

(RESIDENTIAL USE ONLY)
BEST MANAGEMENT PRACTICE
SEDIMENT TRAP SIZING SHEET

SEDIMENT TRAP SIZING CRITERIA IS BASED ON:

1. **1:3** RATIO OF SQUARE FEET OF IMPERVIOUS AREA TO CUBIC INCHES OF SEDIMENT TRAP NET STORAGE VOLUME.
2. STORAGE VOLUME OF THE SEDIMENT TRAP MEASURED BELOW THE LOWEST FLOW LINE OF INLET AND OUTLET.
3. ANNUAL SEDIMENT LOAD FOR RESIDENTIAL DRIVEWAYS ASSUMING AN AVERAGE CONCENTRATION OF 300 MG/L.

TO USE THE CHART BELOW, FIND YOUR AREA IN SQUARE FEET OR THE MINIMUM SEDIMENT TRAP STORAGE VOLUME AND SELECT ANY PRODUCT ON THAT LINE OR ON A LINE BELOW. THESE VENDOR'S PRODUCTS ARE NOT ENDORSED BY NRCS AND ARE LISTED FOR INFORMATION ONLY. THE STORAGE VOLUME OF THE PRODUCTS BELOW HAVE ALREADY BEEN CALCULATED.

MAXIMUM CONTRIBUTING SURFACE AREA (SF)	MINIMUM SEDIMENT TRAP STORAGE VOLUME (CU. IN.)	AVAILABLE PRODUCTS	GENERAL DIMENSIONS IN LENGTH X WIDTH X DEPTH OR DIAMETER X DEPTH AND DESCRIPTION
150	450	FERNCO, NDS, ADS, ORBIT, RAINBIRD AND CARSON	10 x 10 ROUND PLASTIC IRRIGATION VALVE BOX
200	600	FERNCO FSD-120-CB-2	12 x 12 x 12 SQUARE PLASTIC CATCH BASIN
		NDS I200	
		INVENTIVE RESOURCES, MODEL WD-ST1	10 x 18 ROUND PLASTIC BASIN
250	750	TUF-TITE MODEL #19413,	11 x 11 x 16 SQUARE PLASTIC DISTRIBUTION BOX
350	1050	CHRISTY B9, N9, V9	
		COOK CONCRETE PRODUCT #14	12 x 18 x 12 RECTANGULAR PRE-CAST CONCRETE UTILITY BOX
		OLD CASTLE V09 DRAIN Box	
400	1200	INVENTIVE RESOURCES, MODEL WD-ST2	16 x 18 ROUND PLASTIC BASIN
		INSERTA-TEE IN VERTICAL PIPE - POLYETHYLENE OR PVC	12 x 18 VERTICAL PIPE WITH INLET/OUTLET PIPE INSERTS
500	1500	FERNCO, NDS, ADS, ORBIT, RAINBIRD AND CARSON	14 x 19 x 12 RECTANGULAR PLASTIC IRRIGATION VALVE BOX
		INSERTA-TEE IN VERTICAL PIPE - POLYETHYLENE OR PVC	12 x 24 VERTICAL PIPE WITH INLET/OUTLET PIPE INSERTS
600	1800	NDS I217 AND I225	12 x 12 x 20 SQUARE PLASTIC CATCH BASIN WITH SUMP ADDED
		INVENTIVE RESOURCES, MODEL WD-ST1	18 x 18 ROUND PLASTIC BASIN
700	2100	ZOELLER 31-0444	18 x 22 ROUND PLASTIC SUMP PUMP BASIN
750	2250	INSERTA-TEE IN VERTICAL PIPE - POLYETHYLENE OR PVC	12 x 30 VERTICAL PIPE WITH INLET/OUTLET PIPE INSERTS
800	2400	INSERTA-TEE IN VERTICAL PIPE - POLYETHYLENE OR PVC	18 x 18 VERTICAL PIPE WITH INLET/OUTLET PIPE INSERTS
1000	3000	FERNCO, NDS, ADS, ORBIT, RAINBIRD AND CARSON	14x19x18 RECTANGULAR PLASTIC IRRIGATION VALVE BOX W/ 6" RISER
		CHRISTY B9, N9, V9	
		COOK CONCRETE PRODUCT #14	12 x 18 x 24 RECTANGULAR PRE-CAST CONCRETE UTILITY BOX- 2 BOXES STACKED
		OLD CASTLE V09 DRAIN Box	
1200	3600	INSERTA-TEE IN VERTICAL PIPE - POLYETHYLENE OR PVC	18 x 24 VERTICAL PIPE WITH INLET/OUTLET PIPE INSERTS
		ADS I524	
		JACKEL SUMP PUMP BASIN SF-22	18 x 24 ROUND PLASTIC SUMP PUMP BASIN
		AK INDUSTRIES AKP30000	
1350	4050	ADS I530	
		ZOELLER 31-0251	18 x 30 ROUND PLASTIC SUMP PUMP BASIN
1650	4950	INSERTA-TEE IN VERTICAL PIPE - POLYETHYLENE OR PVC	18 x 30 VERTICAL PIPE WITH INLET/OUTLET PIPE INSERTS

THIS SPECIFICATION IS BASED ON A REFERENCE TO THE NRCS STANDARD PRACTICE 570-STORMWATER RUNOFF CONTROL. THIS DRAWING IS INTENDED TO ASSIST THE DESIGNER IN PREPARATION OF A COMPLETE SITE SPECIFIC DESIGN, AND IT IS NOT TO REPLACE THE INDEPENDENT JUDGMENT AND ANALYSIS BY A QUALIFIED DESIGNER.

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