User Inputs

Chamber Model:	MC-3500
Outlet Control Structure:	Yes
Project Name:	BaMO Academy
Engineer:	N/A
Project Location:	Georgia
Measurement Type:	Imperial
Required Storage Volume:	8000 cubic ft.
Stone Porosity:	40%
Stone Foundation Depth:	9 in.
Stone Above Chambers:	12 in.
Average Cover Over Chambers:	18 in.
Design Constraint Dimensions:	(40 ft. x 75 ft.)

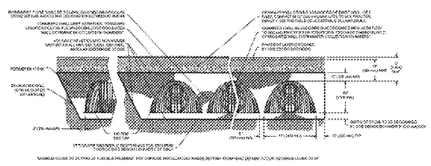
Results

System Volume and Bed Size

Installed Storage Volume:	8272.99 cubic ft.
Storage Volume Per Chamber:	109.90 cubic ft.
Number Of Chambers Required:	46
Number Of End Caps Required:	10
Chamber Rows:	5
Maximum Length:	71.35 ft.
Maximum Width:	36.66 ft.
Approx. Bed Size Required:	2520.90 square ft.

System Components

Amount Of Stone Required:	345.18 cubic yards
Volume Of Excavation (Not Including Fill):	513.52 cubic yards



User Inputs

Chamber Model:	SC-310
Outlet Control Structure:	No
Project Name:	BAMO Pond 2
Engineer:	Dylan Lee
Project Location:	Georgia
Measurement Type:	Imperial
Required Storage Volume:	276 cubic ft.
Stone Porosity:	40%
Stone Foundation Depth:	6 in.
Stone Above Chambers:	6 in.
Average Cover Over Chambers:	18 in.
Design Constraint Dimensions:	(20 ft. x 20 ft.)

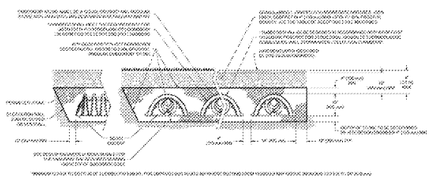
Results

System Volume and Bed Size

Installed Storage Volume:	276.83 cubic ft.
Storage Volume Per Chamber:	14.70 cubic ft.
Number Of Chambers Required:	5
Number Of End Caps Required:	10
Chamber Rows:	5
Maximum Length:	13.73 ft.
Maximum Width:	18.17 ft.
Approx. Bed Size Required:	249.35 square ft.

System Components

Amount Of Stone Required:	18.83 cubic yards
Volume Of Excavation (Not Including Fill):	21.55 cubic yards



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ISSUANCES

No.	Drawing Issue Description	Date
1	DESIGN DEVELOPMENT	3/18/20

BARACK & MICHELLE OBAMA ACADEMY

970 Martin St SE, Atlanta, GA 30315

ATLANTA PUBLIC SCHOOLS

CONSTRUCTION DETAILS

D. LEE (Drawn By)	19-128 (Project No.)
A. SAMPLE (Project Manager)	3/18/20 (Date)
M. WRIGHT (Permission to Charge)	
M. WRIGHT (QA/QC Check)	

C7.05

NOT ISSUED FOR CONSTRUCTION