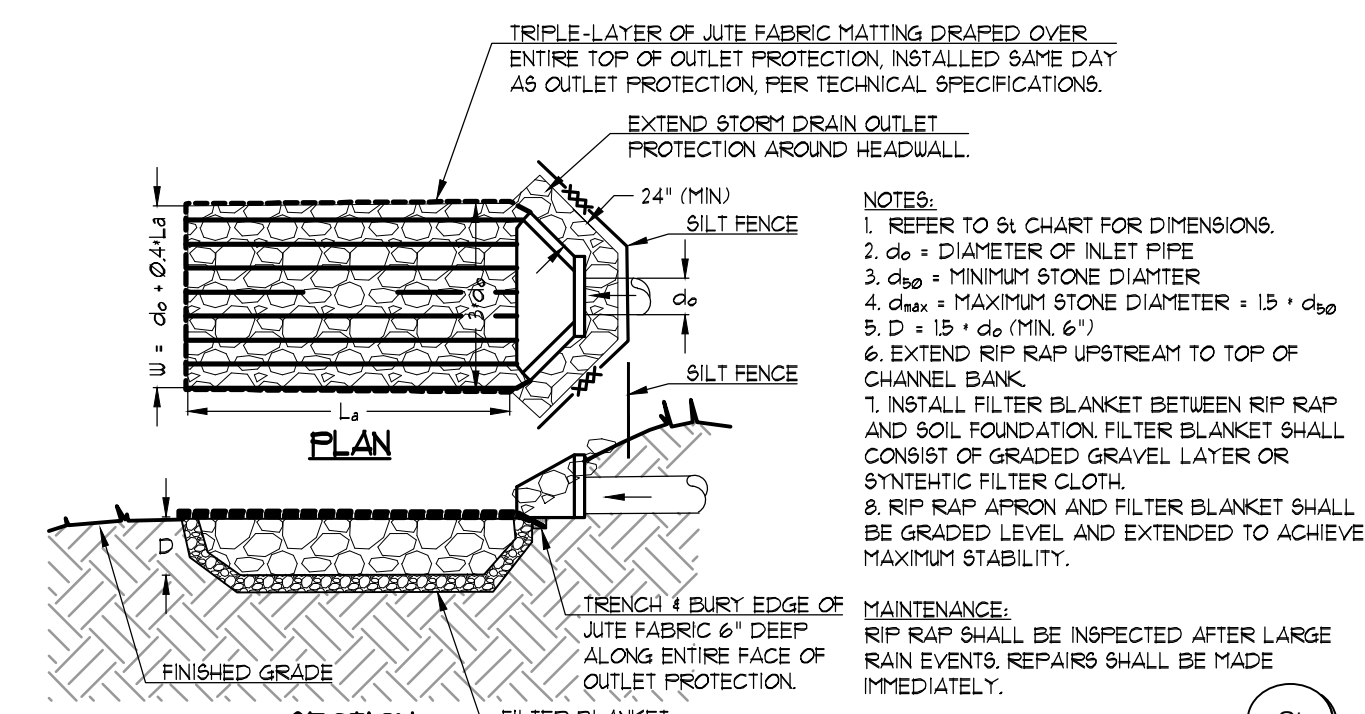




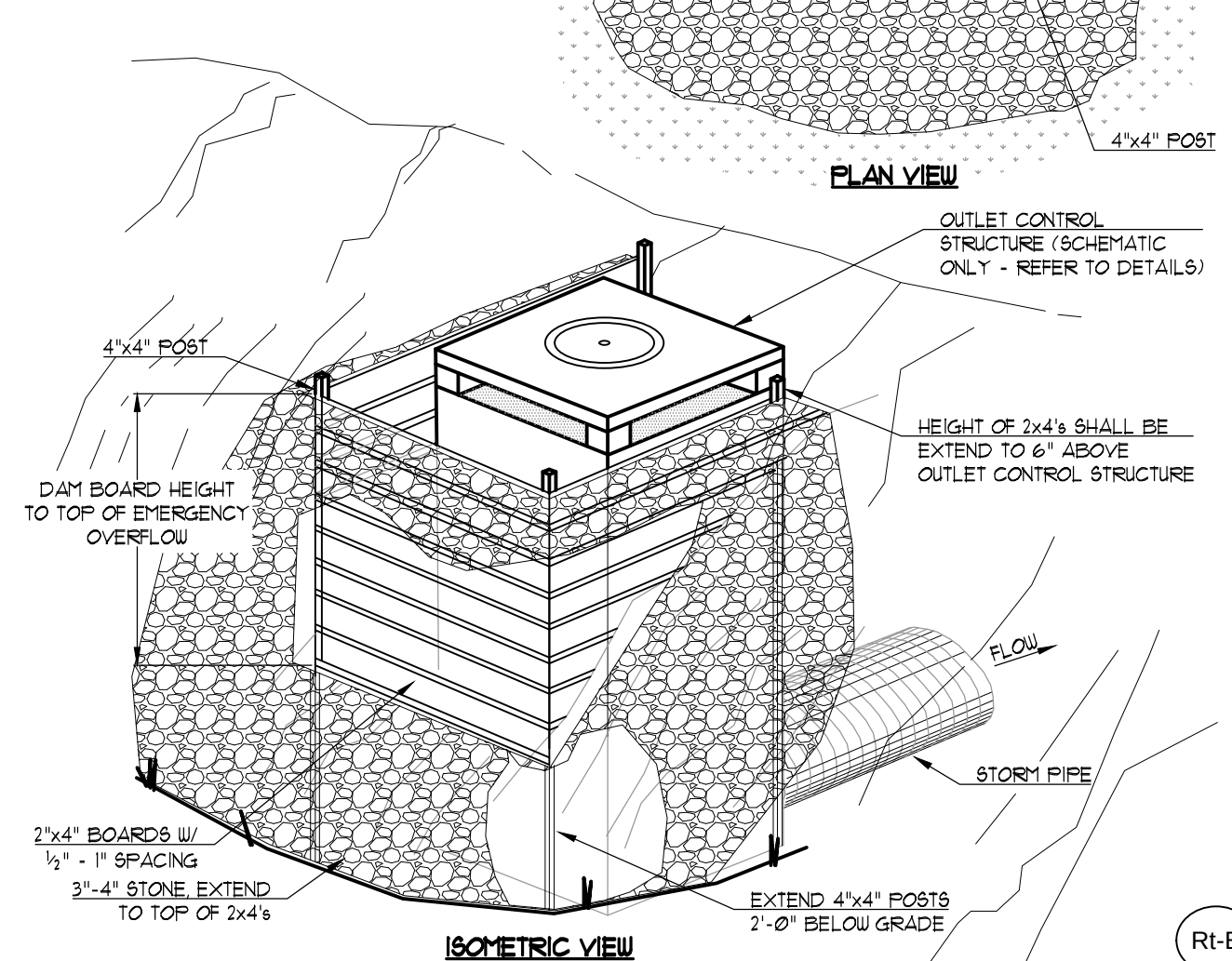
TEMPORARY AND PERMANENT STORM DRAIN OUTLET PROTECTION

MAXIMUM TAILWATER CONDITION

NOT TO SCALE

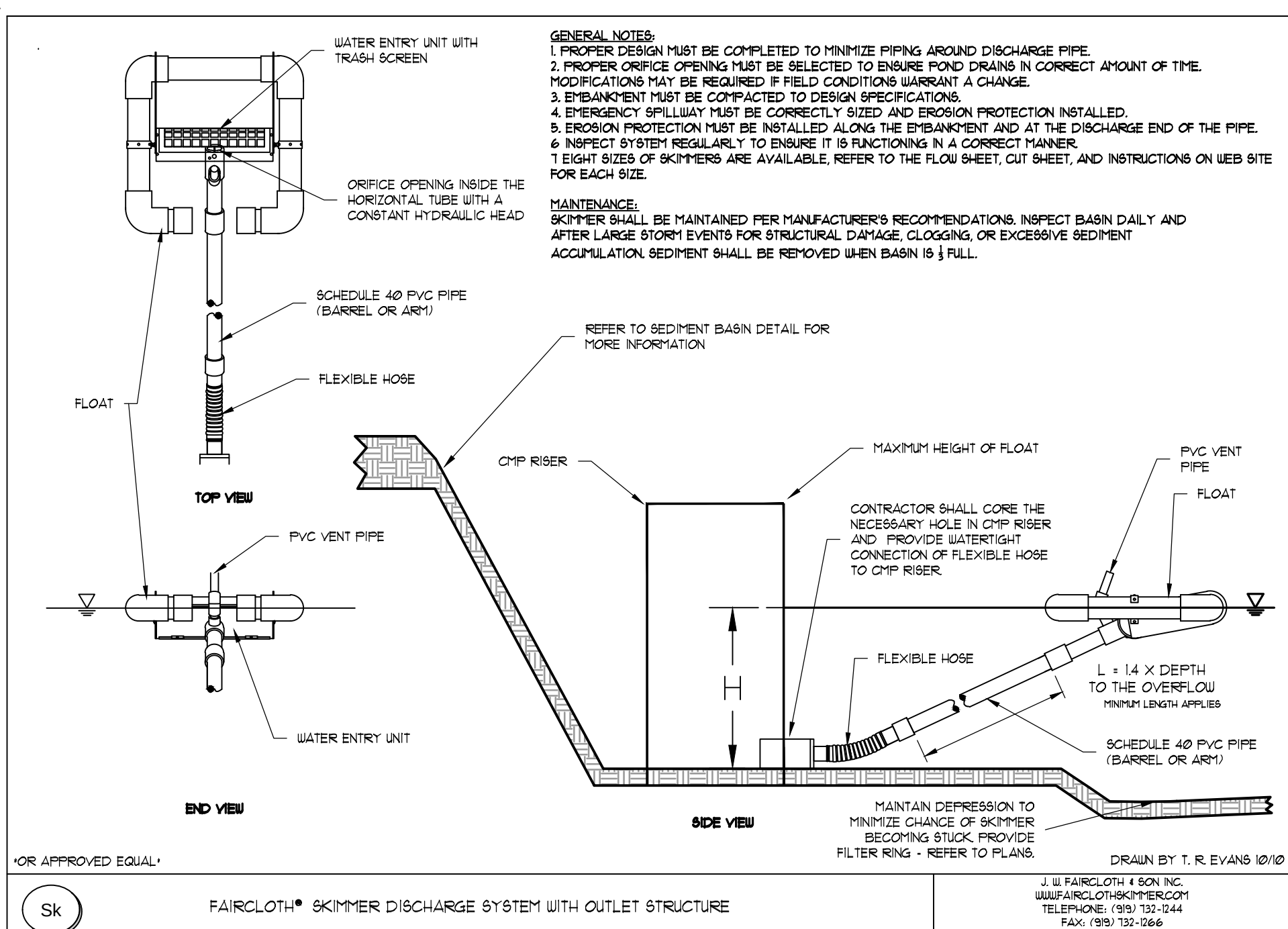
MAINTENANCE:
CONTRACTOR SHALL INSPECT RETROFIT DAILY AND MAKE NECESSARY REPAIRS IMMEDIATELY. CONTRACTOR SHALL CLEAN OUT ACCUMULATED SEDIMENT WHEN 1/3 OF THE BASIN IS FULL AND/OR AFTER EACH MAJOR RAIN EVENT. CONTRACTOR SHALL REMOVE RETROFIT ONCE DISTURBED AREAS ARE STABILIZED.

NOTE:
REFER TO PLANS AND CALCULATIONS SHEET FOR SEDIMENT STORAGE PROVISIONS FOR EACH SPECIFIC APPLICATION OF THIS BEST MANAGEMENT PRACTICE (BMP).



TEMPORARY RETROFIT - SLOTTED BOARD DAM WITH STONE AT OUTLET CONTROL STRUCTURE

NOT TO SCALE



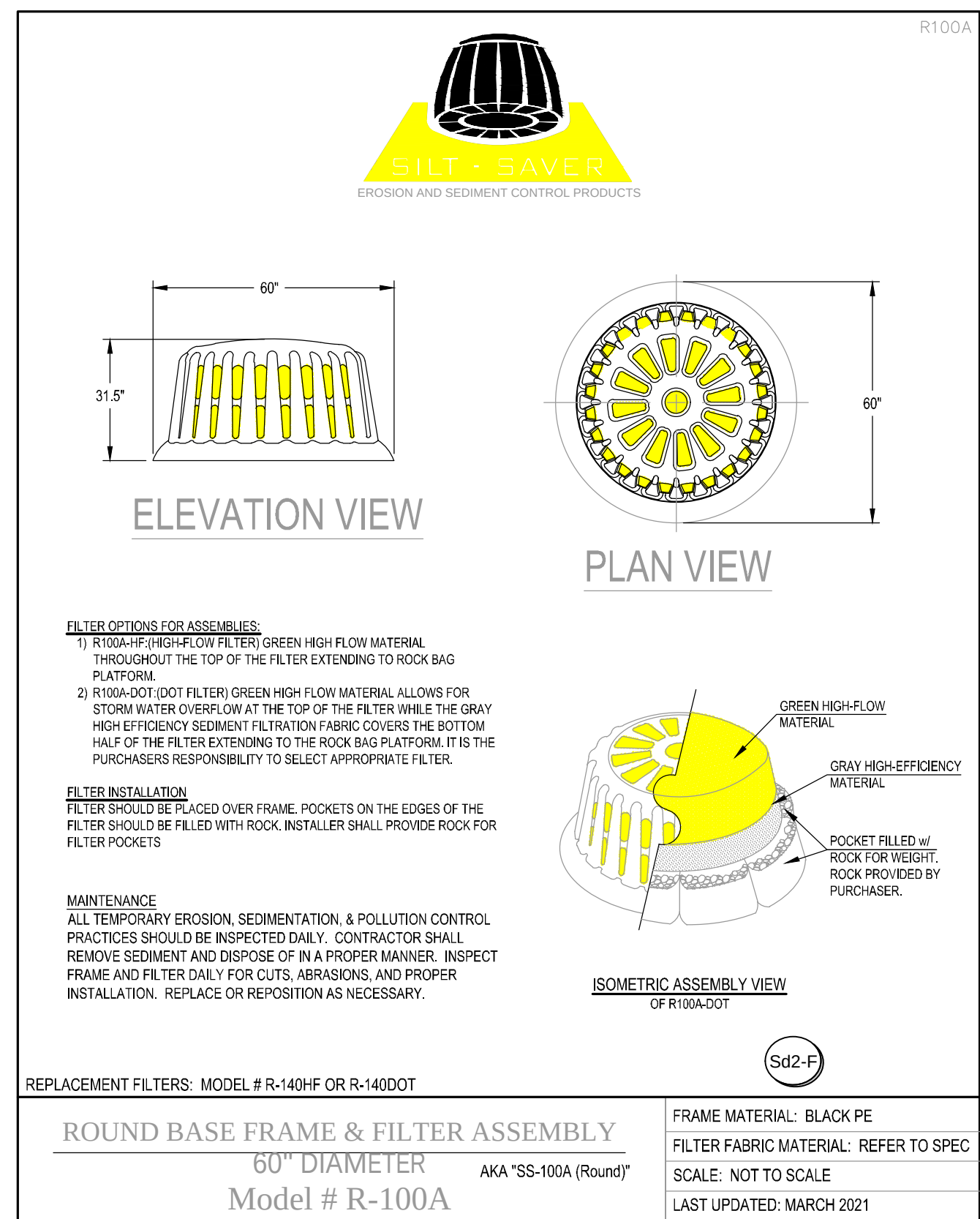
TEMPORARY SKIMMER OUTLET WITH CMP RISER

NOT TO SCALE

Calculate Skimmer Size			
Basin Volume in Cubic Feet	3,917	Cu.Ft	Skimmer Size
Days to Drain*	2	Days	Orifice Radius
			Orifice Diameter
*In NC assume 3 days to drain			

Structural BMP: Rip Rap Outlet Protection (St)											
Structure	Diameter (in)	Q25 (cfs)	V25 (fps)	Yc (in)	Tailwater Condition	Figure	La (ft)	W ₁ (ft)	W ₂ (ft)	d50 (ft)	dMAX (ft)
A2	18	9.57	6.36	14.28	MAXIMUM	6-34.2	8	4.5	4.70	0.10	0.15
B0	18	5.60	4.98	10.92	MAXIMUM	6-34.2	7	4.5	4.30	0.10	0.15
C0	24	11.43	6.50	14.52	MAXIMUM	6-34.2	9	6	5.60	0.10	0.15

Structural BMP: Retrofitting (Rt)											
Stormwater Management Pond											
Drainage Area: 2.55 acres											
Storage Calculations:											
1. Required stormwater storage											
(25-year post-construction storage volume unless otherwise determined by local ordinance)											
2. Required sediment storage											
3. Total required storage											
4. Available Storage											
5. Is the available storage greater than the total required storage?											
YES											
6. If "NO", the sediment storage capacity of the pond must be increased.											
Choose the method to be used:											
XXX Undercut the pond											
7. Clean-out elevation											
8. Is the length-width ratio 2:1 or greater?											



TEMPORARY INLET SEDIMENT TRAP

NOT TO SCALE

REPLACEMENT FILTERS: MODEL # R-140HF OR R-140DUT

ROUND BASE FRAME & FILTER ASSEMBLY
60" DIAMETER
Model # R-100A

FRAME MATERIAL: BLACK PE
FILTER FABRIC MATERIAL: REFER TO SPEC
SCALE: NOT TO SCALE
LAST UPDATED: MARCH 2021

NOTE:
REFER TO PLANS AND CALCULATIONS SHEET FOR SEDIMENT STORAGE PROVISIONS FOR EACH SPECIFIC APPLICATION OF THIS BEST MANAGEMENT PRACTICE (BMP).

"SILT-SAVER"™ INLET SEDIMENT TRAP

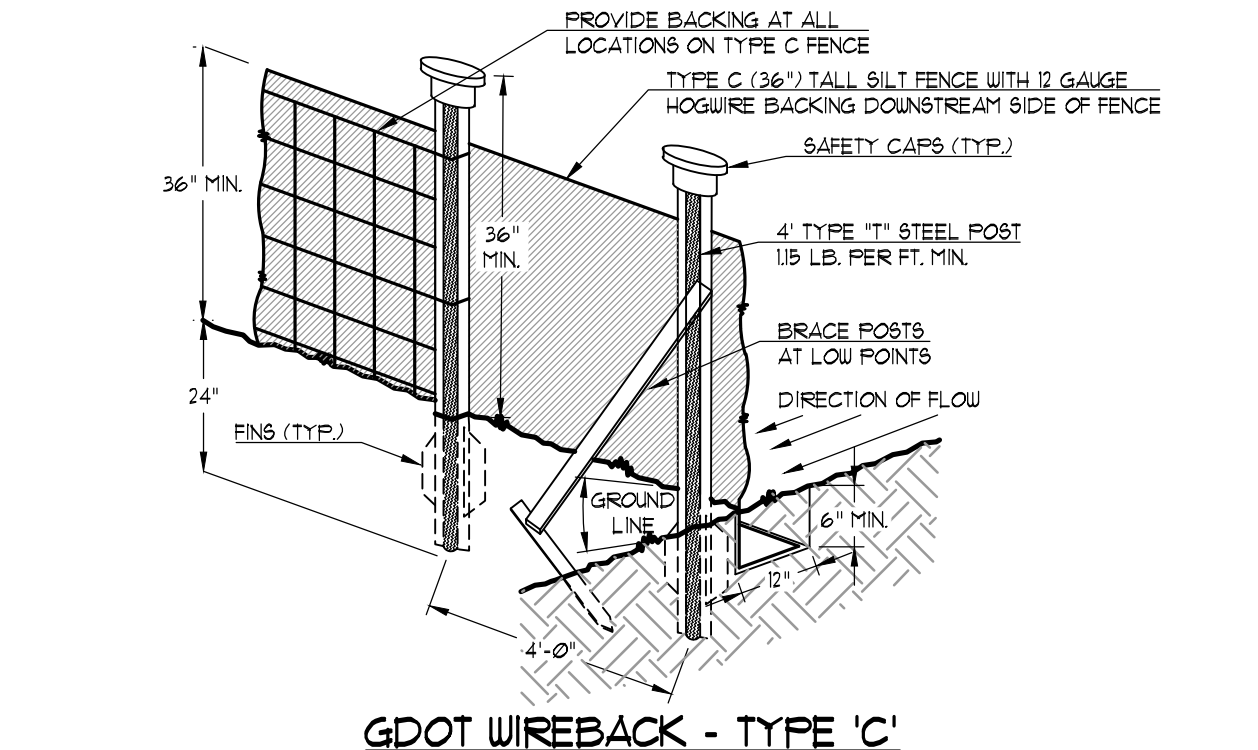
NOT TO SCALE

Temporary Excavated Inlet Sediment Trap Calculations (SD2-E)										
Information below provided as required by page 6-155, GSWCC 2016 Edition										
Drainage Structure ID No.	Plan Sheet Reference	1	2	3	4	5	6a	6b	6c	7
		Drainage Area	Req. Sediment Storage	Assumed Excavation Depth	Assumed Side Slope	Min. Surface Area	Excavation Shape	Excavation Width	Excavation Length	Storage Provided
		(acres)	(cy)	(ft)	(X : 1)	(sf)		(ft)	(ft)	(cy)
A6b	C420	0.139	9.313	2	2	125.73	Rectangular	8	16	9.48
A6c	C420	0.464	31.088	2	2	419.69	Rectangular	15	30	33.33
a8	C420	0.807	54.069	2	2	729.93	Rectangular	20	40	59.26
A9	C420	0.748	50.116	2	2	676.57	Rectangular	19	38	53.48
B1	C420	0.485	32.495	2	2	438.68	Rectangular	15	30	33.33
C1	C420	0.485	32.495	2	2	438.68	Rectangular	15	30	33.33

1 Min. Required Storage is 67 CY per Acre of Drainage Area

MAINTENANCE:
SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO 1/2 THE ORIGINAL HEIGHT OF THE BARRIER. SEDIMENT BARRIERS SHALL BE REPLACED WHENEVER THEY HAVE DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE PRODUCT IS REDUCED (APPROXIMATELY SIX MONTHS) OR THE HEIGHT OF THE PRODUCT IS NOT MAINTAINING 80% OF ITS PROPERLY INSTALLED HEIGHT.
TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

NOTES:
1. TEMPORARY PLANTINGS MUST BE REPLACED BY PERMANENT GRASS DURING THE FIRST AVAILABLE PLANTING SEASON.
2. SILT CONTROL SHALL BE IN EFFECT PRIOR TO ANY GRADING OF CONSTRUCTION.
3. SILT FABRIC SHALL BE 36" MINIMUM WIDTH.
4. BRIDLED CONTROLS SHALL OVERLAP 18" WITH MATCHING POST.
5. DRIVE 5" (60") MIN. POSTS 24" INTO SOIL.
6. DIG DITCH 12" WIDE AND 6" DEEP. LAY IN FABRIC TO BOTTOM OF TRENCH THEN BACKFILL COVERING FABRIC.
7. USE D.O.T. APPROVED WOOD OR STEEL POST 4"-Ø C.C.
8. J-HOOKS TO BE PROVIDED AT EVERY 4 FOOT VERTICAL GRADE CHANGE ALONG SILT FENCE LINES.

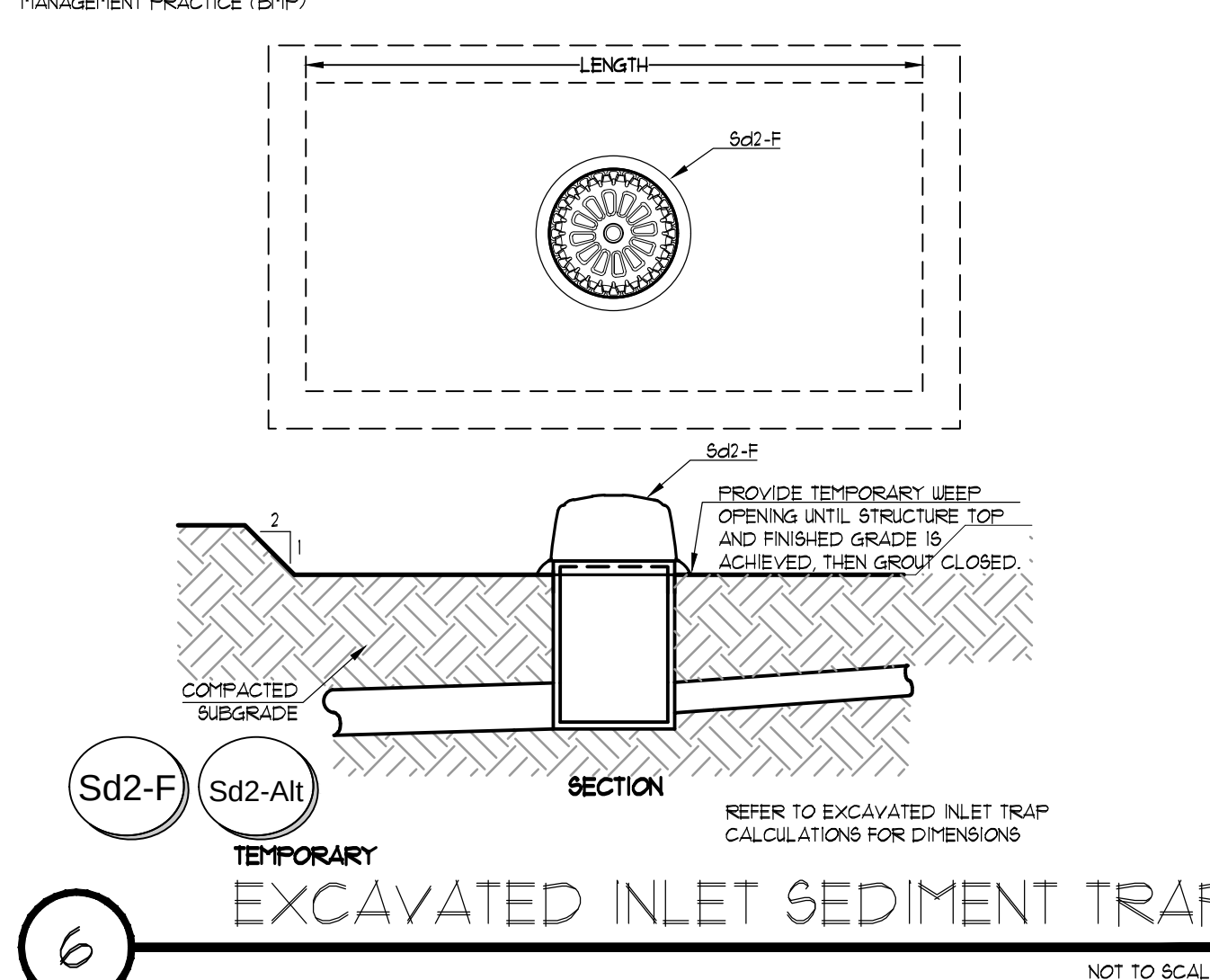


SENSITIVE SEDIMENT BARRIER - SILT FENCE

NOT TO SCALE

MAINTENANCE:
CONTRACTOR SHALL INSPECT TRAP DAILY AND MAKE NECESSARY REPAIRS IMMEDIATELY. CONTRACTOR SHALL CLEAN OUT ACCUMULATED SEDIMENT WHEN 1/3 OF THE BASIN IS FULL AND/OR AFTER EACH MAJOR RAIN EVENT. CONTRACTOR SHALL REMOVE TRAP ONCE DISTURBED AREAS ARE STABILIZED.

NOTE:
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TEMPORARY EXCAVATED INLET SEDIMENT TRAP

NOT TO SCALE

OCONEE COUNTY BOARD OF COMMISSIONERS

SEAL

OWNER

1020 OLD BISHOP ROAD, BISHOP GA 30621

Phone: 770-483-1173

Civil Engineers

Landscape Architects

Breedlove Land Planning, Inc.

1020 OLD BISHOP ROAD, BISHOP GA 30621

Phone: 770-483-1173

OCONEE COUNTY FACILITY MAINTENANCE & EMS

7580 MACON HIGHWAY

WATKINSVILLE, GA 30677

REVISIONS

No.	DATE	DESCRIPTION
1	06-03-26	SDP REVIEW
2	07-10-26	GSWCC RESUBMITTAL
3	07-30-26	OCWR RESUBMITTAL
4	08-14-26	OCWR RESUBMITTAL
5	08-14-26	GSWCC RESUBMITTAL
6	09-24-26	BID SET

SUBMITTALS

No.	DATE	DESCRIPTION
1	06-03-26	SDP REVIEW
2	07-10-26	GSWCC RESUBMITTAL
3	07-30-26	OCWR RESUBMITTAL
4	08-14-26	OCWR RESUBMITTAL
5	08-14-26	GSWCC RESUBMITTAL
6	09-24-26	BID SET

RELEASED FOR CONSTRUCTION

BLP, INC. PROJECT NO: 26034

DATE: 09-24-2026

DRAWING BY: ARP

CHECKED BY: GKC

EROSION DETAILS & CALCULATIONS

SHEET TITLE

C441

SHEET#