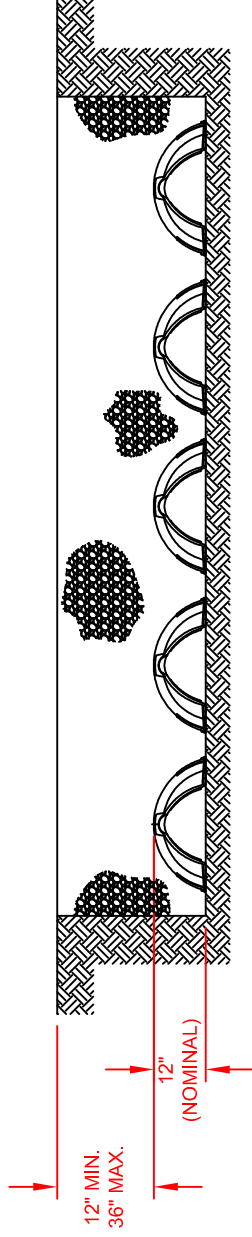


# ARC 36 Leaching Chambers

Manufactured by:  
Advanced Drainage Systems, Inc. (ADS)  
4640 Trueman Boulevard  
Hilliard, OH 43026  
PH: (614) 658-0050  
Fax: (614) 650-0204



# ARC 36 SEPTIC DISPOSAL SYSTEM BED SYSTEM



## NOTES:

1. EXCAVATE AND LEVEL INSTALLATION AREAS.
2. SCARIFY SURFACE TO REMOVE ANY SMEARING CAUSED DURING EXCAVATION.
3. INSTALL ARC 36 LEACHING CHAMBERS IN ADJACENT ROWS TO COVER DESIRED AREA.
4. INSTALL UNIVERSAL END CAP AND SECURE IN PLACE WITH BACKFILL.
5. INSTALL 4" PIPE TO EACH ROW OF ARC 36 CHAMBER USING KNOCKOUTS PROVIDED IN THE UNIVERSAL END CAPS.
6. ENDS OF ROWS MAY BE CONNECTED WITH PIPING TO IMPROVE DISTRIBUTION.
7. FILL PERIMETER AND INTERIOR SIDEWALL AREAS TO TOP OF CHAMBERS AND WALK INTO PLACE.
8. USING A LIGHT TRACKED MACHINE, COVER ARC 36 LEACHING CHAMBERS TO A MINIMUM OF 12" AFTER CONSOLIDATION FOR H-10 APPLICATIONS. AVOID LARGE ROCKS OR DEBRIS IN COVER MATERIAL.

© 2009 ADS, INC.

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

REV.	DESCRIPTION	BY	MMIDDYY	CHK'D
<b>ARC 36 CHAMBER BED SYSTEM INSTALLATION</b>				
DRAWING NUMBER:				
DRAWN BY:	TJR			
DATE:	10/23/09			
CHECK BY:				
SCALE:	NTS			
SHEET:				OF





## Worksheet for ADS ARC 36 Chamber Absorption System

	Unit Count		Quantity		Total	
Water Closets	2 ea	x		=		
Bathtubs	2 ea	x		=		
Showers	2 ea	x		=		
Double Lavs	2 ea	x		=		
Single Lavs	1 ea	x		=		
Kitchen Sink	2 ea	x		=		
Wet Bar	1 ea	x		=		
Clothes Washer	2 ea	x		=		
Laundry Tub	1 ea	x		=		
Veggie Sink	1 ea	x		=		
Bidet	2 ea	x		=		
<b>Septic Tank Cap.</b>				<b>Total Fixture Units</b>	<b>=</b>	

### Leach Field Area Requirements (In Square Feet)

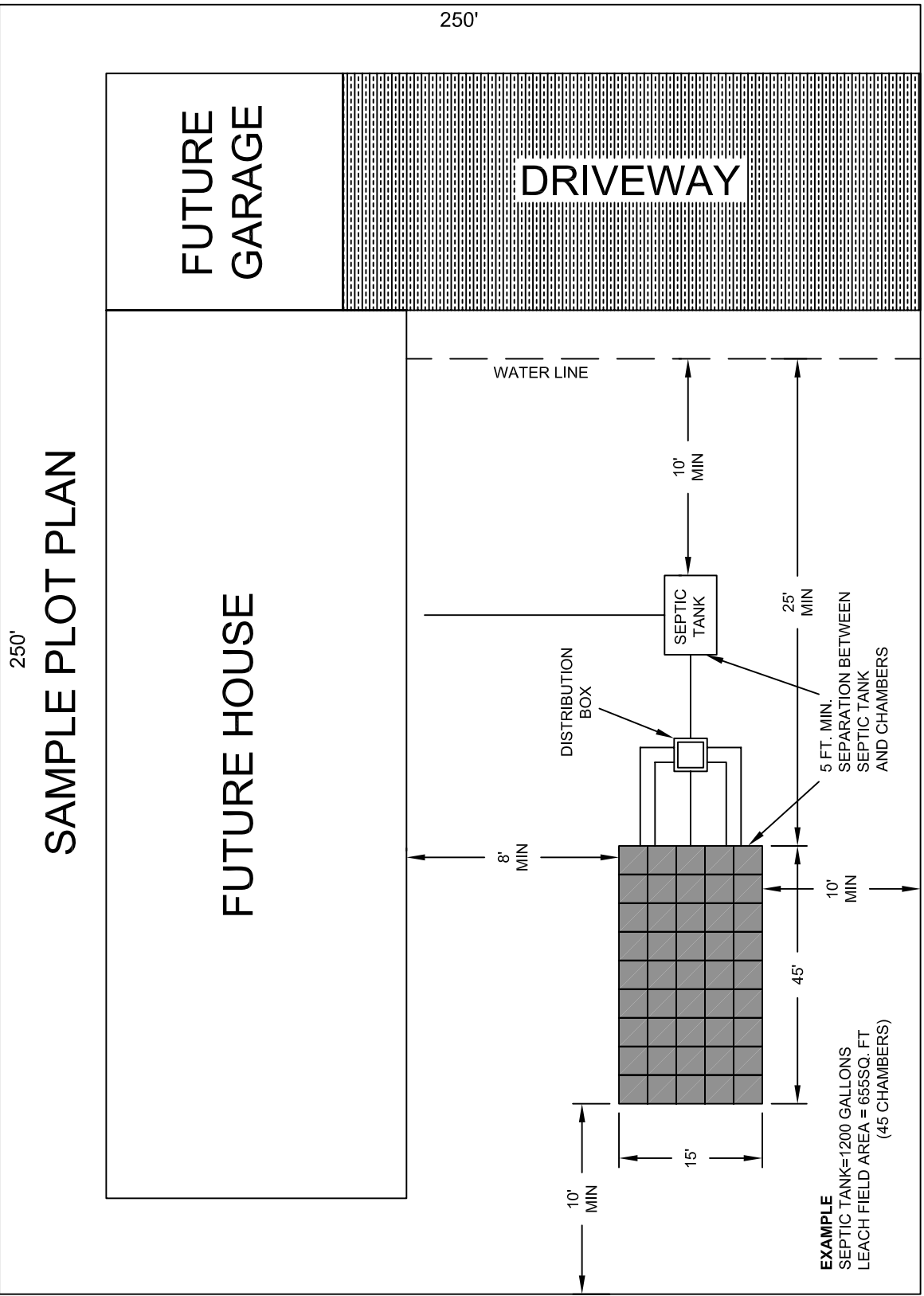
Max Fixture Units Served	Min Septic Tank Capacity	Percolation Rate (min/inch)								
		3	4	5	10	15	30	45	60	
0-20	1000	A	350	400	450	635	775	1100	1345	1550
		B	245	280	315	445	543	770	942	1085
		C	17	19	21	30	37	52	63	73
21-25	1200	A	420	480	540	760	935	1315	1610	1860
		B	294	336	378	532	655	921	1127	1302
		C	20	23	26	36	44	62	75	87
26-35	1500	A	520	600	710	950	1165	1645	2015	2325
		B	364	420	497	665	816	1152	1411	1628
		C	25	28	33	45	55	77	94	109
36-45	2000	A	700	800	900	1272	1550	2200	2690	3100
		B	490	560	630	890	1085	1540	1883	2170
		C	33	38	42	60	73	103	126	145
46-55	2250	A	788	900	1013	1429	1744	2475	3027	3488
		B	552	630	709	1000	1221	1733	2119	2442
		C	37	42	48	67	82	116	142	163
56-60	2500	A	875	1000	1125	1588	1940	2750	3363	3875
		B	613	700	788	1112	1358	1925	2354	2713
		C	41	47	53	74	91	129	157	181
61-70	2750	A	963	1100	1238	1747	2132	3025	3699	4263
		B	674	770	867	1223	1492	2118	2589	2984
		C	45	52	58	82	100	142	173	199
71-80	3000	A	1050	1200	1350	1905	2325	3300	4035	4650
		B	735	840	945	1334	1628	2310	2825	3255
		C	49	56	63	89	109	154	189	217
81-90	3250	A	1138	1300	1463	2064	2519	3575	4371	
		B	797	910	1024	1445	1763	2503	3060	
		C	53	61	69	97	118	167	204	
91-100	3500	A	1225	1400	1575	2223	2713	3850	4708	
		B	858	980	1103	1556	1899	2695	3296	
		C	58	66	74	104	127	180	220	

A = Pipe and Gravel System

B = Plastic Leaching Chambers

C = Minimum number of ADS ARC 36 Chambers (15.0 sq. ft. each). The number of ADS Chambers must be rounded up to allow for equal number of chambers in each row.

# ADS ARC 36 CHAMBER SEPTIC DISPOSAL SYSTEM



**EXAMPLE**  
 SEPTIC TANK=1200 GALLONS  
 LEACH FIELD AREA = 655SQ. FT  
 (45 CHAMBERS)

REV.	DESCRIPTION	BY	MM/DD/YY	CHKD	NOTE: ALL DIMENSIONS ARE ± 1/2 FOOT.
DIA. DET/RET SYSTEM					DESIGNER: AMK
ADS ARC 36					DATE: 12/05/09
DETAIL					DRAWN BY: AMM
DRAWING NUMBER:					CHECKED: NTS
					SHEET: 1 OF 1

4640 TRUEMAN BLVD  
 HILLIARD, OHIO 43026

**ADS**  
 ADVANCED DRAINAGE SYSTEMS, INC.

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.



- Must be drawn to scale (Engineering or Architectural only)
- Shallow ARC 36 Chamber System (4' deep or less from ground surface to bottom of system)
- Each ARC 36 chamber is 3' wide x 5' long or 15 sq. ft /unit
- Must show equal number of chambers in each row
- A distribution box is required with any septic system greater than 2000 gallons or a system utilizing an odd number of leach lines