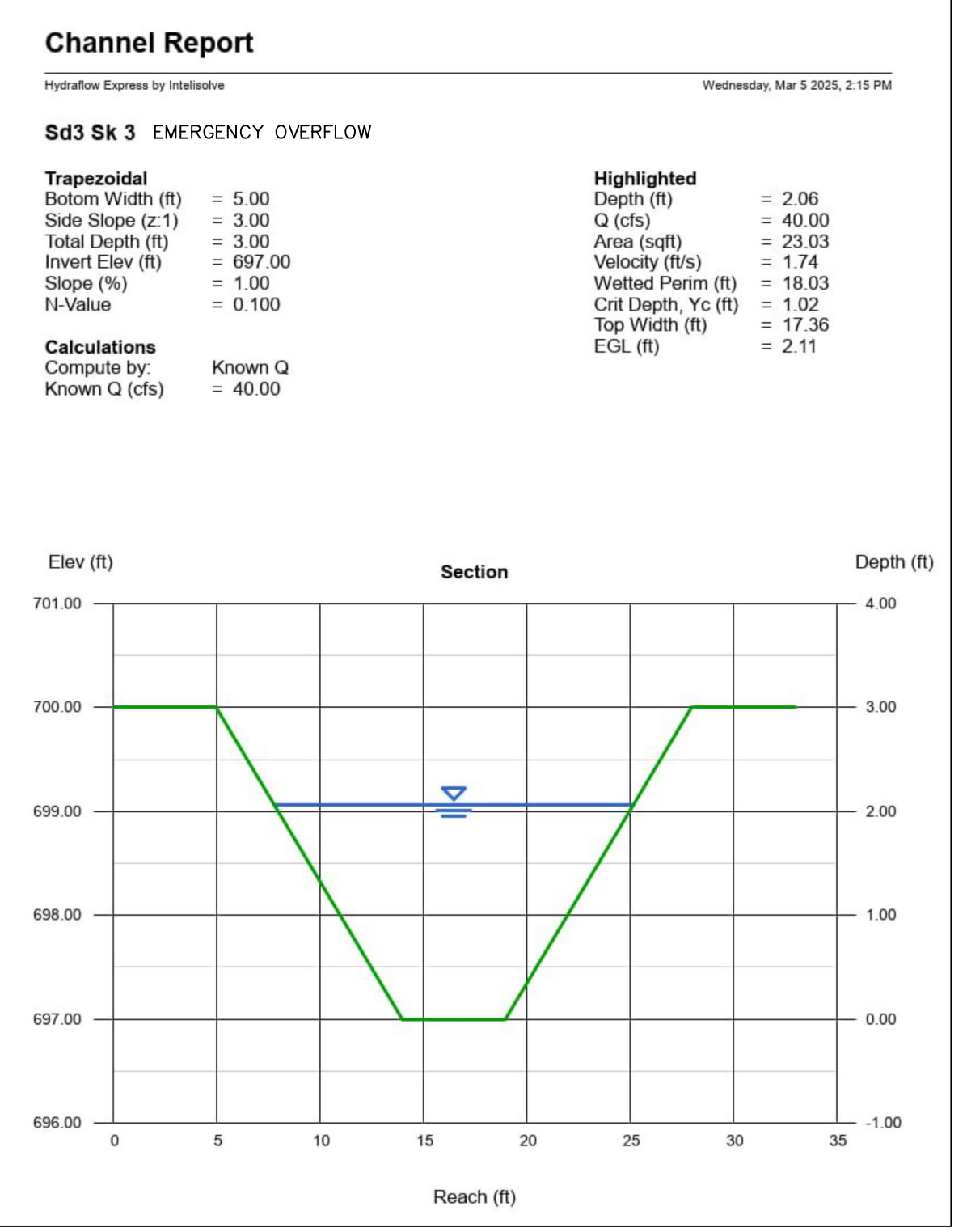
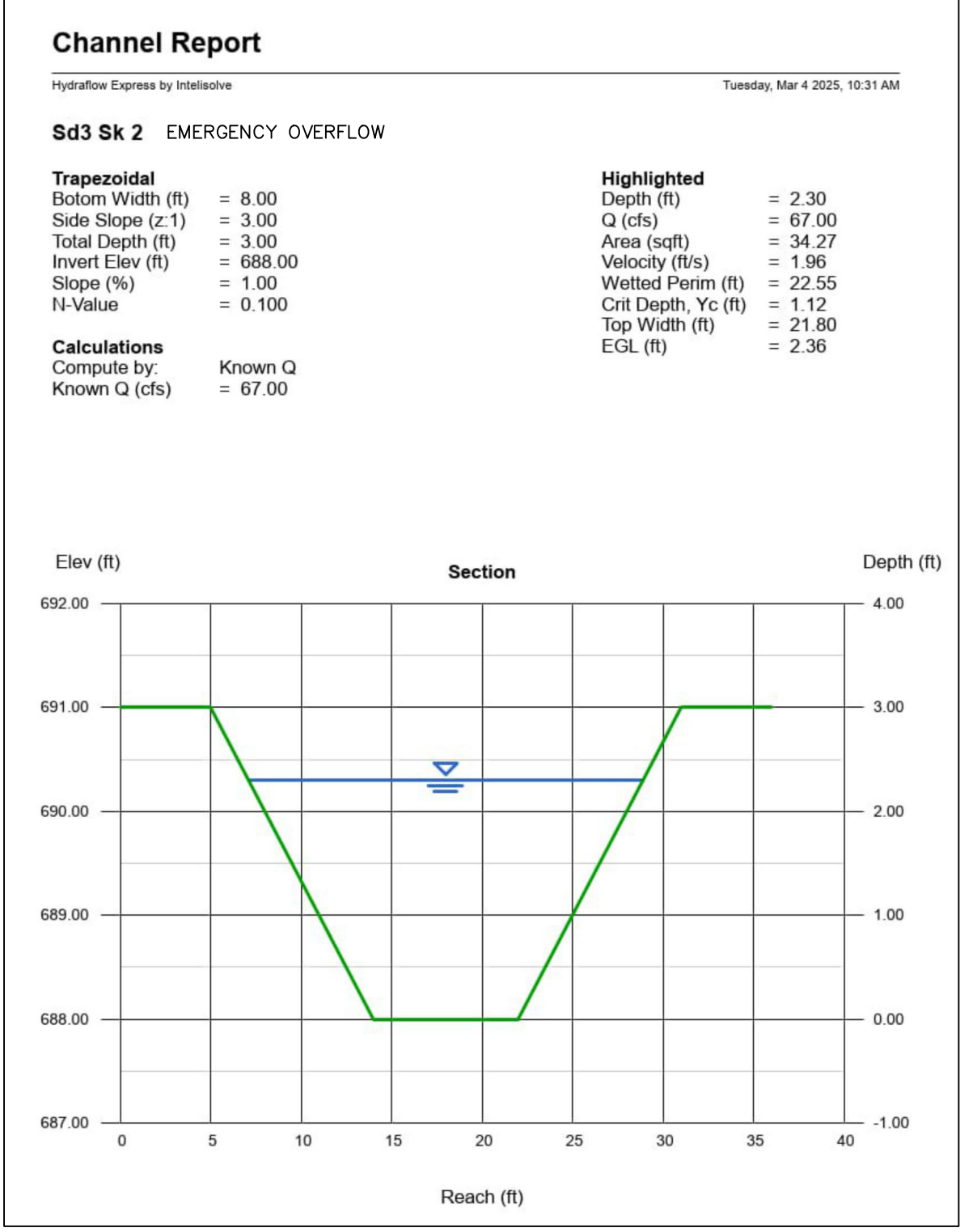
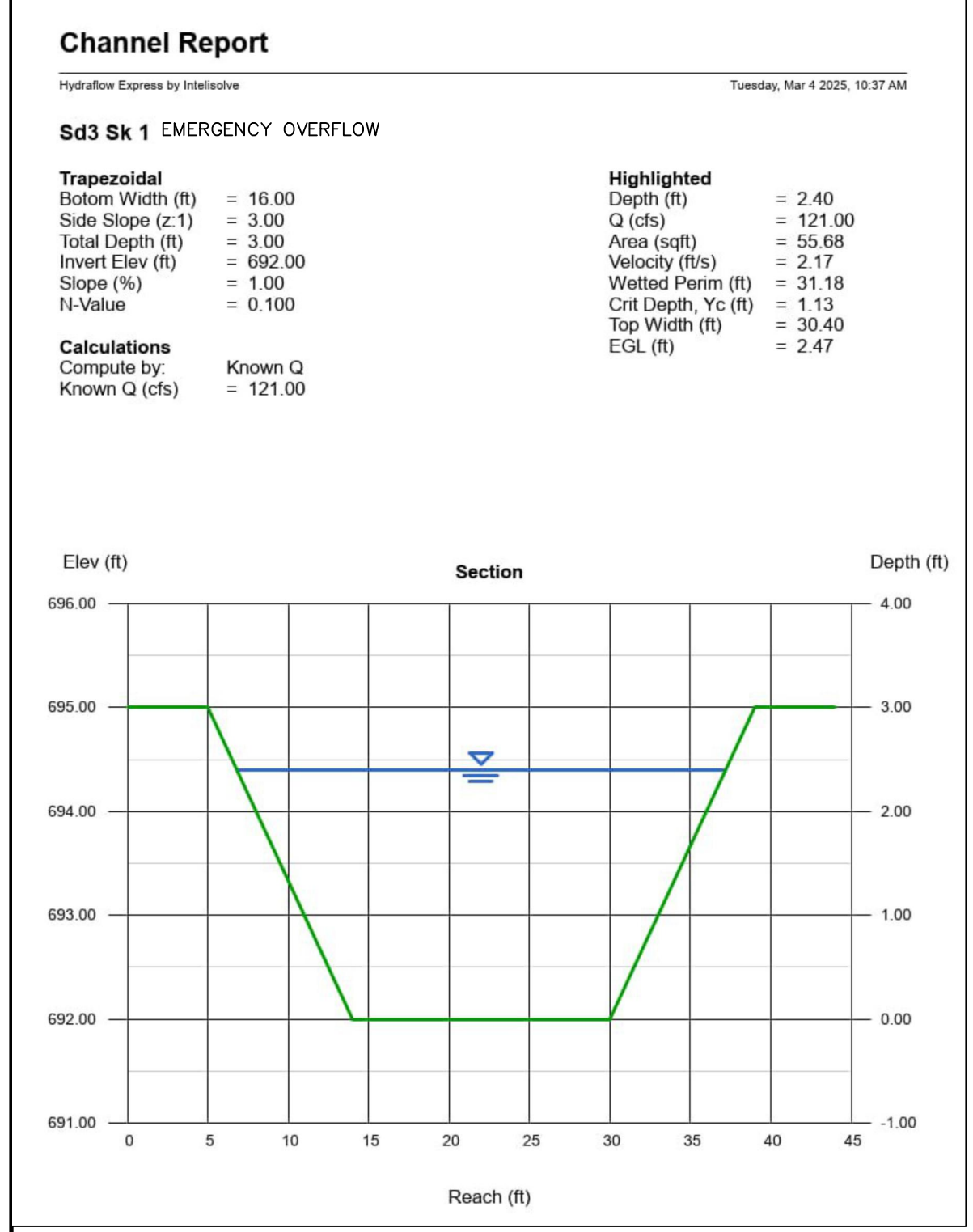


Sd3 Sk #1									Sd3 Sk #2									Sd3 Sk #3								
AVG END METHOD									AVG END METHOD									AVG END METHOD								
Stage	Elev (ft)	(sf)	(ac)	(cf)	(ac-ft)	(cf)	(ac-ft)	(cy)	Stage	Elev (ft)	(sf)	(ac)	(cf)	(ac-ft)	(cf)	(ac-ft)	(cy)	Stage	Elev (ft)	(sf)	(ac)	(cf)	(ac-ft)	(cf)	(ac-ft)	(cy)
0	684	430	0.00987144	0	0	0	0	0	0	682	488	0.01120294	0	0	0	0	0	0	694	1,003	0.02302571	0	0	0	0	0
10	694	17,137	0.39341139	87,835	1,311,371.29	87,835	1,311,371.29	3,253	8	690	11,467	0.2632461	47,820	0.70198959	47,820	0.70198959	1,771	6	700	5,243	0.12036272	18,738	0.24072544	18,738	0.24072544	694
TOTAL AREA(sf)	TOTAL AREA(ac)								TOTAL AREA(sf)	TOTAL AREA(ac)							TOTAL AREA(sf)	TOTAL AREA(ac)								
1278916	29								702837	16							347875	8								
DISTURBED AREA(sf)	DISTURBED AREA(ac)	REQUIRED VOLUME(cy)	PROVIDED VOLUME(cy)						DISTURBED AREA(sf)	DISTURBED AREA(ac)	REQUIRED VOLUME(cy)	PROVIDED VOLUME(cy)					DISTURBED AREA(sf)	DISTURBED AREA(ac)	REQUIRED VOLUME(cy)	PROVIDED VOLUME(cy)						
1278916	29	1967	3253						702837	16	1081	1771					131110	3	202	694						
Q2(cfs)=	64	CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION						TOTAL AREA	Q2(cfs)=	35	CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION				TOTAL AREA	Q2(cfs)=	20	CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION					
Q2s(cfs)=	121	675	686						Q2s(cfs)=	67	371	684					Q2s(cfs)=	40	69	695						

Sd4-C CALCULATIONS		#	1
DRAINAGE AREA (DA) =	3.49	ac	
REQUIRED STORAGE (DAx67cy) =	233.7		
TOP ELEVATION =	710.0		
BOTTOM ELEVATION =	706.0	cy	
SPILLWAY WIDTH =	8	ft	H = 4.0 ft
PROVIDED STORAGE =	275.0	cy	
CLEANOUT VOLUME (DAx22cy) =	76.7	cy	
CLEANOUT ELEVATION =	707.1		



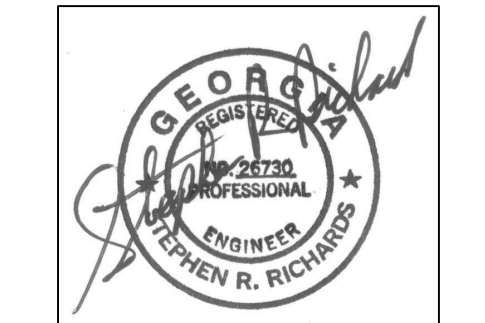
RETROFIT STORAGE CALCULATIONS

Rt # A

DISTURBED AREA = 49.96 ac

HALF-ROUND DIA = 48" HT = 48"

- REQUIRED STORMWATER STORAGE (25yr) = 27327 cy
- REQUIRED SEDIMENT STORAGE = 3348 cy
- TOTAL REQUIRED STORAGE = 30675 cy
- AVAILABLE STORAGE = 36692 cy
- IS AVAILABLE STORAGE > REQUIRED STORAGE? **YES**
- CLEANOUT VOL = 1099 cy
- CLEANOUT EL = 683.00
- IS L:W > 2:1? **YES**



GA PROFESSIONAL ENGINEER NO. 26793
LEVEL II CERTIFIED DESIGN PROFESSIONAL NO. 8688

PROJECT
CORE DALTON 4
ENTERPRISE DRIVE
DALTON, GA
CLIENT
CORE SCIENTIFIC, INC.
838 WALKER ROAD, SUITE 21-2105
DOVER, DE 19904

RICHARDS & ASSOC. ENGINEERING, INC.

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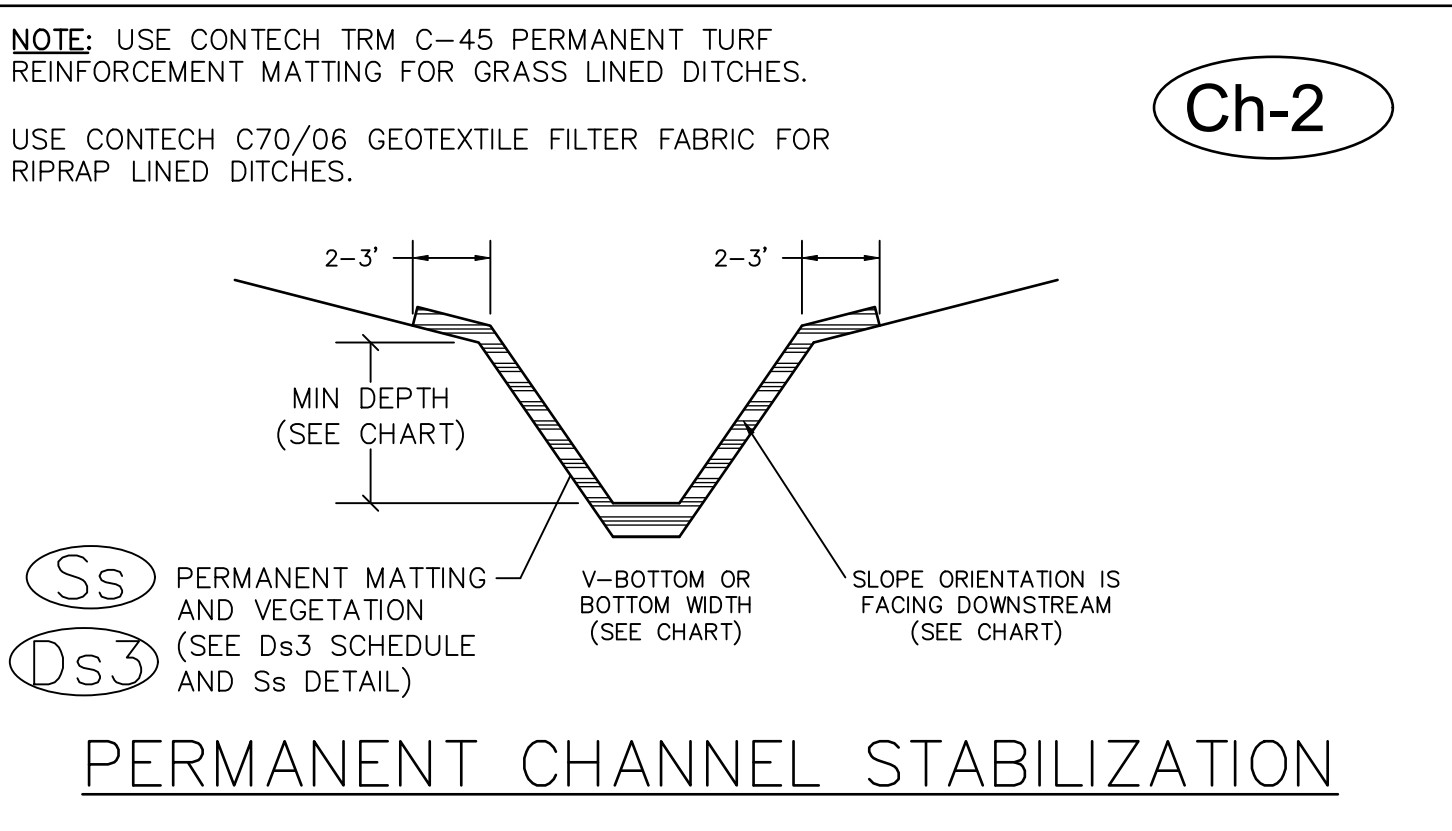
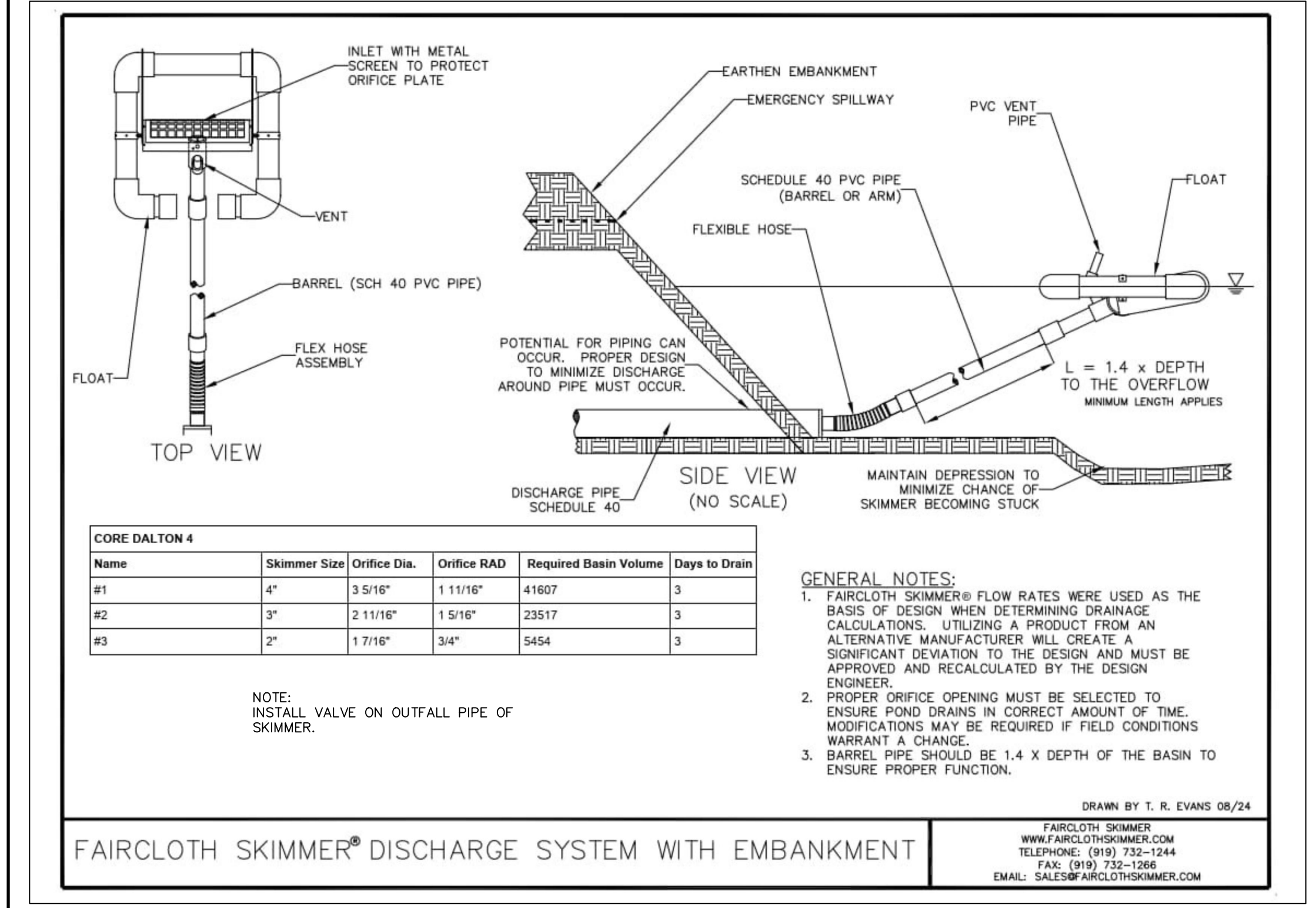
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Revisions	Date
PCR 03	8/1/25

Drawing Title
**INITIAL PHASE
SEDIMENT
STORAGE
CALCULATIONS**

DATE	5/16/25	DRAWING NO.	C2.2
PROJECT NO.	24-036		

RELEASE SCHEDULE	
INITIAL SUBMITTAL	3/24/25
COUNTY COMMENTS	4/4/25
EARLY RELEASE	5/2/25
ISSUED FOR PERMIT	5/16/25



Q2s=0.26 cfs
V2s=3.16 fps
TW < Pipe 1/2 ø

St #1

Lø=8'
W1=1'
W2=9'
Average stone diameter (d50)=6"
Stone depth (D)=12"

Q2s=0.11 cfs
V2s=2.63 fps
TW < Pipe 1/2 ø

St #2

Lø=8'
W1=1'
W2=9'
Average stone diameter (d50)=6"
Stone depth (D)=12"

Q2s=0.44 cfs
V2s=2.03 fps
TW < Pipe 1/2 ø

St #3

Lø=8'
W1=1'
W2=9'
Average stone diameter (d50)=6"
Stone depth (D)=12"