF 2FT.</li> <li>ENGINEERED BACKFILL TO BE A MINIMUM OF 12" ALONG SIDES AND BOTTOM OF TANK</li> <li>GEOLOGIST OR GEOTECHNICAL ENGINEER TO DETERMINE IF ANCHORS AND TEXTILE FILTER ARE REQUIRED.</li> <li>DEPTH OF SOIL SLOPE CUT PER LOCAL CODE OR SOIL REPORT</li> <li>VERTICAL CUT FOR FILL HEIGHT CAN BE DONE IF APPROVED BY LOCAL COE OR SOIL ENGINEER IS APPROVED BY LOCAL CODE OR SOIL REPORT</li> <li>VERTICAL CUT FOR FILL HEIGHT CAN BE DONE IF APPROVED BY LOCAL CODE OR SOIL ENGINEER IS GEOLOGIST OR GEOTECH PER LOCAL CODE OR SOIL REPORT</li> </ol></li></ul>			
	DRAWN:	DATE:	JOB NUMBER:	
	AJM	2/10/21	ES12	
		REV	VISION:	
	REVISION:	DATE: BY:	DESCRIPTION:	
			-	
	<b></b>	SITE INFO	ORMATION:	
		ENVIRO /ANCED V	12 SERVER WASEWATER NT SYSTEM	
		SHEE	T TITLE:	
		ES	12	
		SHEET	NUMBER:	
SCALE NONE 1		1 C	)F 1	

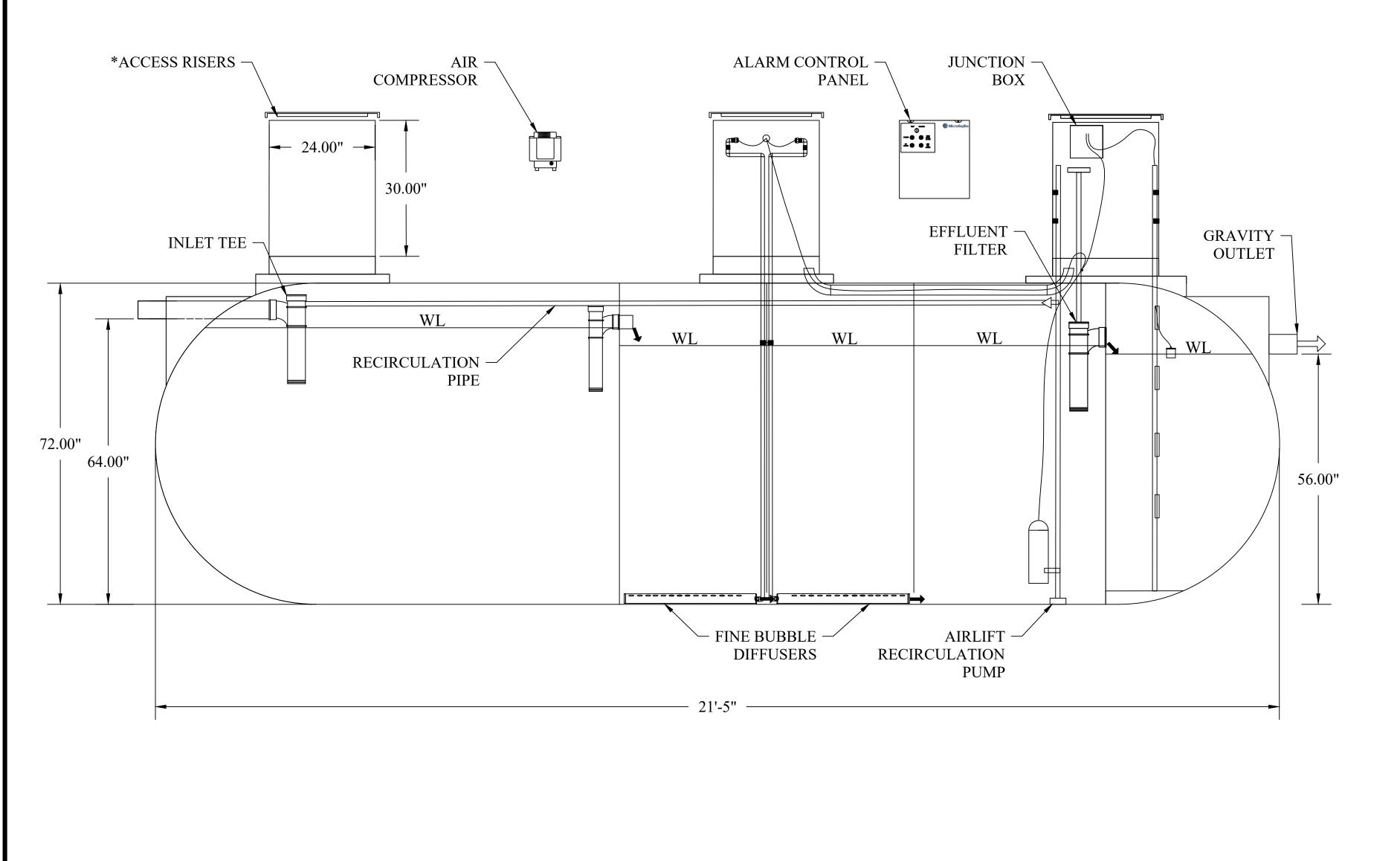
MicroSepTec

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

## **ENVIROSERVER - ES SERIES ES12-GRA**

**DESCRIPTION:** 

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



NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

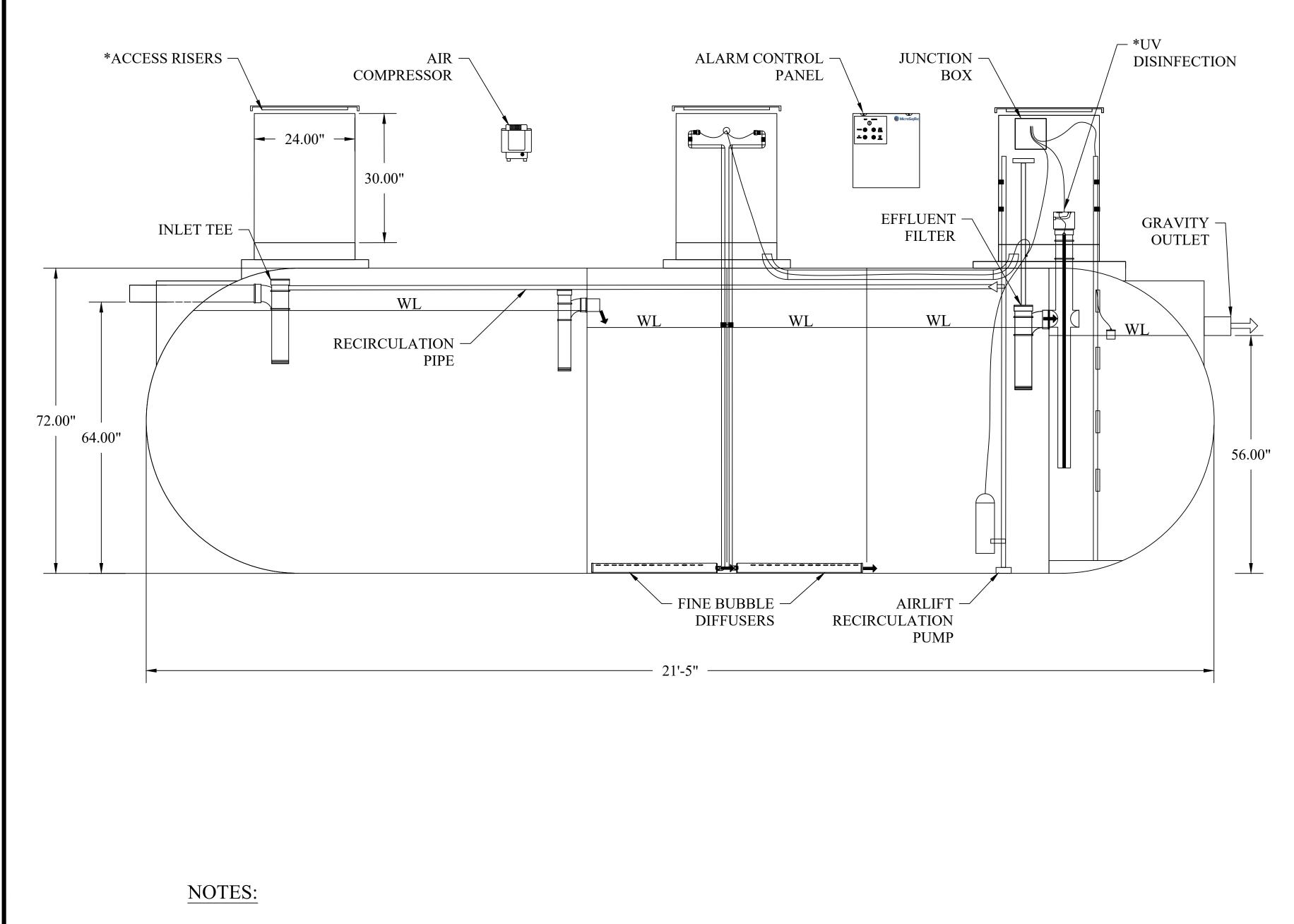
DESIGN TREATMENT CAPACITY (gpd)
TOTAL TANK CAPACITY (gal)
TOTAL LENGTH
DIAMETER (in.)
INLET HEIGHT (in.)
OUTLET HEIGHT (in.)
BIOMEDIA VOLUME (cu.ft.)
AIR DIFFUSER
AIR COMPRESSOR
<b>RECIRCULATION CONTROL</b>
ALARM CONTROL PANEL
TELEMETRY

	<b>I</b>		
<b>V/SOL</b>	3 MO 1(877)-4	31 AFFON UND HOU SEPTIC	<b>SO DRIVE</b> JSE, NV 89706 [1(877)473-7842] SEPTEC.COM
		NO	TES
JSPENDED GROWTH	BE PUM GROUNI 2. RISERS MICROS 3. PLUMBI TANK T 4. CONTRA PLUMBI THAN 41 5. SITE-SPI NOT LIN OTHER 1 GROUNI SHOULD ENGINE TANK BURIAI 6. THE DES ANY TA BE ANA 7. COVER 7 8. ENGINE ALONG 9. GEOLOO	DDLE THREE CI PED DRY, ESPE DWATER COND AND RISER AD. EPTEC NG DIMENSION O INVERT OF IN ACTOR TO PRO' NG FOR ANY B FT ECIFIC CHARAG MITED TO: BUR EXTERNAL LOA DWATER, AND D BE CONFIRME ER BEFORE INS .: SIGNED TANK I NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFIL SIDES AND BO' GIST OR GEOTE	HAMBERS SHOULD NEVER ICIALLY IN HIGH DITIONS APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN STALLATION BURIAL DEPTH IS 2FT TO 6FT. YOND THAT RANGE MUST DCAL DESIGN ENGINEER
pd) 1200	ARE REC 10. DEPTH C	QUIRED. OF SOIL SLOPE	CUT PER LOCAL CODE OR
gal) 3650		AL CUT FOR FI	LL HEIGHT CAN BE DONE IF CODE OR SOIL ENGINEER
TH     21'-5"	12. GEOLOO DETERM	GIST OR GEOTE AINE IF CORRO	CH ENGINEER SHOULD SIVE RESISTANT MATERIAL
in.) 72	SHOULE IN THE S		NY STEEL PARTS EXPOSED
in.) 64			
in.) 56			
.ft.) 40			
ER   2-EDI FINE BUBBLE			
OR 2-HIBLOW 120LL			
OL SOLENOID EL MCPR-G			
RY OPTIONAL	DRAWN:	DATE:	JOB NUMBER:
	AJM	2/10/21	ES12
	REVISION:	REV DATE: BY:	VISION: DESCRIPTION:
		SITE INFO	ORMATION:
		ENVIRO VANCED V	12 SERVER WASEWATER NT SYSTEM
		SHEE	T TITLE:
		ES12-GR	AV/SOL
		SHEET	NUMBER:
SCALE 1		1 C	<b>D</b> F 1
NONE 1			

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

**DESCRIPTION:** 

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



\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

APACITY (gpd)	DESIGN TREATME
APACITY (gal)	TOTAL TA
DTAL LENGTH	
DIAMETER (in.)	
T HEIGHT (in.)	
T HEIGHT (in.)	0
OLUME (cu.ft.)	BIOME
AIR DIFFUSER	
COMPRESSOR	
ION CONTROL	RECIRCU
NTROL PANEL	ALAR
TELEMETRY	
DISINFECTION	

IDED GROWTH	NOTES			
1200         3650         21'-5"         72         64         56         40         2-EDI FINE BUBBLE         2-HIBLOW 120LL         SOLENOID	<ul> <li>GENERAL: <ol> <li>THE MIDDLE THREE CHAMBERS SHOULD NEVER BE PUMPED DRY, ESPECIALLY IN HIGH GROUNDWATER CONDITIONS</li> <li>RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC</li> <li>PLUMBING DIMENSIONS FROM OUTSIDE EDGE OF TANK TO INVERT OF INLET AND OUTLET</li> <li>CONTRACTOR TO PROVIDE ADDITIONAL PLUMBING FOR ANY BURIAL DEPTH GREATER THAN 4FT</li> <li>SITE-SPECIFIC CHARACTERISTICS INCLUDING BU' 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</li> </ol> TANK BURIAL: <ol> <li>THE DESIGNED TANK BURIAL DEPTH IS 2FT TO 6F ANY TANK BURIED BEYOND THAT RANGE MUST BE ANALYZED BY A LOCAL DESIGN ENGINEER</li> <li>COVER TO BE A MINIMUM OF 2FT.</li> <li>ENGINEERED BACKFILL TO BE A MINIMUM OF 12" ALONG SIDES AND BOTTOM OF TANK</li> <li>GEOLOGIST OR GEOTECHNICAL ENGINEER TO DETERMINE IF ANCHORS AND TEXTILE FILTER ARE REQUIRED.</li> <li>DEPTH OF SOIL SLOPE CUT PER LOCAL CODE OR SOIL REPORT</li> <li>VERTICAL CUT FOR FILL HEIGHT CAN BE DONE IF APPROVED BY LOCAL CODE OR SOIL ENGINEER</li> <li>GEOLOGIST OR GEOTECH ENGINEER SHOULD DETERMINE IF CORROSIVE RESISTANT MATERIAL SHOULD BE USED IN ANY STEEL PARTS EXPOSED IN THE SOIL</li> </ol></li></ul>			
MCPR-G OPTIONAL	DRAWN: DATE: JOB NUMBER:			
SALCOR 3G	AJM 2/10/21 ES12			
	REVISION:			
	REVISION: DATE: DESCRIPTION:			
	BY:			
	SITE INFORMATION:			
	ES 12 ENVIROSERVER ADVANCED WASEWATER TREATMENT SYSTEM			
	SHEET TITLE:			
	ES12-GRAV/SOL/UV			
	SHEET NUMBER:			
S C A L E NONE	1 OF 1			

MicroSepTec

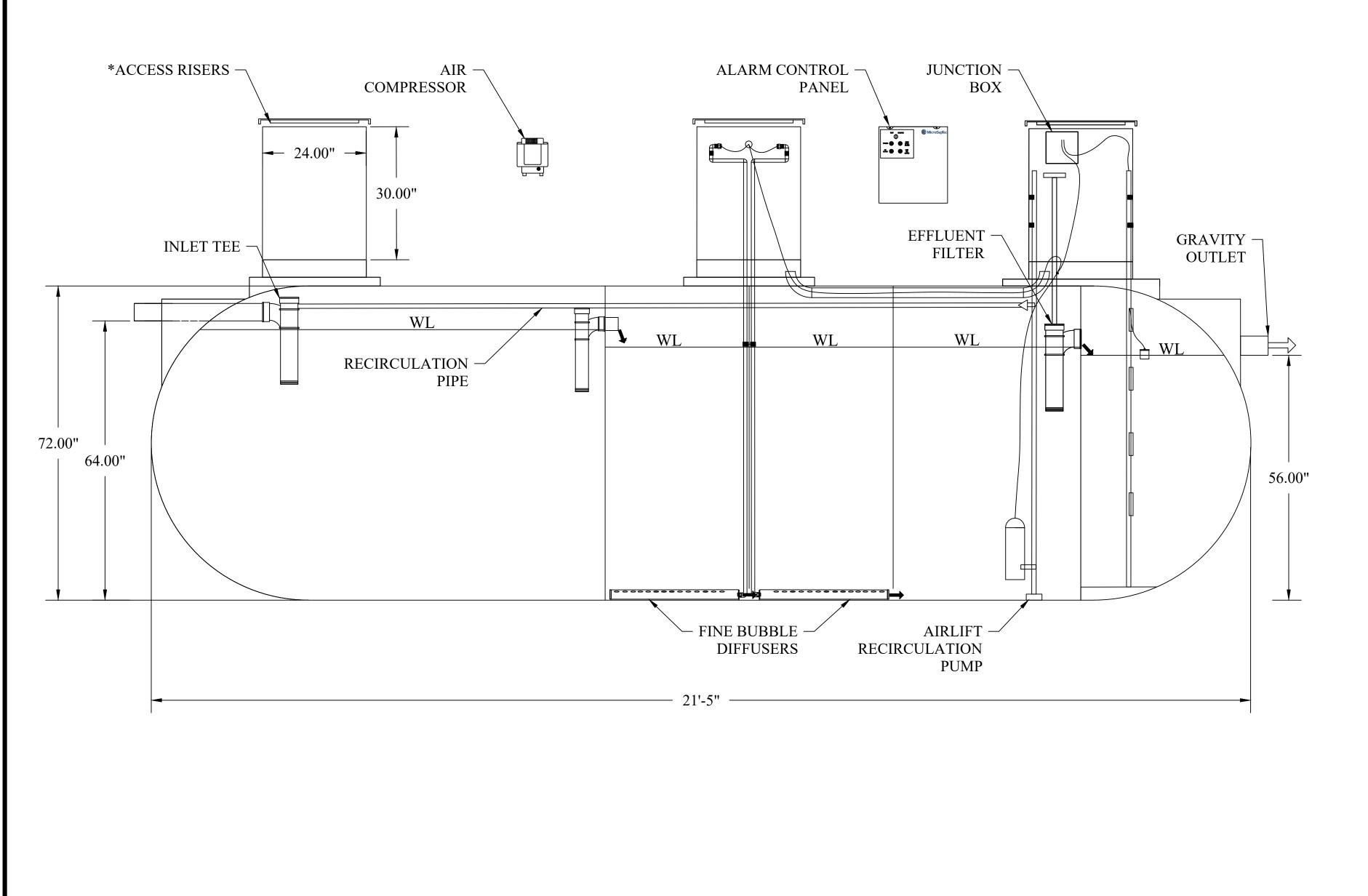
31 AFFONSO DRIVE MOUND HOUSE, NV 89706

1(877)-4SEPTIC [1(877)473-7842] WWW.MICROSEPTEC.COM

## **ENVIROSERVER - ES SERIES ES12-GRA**

**DESCRIPTION:** 

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



#### NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

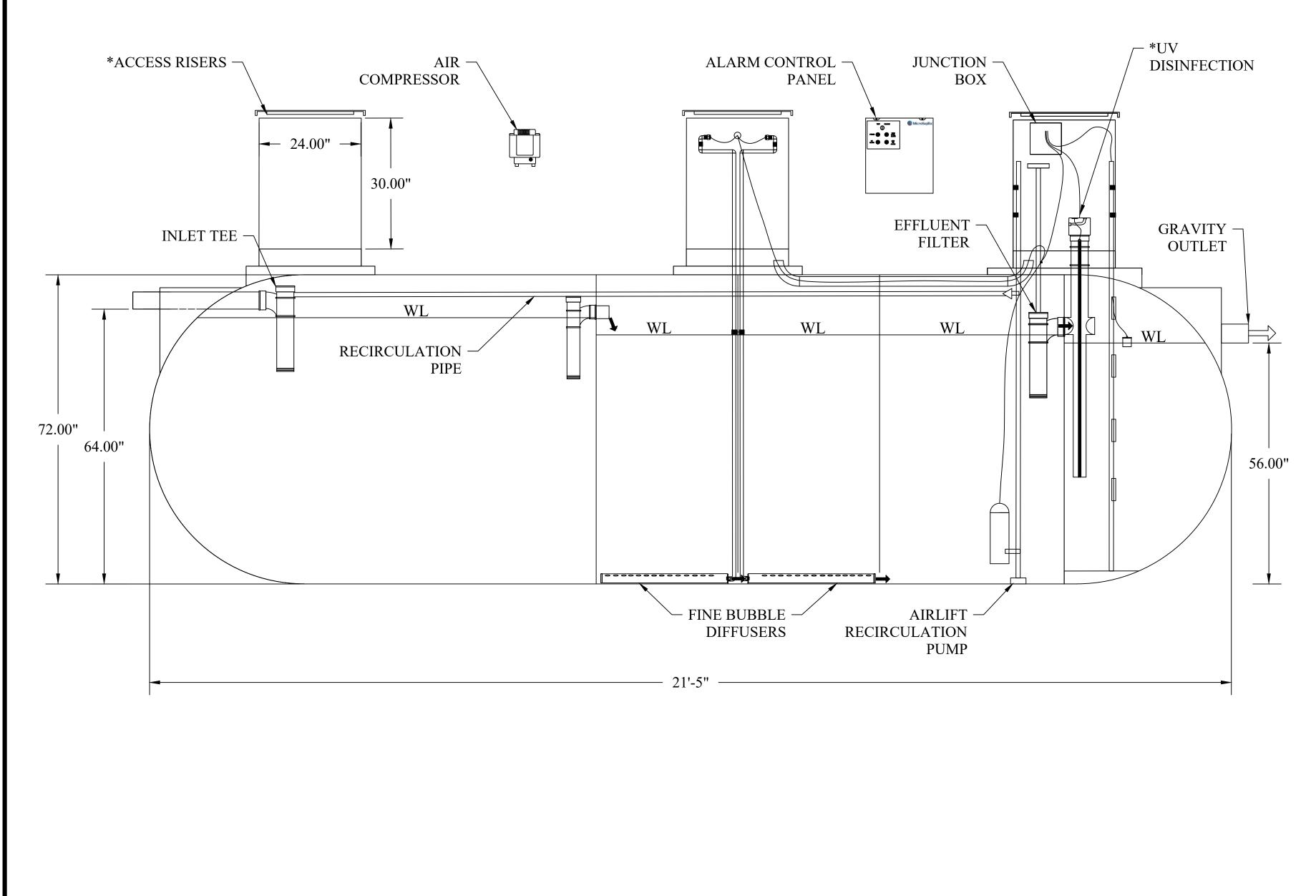
DESIGN TREATMENT CAPACITY (gpd)
TOTAL TANK CAPACITY (gal)
TOTAL LENGTH
DIAMETER (in.)
INLET HEIGHT (in.)
OUTLET HEIGHT (in.)
BIOMEDIA VOLUME (cu.ft.)
AIR DIFFUSER
AIR COMPRESSOR
RECIRCULATION CONTROL
ALARM CONTROL PANEL
TELEMETRY

V/NV	3 MOU 1(877)-4	1 AFFON UND HOU SEPTIC	<b>SODRIVE</b> SODRIVE SE, NV 89706 [1(877)473-7842] SEPTEC.COM
USPENDED GROWTH	BE PUMI GROUNI 2. RISERS A MICROS 3. PLUMBI TANK TO 4. CONTRA PLUMBI THAN 4F 5. SITE-SPF NOT LIM OTHER F GROUNI SHOULD ENGINE	PED DRY, ESPE DWATER COND AND RISER ADA EPTEC NG DIMENSION O INVERT OF IN ACTOR TO PROV NG FOR ANY BI ST ECIFIC CHARAC MITED TO: BURI EXTERNAL LOA DWATER, AND S D BE CONFIRME ER BEFORE INS	IAMBERS SHOULD NEVER CIALLY IN HIGH ITIONS APTERS NOT SUPPLIED BY IS FROM OUTSIDE EDGE OF ILET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT AL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS D WITH A LOCAL DESIGN
od)       1200         gal)       3650         FH       21'-5"         n.)       72         n.)       64         n.)       56         ft.)       40         ER       2-EDI FINE BUBBLE         OR       2-HIBLOW 120LL         OL       NEEDLE VALVE	BE ANAJ 7. COVER 7 8. ENGINE ALONG 9. GEOLOO DETERM ARE REC 10. DEPTH C SOIL REJ 11. VERTICA APPROV 12. GEOLOO DETERM	LYZED BY A LC TO BE A MINIM ERED BACKFIL SIDES AND BOT GIST OR GEOTE (INE IF ANCHO) QUIRED. DF SOIL SLOPE ( PORT AL CUT FOR FII (ED BY LOCAL ( GIST OR GEOTE (INE IF CORROS) DE USED IN AN	YOND THAT RANGE MUST DCAL DESIGN ENGINEER UM OF 2FT. L TO BE A MINIMUM OF 12" TTOM OF TANK CHNICAL ENGINEER TO RS AND TEXTILE FILTER CUT PER LOCAL CODE OR L HEIGHT CAN BE DONE IF CODE OR SOIL ENGINEER CH ENGINEER SHOULD SIVE RESISTANT MATERIAL NY STEEL PARTS EXPOSED
EL MCP-G RY OPTIONAL	DRAWN:	DATE:	JOB NUMBER:
	AJM	2/10/21	ES12
	REVISION:	REV DATE: BY:	/ISION: DESCRIPTION:
		SITE INFO	DRMATION:
		REATMEN	SERVER WASEWATER IT SYSTEM
		ES12-GR	
SCALE NONE 1		SHEET 1 O	NUMBER: PF 1

## **ENVIROSERVER - ES SERIES ES12-GRAV/NV/UV**

**DESCRIPTION:** 

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



NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

PACITY (gpd)	DESIGN TREATME
APACITY (gal)	TOTAL TA
TAL LENGTH	
AMETER (in.)	
THEIGHT (in.)	
THEIGHT (in.)	0
DLUME (cu.ft.)	BIOMEI
IR DIFFUSER	
COMPRESSOR	
ON CONTROL	RECIRCU
TROL PANEL	ALARN
TELEMETRY	
ISINFECTION	

	WW	W.MICRC	SEPTEC.COM
DED GROWTH		NO	TES
ADED GROWIN	BE PUM GROUNI 2. RISERS J MICROS 3. PLUMBI TANK TC 4. CONTRA PLUMBI THAN 4H 5. SITE-SPH NOT LIM OTHER I GROUNI SHOULD ENGINE	PED DRY, ESPE DWATER CONE AND RISER AD EPTEC NG DIMENSION O INVERT OF IN ACTOR TO PRO NG FOR ANY B FT ECIFIC CHARAG MITED TO: BUR EXTERNAL LO DWATER, AND D BE CONFIRME ER BEFORE INS	APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN
1200 3650 21'-5" 72 64 56 40 2-EDI FINE BUBBLE 2-HIBLOW 120LL NEEDLE VALVE MCP-G	ANY TA BE ANA 7. COVER 8. ENGINE ALONG 9. GEOLOO DETERM ARE REC 10. DEPTH O SOIL RE 11. VERTICA APPROV 12. GEOLOO DETERM	SIGNED TANK I NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFIL SIDES AND BO GIST OR GEOTE MINE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FIL YED BY LOCAL GIST OR GEOTE MINE IF CORRO D BE USED IN A	BURIAL DEPTH IS 2FT TO 6F YOND THAT RANGE MUST DCAL DESIGN ENGINEER IUM OF 2FT. L TO BE A MINIMUM OF 12" TTOM OF TANK CHNICAL ENGINEER TO RS AND TEXTILE FILTER CUT PER LOCAL CODE OR LL HEIGHT CAN BE DONE IF CODE OR SOIL ENGINEER CH ENGINEER SHOULD SIVE RESISTANT MATERIAL NY STEEL PARTS EXPOSED
OPTIONAL	DRAWN:	DATE:	JOB NUMBER:
SALCOR 3G	AJM	2/10/21	ES12
		REV	 VISION:
	REVISION:	DATE: BY:	DESCRIPTION:
		SITE INFO	ORMATION:
		ENVIRO VANCED V	12 SERVER WASEWATER NT SYSTEM
		SHEE	T TITLE:
	F	ES12-GRA	V/NV/UV
		SHEET	NUMBER:
SCALE NONE 1		1 C	DF 1

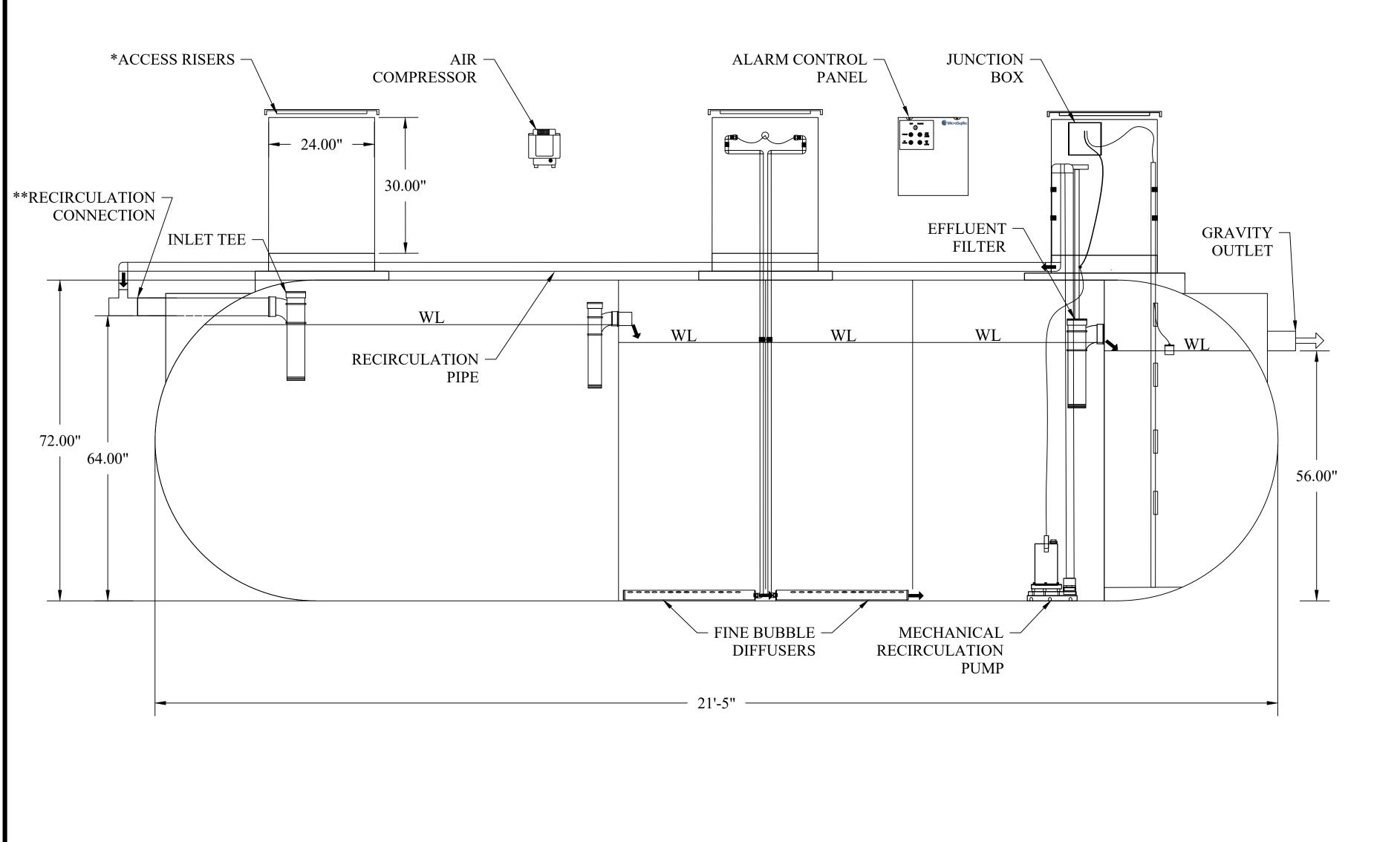
MicroSepTec

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

## **ENVIROSERVER - ES SERIES ES12-GRAV**

**DESCRIPTION:** 

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



NOTES:

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

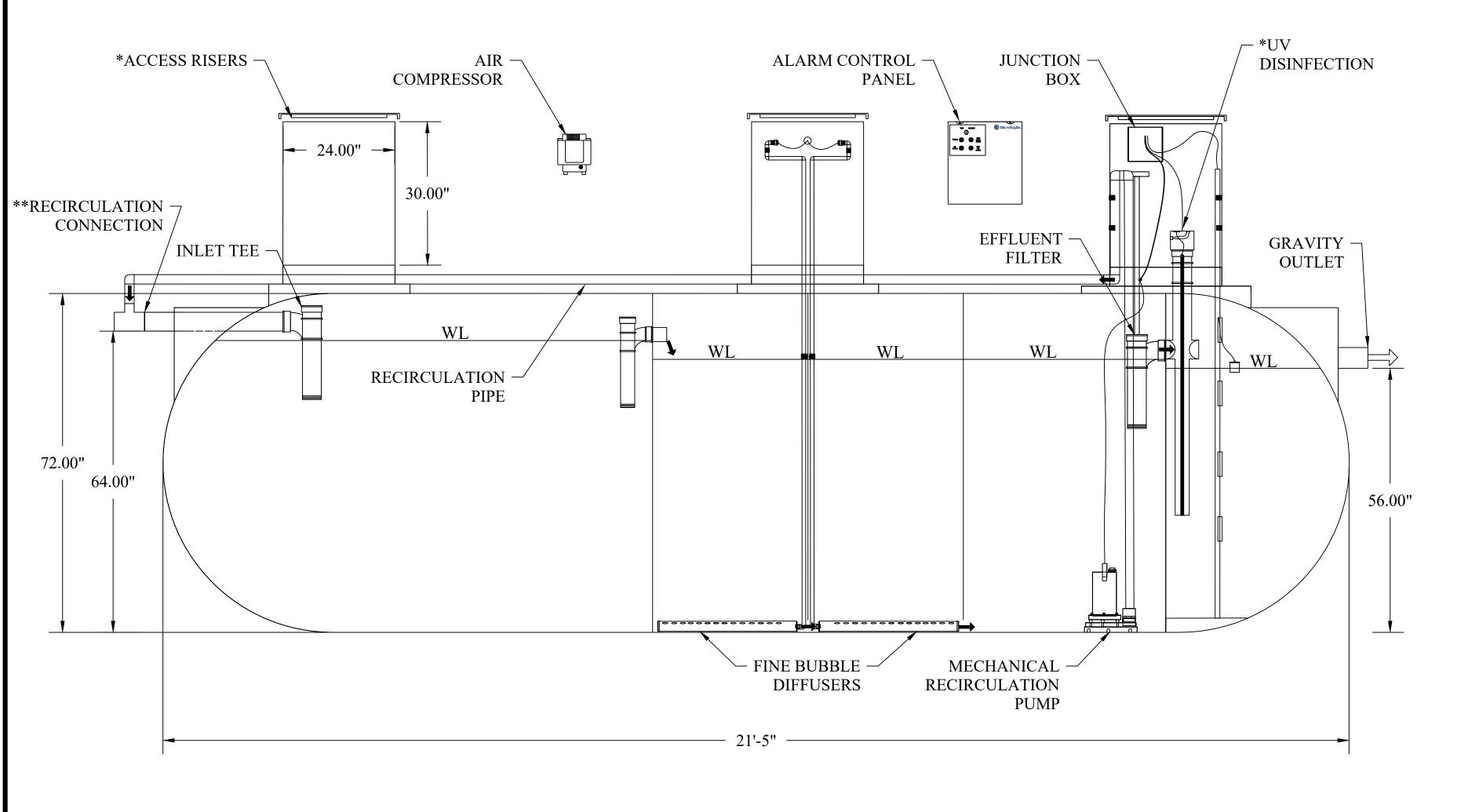
TANK LAYOUT (ELEVATION VIEW)

DESIGN TREATMENT CAPACITY (gpd)
TOTAL TANK CAPACITY (gal)
TOTAL LENGTH
DIAMETER (in.)
INLET HEIGHT (in.)
OUTLET HEIGHT (in.)
BIOMEDIA VOLUME (cu.ft.)
AIR DIFFUSER
AIR COMPRESSOR
RECIRCULATION CONTROL
ALARM CONTROL PANEL
TELEMETRY

V/MRP	3 MO 1(877)-4	1 AFFON UND HOU SEPTIC	<b>SO DRIVE</b> JSE, NV 89706 [1(877)473-7842] DSEPTEC.COM
ENDED GROWTH		NO	TES
	BE PUM GROUNI 2. RISERS MICROS 3. PLUMBI TANK TO 4. CONTRA PLUMBI THAN 4H 5. SITE-SPH NOT LIM OTHER I GROUNI SHOULE	PED DRY, ESPE DWATER CONE AND RISER AD EPTEC NG DIMENSION O INVERT OF IN ACTOR TO PRO NG FOR ANY B FT ECIFIC CHARAG (ITED TO: BUR EXTERNAL LO. DWATER, AND D BE CONFIRMI ER BEFORE INS	APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL SURIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN
1200         3650         21'-5"         72         64         56         40         2-EDI FINE BUBBLE         2-HIBLOW 120LL         MECHANICAL         MCPR-G	ANY TA BE ANA 7. COVER 8. ENGINE ALONG 9. GEOLOO DETERM ARE REC 10. DEPTH O SOIL RE 11. VERTICA APPROV 12. GEOLOO DETERM	NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFII SIDES AND BO GIST OR GEOTE MINE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FI TED BY LOCAL GIST OR GEOTE MINE IF CORRO D BE USED IN A	BURIAL DEPTH IS 2FT TO 6FT YOND THAT RANGE MUST OCAL DESIGN ENGINEER IUM OF 2FT. L TO BE A MINIMUM OF 12" TTOM OF TANK CCHNICAL ENGINEER TO PRS AND TEXTILE FILTER CUT PER LOCAL CODE OR LL HEIGHT CAN BE DONE IF CODE OR SOIL ENGINEER CCH ENGINEER SHOULD SIVE RESISTANT MATERIAL NY STEEL PARTS EXPOSED
OPTIONAL	DRAWN:	DATE:	JOB NUMBER:
	AJM	2/10/21	ES12
		RE <sup>v</sup> DATE:	VISION:
	REVISION:	BY:	DESCRIPTION:
			-
			-
		SITE INFO	ORMATION:
		ENVIRO 'ANCED ' REATMEN	12 SERVER WASEWATER NT SYSTEM T TITLE:
		ES12-GR	
		SHEET	NUMBER:
SCALE 1		1 C	DF 1
NONE 1			

# **ENVIROSERVER - ES SERIES ES12-GRAV/MRP/UV**

**DESCRIPTION:** 



NOTES:

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

TANK LAYOUT (ELEVATION VIEW)

#### 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

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-G
TELEMETRY	OPTIONAL
DISINFECTION	SALCOR 3G

	Місг	oSepTec
MOU 1(877)-4	UND HOU SEPTIC	SO DRIVE USE, NV 89706 [1(877)473-7842] DSEPTEC.COM
	NO	TES
BE PUMI GROUNI 2. RISERS A MICROS 3. PLUMBI TANK TO 4. CONTRA PLUMBI THAN 4F 5. SITE-SPE NOT LIM OTHER F GROUNI SHOULD ENGINEI TANK BURIAL 6. THE DES ANY TAI BE ANAI 7. COVER T 8. ENGINEI ALONG 3 9. GEOLOG DETERM ARE REC 10. DEPTH O SOIL REI 11. VERTICA APPROV 12. GEOLOG DETERM	PED DRY, ESPE DWATER COND AND RISER ADA EPTEC NG DIMENSION D INVERT OF IN ACTOR TO PROV NG FOR ANY B T ECIFIC CHARAC IITED TO: BURI EXTERNAL LOA DWATER, AND D BE CONFIRME ER BEFORE INS CONFIRME ER BEFORE INS CONFINITED FOR A MINIM ERED BACKFIL SIDES AND BOT FOR GEOTE INE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FII ED BY LOCAL SIST OR GEOTE INE IF CORROS D BE USED IN A	APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN STALLATION BURIAL DEPTH IS 2FT TO 6FT YOND THAT RANGE MUST DCAL DESIGN ENGINEER
DRAWN:	DATE:	JOB NUMBER:

	REV	/ISION:
REVISION:	DATE:	DESCRIPTION:
	BY:	

SITE INFORMATION:

ES 12 ENVIROSERVER ADVANCED WASEWATER TREATMENT SYSTEM

SHEET TITLE:

ES12-GRAV/MRP/UV

#### SHEET NUMBER:

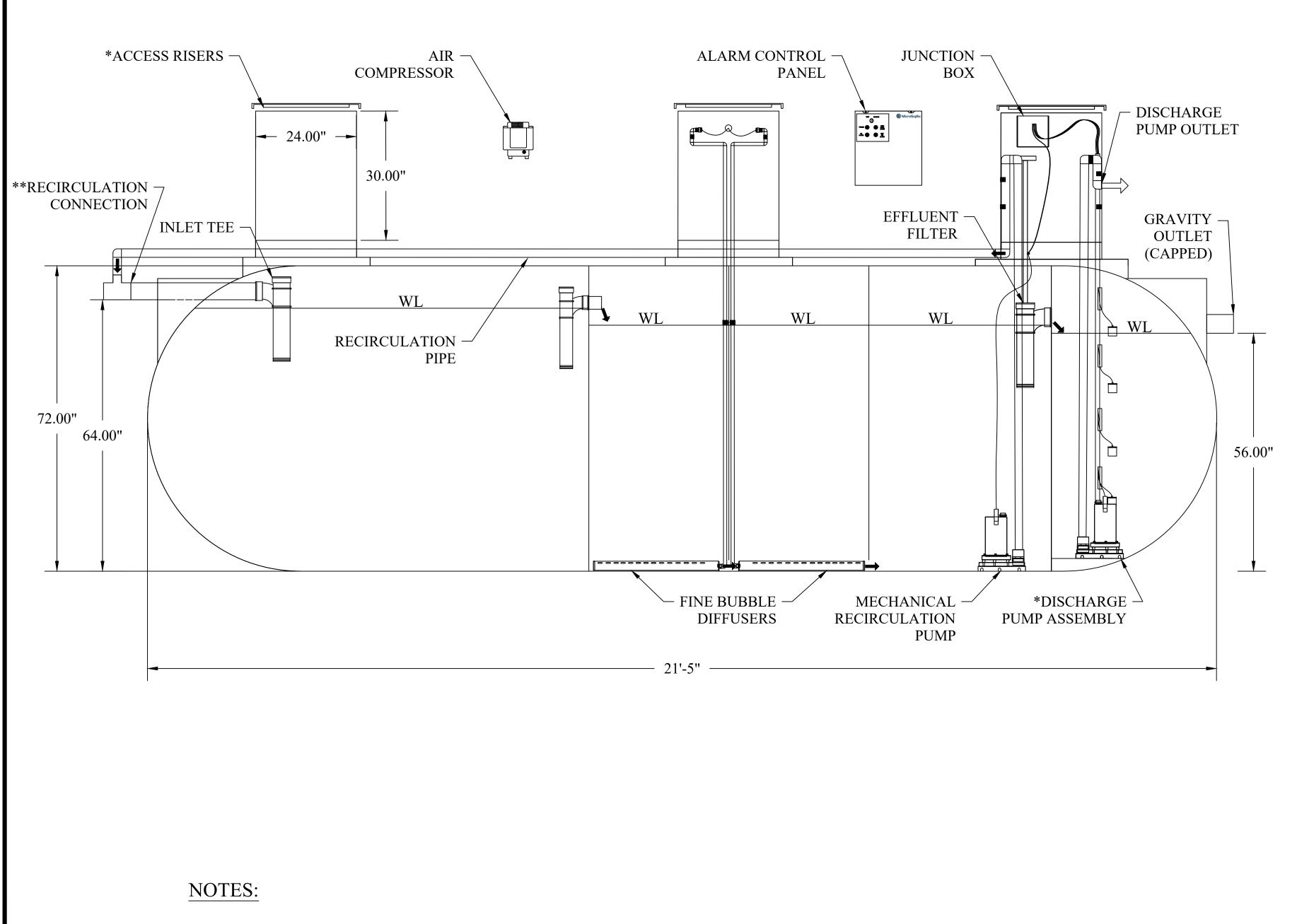
1 OF 1

S C A L E	1
NONE	I

### **ENVIROSERVER - ES SERIES ES12-PUMP/MRP**

**DESCRIPTION:** 

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



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

TANK LAYOUT (ELEVATION VIEW)

	DESIGN TREATMENT CAPACITY (gpd)
	TOTAL TANK CAPACITY (gal)
	TOTAL LENGTH
	DIAMETER (in.)
	INLET HEIGHT (in.)
	OUTLET HEIGHT (in.)
	BIOMEDIA VOLUME (cu.ft.)
	AIR DIFFUSER
	AIR COMPRESSOR
	<b>RECIRCULATION CONTROL</b>
	ALARM CONTROL PANEL
	TELEMETRY
S	DISCHARGE PUMP

	WWV	W.MICRO	SEPTEC.COM
NDED GROWTH		NO	TES
1200         3650         21'-5"         72         64         56         40         2-EDI FINE BUBBLE         2-HIBLOW 120LL         MECHANICAL         MCPR-DP	BE PUMI GROUNI2.RISERS A MICROS3.PLUMBII TANK TO4.CONTRA PLUMBII THAN 4F5.SITE-SPE NOT LIM OTHER F GROUNI SHOULD ENGINEITANK BURIAL 6.THE DES ANY TAI BE ANAI7.COVER 78.ENGINEI ALONG S9.GEOLOG DETERM ARE REC10.DEPTH O SOIL REI 11.11.VERTICA APPROV12.GEOLOG DETERM	PED DRY, ESPE DWATER COND AND RISER AD. EPTEC NG DIMENSION D INVERT OF IN CTOR TO PRO' NG FOR ANY B T ECIFIC CHARAC ITED TO: BUR EXTERNAL LOA DWATER, AND D BE CONFIRME ER BEFORE INS EXTERNAL LOA DWATER, AND D BE CONFIRME ER BEFORE INS SIGNED TANK H NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFIL SIDES AND BO' GIST OR GEOTE INE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FII ED BY LOCAL GIST OR GEOTE INE IF CORROS D BE USED IN A	APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN STALLATION BURIAL DEPTH IS 2FT TO 6FT. YOND THAT RANGE MUST DCAL DESIGN ENGINEER
OPTIONAL	DRAWN:	DATE:	JOB NUMBER:
SIMPLEX OR DUPLEX	AJM	2/10/21	ES12
			/ISION:
	REVISION:	DATE: BY:	DESCRIPTION:
		SITE INFO	DRMATION:
		ENVIRO ANCED V	12 SERVER WASEWATER NT SYSTEM
		SHEE	T TITLE:
		ES12-PU	
		SHEET	NUMBER:
SCALE NONE 1		1 C	DF 1

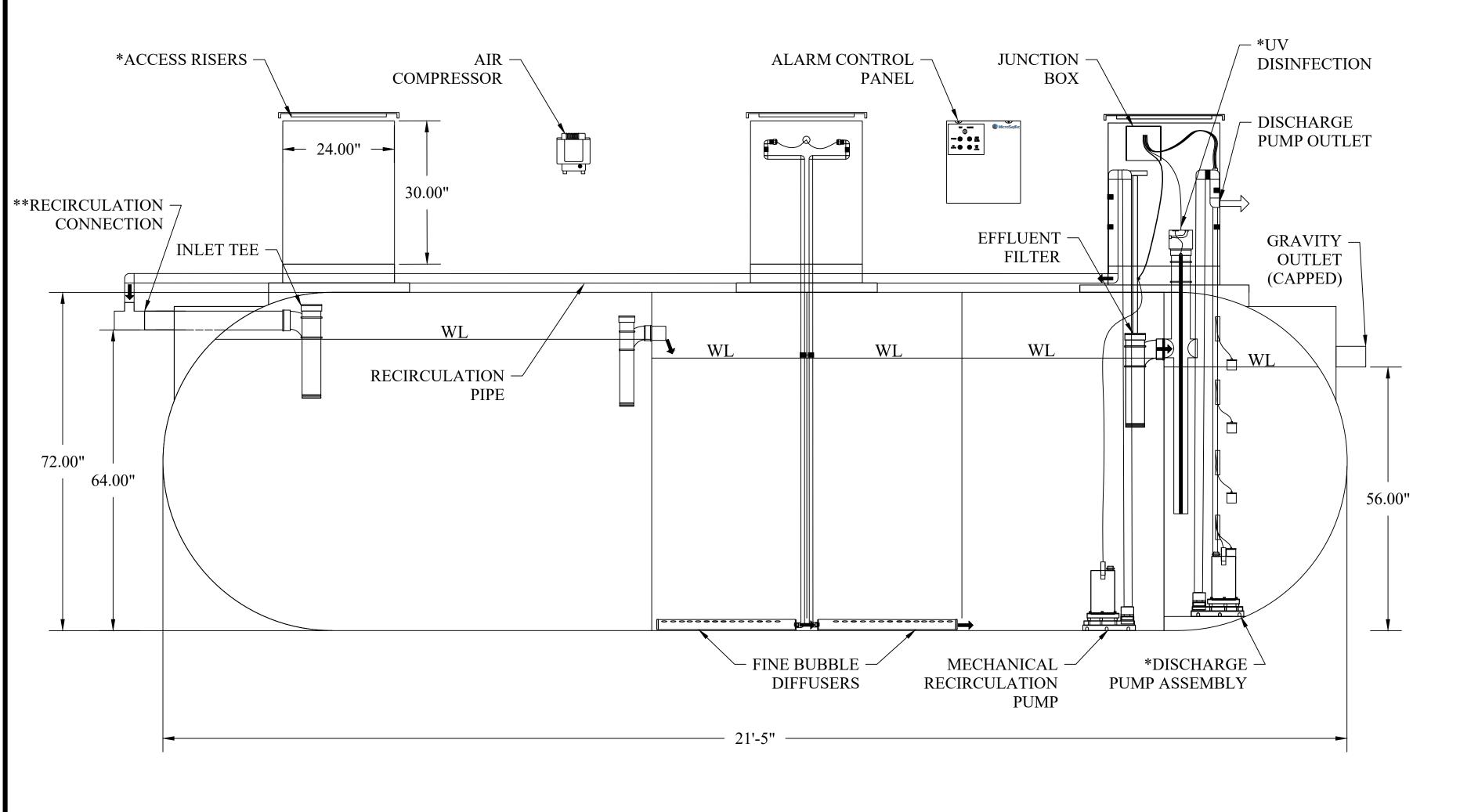
MicroSepTec

31 AFFONSO DRIVE

MOUND HOUSE, NV 89706 1(877)-4SEPTIC [1(877)473-7842]

### **ENVIROSERVER - ES SERIES ES12-PUMP**

**DESCRIPTION:** 



NOTES:

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

TANK LAYOUT (ELEVATION VIEW)

#### 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

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

		oSepTec
MOU 1(877)-4	UND HOU SEPTIC	SO DRIVE JSE, NV 89706 [1(877)473-7842] DSEPTEC.COM
	NO	TES
BE PUMI GROUNI 2. RISERS A MICROS 3. PLUMBI TANK TO 4. CONTRA PLUMBI THAN 4F 5. SITE-SPF NOT LIM OTHER F GROUNI SHOULD ENGINE TANK BURIAL 6. THE DES ANY TA BE ANAI 7. COVER 7 8. ENGINE ALONG 3 9. GEOLOC DETERM ARE REC 10. DEPTH C SOIL REI 11. VERTICA APPROV 12. GEOLOC DETERM	PED DRY, ESPE DWATER COND AND RISER ADA EPTEC NG DIMENSION D INVERT OF IN ACTOR TO PROV NG FOR ANY B T ECIFIC CHARAC (IITED TO: BURI EXTERNAL LOA DWATER, AND D BE CONFIRME ER BEFORE INS D BE CONFIRME ER BEFORE INS SIGNED TANK F NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFIL SIDES AND BO GIST OR GEOTE (INE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FII ED BY LOCAL GIST OR GEOTE (INE IF CORROS) D BE USED IN AND	APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN STALLATION BURIAL DEPTH IS 2FT TO 6FT YOND THAT RANGE MUST DCAL DESIGN ENGINEER
DRAWN:	DATE:	JOB NUMBER:
AJM	2/10/21	ES12
	REV	/ISION:
REVISION:	DATE: BY:	DESCRIPTION:
	SITE INFO	ORMATION:

ES12-PUMP/MRP/UV

#### SHEET NUMBER:

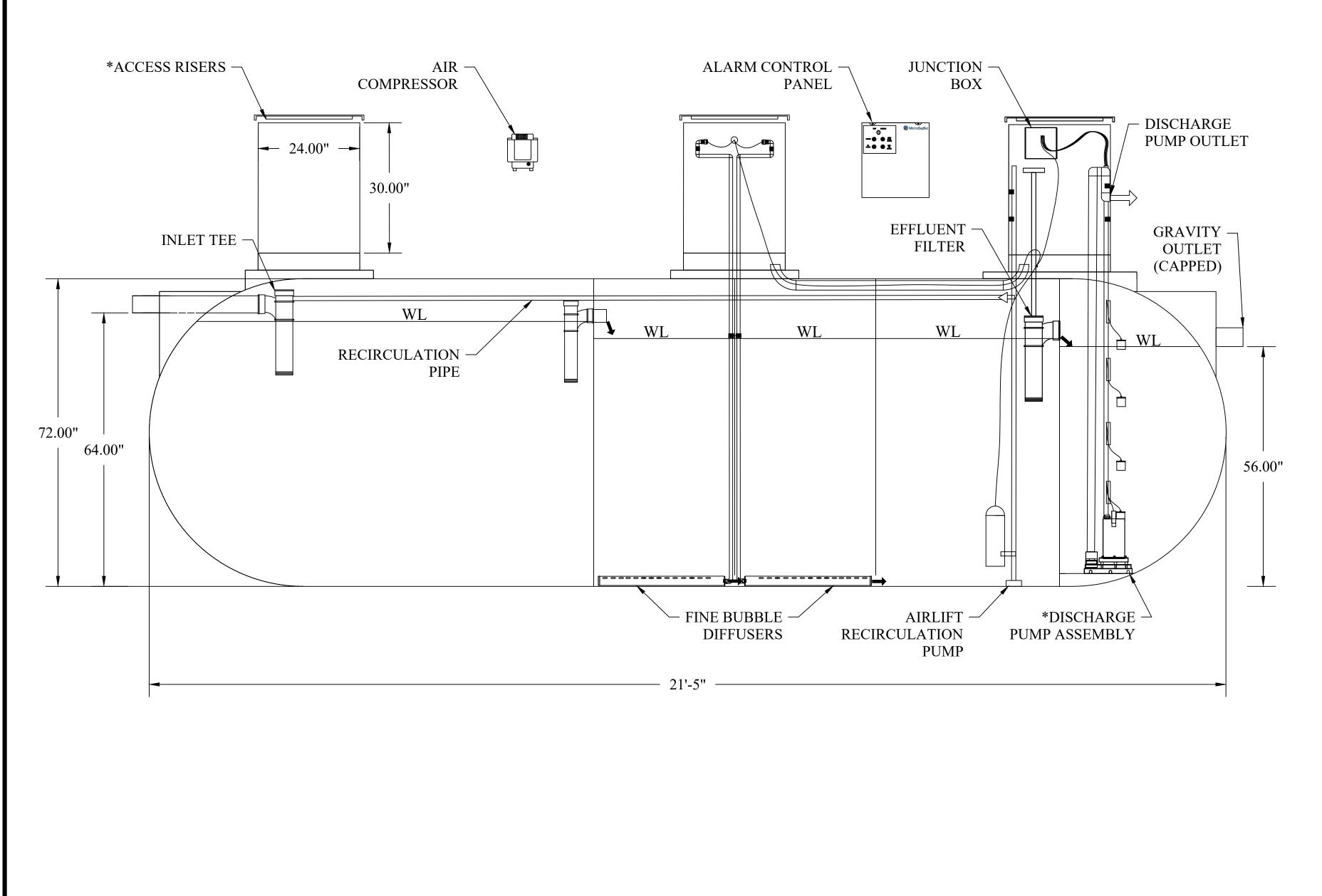
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S C A L E
NONE

## **ENVIROSERVER - ES SERIES ES12-PUMI**

**DESCRIPTION:** 

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



#### NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

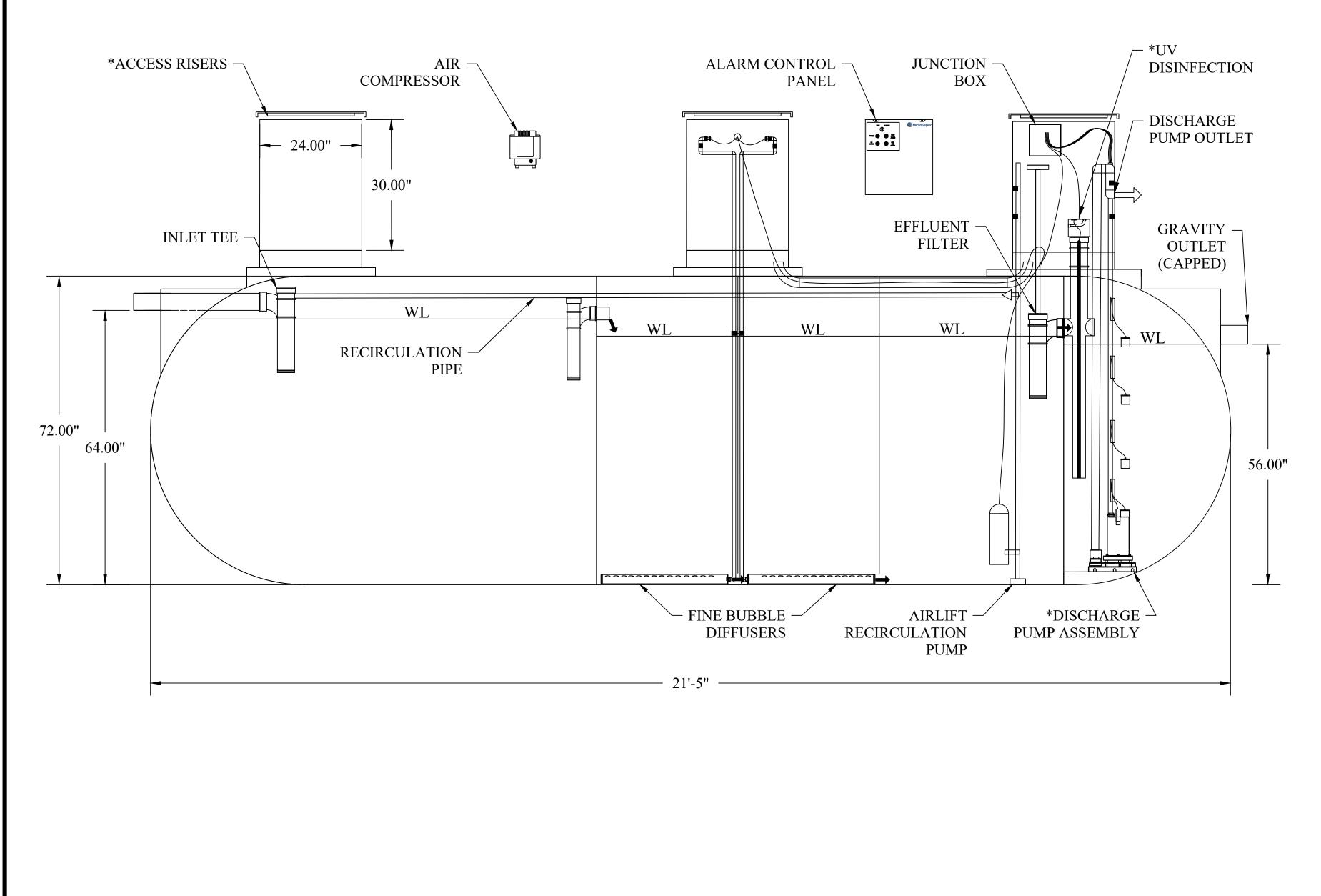
	DESIGN TREATMENT CAPACITY (gpd)
	TOTAL TANK CAPACITY (gal)
	TOTAL LENGTH
	DIAMETER (in.)
	INLET HEIGHT (in.)
	OUTLET HEIGHT (in.)
	BIOMEDIA VOLUME (cu.ft.)
	AIR DIFFUSER
	AIR COMPRESSOR
	<b>RECIRCULATION CONTROL</b>
	ALARM CONTROL PANEL
	TELEMETRY
<b>K</b>	DISCHARGE PUMP

P/SOL				3 MOU 1(877)-4	1 AFFON UND HOU SEPTIC	<b>SO DRIVE</b> SO DRIVE SE, NV 89706 [1(877)473-7842 SEPTEC.COM
PENDED GROWTH				BE PUM GROUNI	PED DRY, ESPE OWATER COND AND RISER ADA	IAMBERS SHOULD NEVER CIALLY IN HIGH
				TANK TO 4. CONTRA PLUMBI THAN 4H 5. SITE-SPH NOT LIM OTHER I GROUNI SHOULD ENGINE TANK BURIAL 6. THE DES ANY TA BE ANA 7. COVER 7 8. ENGINE ALONG 9. GEOLOO DETERM	O INVERT OF IN ACTOR TO PROV NG FOR ANY B T ECIFIC CHARAC MITED TO: BURI EXTERNAL LOA OWATER, AND S O BE CONFIRME ER BEFORE INS SIGNED TANK E NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFIL SIDES AND BO GIST OR GEOTE MINE IF ANCHO	BURIAL DEPTH IS 2FT TO 6 YOND THAT RANGE MUS DCAL DESIGN ENGINEER
<ul> <li>1200</li> <li>3650</li> <li>21'-5"</li> <li>72</li> <li>64</li> <li>56</li> <li>40</li> <li>2-EDI FINE BUBB</li> <li>2-HIBLOW 120L</li> <li>SOLENOID</li> <li>MCDB, DB</li> </ul>				SOIL RE 11. VERTICA APPROV 12. GEOLOC DETERM	OF SOIL SLOPE PORT AL CUT FOR FII 'ED BY LOCAL GIST OR GEOTE INE IF CORROS D BE USED IN AI	CUT PER LOCAL CODE OR LL HEIGHT CAN BE DONE I CODE OR SOIL ENGINEER CH ENGINEER SHOULD SIVE RESISTANT MATERIA NY STEEL PARTS EXPOSEI
MCPR-DP OPTIONAL				DRAWN:	DATE:	JOB NUMBER:
SIMPLEX OR DUP	LEX		-	AJM	2/10/21	ES12
				REVISION:	REV DATE: BY:	/ISION: DESCRIPTION:
			-			
					SITE INFO	DRMATION:
					SHEE ES12-PU	T TITLE:
					SHEET	NUMBER:
	S C A L E NONE	1			1 0	PF 1

## **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



NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

DESIGN TREATMENT CAPACITY (gpd)	
TOTAL TANK CAPACITY (gal)	
TOTAL LENGTH	
DIAMETER (in.)	
INLET HEIGHT (in.)	
OUTLET HEIGHT (in.)	
BIOMEDIA VOLUME (cu.ft.)	
AIR DIFFUSER	
AIR COMPRESSOR	
RECIRCULATION CONTROL	
ALARM CONTROL PANEL	
TELEMETRY	
DISCHARGE PUMP	
DISINFECTION	

1200         3650         21'-5"         72         64         56         40         2-EDI FINE BUBBLE         2-HIBLOW 120LL         SOLENOID         MCPR-DP	<ul> <li>GENERAL: <ol> <li>THE MIDDLE THREE CHAMBERS SHOULD NEVER BE PUMPED DRY, ESPECIALLY IN HIGH GROUNDWATER CONDITIONS</li> <li>RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC</li> <li>PLUMBING DIMENSIONS FROM OUTSIDE EDGE OF TANK TO INVERT OF INLET AND OUTLET</li> <li>CONTACTOR TO PROVIDE ADDITIONAL PLUMBING FOR ANY BURIAL DEPTH GREATER THAN 4FT</li> <li>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</li> </ol> </li> <li>TANK BURIAL: <ol> <li>THE DESIGNED TANK BURIAL DEPTH IS 2FT TO 6FT. ANY TANK BURIED BEYOND THAT RANGE MUST BE ANALYZED BY A LOCAL DESIGN ENGINEER</li> <li>COVER TO BE A MINIMUM OF 2FT.</li> <li>ENGINEERED BACKFILL TO BE A MINIMUM OF 12" ALONG SIDES AND BOTTOM OF TANK</li> <li>GEOLOGIST OR GEOTECHNICAL ENGINEER TO DETERMINE IF ANCHORS AND TEXTILE FILTER ARE REQUIRED.</li> <li>DEPTH OF SOIL SLOPE CUT PER LOCAL CODE OR SOIL REPORT</li> <li>VERTICAL CUT FOR FILL HEIGHT CAN BE DONE IF APPROVED BY LOCAL CODE OR SOIL ENGINEER</li> <li>GEOLOGIST OR GEOTECH NERSERS SHOULD DETERMINE IF CORROSIVE RESISTANT MATERIAL SHOULD BE USED IN ANY STEEL PARTS EXPOSED IN THE SOIL</li> </ol></li></ul>				
OPTIONAL	DRAWN:	DATE:	JOB NUMBER:		
SIMPLEX OR DUPLEX SALCOR 3G	AJM	2/10/21	ES12		
		REV	/ISION:		
	REVISION:	DATE: BY:	DESCRIPTION:		
	[	SITE INFO	DRMATION:		
	ES 12 ENVIROSERVER ADVANCED WASEWATER TREATMENT SYSTEM				
		SHEE	T TITLE:		
	ES12-PUMP/SOL/UV				
	L	SHEET	NUMBER:		
SCALE 1		1 C	DF 1		
NONE					

MicroSepTec

**31 AFFONSO DRIVE** MOUND HOUSE, NV 89706

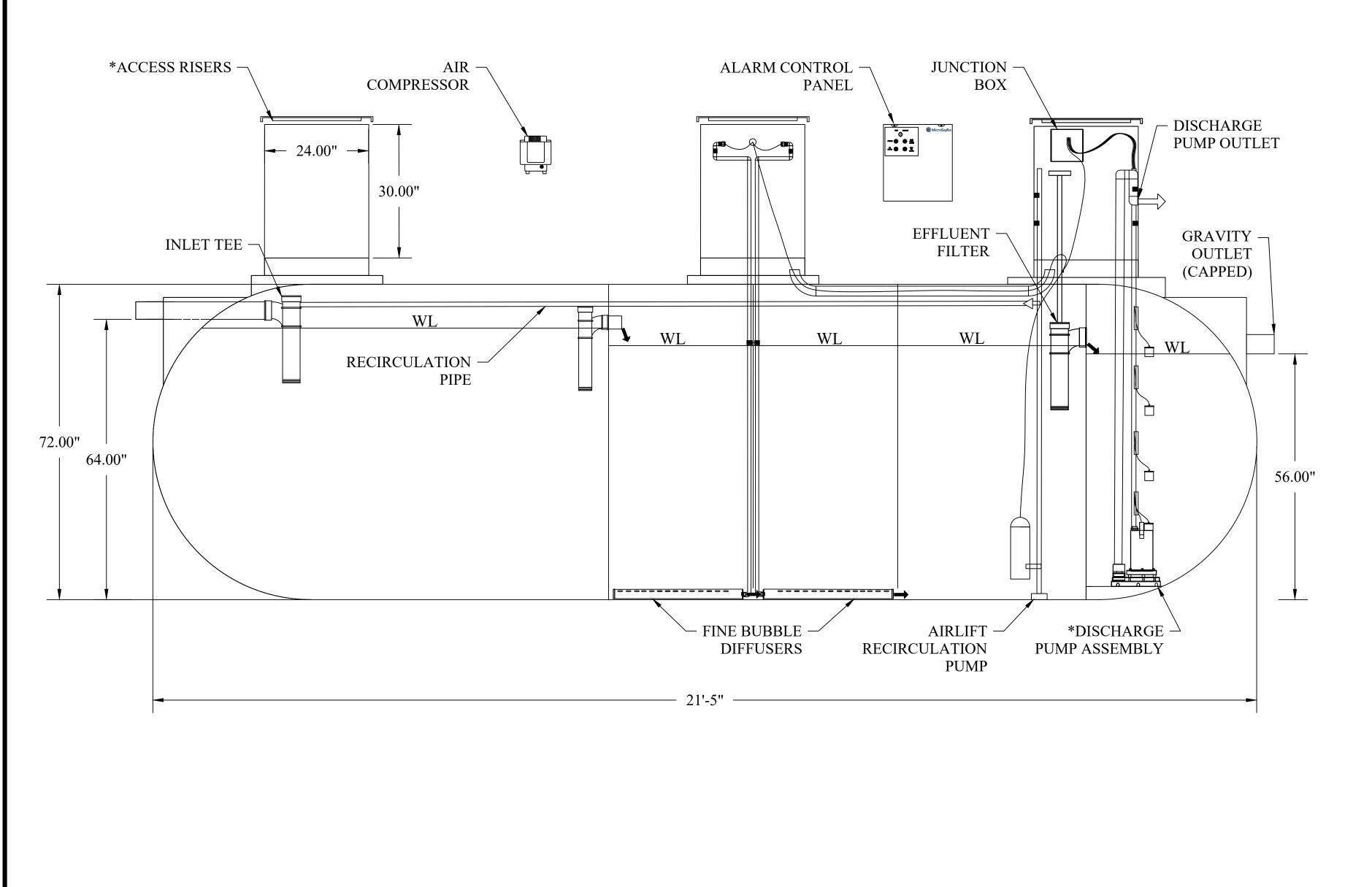
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NOTES

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

**DESCRIPTION:** 

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



NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

DESIGN TREATMENT CAPACITY (gpd)
TOTAL TANK CAPACITY (gal)
TOTAL LENGTH
DIAMETER (in.)
INLET HEIGHT (in.)
OUTLET HEIGHT (in.)
BIOMEDIA VOLUME (cu.ft.)
AIR DIFFUSER
AIR COMPRESSOR
<b>RECIRCULATION CONTROL</b>
ALARM CONTROL PANEL
TELEMETRY
DISCHARGE PUMP

			[1(877)473-7842] SEPTEC.COM	
	NOTES			
NDED GROWTH	<ul> <li>GENERAL:</li> <li>1. THE MIDDLE THREE CHAMBERS SHOULD NEVER BE PUMPED DRY, ESPECIALLY IN HIGH GROUNDWATER CONDITIONS</li> <li>2. RISERS AND RISER ADAPTERS NOT SUPPLIED BY MICROSEPTEC</li> <li>3. PLUMBING DIMENSIONS FROM OUTSIDE EDGE OF TANK TO INVERT OF INLET AND OUTLET</li> <li>4. CONTRACTOR TO PROVIDE ADDITIONAL PLUMBING FOR ANY BURIAL DEPTH GREATER THAN 4FT</li> <li>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</li> </ul>			
1200 3650 21'-5" 72 64 56 40 2-EDI FINE BUBBLE 2-HIBLOW 120LL NEEDLE VALVE	ANY TA BE ANA 7. COVER 8. ENGINE ALONG 9. GEOLOO DETERM ARE REC 10. DEPTH O SOIL RE 11. VERTICA APPROV 12. GEOLOO DETERM	SIGNED TANK H NK BURIED BE LYZED BY A LO TO BE A MINIM ERED BACKFIL SIDES AND BO GIST OR GEOTE (INE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FIL (ED BY LOCAL GIST OR GEOTE (INE IF CORROS) DE USED IN A	BURIAL DEPTH IS 2FT TO 6FT. YOND THAT RANGE MUST OCAL DESIGN ENGINEER IUM OF 2FT. L TO BE A MINIMUM OF 12" TTOM OF TANK CHNICAL ENGINEER TO RS AND TEXTILE FILTER CUT PER LOCAL CODE OR LL HEIGHT CAN BE DONE IF CODE OR SOIL ENGINEER CH ENGINEER SHOULD SIVE RESISTANT MATERIAL NY STEEL PARTS EXPOSED	
MCPR-DP OPTIONAL	DRAWN:	DATE:	JOB NUMBER:	
SIMPLEX OR DUPLEX	AJM	2/10/21	ES12	
	AJM			
	DELUGION	REV DATE:	VISION:	
	REVISION:	BY:	DESCRIPTION:	
	SITE INFORMATION: ES 12 ENVIROSERVER ADVANCED WASEWATER TREATMENT SYSTEM			
		SHEE	T TITLE:	
	ES12-PUMP/NV			
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SCALE NONE 1	1 OF 1			
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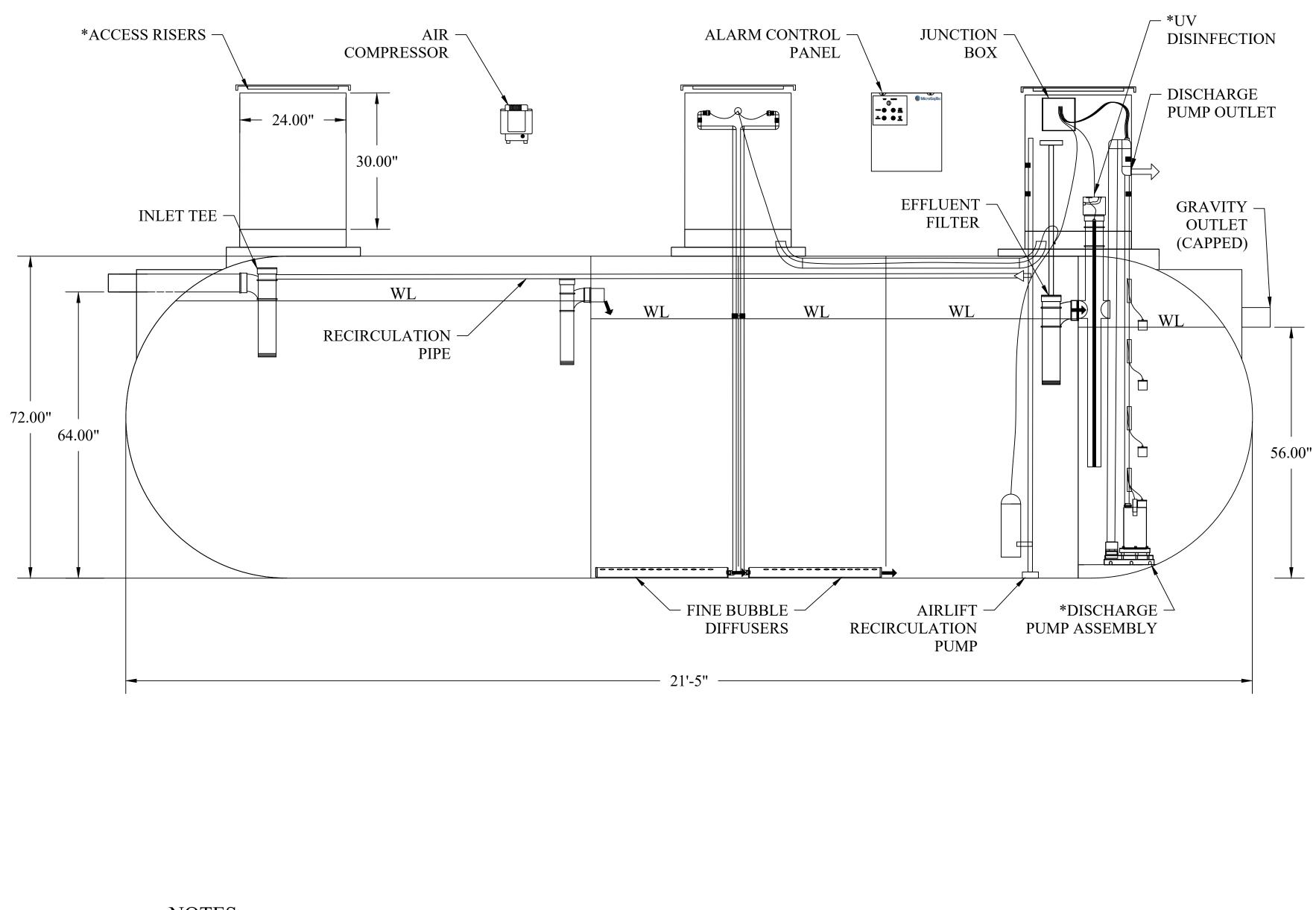
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**31 AFFONSO DRIVE** MOUND HOUSE, NV 89706

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

**DESCRIPTION:** 

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



NOTES:

\*MATERIALS NOT SUPPLIED BY MICROSEPTEC

TANK LAYOUT (ELEVATION VIEW)

DESIGN TREATMENT CAPACITY (gpd)	
TOTAL TANK CAPACITY (gal)	
TOTAL LENGTH	
DIAMETER (in.)	
INLET HEIGHT (in.)	
OUTLET HEIGHT (in.)	
BIOMEDIA VOLUME (cu.ft.)	
AIR DIFFUSER	
AIR COMPRESSOR	
RECIRCULATION CONTROL	
ALARM CONTROL PANEL	
TELEMETRY	
DISCHARGE PUMP	
DISINFECTION	

NDED GROWTH		NO	TES	
1200 3650 21'-5" 72 64 56 40 2-EDI FINE BUBBLE 2-HIBLOW 120LL	BE PUM GROUNI2.RISERS J MICROS3.PLUMBI TANK TO4.CONTRA PLUMBI THAN 4H5.SITE-SPH NOT LIM OTHER I GROUNI SHOULD ENGINETANK BURIAL 6.THE DES ANY TA BE ANAL7.COVER TO SOIL RE ALONG9.GEOLOO DETERM ARE RED10.DEPTH O SOIL RE 11.11.VERTICA APPROV12.GEOLOO DETERM	PED DRY, ESPE DWATER CONE AND RISER AD. EPTEC NG DIMENSION O INVERT OF IN ACTOR TO PRO' NG FOR ANY B FT ECIFIC CHARAG (ITED TO: BUR EXTERNAL LO/ DWATER, AND D BE CONFIRME ER BEFORE INS CONFIRME ER BEFORE INS CONFIRME FOR A MINIM ERED BACKFIL SIDES AND BO' GIST OR GEOTE MINE IF ANCHO QUIRED. DF SOIL SLOPE PORT AL CUT FOR FIL CONFIRME CONFIRM	APTERS NOT SUPPLIED BY NS FROM OUTSIDE EDGE OF NLET AND OUTLET VIDE ADDITIONAL URIAL DEPTH GREATER CTERISTICS INCLUDING BUT IAL DEPTH, TRAFFIC OR ADING, SEASONAL SOIL CHARACTERISTICS ED WITH A LOCAL DESIGN STALLATION BURIAL DEPTH IS 2FT TO 6FT. YOND THAT RANGE MUST DCAL DESIGN ENGINEER	
NEEDLE VALVE				
MCPR-DP				
OPTIONAL	DRAWN:	DATE:	JOB NUMBER:	
SIMPLEX OR DUPLEX SALCOR 3G	AJM	2/10/21	ES12	
	REVISION:			
	<b>REVISION:</b>	DATE: BY:	DESCRIPTION:	
		SITE INFO	DRMATION:	
	ES 12 ENVIROSERVER ADVANCED WASEWATER TREATMENT SYSTEM			
		SHEE	T TITLE:	
	ES12-PUMP/NV/UV			
		SHEET	NUMBER:	
SCALE NONE 1		1 C	)F 1	

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