

PHASE I & II SEDIMENT STORAGE DETAILS:

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN
If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

- DRAINAGE AREA = .25 ac
- Required sediment storage = 67 cy/ac * drainage area
Required sediment storage = 67 cy/ac * .25 ac
REQUIRED SEDIMENT STORAGE = 16.75 cy = 452.25 cf
- Assume excavation DEPTH (minimum of 1.5 ft) = 2 ft
- Assume SLOPE OF SIDES (shall not be steeper than 2:1) = 2:1
- Determine required surface area
SAmin = Required sediment storage / excavation depth
SAmin = 452.25 cf / 2 ft
SAmin = 226.13 sf
- Assume shape of excavation and determine dimensions.
(A rectangular shape with 2:1 length to width ratio is recommended.)
SHAPE: RECT
DIMENSIONS: l = 23 ft w = 10 ft diameter (if applicable) = ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slopes of the excavation.

(Sd-F SEDIMENT STORAGE UNDERCUT DETAIL) TO BE INSTALLED AT INDICATED INLETS

Sd2-F INLET SEDIMENT TRAP #1 DETAIL
NOT TO SCALE

PHASE I & II SEDIMENT STORAGE DETAILS:

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN
If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

- DRAINAGE AREA = .25 ac
- Required sediment storage = 67 cy/ac * drainage area
Required sediment storage = 67 cy/ac * .25 ac
REQUIRED SEDIMENT STORAGE = 16.75 cy = 452.25 cf
- Assume excavation DEPTH (minimum of 1.5 ft) = 2 ft
- Assume SLOPE OF SIDES (shall not be steeper than 2:1) = 2:1
- Determine required surface area
SAmin = Required sediment storage / excavation depth
SAmin = 452.25 cf / 2 ft
SAmin = 226.13 sf
- Assume shape of excavation and determine dimensions.
(A rectangular shape with 2:1 length to width ratio is recommended.)
SHAPE: RECT
DIMENSIONS: l = 23 ft w = 10 ft diameter (if applicable) = ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slopes of the excavation.

(Sd-F SEDIMENT STORAGE UNDERCUT DETAIL) TO BE INSTALLED AT INDICATED INLETS

Sd2-F INLET SEDIMENT TRAP #2 DETAIL
NOT TO SCALE

PHASE I & II SEDIMENT STORAGE DETAILS:

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN
If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

- DRAINAGE AREA = .25 ac
- Required sediment storage = 67 cy/ac * drainage area
Required sediment storage = 67 cy/ac * .25 ac
REQUIRED SEDIMENT STORAGE = 16.75 cy = 452.25 cf
- Assume excavation DEPTH (minimum of 1.5 ft) = 2 ft
- Assume SLOPE OF SIDES (shall not be steeper than 2:1) = 2:1
- Determine required surface area
SAmin = Required sediment storage / excavation depth
SAmin = 452.25 cf / 2 ft
SAmin = 226.13 sf
- Assume shape of excavation and determine dimensions.
(A rectangular shape with 2:1 length to width ratio is recommended.)
SHAPE: RECT
DIMENSIONS: l = 23 ft w = 10 ft diameter (if applicable) = ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slopes of the excavation.

(Sd-F SEDIMENT STORAGE UNDERCUT DETAIL) TO BE INSTALLED AT INDICATED INLETS

Sd2-F INLET SEDIMENT TRAP #3 DETAIL
NOT TO SCALE

Order Plans @

SA&E PROJECT NUMBER	01-632-056
BID PACKAGE	BP-1
ISSUED FOR CONSTRUCTION	FEB. 4, 2020
REVISIONS	
R #	Doc #
1	AD01
Date	02/13/2020
Southern A&E 7951 Troon Circle Austell, Ga 30168 (770) 419-7777 I.L.C. architects & engineers	
FACILITY CODE NUMBER: (6) CLASSROOM ADDITIONS TO: CREEKSIDE MIDDLE SCHOOL CATAULA, GA HARRIS COUNTY BOARD OF EDUCATION HAMILTON, GA	
ES & PC DETAILS	
STATE OF GEORGIA REGISTERED ARCHITECT PATRICK D. HALLAMAN	DRAWING NUMBER C302