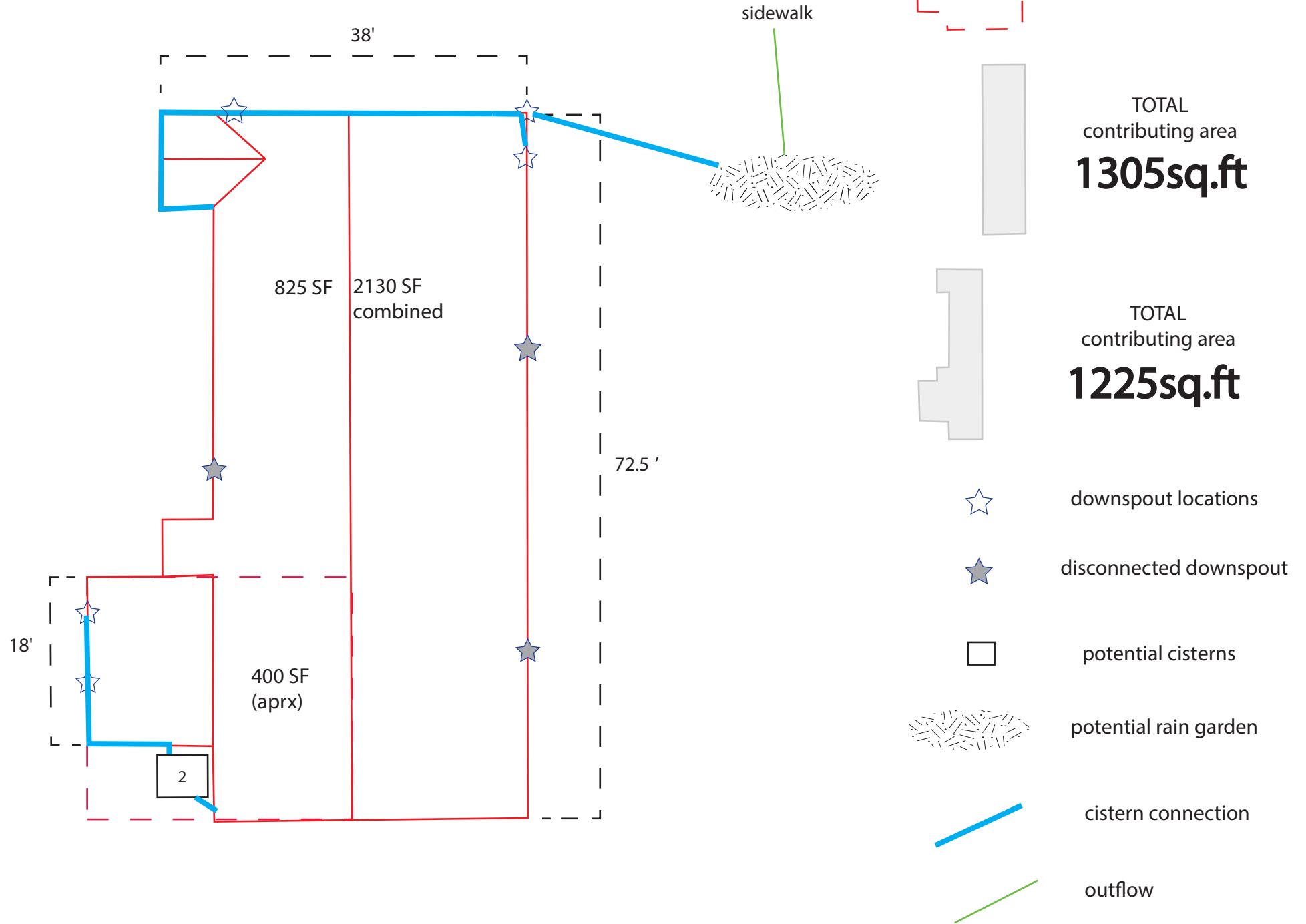


RAINGARDEN 1
 Contributing area 2130 SF
 79 SF
 infil est. >1/hr
 Rebate 100%

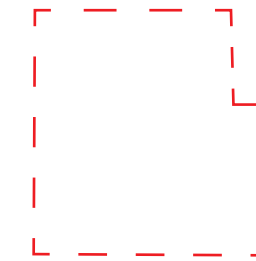
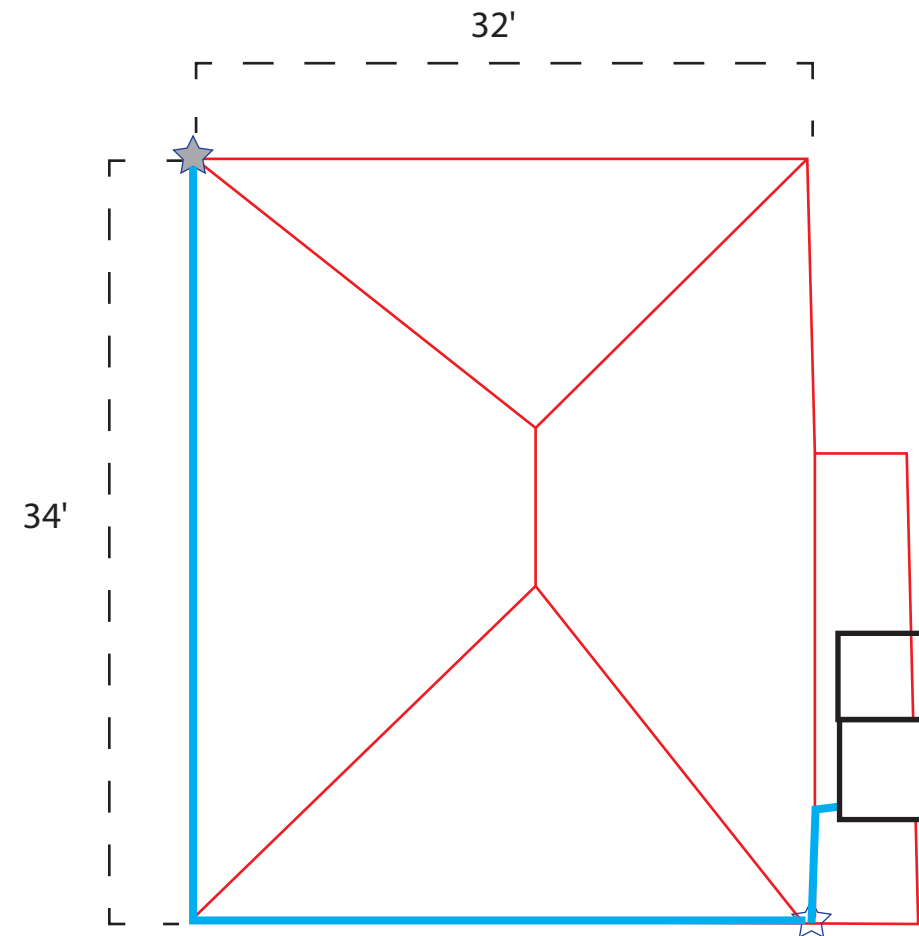
CISTERN 1
 Contributing area 400 SF
 Cistern 205 gal to side sewer
 Rebate 77%

RainWise Sizing and Rebate Calculator			
Contractor Name	Aster Rosa	Contributing Roof Area ^{1,2}	2,130 sf
Client Name	St. Lukes Episcopal Church	Project Type	Rain Garden
Project Address	5710 22nd Ave NW		
Notes	bldg. 2A		
Rain Garden			
Native Soil Infiltration Rate	1 hr		
Rain Garden Bottom Area Required	79 sf		
RainWise Rebate			
% Construction Rebate	100%		
Construction Rebate Rate ^{7,8}	\$4.00	per square foot contributing area	
Total Rebate	\$8,520.00		
Gallons Managed Annually ⁹	30,400	gallons	
Notes:			
RainWise Sizing and Rebate Calculator			
Contractor Name	Aster Rosa	Contributing Roof Area ^{1,2}	400 sf
Client Name	St. Lukes Episcopal Church	Project Type	Cistern
Project Address	5710 22nd Ave NW		
Notes	bldg. 1A		
Cistern			
No. Connected Cisterns	1		
Cistern Type ³	Bushman BRTT205		
Cistern Overflow Height ⁴		ft	
Total Cistern Height ⁵		ft	
Single Cistern Volume ⁶		gal	
RainWise Rebate			
% Construction Rebate	77%		
Construction Rebate Rate ^{7,8}	\$3.08	per square foot contributing area	
Total Rebate	\$1,232.00		
Gallons Managed Annually ⁹	1,600	gallons	







CISTERNS 1 and 2
 Contributing area 1088 SF
 Cistern 2x 420 gal
 to Side Sewer
 (Dry Well)
 Rebate 91%

RainWise Sizing and Rebate Calculator	
Contractor Name	Aster Rosa
Client Name	St. Lukes Episcopal Church
Project Address	5710 22nd Ave NW
Notes	
Cistern	
No. Connected Cisterns	2
Cistern Type *	Bushman BRT1420
Cistern Overflow Height *	ft
Total Cistern Height *	ft
Single Cistern Volume *	gal
RainWise Rebate	
% Construction Rebate	91%
Construction Rebate Rate **	\$3.63 per square foot contributing area
Total Rebate	\$3,949.44
Gallons Managed Annually *	4,300 gallons



TOTAL
 building footprint
1088sq.ft

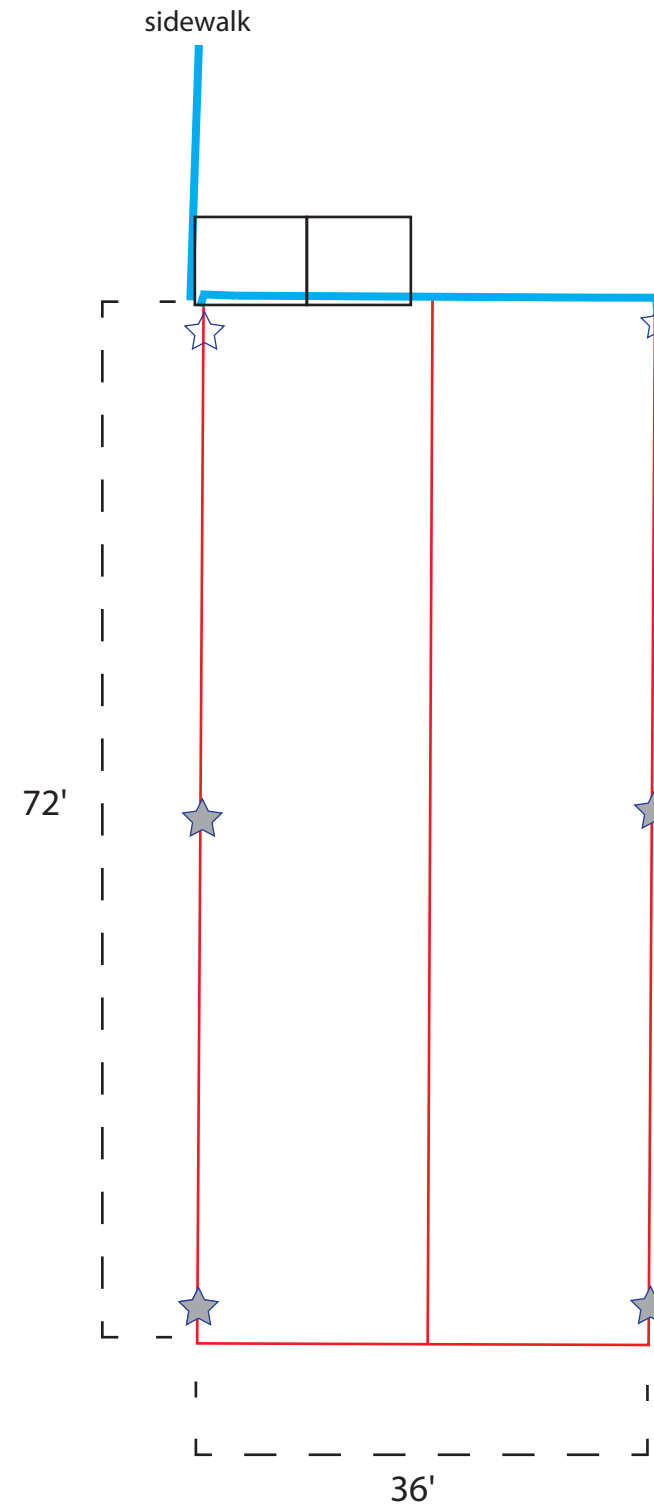
-  downspout locations
-  disconnected downspout
-  potential cisterns
-  cistern connection



RAINGARDEN 1
 Contributing area 2592 SF
 2 620 Cisterns
 90% rebate 3.60

RainWise Sizing and Rebate Calculator			
Contractor Name	Aster Rosa	Contributing Roof Area ^{1,2}	2,492 sf
Client Name	St. Lukes Episcopal Church	Project Type	Cistern
Project Address	5710 22nd Ave NW		
Notes	bldg. 2A		
Cistern			
No. Connected Cisterns	2		
Cistern Type ³	Bushman BSLT620		
Cistern Overflow Height ⁴	6 ft		
Total Cistern Height ⁵	8 ft		
Single Cistern Volume ⁶	5,100 gal		
RainWise Rebate			
% Construction Rebate	90%		
Construction Rebate Rate ^{7,8}	\$3.60	per square foot contributing area	
Total Rebate	\$8,971.20		
Gallons Managed Annually ⁹	9,800	gallons	

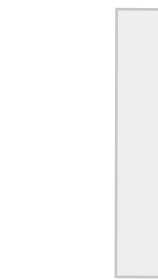
Notes:
 1. A minimum of 400 square feet of impervious roof area must be mitigated to qualify for a rebate. Rebates can



TOTAL
 building footprint
2592sq.ft



TOTAL
 contributing area
1296sq.ft



TOTAL
 contributing area
1296sq.ft



downspout locations



disconnected downspout



potential cisterns



potential rain garden



cistern connection

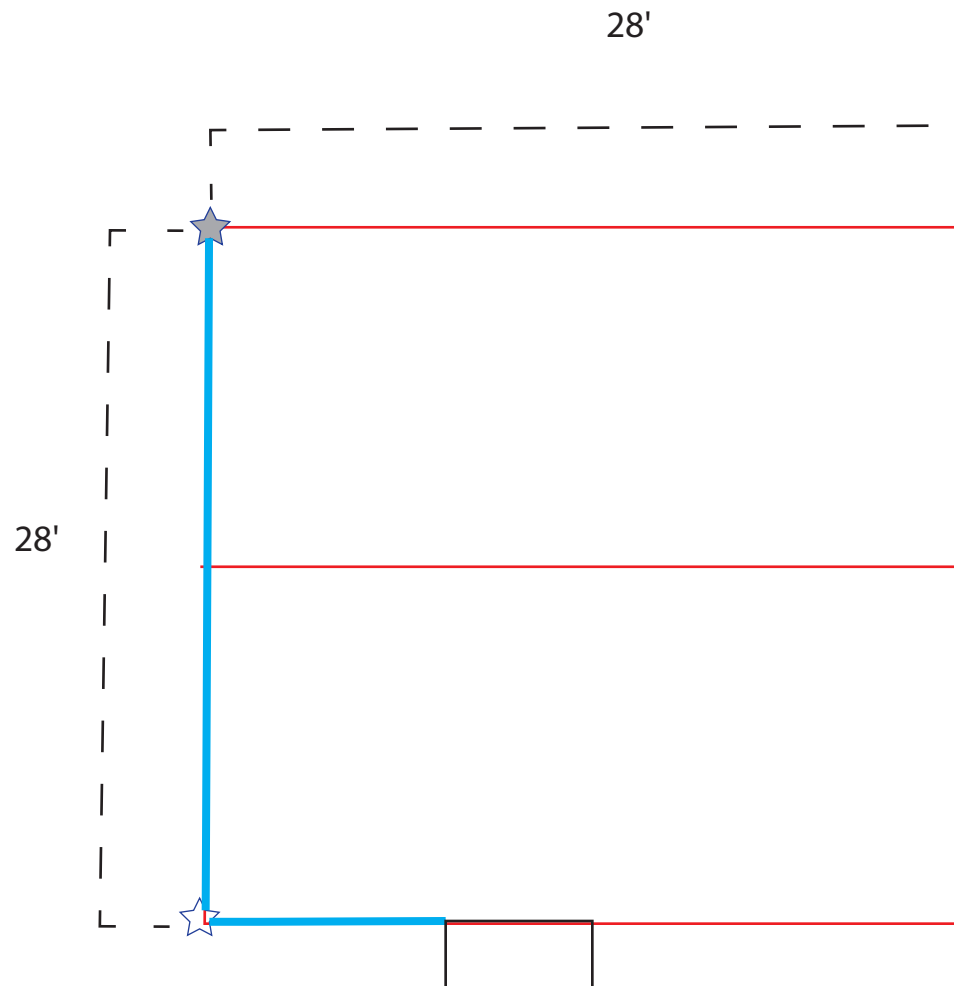


outflow







CISTERN 1
 Contributing area 800 SF
 Cistern 420 gal
 to Side Sewer
 (dry well)

RainWise Sizing and Rebate Calculator	
Contractor Name	Aster Rosa
Client Name	St. Lukes Episcopal Church
Project Address	5710 22nd Ave NW
Notes	Bldg 2B
Contributing Roof Area ^{1,2} 800 sf	
Project Type Cistern	
Cistern	
No. Connected Cisterns	1
Cistern Type ³	Bushman BRT420
Cistern Overflow Height ⁴	ft
Total Cistern Height ⁵	ft
Single Cistern Volume ⁶	gal
RainWise Rebate	
% Construction Rebate	85%
Construction Rebate Rate ^{7,8}	\$3.41 per square foot contributing area
Total Rebate	\$2,728.00
Gallons Managed Annually ⁹	3,100 gallons



TOTAL building footprint
800sq.ft

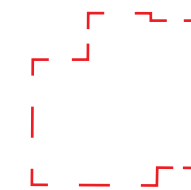
-  downspout locations
-  disconnected downspout
-  potential cisterns
-  cistern connection



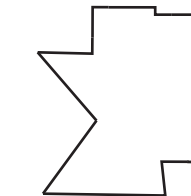
CISTERN 1
 Contributing Area 1225 SF
 Cistern: 660 gal (4'x5')
 Raingarden 66 SF
 infil. .3" hr
 Rebate 100%

CISTERN 2
 Contributing Area 1275 SF
 Cistern: 1535 gal
 to side sewer or tied to alley system
 with Cistern 1,3
 Rebate 92%

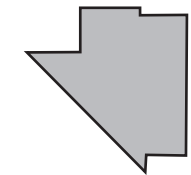
CISTERN 3
 Contributing area 4200 SF
 Cistern 4999 gal (9x12')
 to Side Sewer
 Rebate 99%



TOTAL
 building footprint
6700sq.ft



TOTAL
 contributing area
5475 SF



TOTAL
 contributing area
4250sq.ft



TOTAL
 contributing area
1225SF (+50)



TOTAL
 contributing area
1225SF



downspout locations



disconnected downspout



potential cisterns



potential rain garden

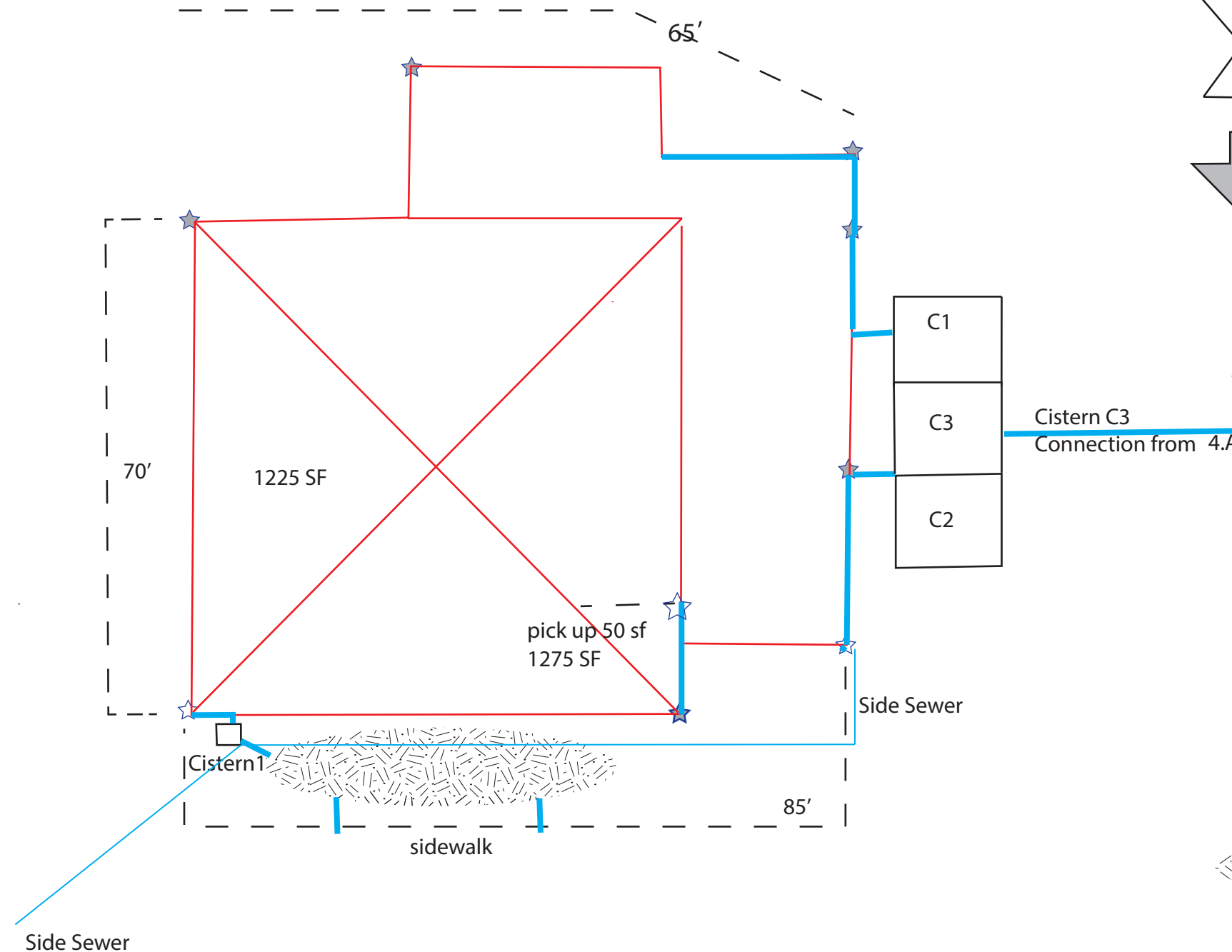


cistern connection

RainWise Sizing and Rebate Calculator	
Contractor Name	Aster Rosa
Client Name	St. Lukes Episcopal Church
Project Address	5710 22nd Ave NW
Notes	bidg. 3A
Contributing Roof Area ^{1,2}	1,225 sf
Project Type	Cistern to Rain Garden
Cistern to Rain Garden	
Native Soil Infiltration Rate	0.3 in/hr
Cistern(s)	1 x BRTT205
Rain Garden Bottom Area Required	72 sf
RainWise Rebate	
% Construction Rebate	100%
Construction Rebate Rate ^{7,8}	\$4.00 per square foot contributing area
Total Rebate	\$4,900.00
Gallons Managed Annually ⁹	18,300 gallons

RainWise Sizing and Rebate Calculator	
Contractor Name	Aster Rosa
Client Name	St. Lukes Episcopal Church
Project Address	5710 22nd Ave NW
Notes	bidg. 3A
Contributing Roof Area ^{1,2}	4,200 sf
Project Type	Cistern
Cistern	
No. Connected Cisterns	1
Cistern Type ³	User Defined
Cistern Overflow Height ⁴	6 ft
Total Cistern Height ⁵	8 ft
Single Cistern Volume ⁶	5,100 gal
RainWise Rebate	
% Construction Rebate	99%
Construction Rebate Rate ^{7,8}	\$3.94 per square foot contributing area
Total Rebate	\$16,548.00
Gallons Managed Annually ⁹	16,500 gallons

RainWise Sizing and Rebate Calculator	
Contractor Name	Aster Rosa
Client Name	St. Lukes Episcopal Church
Project Address	5710 22nd Ave NW
Notes	bidg. 3A
Contributing Roof Area ^{1,2}	1,275 sf
Project Type	Cistern
Cistern	
No. Connected Cisterns	1
Cistern Type ³	User Defined
Cistern Overflow Height ⁴	6 ft
Total Cistern Height ⁵	8 ft
Single Cistern Volume ⁶	1,535 gal
RainWise Rebate	
% Construction Rebate	92%
Construction Rebate Rate ^{7,8}	\$3.68 per square foot contributing area
Total Rebate	\$4,692.00
Gallons Managed Annually ⁹	5,000 gallons



Side Sewer

Side Sewer

Cistern C3
 Connection from 4.A

ST. LUKES EPISCOPAL CHURCH
 5710 22ND AVE NW, SEATTLE, WA 98107



DETAIL

3.A

CISTERN 1
 Contributing area 3870 SF
 Cistern 4999 gal (12x 8')
 to Side Sewer
 Rebate 98%

RainWise Sizing and Rebate Calculator	
Contractor Name	Aster Rosa
Client Name	St. Lukes Episcopal Church
Project Address	5710 22nd Ave NW
Notes	bldg. 4A, sharedcistern system with Bldg
Contributing Roof Area ^{1,2} 3,870 sf	
Project Type Cistern	
Cistern	
No. Connected Cisterns	1
Cistern Type ³	User Defined
Cistern Overflow Height ⁴	6 ft
Total Cistern Height ⁵	8 ft
Single Cistern Volume ⁶	5,100 gal
RainWise Rebate	
% Construction Rebate	98%
Construction Rebate Rate ^{7,8}	\$3.94 per square foot contributing area
Total Rebate	\$15,247.80
Gallons Managed Annually ⁹	15,200 gallons

