SITE DEVELOPMENT PLANS
FOR
CORE DALTON 4
ENTERPRISE DRIVE

LOCATED IN LAND LOTS 49, 60, 61, 85, DISTRICT 13, SECTION 3
WHITFIELD COUNTY, GEORGIA
PARCELS: 13-061-02-000, 13-060-01-000, 13-060-04-000
N 34.694920°, W 84.948556°
SITE AREA: ±183 ACRES
DISTURBED AREA: ±90 ACRES

1. THESE PLANS HAVE BEEN SIGNED AND SEALED FOR PERMITTING. THEY CANNOT BE USED FOR CONSTRUCTION UNTIL THEY HAVE BEEN APPROVED, STAMPED AND SIGNED BY THE APPROPRIATE AUTHORITIES AND ALL NECESSARY PERMITS HAVE BEEN OBTAINED BY THE CLIENT.

2. THE CLIENT IS ULTIMATELY RESPONSIBLE FOR OBTAINING THE APPROPRIATE PERMITS FOR CONSTRUCTION FROM ALL FEDERAL, STATE AND LOCAL PERMITTING AUTHORITIES. RICHARDS & ASSOCIATES ENGINEERING, INC. IS NOT LIABLE FOR THE FAILURE OF THE CLIENT TO OBTAIN THE NECESSARY PERMITS.

3. THIS DRAWING SHEET IS PART OF A COMPLETE SET OF DESIGN DRAWINGS. IT SHOULD NOT BE SEPARATED FROM THE SET. INFORMATION PERTINENT TO THIS SHEET MAY BE FOUND ON OTHER SHEETS IN THE SET.

4. A COPY OF THE CURRENT SET OF APPROVED DRAWINGS MUST BE KEPT ON THE CONSTRUCTION SITE AT ALL TIMES.

5. THE CLIENT IS RESPONSIBLE FOR ENSURING THAT THE CONTRACTOR HAS A COPY OF THE CURRENT SET OF APPROVED DRAWINGS ONSITE AT ALL TIMES.

6. IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY, AND SHALL NOT COMMENCE OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED. RICHARDS & ASSOCIATES ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR CONFLICTS IF WE ARE NOT NOTIFIED PRIOR TO INSTALLATION.

7. THESE DRAWINGS HAVE BEEN STAMPED AND SIGNED FOR ENGINEERING DESIGN CONTENT ONLY. PROPERTY LINE INFORMATION SHOWN ON THESE DRAWINGS HAS BEEN PROVIDED BY THE CLIENT OR A REGISTERED LAND SURVEYOR AND ARE SHOWN FOR REFERENCE ONLY. THE CLIENT MUST ENGAGE THE SERVICES OF A REGISTERED LAND SURVEYOR TO RESEARCH, PLAT AND LOCATE ALL PROPERTY CORNERS PRIOR TO THE PURCHASE OF THE PROPERTY AND COMMENCEMENT OF CONSTRUCTION. RICHARDS & ASSOCIATES ENGINEERING, INC. IS NOT RESPONSIBLE FOR VERIFYING THE LOCATION OF OR EXISTENCE OF THE LIMITS OR BOUNDARY OF THE CLIENT'S PROPERTY. AT THE CLIENT'S REQUEST, RICHARDS & ASSOCIATES ENGINEERING, INC. USES THE INFORMATION PROVIDED BY THE CLIENT, EITHER DIRECTLY OR THROUGH THE CLIENT'S SURVEYOR, TO PRODUCE CONSTRUCTION DRAWINGS FOR THE CLIENT. THESE DRAWINGS MAY HAVE BEEN PREPARED FOR A SITE NOT CURRENTLY OWNED BY THE CLIENT. THE CLIENT IS RESPONSIBLE FOR ENSURING THAT HE HAS THE RIGHT TO OCCUPY THE PROPERTY FOR THE PURPOSE OF CONSTRUCTION. RICHARDS & ASSOCIATES ENGINEERING, INC. MAKES NO CLAIMS AS TO THE OWNERSHIP OF THE SUBJECT PROPERTY OR ADJACENT PROPERTIES.

8. USE OF THIS SET OF DOCUMENTS CONSTITUTES ACCEPTANCE, BY THE OWNER AND CONTRACTOR, OF ALL REQUIREMENTS CONTAINED WITHIN THIS SET OF DOCUMENTS.

OWNER/DEVELOPER:
CORE SCIENTIFIC, INC.
838 WALKER ROAD
SUITE 21-2105
DOVER, DE 19904
CHIP SCAGLIONE
(770)827-4733
cscaglione@corescientific.com

PRIMARY PERMITTEE:
KENNY GARCIA
CRITICAL CONSTRUCTION
MANAGEMENT, LLC
17000 DALLAS PARKWAY
SUITE 200
DALLAS, TX 75248
(214)842-6183
kgarcia@cps-llc.com

24 HOUR LOCAL CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION AND POLLUTION CONTROLS:
KEVIN KERRY
17000 DALLAS PARKWAY
SUITE 200
DALLAS, TX 75248
(214)842-6183
kkerry@cps-llc.com

BOUNDARY INFORMATION PROVIDED BY:

BLEW, INC.
3825 N. SHILOH DRIVE
FAYETTEVILLE, AR 72703
(888)933-2111

NORTH GEORGIA SURVEYING, INC.
292 ERWIN ROAD, SE
ADAIRSVILLE, GA 30103
(706)625-1046

TOPOGRAPHIC INFORMATION PROVIDED BY:

JACK W. BERRY & ASSOCIATES, INC.
302 DIVIDEND DRIVE
PEACHTREE CITY, GA 30269
(770)478-7814

NORTH GEORGIA SURVEYING, INC.
292 ERWIN ROAD, SE
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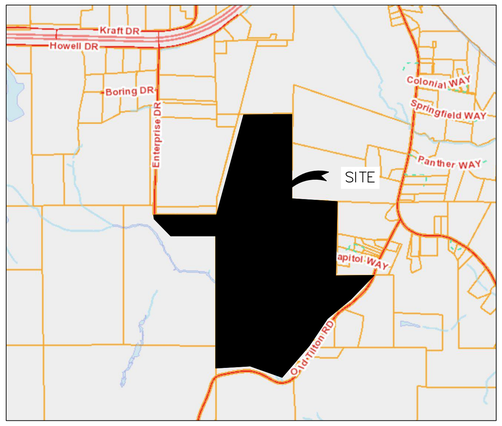

VICINITY MAP
NTS

THIS PROJECT WILL HAVE MORE THAN 50 ACRES DISTURBED AT A GIVEN TIME. THE FOLLOWING ADDITIONAL BMP'S WILL BE INSTALLED OR ADHERED TO:

d. A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed and must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.

k. Conduct soil tests representative of conditions at the time of planting to identify and to implement site-specific fertilizer needs and/or add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.

n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within all construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.

u. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual, known as the Blue Book, or an equivalent or more stringent design manual.

DESIGN PROFESSIONAL'S CERTIFICATION

1. I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001.

2. I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

3. GEORGIA'S 305(b)/303(d) LIST DOCUMENTS HAVE been CONSULTED.

GEORGIA REGISTERED PROFESSIONAL ENGINEER STEPHEN R. RICHARDS No. 26730

5/16/25

STEPHEN R. RICHARDS, PE — DATE
GSWCC LEVEL II CERTIFICATION NO. 8688

THIS PROJECT IS DESIGNED TO BE IN COMPLIANCE WITH THE GEORGIA GENERAL PERMIT NO. GAR100001 AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM WITH CONSTRUCTION ACTIVITY FOR STAND ALONE CONSTRUCTION PROJECTS EFFECTIVE AUGUST 1, 2023 AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, EFFECTIVE JANUARY 1, 2016.

SHEET INDEX

HIGHLIGHTED SHEETS INCLUDED IN EROSION CONTROL SUBMITTAL

RELEASE SCHEDULE

INITIAL SUBMITTAL	3/24/25
COUNTY COMMENTS	4/4/25
EARLY RELEASE	5/2/25
ISSSUED FOR PERMIT	5/16/25
PCR 01	7/11/25
PCR 02	7/14/25
PCR 03	8/1/25

RICHARDS & ASSOCIATES ENGINEERING, INC.
CIVIL ENGINEERING + LAND PLANNING
P.O. BOX 220, CHATSWORTH, GA 30705
(706) 616-5906

GEORGIA811 www.Georgia811.com
Know what's below. Call before you dig.

BOUNDARY INFORMATION PROVIDED BY:

BLEW, INC.
3825 N. SHILOH DRIVE
FAYETTEVILLE, AR 72703
(888)933-2111

NORTH GEORGIA SURVEYING, INC.
292 ERWIN ROAD, SE
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RAE
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(706) 616-5906

GEORGIA REGISTERED NO. 26730 PROFESSIONAL ENGINEER STEPHEN R. RICHARDS

GA PROFESSIONAL ENGINEER NO. 26730
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

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Revisions	Date

Drawing Title

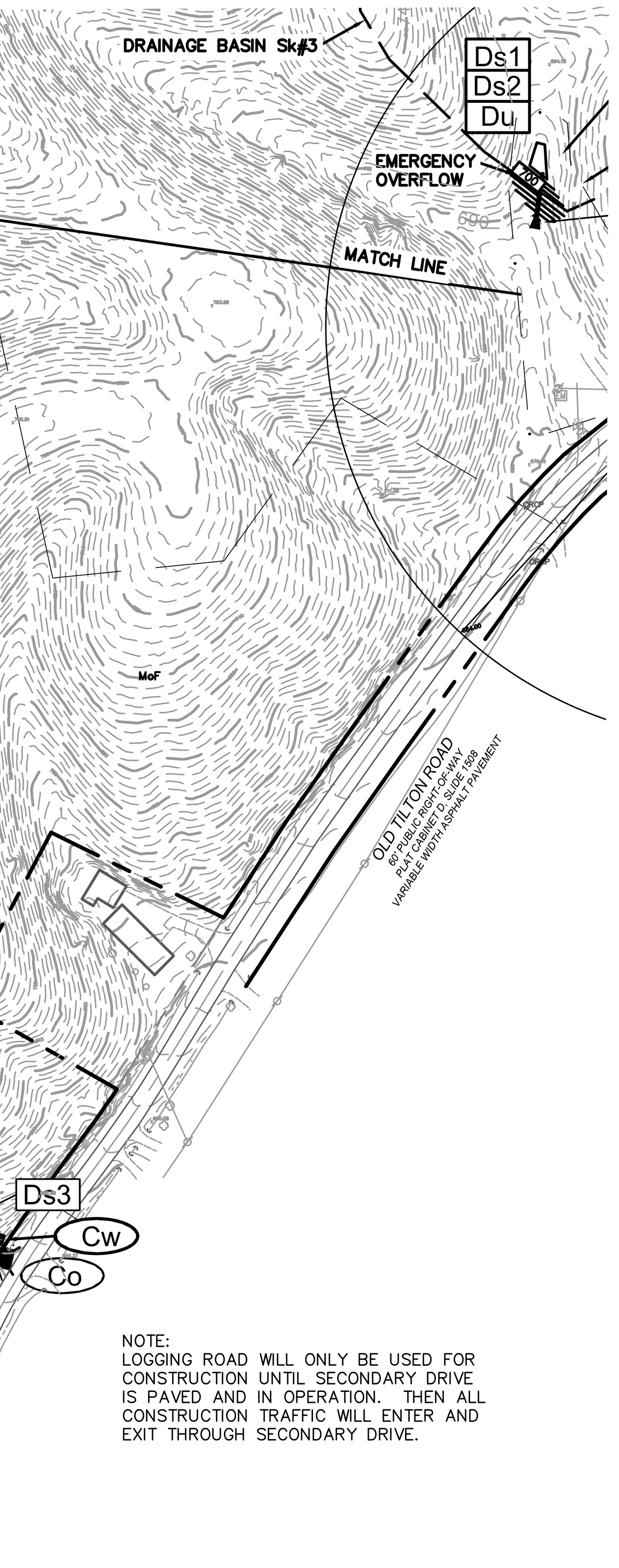
EXISTING CONDITIONS PLAN

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C1.0

CONSTRUCTION SEQUENCE (INITIAL PHASE)

1. CALL FOR UTILITY LOCATE PRIOR TO ANY LAND DISTURBING ACTIVITY.
2. INSTALL CONSTRUCTION EXIT (Co).
3. INSTALL CONCRETE WASHOUT BASIN (Cw) AT CONSTRUCTION EXIT.
4. INSTALL DOUBLE ROW SILT FENCE (Sd1-S) AS SHOWN.
5. EXCAVATE DETENTION POND AND INSTALL RETROFIT (Rt-P), FILTER RING (Fr), AND RIPRAP CHANNEL AT OUTFALL (Ch-2).
6. EXCAVATE TEMPORARY SEDIMENT TRAPS (Sd4-C).
7. EXCAVATE TEMPORARY SEDIMENT PONDS AND INSTALL SKIMMERS (Sd3, Sk).
8. APPLY PERMANENT GRASSING (Ds3) AND MATTING (Ss) TO ALL SLOPES.
9. CALL FOR 7-DAY INSPECTION AND BEGIN NPDES MONITORING PROGRAM.

NOTE: AT THE END OF EACH DAY, CONSTRUCT A SAFETY FENCE AROUND ALL SEDIMENT BASINS OR TRAPS, DITCHES, TRENCHES, HOLES, ETC. WITH 2:1 OR STEEPER SLOPES AND A DEPTH GREATER THAN 24".



NOTE: LOGGING ROAD WILL ONLY BE USED FOR CONSTRUCTION UNTIL SECONDARY DRIVE IS PAVED AND IN OPERATION. THEN ALL CONSTRUCTION TRAFFIC WILL ENTER AND EXIT THROUGH SECONDARY DRIVE.

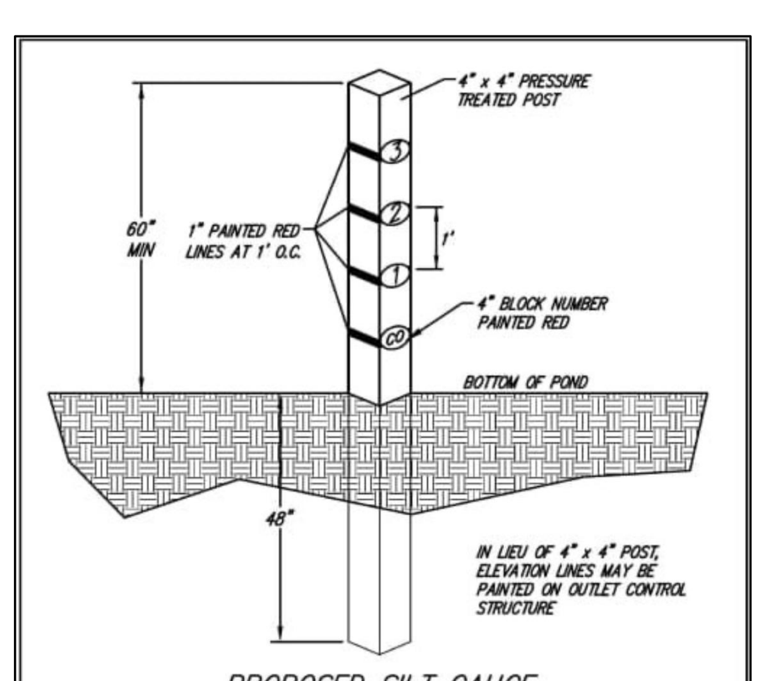
GRAPHIC SCALE (IN FEET) 1 inch = 150 ft.

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

SOIL LEGEND

Map Unit Symbol	Map Unit Name	Hydro. Soil Group
AuA	ARKABUTLA SILT LOAM, 0-2% SLOPES OCCASIONALLY FLOODED	B/D
CnA	CHENNEBY SILT LOAM, 0-2% SLOPES OCCASIONALLY FLOODED	B/D
MoF	MONTEVALLO VERY CHANNERY LOAM 30-60% SLOPES	D
MtD	MONTEVALLO TOWNLEY COMPLEX 6-15% SLOPES	D
MtE	MONTEVALLO TOWNLEY COMPLEX 15-30% SLOPES	D

ALL SOILS IN DEVELOPMENT AREA ARE IN HYDRAULIC SOIL GROUP D



PROPOSED SILT GAUGE
N.T.S.

EROSION CONTROL LEGEND

Symbol	Description
Cd	CHECKDAM
Ch	CHANNEL STABILIZATION
Co	CONSTRUCTION EXIT
Di	DIVERSION DITCH
Fr	STONE FILTER RING
Rt	RETROFITTING
Sd1	SEDIMENT BARRIER
Sd2	INLET SEDIMENT TRAP
Sd3	TEMPORARY SEDIMENT BASIN
St	STORM DRAIN OUTLET PROTECTION
Su	SURFACE ROUGHENING
Sd4	TEMPORARY SEDIMENT TRAP
Ss	EROSION CONTROL MATTING
Bf	BUFFER ZONE
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
Pm	POLYACRYLAMIDE (PAM)
Du	DUST CONTROL

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GEORGIA PROFESSIONAL ENGINEER No. 26730 STEPHEN R. RICHARDS

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LEVEL II CERTIFIED DESIGN PROFESSIONAL NO. 8688

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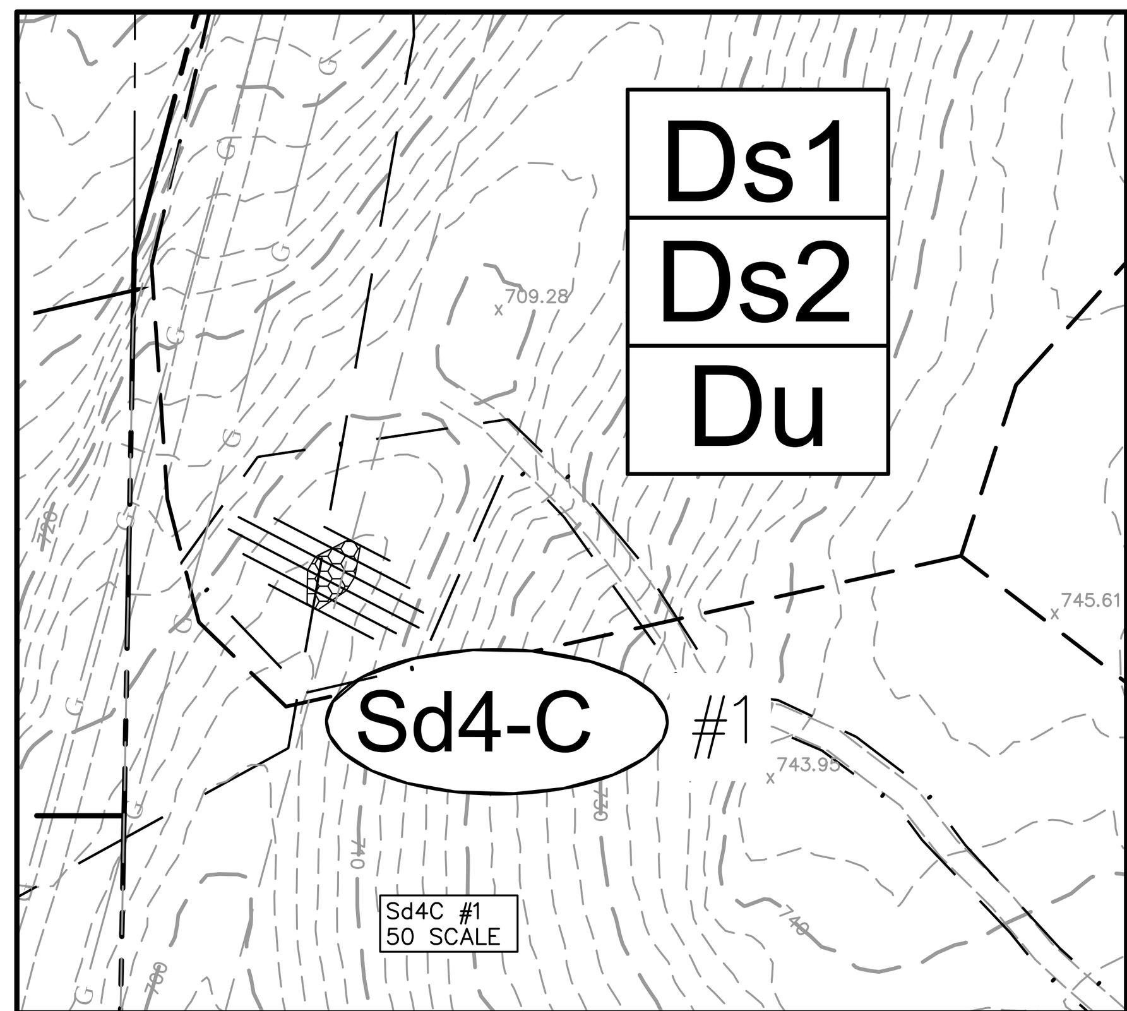
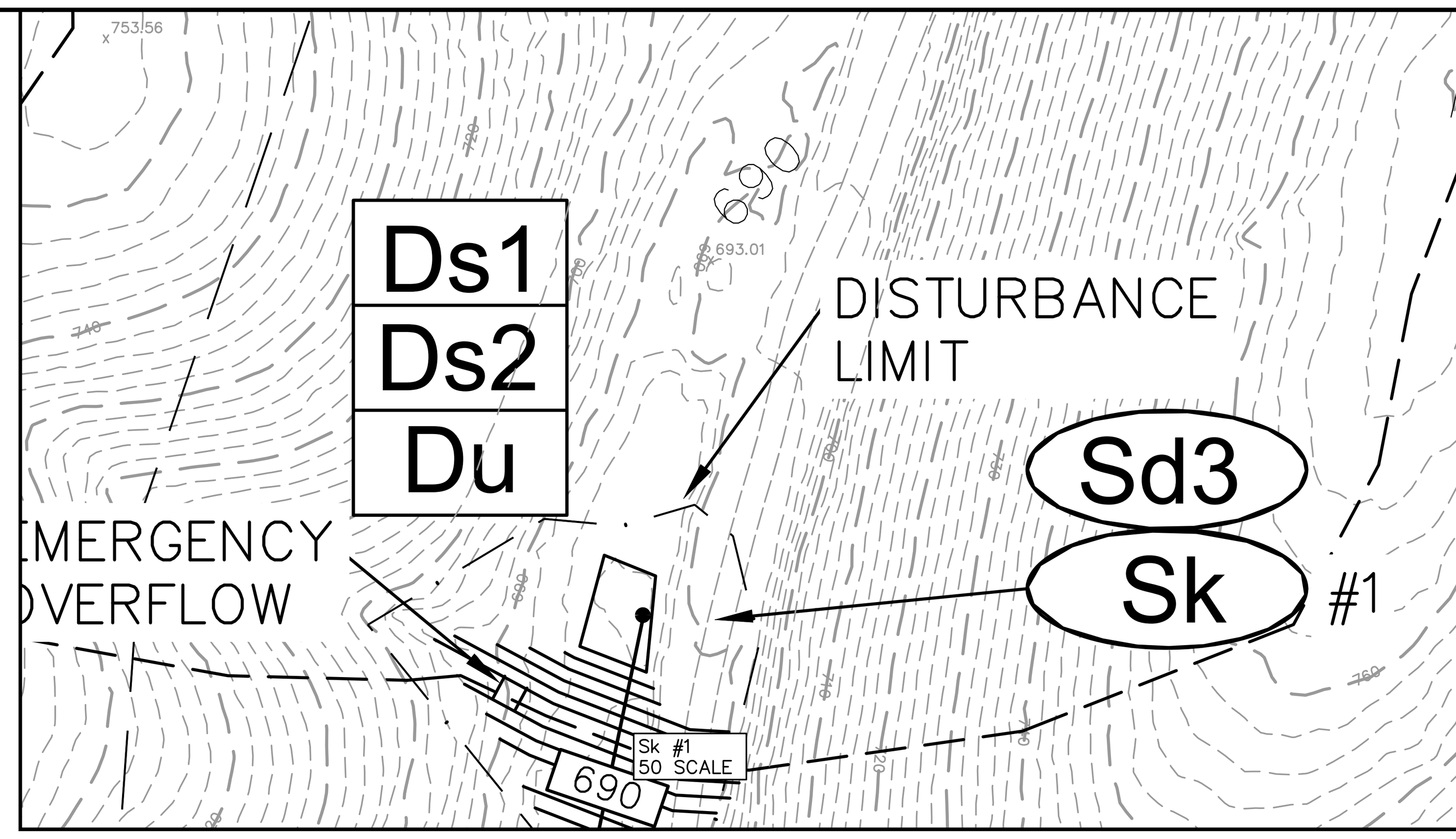
Revisions	Date
PCR 03	8/1/25

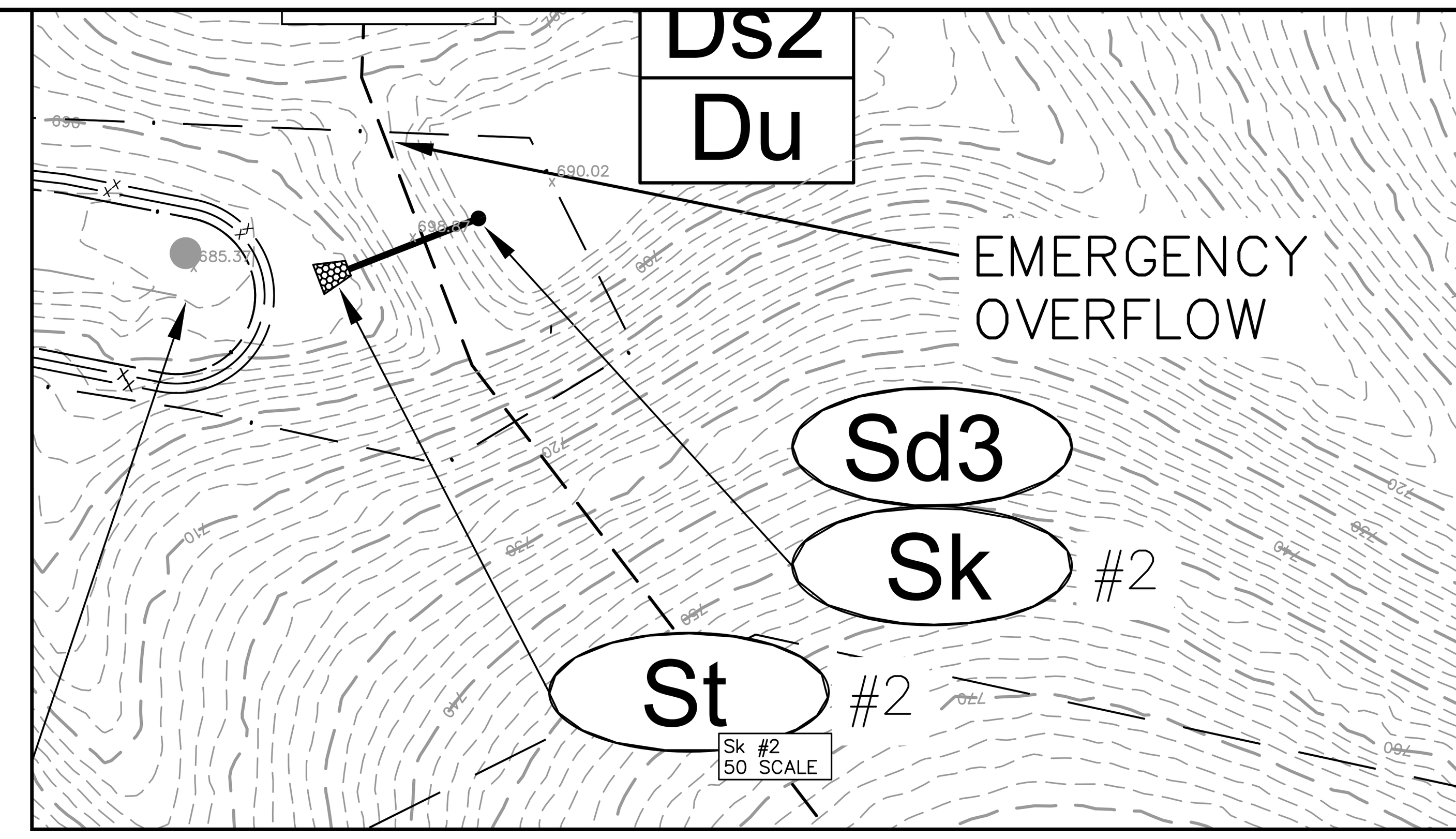
Drawing Title

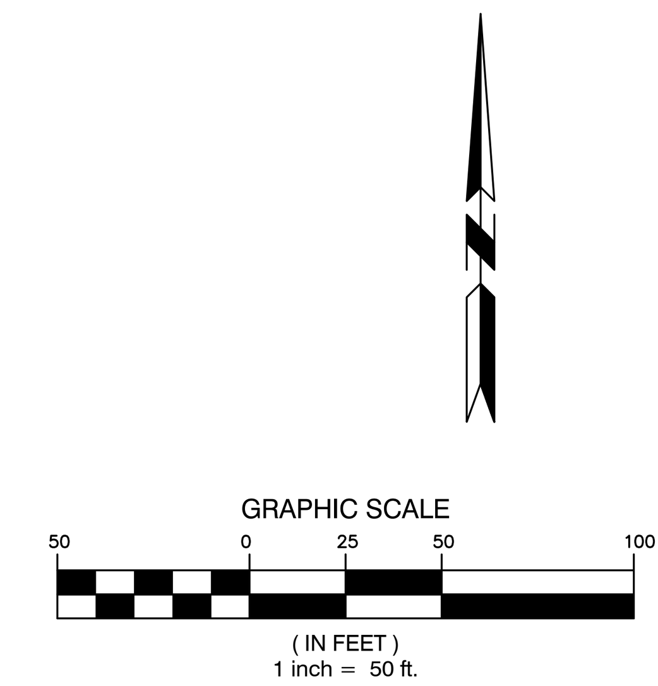
INITIAL PHASE SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN

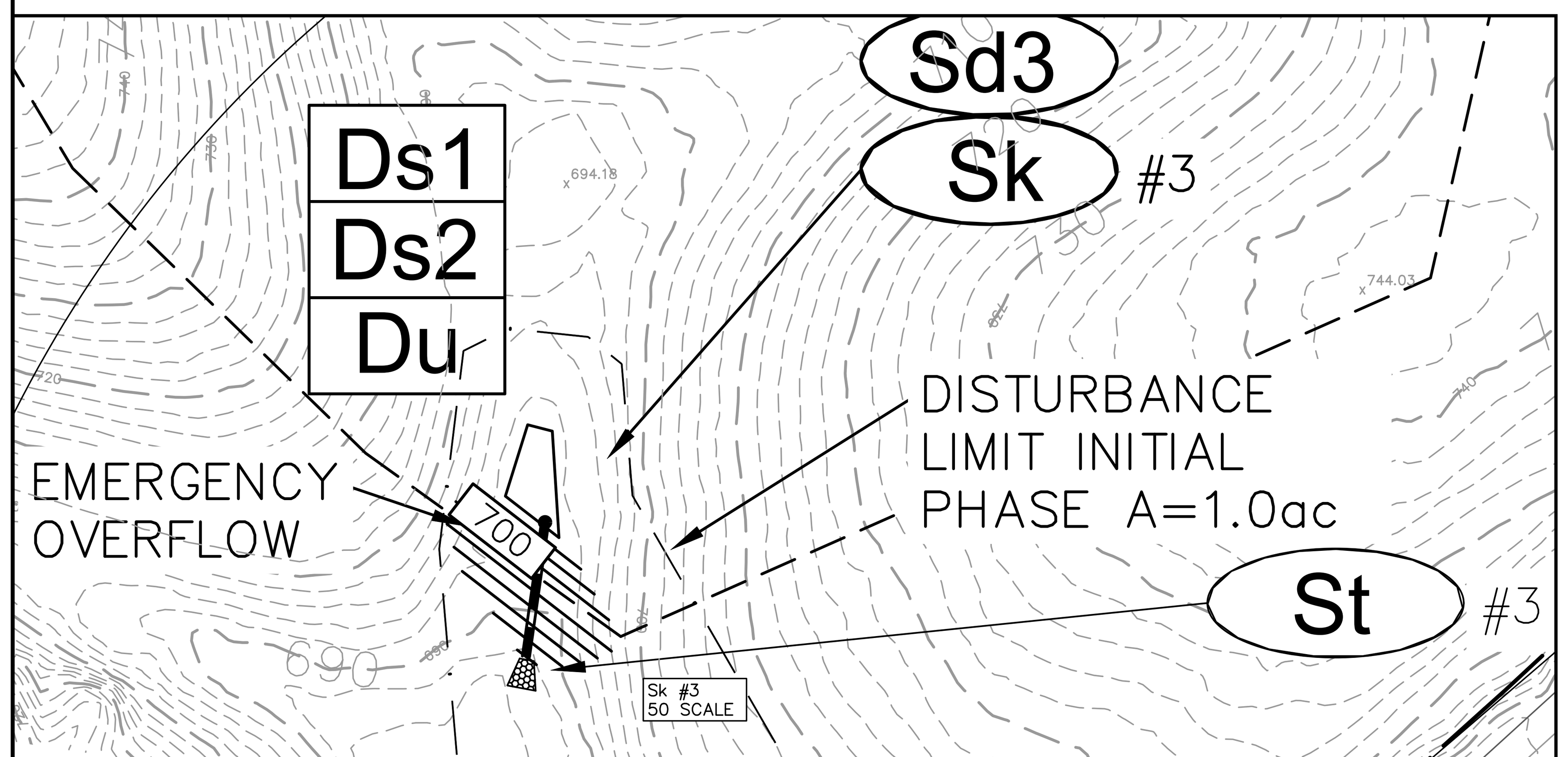
DATE	5/16/25	DRAWING NO. C2.0
PROJECT NO.	24-036	

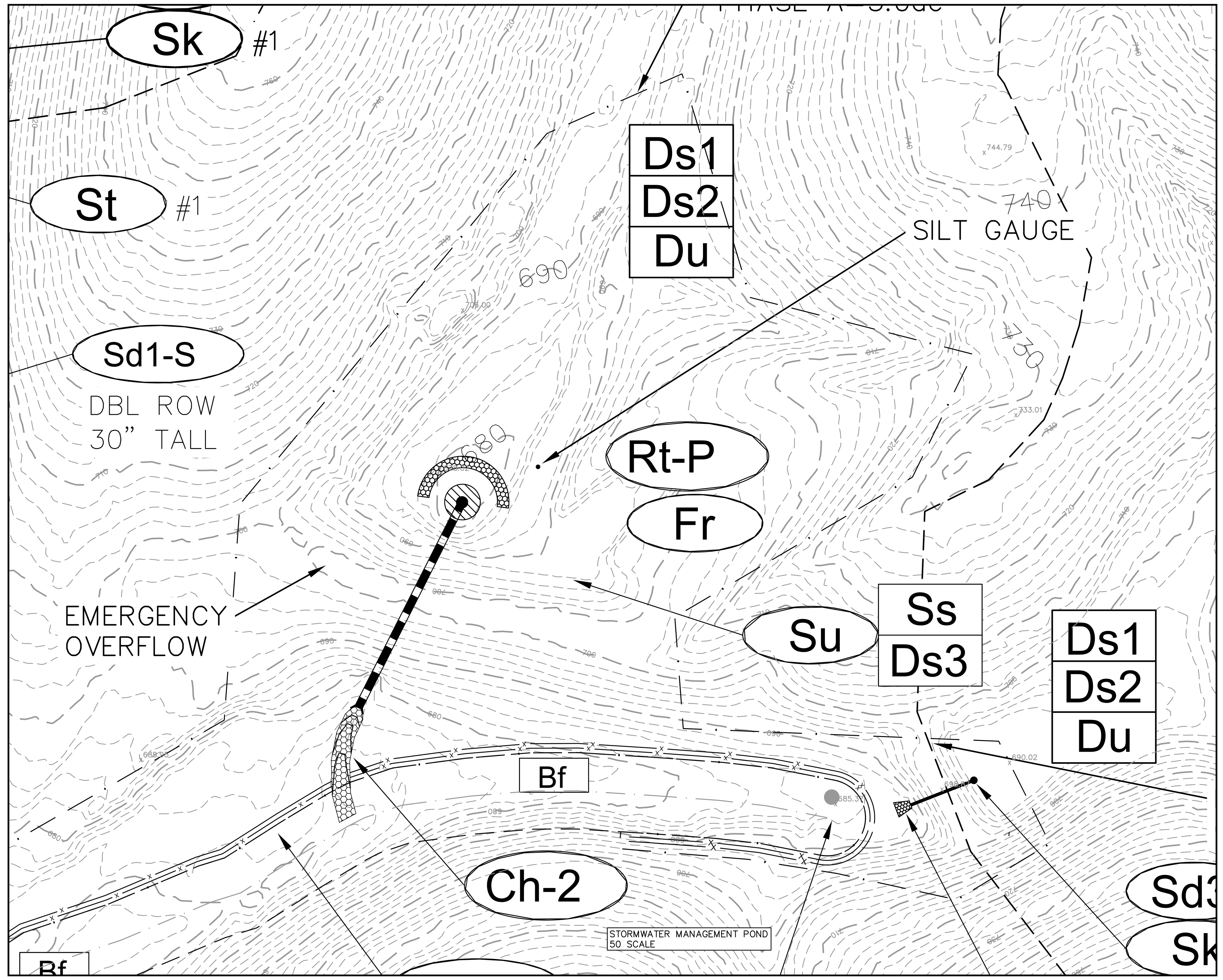


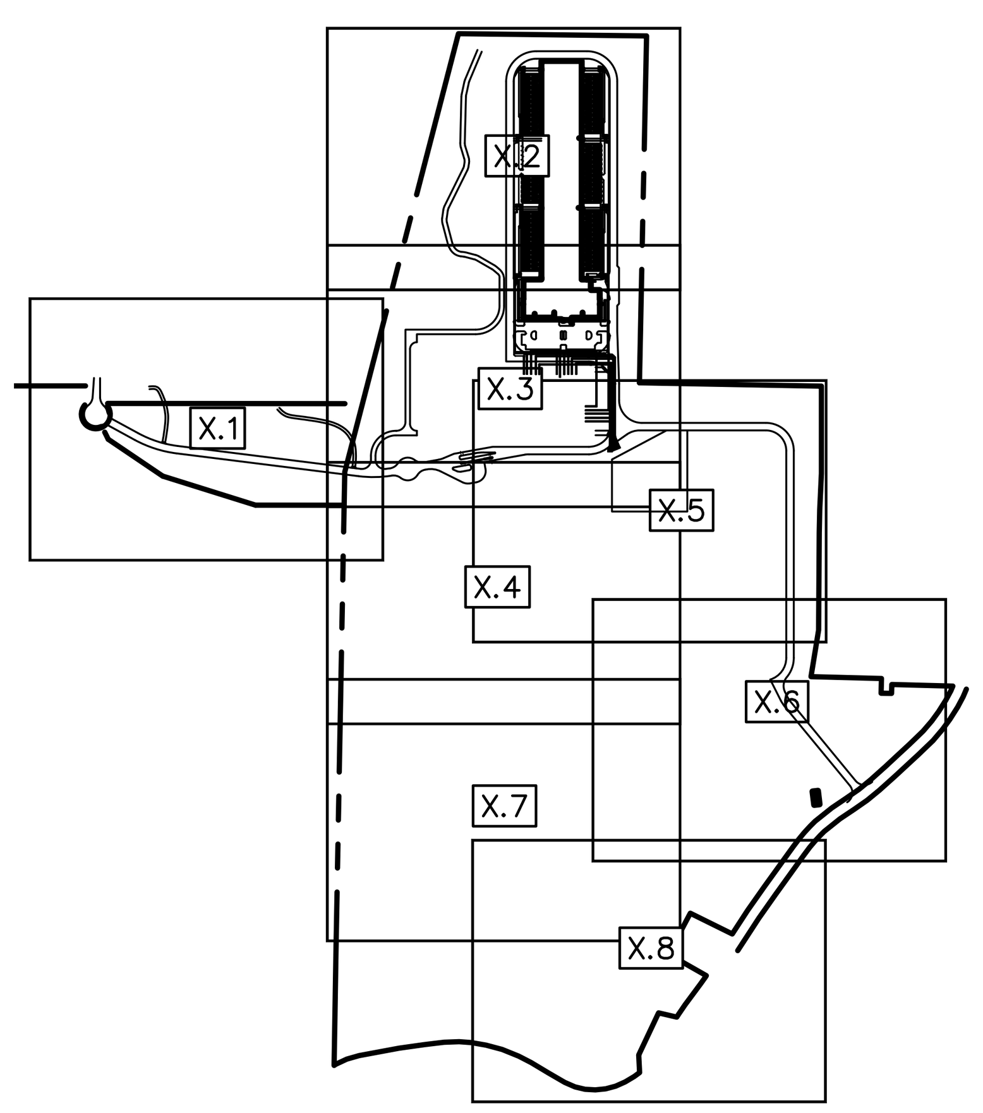












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INITIAL SUBMITTAL	3/24/25
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838 WALKER ROAD, SUITE 21-2105
DOVER, DE 19904

Revisions	Date
PCR 03	8/1/25

Drawing Title

INITIAL PHASE
SEDIMENT
STORAGE
50 SCALE PLAN

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C2.1

Sd3 Sk #1 (Sd3) (Sk) #1

AVG END METHOD

		Area		Stage-Storage		Cumulative Storage		
Stage	Elev (ft)	(sf)	(ac)	(cf)	(ac-ft)	(cf)	(ac-ft)	(cy)
0	684	430	0.00987144	0	0	0	0	
10	694	17,137	0.39341139	87,835	1.31137129	87,835	1.31137129	3,253

TOTAL AREA(sf)	TOTAL AREA(ac)		
1278916	29		
DISTURBED AREA(sf)	**DISTURBED AREA(ac)**	**REQUIRED VOLUME(cy)**	**PROVIDED VOLUME(cy)**
1278916	29	1967	3253

		CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION
Q_2(cfs)=	64		
Q_{25}(cfs)=	121	675	686

Sd3 Sk #2 (Sd3) (Sk) #2

AVG END METHOD

		Area		Stage-Storage		Cumulative Storage		
Stage	Elev (ft)	(sf)	(ac)	(cf)	(ac-ft)	(cf)	(ac-ft)	(cy)
0	682	488	0.01120294	0	0	0	0	
8	690	11,467	0.2632461	47,820	0.70198959	47,820	0.70198959	1,771

TOTAL AREA(sf)	TOTAL AREA(ac)		
702837	16		
DISTURBED AREA(sf)	**DISTURBED AREA(ac)**	**REQUIRED VOLUME(cy)**	**PROVIDED VOLUME(cy)**
702837	16	1081	1771

TOTAL AREA		CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION
Q_2(cfs)=	35		
Q_{25}(cfs)=	67	371	684

Sd3 Sk #3 (Sd3) (Sk) #3

AVG END METHOD

		Area		Stage-Storage		Cumulative Storage		
Stage	Elev (ft)	(sf)	(ac)	(cf)	(ac-ft)	(cf)	(ac-ft)	(cy)
0	694	1,003	0.02302571	0	0	0	0	
6	700	5,243	0.12036272	18,738	0.24072544	18,738	0.24072544	694

TOTAL AREA(sf)	TOTAL AREA(ac)		
347875	8		
DISTURBED AREA(sf)	**DISTURBED AREA(ac)**	**REQUIRED VOLUME(cy)**	**PROVIDED VOLUME(cy)**
131110	3	202	694

TOTAL AREA		CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION
Q_2(cfs)=	20		
Q_{25}(cfs)=	40	69	695

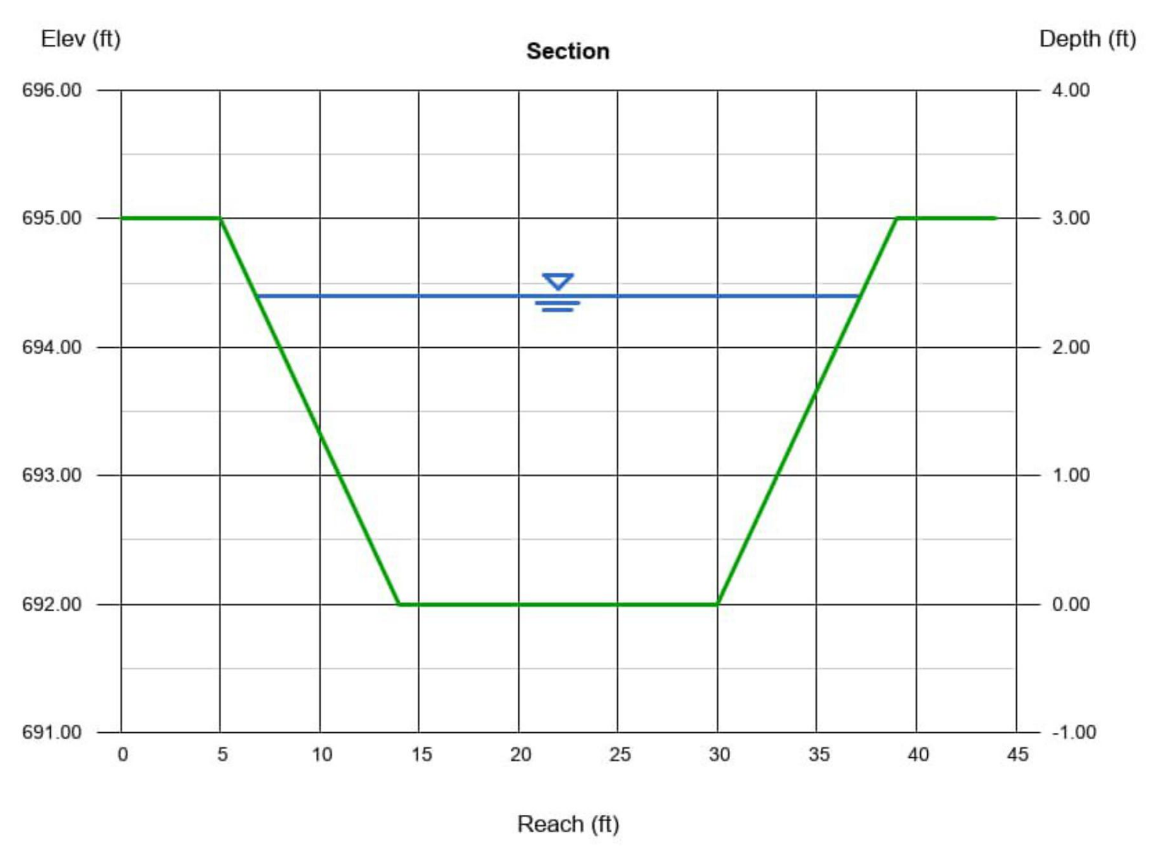
Channel Report

Hydraflow Express by Intelisolve — Tuesday, Mar 4 2025, 10:37 AM

Sd3 Sk 1 EMERGENCY OVERFLOW

Trapezoidal		Highlighted	
Botom Width (ft)	= 16.00	Depth (ft)	= 2.40
Side Slope (z:1)	= 3.00	Q (cfs)	= 121.00
Total Depth (ft)	= 3.00	Area (sqft)	= 55.68
Invert Elev (ft)	= 692.00	Velocity (ft/s)	= 2.17
Slope (%)	= 1.00	Wetted Perim (ft)	= 31.18
N-Value	= 0.100	Crit Depth, Yc (ft)	= 1.13
		Top Width (ft)	= 30.40
		EGL (ft)	= 2.47

Calculations
Compute by: Known Q
Known Q (cfs) = 121.00



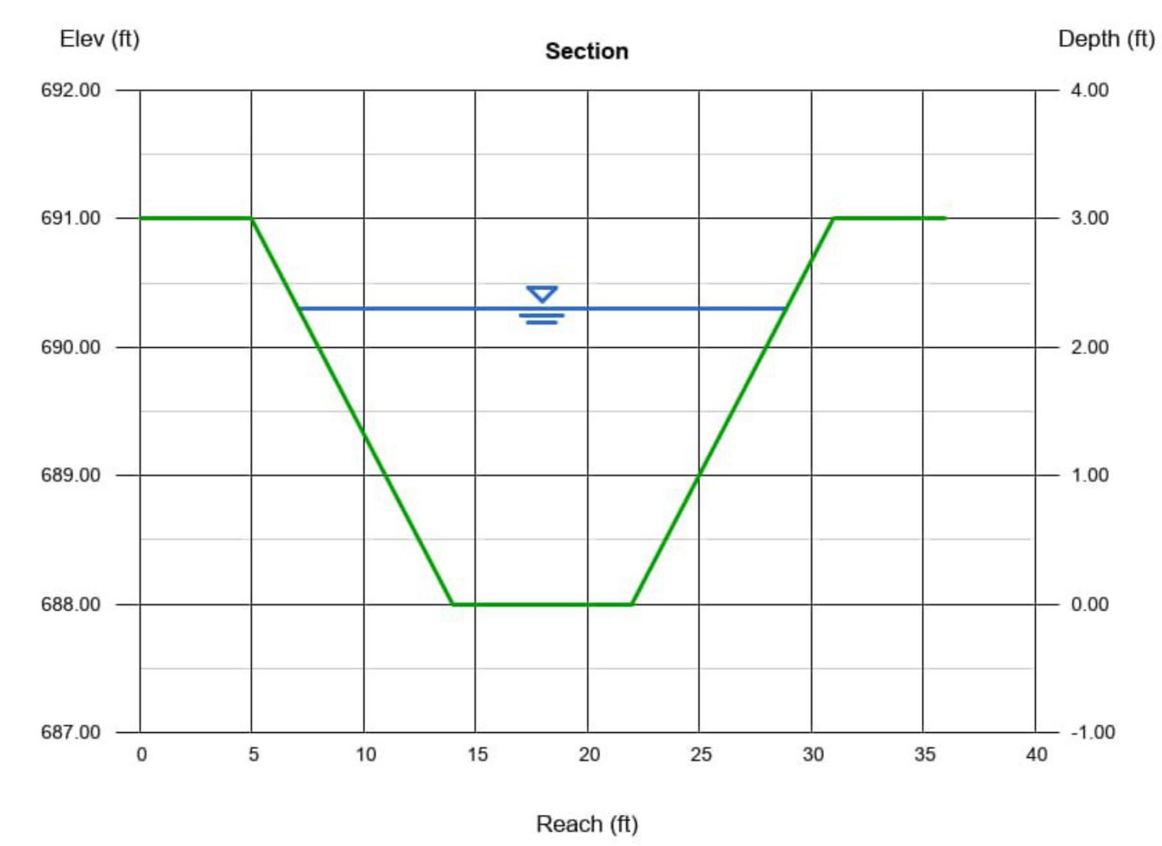
Channel Report

Hydraflow Express by Intelisolve — Tuesday, Mar 4 2025, 10:31 AM

Sd3 Sk 2 EMERGENCY OVERFLOW

Trapezoidal		Highlighted	
Botom Width (ft)	= 8.00	Depth (ft)	= 2.30
Side Slope (z:1)	= 3.00	Q (cfs)	= 67.00
Total Depth (ft)	= 3.00	Area (sqft)	= 34.27
Invert Elev (ft)	= 688.00	Velocity (ft/s)	= 1.96
Slope (%)	= 1.00	Wetted Perim (ft)	= 22.55
N-Value	= 0.100	Crit Depth, Yc (ft)	= 1.12
		Top Width (ft)	= 21.80
		EGL (ft)	= 2.36

Calculations
Compute by: Known Q
Known Q (cfs) = 67.00



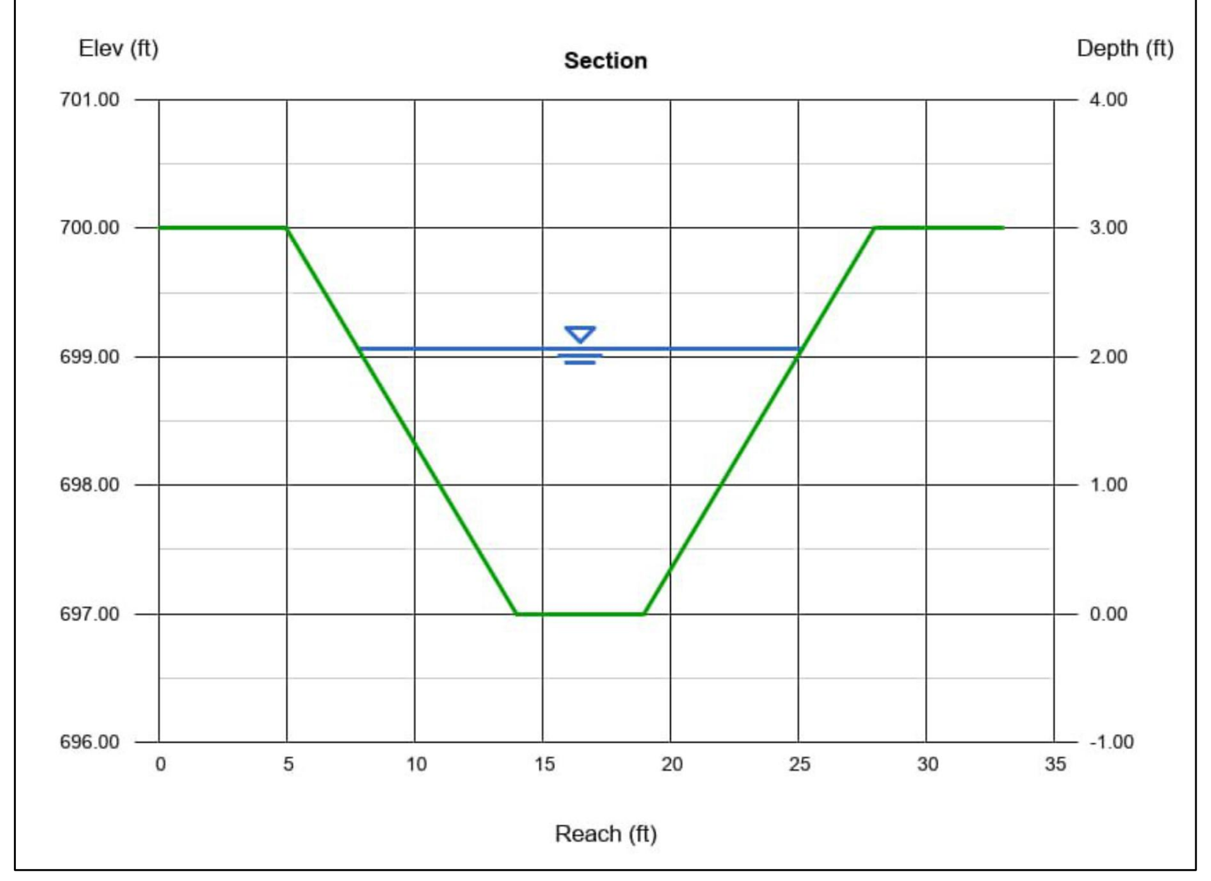
Channel Report

Hydraflow Express by Intelisolve — Wednesday, Mar 5 2025, 2:15 PM

Sd3 Sk 3 EMERGENCY OVERFLOW

Trapezoidal		Highlighted	
Botom Width (ft)	= 5.00	Depth (ft)	= 2.06
Side Slope (z:1)	= 3.00	Q (cfs)	= 40.00
Total Depth (ft)	= 3.00	Area (sqft)	= 23.03
Invert Elev (ft)	= 697.00	Velocity (ft/s)	= 1.74
Slope (%)	= 1.00	Wetted Perim (ft)	= 18.03
N-Value	= 0.100	Crit Depth, Yc (ft)	= 1.02
		Top Width (ft)	= 17.36
		EGL (ft)	= 2.11

Calculations
Compute by: Known Q
Known Q (cfs) = 40.00



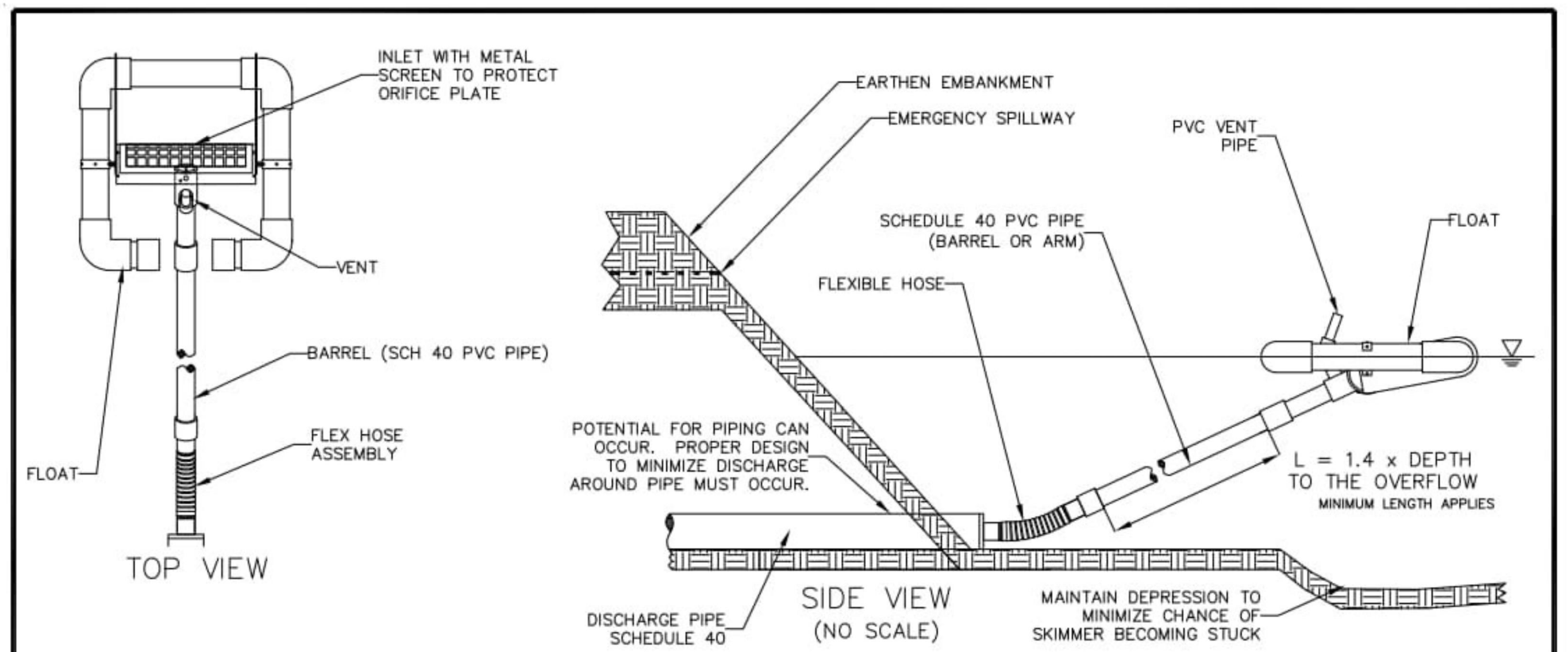
Sd4-C CALCULATIONS # 1 (Sd4-C)

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-P)

Rt # A

DISTURBED AREA =	49.96 ac		
HALF-ROUND DIA =	48"	HT =	48"
1. REQUIRED STORMWATER STORAGE (25yr) =			27327 cy
2. REQUIRED SEDIMENT STORAGE =			3348 cy
3. TOTAL REQUIRED STORAGE =			30675 cy
4. AVAILABLE STORAGE =			36692 cy
5. IS AVAILABLE STORAGE > REQUIRED STORAGE?			YES
7. CLEANOUT VOL =			1099 cy
8. CLEANOUT EL=			683.00
8. IS L:W > 2:1?			YES



CORE DALTON 4					
Name	**Skimmer Size**	**Orifice Dia.**	**Orifice RAD**	**Required Basin Volume**	**Days to Drain**
#1	4"	3 5/16"	1 11/16"	41607	3
#2	3"	2 11/16"	1 5/16"	23517	3
#3	2"	1 7/16"	3/4"	5454	3

NOTE:
INSTALL VALVE ON OUTFALL PIPE OF SKIMMER.

GENERAL NOTES:

1. FAIRCLOTH SKIMMER® FLOW RATES WERE USED AS THE BASIS OF DESIGN WHEN DETERMINING DRAINAGE CALCULATIONS. UTILIZING A PRODUCT FROM AN ALTERNATIVE MANUFACTURER WILL CREATE A SIGNIFICANT DEVIATION TO THE DESIGN AND MUST BE APPROVED AND RECALCULATED BY THE DESIGN ENGINEER.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. BARREL PIPE SHOULD BE 1.4 X DEPTH OF THE BASIN TO ENSURE PROPER FUNCTION.

DRAWN BY T. R. EVANS 08/24

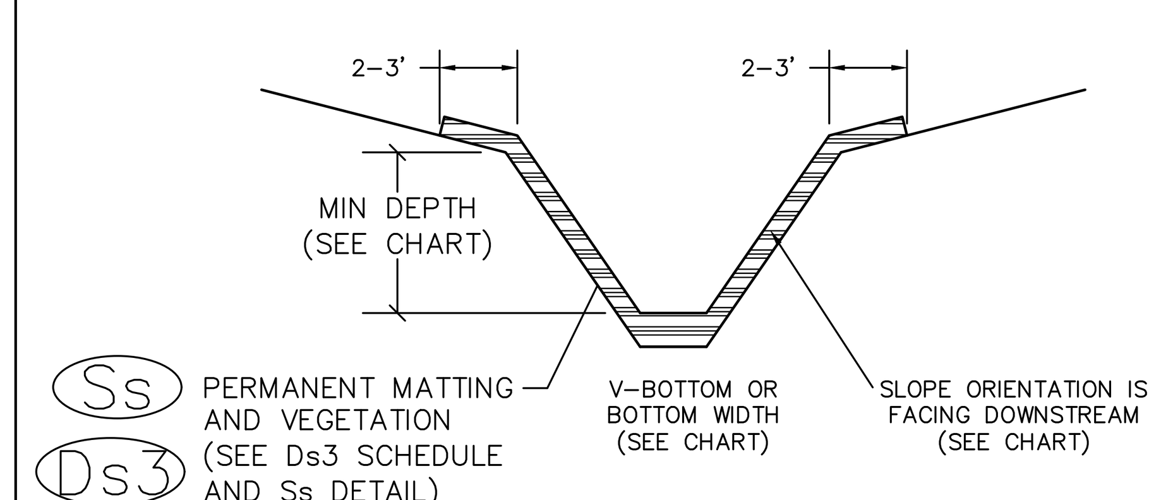
FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH EMBANKMENT

FAIRCLOTH SKIMMER
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732-1244
FAX: (919) 732-1266
EMAIL: SALES@FAIRCLOTHSKIMMER.COM

NOTE: USE CONTECH TRM C-45 PERMANENT TURF REINFORCEMENT MATTING FOR GRASS LINED DITCHES.

USE CONTECH C70/06 GEOTEXTILE FILTER FABRIC FOR RIPRAP LINED DITCHES.

(Ch-2)



PERMANENT CHANNEL STABILIZATION

SECTION	APPROX. LENGTH (LF)	MAX. FLOW 25yr(cfs)	MAX. VELOCITY 25yr(fps)	FLOW DEPTH(ft)	AVG SLOPE	BOTTOM WIDTH	DITCH DEPTH	LEFT SLOPE	RIGHT SLOPE	LINING
1	80	36.37	3.6	1.3'	7.5%	4'	1.5'	3:1	3:1	12" RIPRAP, 24" DEEP

(St) #1
Q_{25}=0.26 cfs
V_{25}=3.16 fps
TW < Pipe ½ ø
La=8'
W1=1'
W2=9'
Average stone diameter (d50)=6"
Stone depth (D)=12"

(St) #2
Q_{25}=0.11 cfs
V_{25}=2.63 fps
TW < Pipe ½ ø
La=8'
W1=1'
W2=9'
Average stone diameter (d50)=6"
Stone depth (D)=12"

(St) #3
Q_{25}=0.44 cfs
V_{25}=2.03 fps
TW < Pipe ½ ø
La=8'
W1=1'
W2=9'
Average stone diameter (d50)=6"
Stone depth (D)=12"

RELEASE SCHEDULE

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

RICHARDS & ASSOCIATES ENGINEERING, INC.
CIVIL ENGINEERING + LAND PLANNING
P.O. BOX 220 CHATSWORTH, GA 30705
(706) 616-5906

GA PROFESSIONAL ENGINEER NO. 26730
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

Revisions	Date
PCR 03	8/1/25

Drawing Title

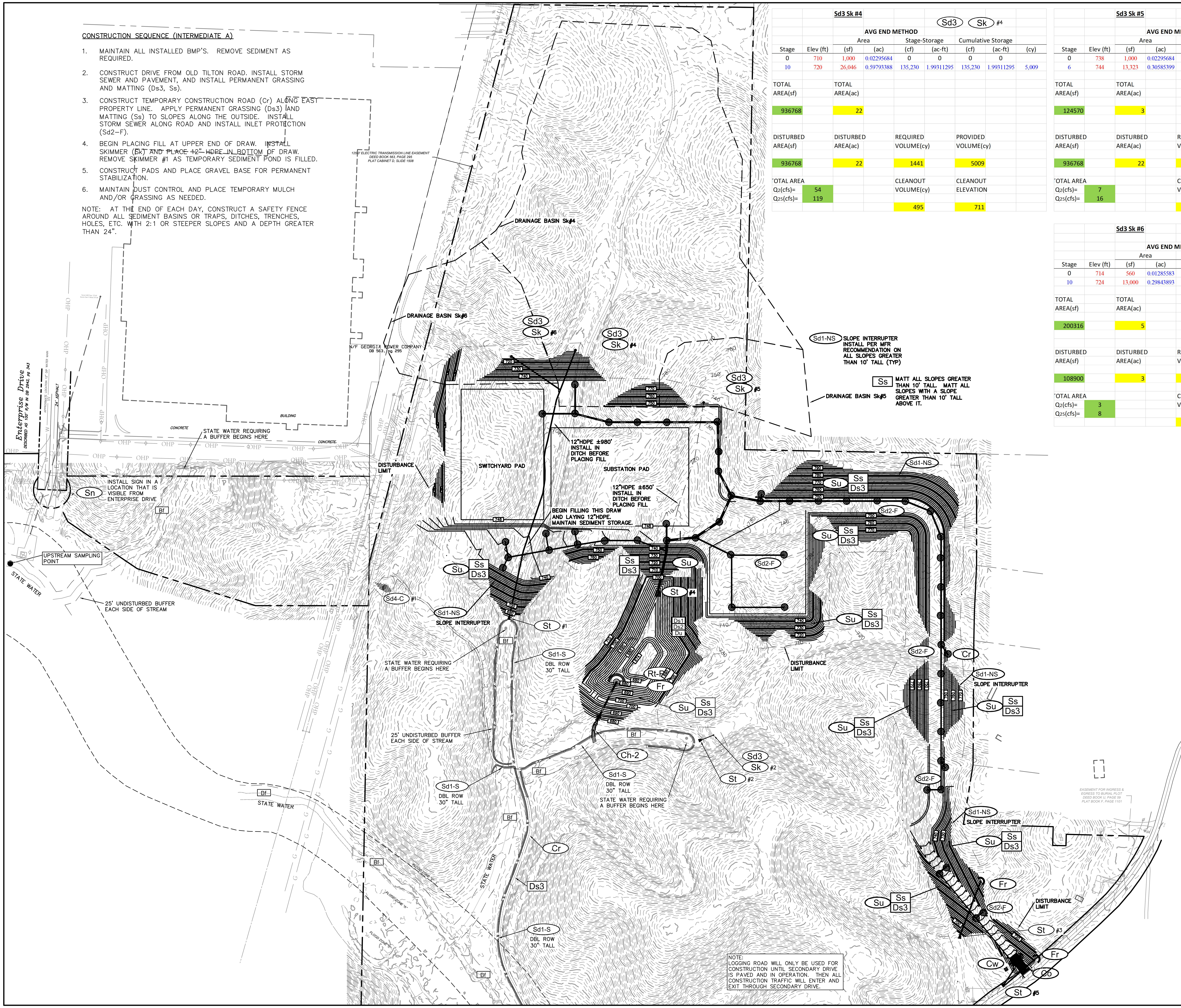
INITIAL PHASE SEDIMENT STORAGE CALCULATIONS

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

CONSTRUCTION SEQUENCE (INTERMEDIATE A)

1. MAINTAIN ALL INSTALLED BMP'S. REMOVE SEDIMENT AS REQUIRED.
2. CONSTRUCT DRIVE FROM OLD TILTON ROAD. INSTALL STORM SEWER AND PAVEMENT, AND INSTALL PERMANENT GRASSING AND MATTING (Ds3, Ss).
3. CONSTRUCT TEMPORARY CONSTRUCTION ROAD (Cr) ALONG EAST PROPERTY LINE. APPLY PERMANENT GRASSING (Ds3) AND MATTING (Ss) TO SLOPES ALONG THE OUTSIDE. INSTALL STORM SEWER ALONG ROAD AND INSTALL INLET PROTECTION (Sd2–F).
4. BEGIN PLACING FILL AT UPPER END OF DRAW. INSTALL SKIMMER (Sk) AND PLACE 12" HDPE IN BOTTOM OF DRAW. REMOVE SKIMMER #1 AS TEMPORARY SEDIMENT POND IS FILLED.
5. CONSTRUCT PADS AND PLACE GRAVEL BASE FOR PERMANENT STABILIZATION.
6. MAINTAIN DUST CONTROL AND PLACE TEMPORARY MULCH AND/OR GRASSING AS NEEDED.

NOTE: AT THE END OF EACH DAY, CONSTRUCT A SAFETY FENCE AROUND ALL SEDIMENT BASINS OR TRAPS, DITCHES, TRENCHES, HOLES, ETC. WITH 2:1 OR STEEPER SLOPES AND A DEPTH GREATER THAN 24".



Sd3 Sk #4

(Sd3) (Sk) #4

AVG END METHOD

Stage	Elev (ft)	Area (sf)	Area (ac)	Stage-Storage (cf)	Stage-Storage (ac-ft)	Cumulative Storage (cf)	Cumulative Storage (ac-ft)	Cumulative Storage (cy)
0	710	1,000	0.02295684	0	0	0	0	
10	720	26,046	0.59793388	135,230	1.99311295	135,230	1.99311295	5,009

TOTAL AREA(sf)	TOTAL AREA(ac)		
936768	22		
DISTURBED AREA(sf)	DISTURBED AREA(ac)	REQUIRED VOLUME(cy)	PROVIDED VOLUME(cy)
936768	22	1441	5009
TOTAL AREA Q2(cfs)= 54		CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION
Q25(cfs)= 119		495	711

Sd3 Sk #5

(Sd3) (Sk) #5

AVG END METHOD

Stage	Elev (ft)	Area (sf)	Area (ac)	Stage-Storage (cf)	Stage-Storage (ac-ft)	Cumulative Storage (cf)	Cumulative Storage (ac-ft)	Cumulative Storage (cy)
0	738	1,000	0.02295684	0	0	0	0	
6	744	13,323	0.30585399	42,969	0.61170799	42,969	0.61170799	1,591

TOTAL AREA(sf)	TOTAL AREA(ac)		
124570	3		
DISTURBED AREA(sf)	DISTURBED AREA(ac)	REQUIRED VOLUME(cy)	PROVIDED VOLUME(cy)
936768	22	1441	1591
TOTAL AREA Q2(cfs)= 7		CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION
Q25(cfs)= 16		495	740

Sd3 Sk #6

(Sd3) (Sk) #6

AVG END METHOD

Stage	Elev (ft)	Area (sf)	Area (ac)	Stage-Storage (cf)	Stage-Storage (ac-ft)	Cumulative Storage (cf)	Cumulative Storage (ac-ft)	Cumulative Storage (cy)
0	714	560	0.01285583	0	0	0	0	
10	724	13,000	0.29843893	67,800	0.99479645	67,800	0.99479645	2,511

TOTAL AREA(sf)	TOTAL AREA(ac)		
200316	5		
DISTURBED AREA(sf)	DISTURBED AREA(ac)	REQUIRED VOLUME(cy)	PROVIDED VOLUME(cy)
108900	3	168	2511
TOTAL AREA Q2(cfs)= 3		CLEANOUT VOLUME(cy)	CLEANOUT ELEVATION
Q25(cfs)= 8		58	714

(St) #4

Q_{25}=120 cfs
V_{25}=12.8 fps
TW > Pipe ½ ø

La=50'
W1=12'
W2=24'
Average stone diameter (d50)=12"
Stone depth (D)=24"

(St) #5

Q_{25}=11.2 cfs
V_{25}=8.6 fps
TW < Pipe ½ ø

La=10'
W1=8'
W2=18'
Average stone diameter (d50)=8"
Stone depth (D)=16"

GRAPHIC SCALE
150 0 75 150 300
(IN FEET)
1 inch = 150 ft.

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

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GA PROFESSIONAL ENGINEER NO. 26730
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

Revisions	Date
PCR 03	8/1/25

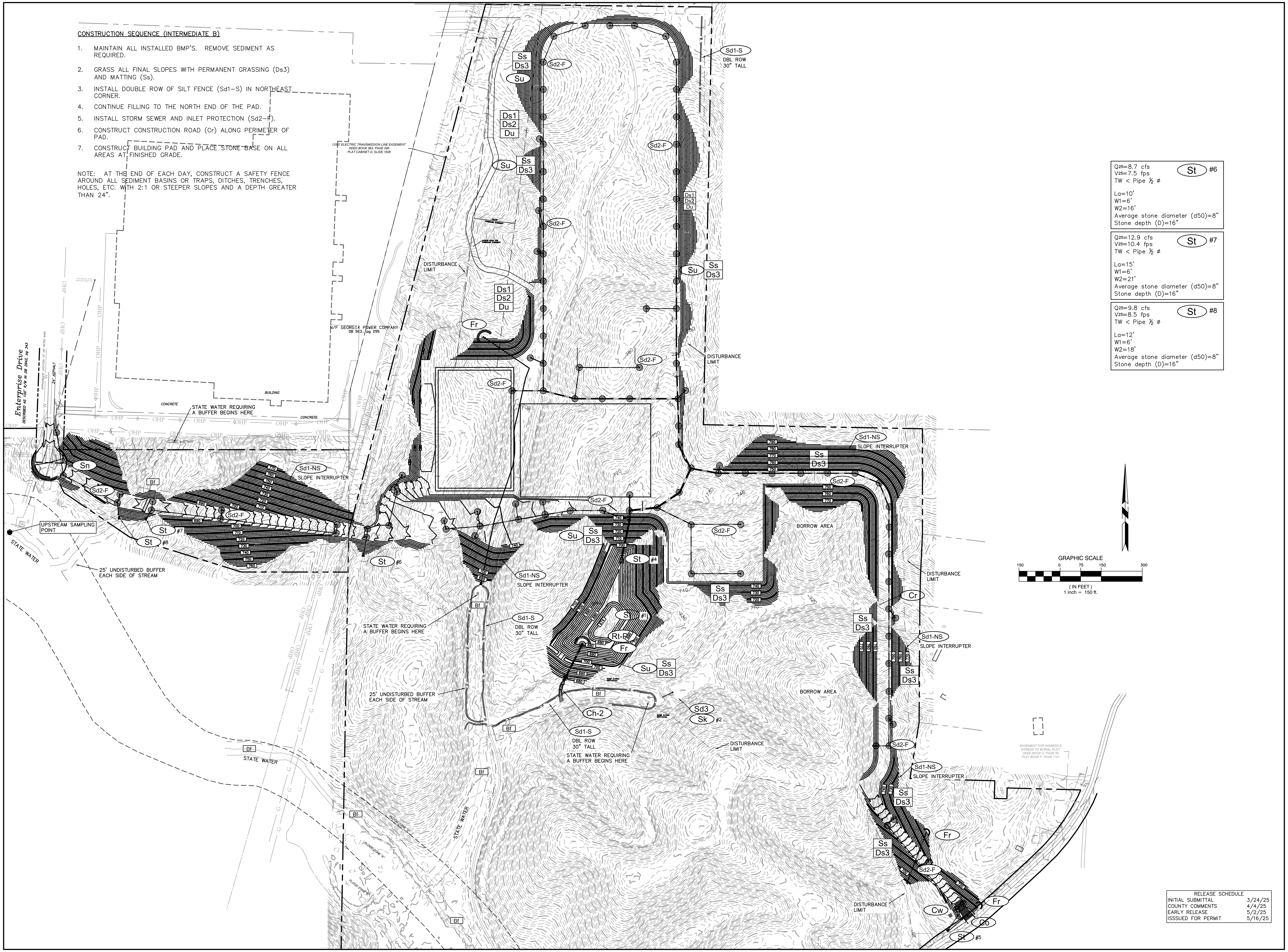
Drawing Title
INTERMEDIATE A SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C3.0

CONSTRUCTION SEQUENCE (INTERMEDIATE B)

1. MAINTAIN ALL INSTALLED BMP'S. REMOVE SEDIMENT AS REQUIRED.
2. GRASS ALL FINAL SLOPES WITH PERMANENT GRASSING (Ds3) AND MATTING (Ss).
3. INSTALL DOUBLE ROW OF SILT FENCE (Sd1–S) IN NORTHEAST CORNER.
4. CONTINUE FILLING TO THE NORTH END OF THE PAD.
5. INSTALL STORM SEWER AND INLET PROTECTION (Sd2–F).
6. CONSTRUCT CONSTRUCTION ROAD (Cr) ALONG PERIMETER OF PAD.
7. CONSTRUCT BUILDING PAD AND PLACE STONE BASE ON ALL AREAS AT FINISHED GRADE.

NOTE: AT THE END OF EACH DAY, CONSTRUCT A SAFETY FENCE AROUND ALL SEDIMENT BASINS OR TRAPS, DITCHES, TRENCHES, HOLES, ETC. WITH 2:1 OR STEEPER SLOPES AND A DEPTH GREATER THAN 24".



St #6
Q_{25}=8.7 cfs
V_{25}=7.5 fps
TW < Pipe ½ ø
La=10'
W1=6'
W2=16'
Average stone diameter (d50)=8"
Stone depth (D)=16"

St #7
Q_{25}=12.9 cfs
V_{25}=10.4 fps
TW < Pipe ½ ø
La=15'
W1=6'
W2=21'
Average stone diameter (d50)=8"
Stone depth (D)=16"

St #8
Q_{25}=9.8 cfs
V_{25}=8.5 fps
TW < Pipe ½ ø
La=12'
W1=6'
W2=18'
Average stone diameter (d50)=8"
Stone depth (D)=16"

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

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DALTON, GA

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THIS DRAWING SHEET MAY BE PART OF A COMPLETE SET OF DESIGN DRAWINGS AND SHOULD NOT BE SEPARATED FROM THE SET. INFORMATION PERTINENT TO THIS SHEET MAY BE FOUND ON OTHER SHEETS IN THE SET.

IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY, AND SHALL NOT COMMENCE OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

THESE PLANS CANNOT BE USED FOR CONSTRUCTION UNTIL THEY HAVE BEEN APPROVED, STAMPED AND SIGNED BY THE APPROPRIATE AUTHORITIES AND ALL NECESSARY PERMITS HAVE BEEN OBTAINED BY THE OWNER. THE OWNER IS RESPONSIBLE FOR PROCURING ALL NECESSARY PERMITS.

Revisions	Date
PCR 03	8/1/25

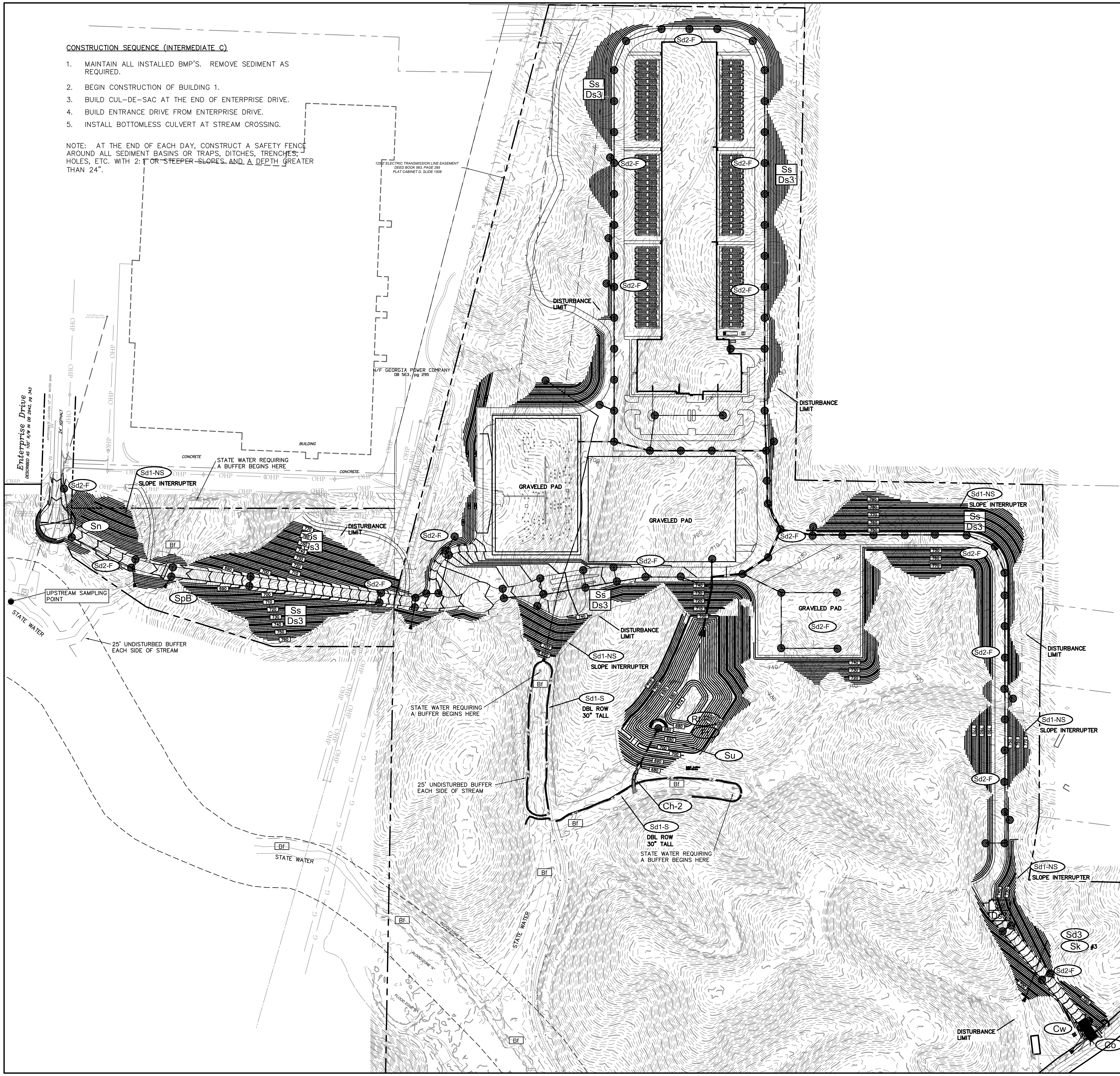
Drawing Title
INTERMEDIATE B SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN

DATE	5/16/25	DRAWING NO. C3.1
PROJECT NO.	24-036	

CONSTRUCTION SEQUENCE (INTERMEDIATE C)

1. MAINTAIN ALL INSTALLED BMP'S. REMOVE SEDIMENT AS REQUIRED.
2. BEGIN CONSTRUCTION OF BUILDING 1.
3. BUILD CUL-DE-SAC AT THE END OF ENTERPRISE DRIVE.
4. BUILD ENTRANCE DRIVE FROM ENTERPRISE DRIVE.
5. INSTALL BOTTOMLESS CULVERT AT STREAM CROSSING.

NOTE: AT THE END OF EACH DAY, CONSTRUCT A SAFETY FENCE AROUND ALL SEDIMENT BASINS OR TRAPS, DITCHES, TRENCHES, HOLES, ETC. WITH 2:1 OR STEEPER SLOPES AND A DEPTH GREATER THAN 24".



St #4

Q_{25}=15 cfs
V_{25}=7.6 fps
TW < Pipe ½ ø

La=12'
W1=6'
W2=18'
Average stone diameter (d50)=6"
Stone depth (D)=12"

St #5

Q_{25}=22 cfs
V_{25}=9.2 fps
TW < Pipe ½ ø

La=12'
W1=6'
W2=18'
Average stone diameter (d50)=6"
Stone depth (D)=12"

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

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GA PROFESSIONAL ENGINEER NO. 26730
LEVEL II CERTIFIED DESIGN PROFESSIONAL NO. 8688

PROJECT
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ENTERPRISE DRIVE
DALTON, GA

CLIENT
CORE SCIENTIFIC, INC.
838 WALKER ROAD, SUITE 21-2105
DOVER, DE 19904

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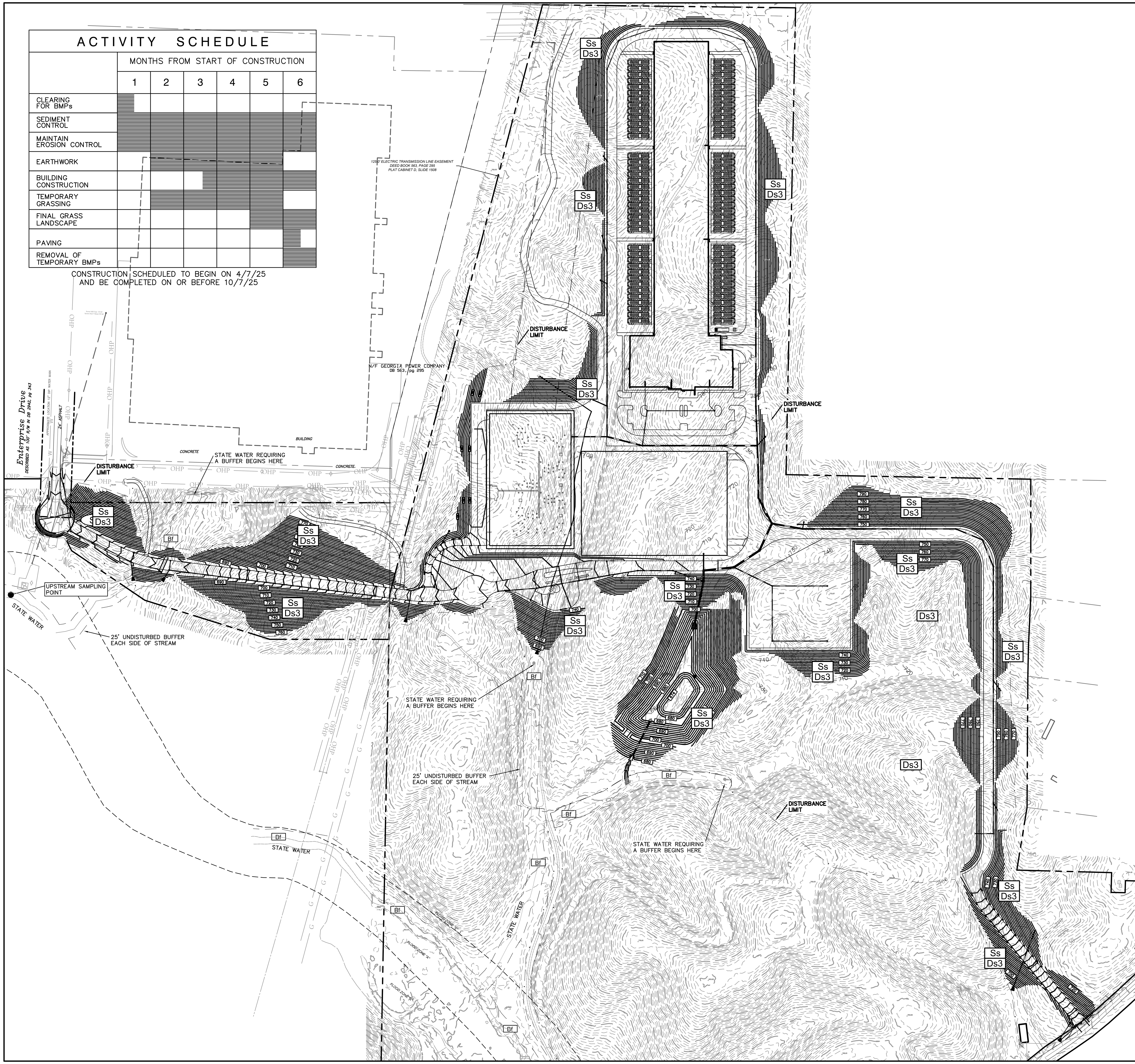
Revisions	Date
PCR 03	8/1/25

Drawing Title

INTERMEDIATE C SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C3.2



ACTIVITY SCHEDULE

	MONTHS FROM START OF CONSTRUCTION					
	1	2	3	4	5	6
CLEARING FOR BMPs						
SEDIMENT CONTROL						
MAINTAIN EROSION CONTROL						
EARTHWORK						
BUILDING CONSTRUCTION						
TEMPORARY GRASSING						
FINAL GRASS LANDSCAPE						
PAVING						
REMOVAL OF TEMPORARY BMPs						

CONSTRUCTION SCHEDULED TO BEGIN ON 4/7/25 AND BE COMPLETED ON OR BEFORE 10/7/25

CONSTRUCTION SEQUENCE (FINAL PHASE)

1. MAINTAIN ALL INSTALLED BMP'S. REMOVE SEDIMENT AS REQUIRED. MAINTAIN MONITORING PROGRAM.
2. COMPLETE GRADING OPERATIONS AND STABILIZE ALL DISTURBED AREAS WITH THE APPROPRIATE PERMANENT VEGETATION OR OTHER SURFACE TREATMENT. INSTALL MATTING ON ALL POND SLOPES AND 4" OF STRAW ON ALL OTHER DISTURBED AREAS.
3. REMOVE CONCRETE WASHOUT BASIN. STABILIZE THE AREA WITH THE APPROPRIATE PERMANENT VEGETATION.
4. ONCE FINAL STABILIZATION HAS BEEN ACHIEVED IN ALL OTHER AREAS, REMOVE PERIMETER SILT FENCE AND CONSTRUCTION EXITS. STABILIZE THESE AREAS WITH THE APPROPRIATE PERMANENT VEGETATION. BY DEFINITION, FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

NOTE: AT THE END OF EACH DAY, CONSTRUCT A SAFETY FENCE AROUND ALL SEDIMENT BASINS OR TRAPS, DITCHES, TRENCHES, HOLES, ETC. WITH 2:1 OR STEEPER SLOPES AND A DEPTH GREATER THAN 24".

HYDROLOGY SUMMARY

EXISTING:
Q_2=70.44 cfs
Q_{25}=167.24 cfs

PROPOSED:
Q_2=28.48 cfs
Q_{25}=60.22 cfs

SEE HYDROLOGY STUDY PREPARED BY RICHARDS & ASSOCIATES, DATED 3/24/25.

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

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GEORGIA REGISTERED No. 26730 PROFESSIONAL ENGINEER STEPHEN R. RICHARDS

GA PROFESSIONAL ENGINEER NO. 26730
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

Revisions	Date
PCR 03	8/1/25

Drawing Title

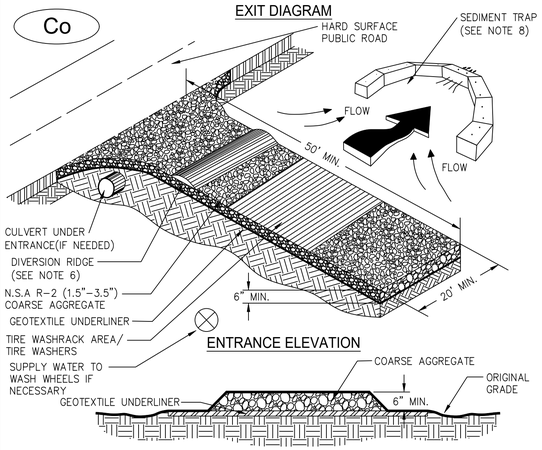
FINAL PHASE SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C4.0

CRUSHED STONE CONSTRUCTION EXIT

Co

EXIT DIAGRAM



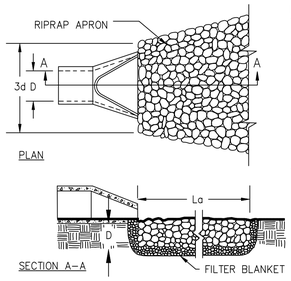
ENTRANCE ELEVATION

NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

RIPRAP OUTLET PROTECTION

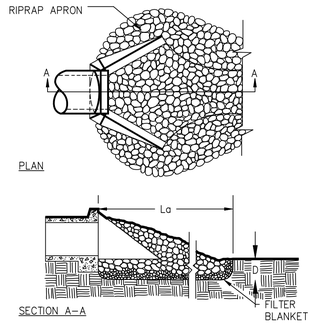
PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL

St



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESSTHAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

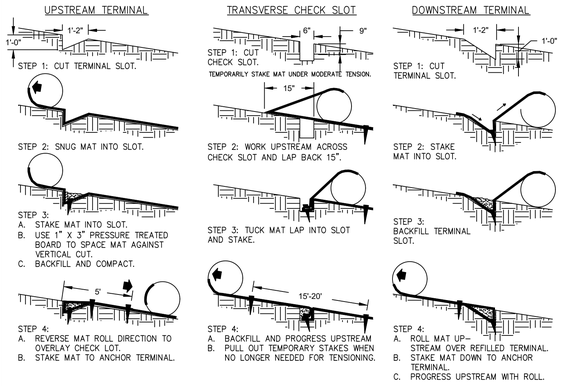
PIPE OUTLET TO WELL DEFINED CHANNEL



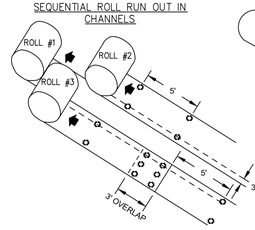
TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS

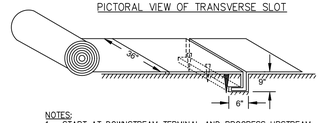
Ss



SEQUENTIAL ROLL RUN OUT IN CHANNELS



PICTORAL VIEW OF TRANSVERSE SLOT



NOTES:
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
5. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

State of Georgia
Department of Natural Resources
Environmental Protection Division

Permit No. GAR100001

APPENDIX B

Nephelometric Turbidity Unit (NTU) TABLES

Trout Streams

Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	25	50	75	150	300	500	500	500
10.01-25	25	25	50	75	150	200	500	500
25.01-50	25	25	25	50	75	100	300	500
50.01-100	20	25	25	35	59	75	150	300
100.01+	20	20	25	25	25	50	60	100

Waters Supporting Warm Water Fisheries

Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

To use these tables, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is the one to use in Part III.D.4.

Example 1: For a site size of 12.5 acres and a "trout stream" drainage area of 37.5 square miles, the NTU value to use in Part III.D.4. is 75 NTU.

Example 2: For a site size of 51.7 acres and "waters supporting warm water fisheries" drainage area of 72 square miles, the NTU value to use in Part III.D.4. is 100 NTU.

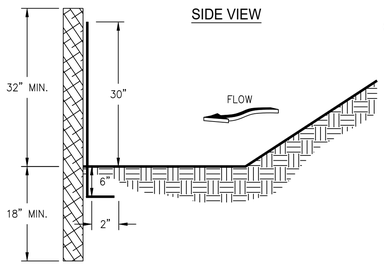
RATIONALE FOR SELECTION OF NTU LIMIT:

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

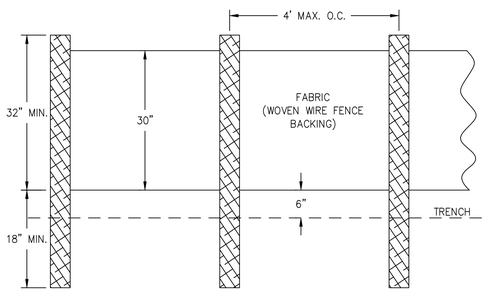
SILT FENCE - TYPE SENSITIVE

SIDE VIEW

Sd1-S



FRONT VIEW

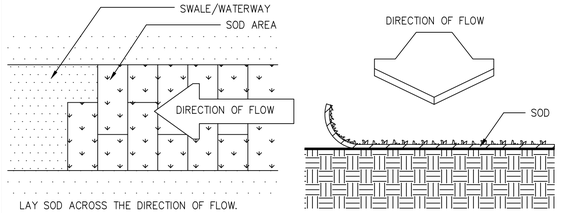


NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SODDED WATERWAYS

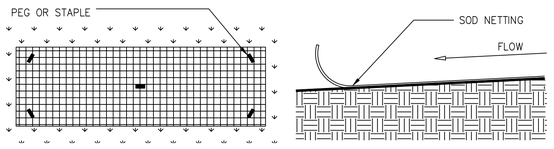
Ds4

SOD DIRECTIONS



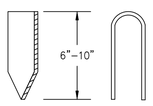
LAY SOD ACROSS THE DIRECTION OF FLOW.

NETTING DIRECTIONS



LAY NET WITH THE DIRECTION OF FLOW.

PEG DETAIL

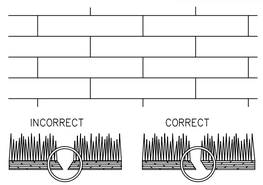


IN CRITICAL AREAS, SECURE SOD WITH NETTING USING STAPLES.

USE PEGS OR STAPLES TO FASTEN SOD FIRMLY -- AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3-4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.

SOD MAINTENANCE AND INSTALLATION

SOD LAYOUT AND PREPARATION



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

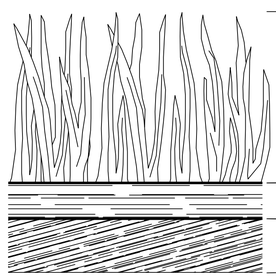
DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD



SHOOTS OR GRASS BLADES: GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

THATCH: GRASS CLIPPINGS AND DEAD LEAVES (UP TO 1/2" THICK).

ROOT ZONE: SOIL AND ROOTS. SHOULD BE 1/2"-3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

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GEORGIA REGISTERED No. 26730 PROFESSIONAL ENGINEER STEPHEN R. RICHARDS

GA PROFESSIONAL ENGINEER NO. 26730
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

Revisions | Date

Drawing Title

SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C5.0

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) – 4 INCH MINIMUM COVERAGE

Ds2 PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

Species	Broadcast Rates 2/ – PLS 3/ Per Acre	Per 1000 sq. ft.	Resource Area	Planting Dates by Resource Areas – Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissable but marginal dates.) J F M A M J J A S O N D	Remarks
MILLET, PEARL (Pennesetum glaucum) alone	50 lbs.	1.1 lb	M–L	J F M A M J J A S O N D	88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS (Avena sativa) alone	4 bu. (128 lbs.)	2.9 lb	M–L	J F M A M J J A S O N D	13,000 seed per pound. Use on productive soils. Not as winterhardy as rye or barley
in mixtures	1 bu. (32 lbs.)	0.7 lb			
RYE (Secale cereale) alone	3 bu. (168 lbs.)	3.9 lb	M–L	J F M A M J J A S O N D	18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
in mixtures	1/2 bu. (28 lbs.)	0.6 lb			
RYEGRASS, ANNUAL (Lolium temulentum) alone	40 lbs.	0.9 lb	M–L	J F M A M J J A S O N D	227,000 seed per pound. Dense cover. Very competitive in mixtures.
in mixtures	10 lbs.	0.2 lb			
SUDANGRASS (Sorghum sudanese) alone	60 lbs.	1.4 lb	M–L		55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.

Ds3 PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

Species	Broadcast Rates 1/ – PLS 2/ Per Acre	Per 1000 sq. ft.	Resource Area 3/	Planting Dates by Resource Areas – Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissable but marginal dates.) J F M A M J J A S O N D	Remarks
BERMUDA SPRIGS (Cynodon dactylon) Coastal, Common, Midland, or Tift 44; Coastal, Common, or Tift 44; Tift 78	40 cu. ft. or spd plugs 3' x 3'	0.9 cu. ft.	M–L	J F M A M J J A S O N D	A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs.
BAHIA, WILMINGTON (Paspalum notatum) alone or with temorary cover	60 lbs.	1.4 lb	M–L	J F M A M J J A S O N D	166,000 seed per pound. Low growing. Sod froming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericia lespedeza or weeping lovegrass.
with other perennials	30 lbs.	0.7 lb			
CROWNVETECH (Coronilla varia) with wintert annuals or cool seasons grasses	15 lbs.	0.3 lb	M–L	J F M A M J J A S O N D	100,000 seeds per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink, and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M inoculant. Use from North Atlanta and Northward.
FESCUE, TALL (Festuca arundinacea) alone	50lbs	1.1 lb.	M–L	J F M A M J J A S O N D	227,000 seeds per pound. Use alone only on better sites. Not for droughty soils. Mix with perennial lespedezas or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30lbs	0.7 lb.			
REED CANARY GRASS (Phalaris arundinacea) alone	50 cu. ft.	1.1 cu. ft.	M–L	J F M A M J J A S O N D	Grows similar to Tall fescue.
with other perennials	30 cu. ft.	0.7 cu. ft.			

1/ Reduce seeding rates by 50% when drilled.
2/ PLS is an abbreviation for Pure Live Seed.
3/ M–L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs.

TABLE 3. FERTILIZER RATES

PLANTING OPTIONS	YEAR	ANALYSIS	# PER ACRE	# PER 1000 SQ. FT.	# PER ACRE	# PER 1000 SQ. FT.
TALL FESCUE	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
COMMON BERMUDA (UNHULLED)	YEAR TWO	6–12–12	1000	25	50–100	1.2–2.3
RYE GRAIN						
TALL FESCUE	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
APPALOW LESPEDEZA (UNSCARIFIED)	YEAR TWO	0–10–10	1000	25		
RYE GRAIN						
TALL FESCUE	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
RYE GRAIN	YEAR TWO	10–10–10	1000	25		
CROWNVETCH	AT PLANTING	6–12–12	1500	35	0–50	0–1.2
RYE GRAIN	YEAR TWO	0–10–10	1000	25		
WEEPING LOVEGRASS	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
APPALOW LESPEDEZA (SCARIFIED)	YEAR TWO	6–12–12	1000	25		
BROWNTOP MILLET						
SUNFLOWER "AZTEC MAXIMILLIAN"	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
WEEPING LOVEGRASS	YEAR TWO	6–12–12	1000	25	50–100	1.2–2.3
COMMON BERMUDA (HULLED)	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
BROWNTOP MILLET	YEAR TWO	6–12–12	1000	25	50–100	1.2–2.3
WEEPING LOVEGRASS	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
	YEAR TWO	6–12–12	1000	25	50–100	1.2–2.3
TALL FESCUE	AT PLANTING	6–12–12	1500	35	50–100	1.2–2.3
	YEAR TWO	10–10–10	1000	25	50–100	1.2–2.3

Du DUST CONTROL

NOTES:
1. The generation of dust during grading operations will be controlled by the use of temporary vegetation and mulching in disturbed areas.
2. In an emergency situation, the site should be sprinkled with water until the surface is wet. This process should be repeated as necessary.
3. All disturbed areas must be grassed with permanent vegetation within 14 days of achieving finished grade.

Tp

NOTES:

1. STOCKPILED TOPSOIL WILL BE COVERED WITH PLASTIC OR STRAW.

2. DEPENDING ON LOCATION, SILT FENCE MAY BE REQUIRED ON DOWNSTREAM SIDE OF STOCKPILE AREA

VEGETATIVE PLAN FOR AREAS DISTURBED DURING CONSTRUCTION

All bare areas resulting from construction operations will be established to perennial vegetation as soon as possible after final grading is complete.

A. Initial Treatment

1. Seedbed Preparation: Prepare seedbed to depth of at least 4 inches on all areas where a good seedbed is not present. Remove rocks, roots, and other objects that will interfere with vegetation establishment or maintenance operations. No seedbed preparation is needed where hydroseeded. Lime must be included in initial seedbed preparation minimum coverage of 2 tons per acre

2. Fertilizer: Apply 1500 pounds of 6–12–12 analysis fertilizer (or equivalent) per acre. Spread lime and fertilizer uniformly over all areas immediately before final land preparation and mix thoroughly with the soil. Apply topdressing of 50 pounds per acre of ammonium nitrate (or equivalent) when plants are 2 to 4 inches tall.

3. Seeding: All areas will be seeded with TALL FESCUE at a rate of 50 lbs. per acre or appropriate seasonal grass (SEE SEEDING SCHEDULE). Seed will be distributed uniformly over the area and covered to a depth of about 2 inches. If the area is to be sprigged, plant only freshly dug sprigs and keep them cool and moist until planted. Firm seeded or sodded areas with cultipacker or roller immediately following planting.

4. Mulching: Pond spillways and all seeded areas with slopes greater than 3 percent will be mulched immediately after seeding by spreading uniformly dry straw or hay, free from competing weeds, at the rate of about 2 tons per acre or to cover approximately 75 percent of the ground surface. When feasible, anchor mulch with a packer or disk harrow with the blades set straight or with emulsified asphalt (grade AE5 or SS1) at a rate of 100 gallons emulsion mixed with 100 gallons water for each ton of mulch.

B. Management

Second year application of 800 pounds of 6–12–12 analysis fertilizer per acre and topdress with 20 pounds of ammonium nitrate per acre. Apply agricultural limestone at the rate of 2 tons per acre every 4 to 6 years. The area may be mowed at proper season to control vegetation.

C. Other Requirements or Exceptions

Where liquid plastic materials are used with the hydroseeding operation, no hay mulch is required. When the season for seeding perennial seed has expired, a temporary cover of wheat or rye may be established. As sson as it is practical, perennial seed shall be sown in areas where a temporary cover has been sown.

Ds3 CRITICAL AREA VEGETATIVE PLAN Ds3

GENERAL – This vegetative plan will be carried out on road cut and fill slopes, shoulders, and other critical areas created by construction and land disturbance activities. Seeding will be done as soon as construction in an area is completed. Plantings will be made to control erosion, to reduce damages from sediment and runoff to downstream areas, and to improve the safety and beauty of the development area.

SOIL CONDITIONS – Due to grading and construction, the areas to be treated are mainly subsoil and substrata. Fertility is low and the physical characteristics of the exposed material are unfavorable to all but the most hardy plants.

TREATMENT SPECIFICATIONS

A. Hydroseeding. When hydraulic seeding and fertilizing equipment is used, no grading and shaping or seedbed preparation will be required. The fertilizer, seed and wood cellulose fiber mulch will be mixed with water and applied in a slurry. All slurry ingredients must be combined to form a homogeneous mixture, and spread uniformly over the area, leaving about 25% of the ground surface exposed.

B. Hand seeding. Grade, shape and smooth where needed to provide for safe equipment operation at seeding time and for maintenance purposes. The lime and fertilizer in dry form will be spread uniformly over the area immediately before seedbed preperation. A seedbed will be done with cultipacker–seeder, drill, rotary seeder or other mechanical or hand seeder. Seed will be distributed uniformly over a freshly prepared seedbed and covered lightly. Within 24 hours after seeding, straw or hay mulch will be spread uniformly over the area, leaving about 25% of the ground surface exposed. Mulch will be spread with blower–type mulch equipment or by hand and anchored immediately after it is spread. A disk harrow with the disk set straight or a special packer disk may be used to press the mulch into the soil.

PREPARATION APPLICATION RATES
Agricultural limestone: 4000 lbs/acre Fertilizer 5–10–15: 1500 lbs/acre
Mulch, straw or hay: 5000 lbs/acre Fiber mulch: 1000 lbs/acre **
** required only on hydroseeding operations

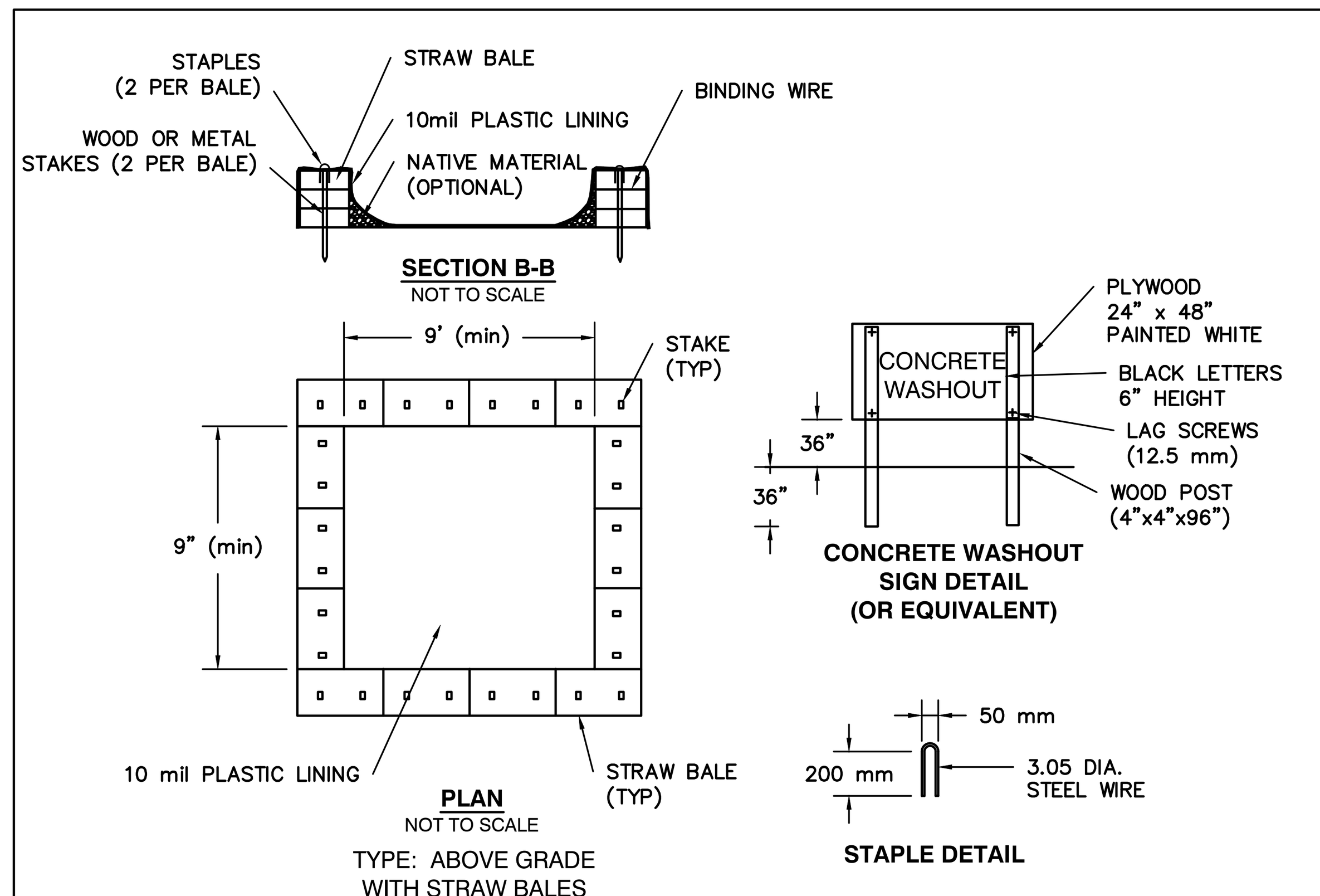
TOPDRESSING: To be applied when plants are 2–4 inches. Fertilize 300 lbs/acre

SECOND YEAR FERTILIZER
0–20–20 or equivalent: 500 lbs/acre (hydroseeding) or 5–10–15 800 lbs/acre

SEED SPECIES OPTIONS AND PLANTING DATES
Fescue: 50 lbs/acre : 6/15 to 2/28 Rye: 50 lbs/acre : 11/1 to 2/18
Bermuda: 10 lbs/acre : 3/1 to 6/15 Lovegrass: 4 lbs/acre : 3/1 to 6/15
Sericia lespedeza: 60 lbs/acre 3/1 to 6/15

SEEDING NOTE: IF PERMANENT VEGETATION IS REQUIRED BEFORE SEPTEMBER 15, USE THE APPROPRIATE SEED AND FERTILIZER FROM THE CHARTS.

TEMPORARY ON-SITE CONCRETE TRUCK WASH (Cw)



NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10 m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOTES:

1. Temporary concrete washout facilities shall be located a minimum of 50 ft from storm drain inlets, open drainage facilities, and watercourses, unless determined infeasible. Each facility shall be located away from construction traffic or access areas to prevent disturbance or tracking.

2. A sign shall be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.

3. Temporary concrete washout facilities shall be constructed and maintained in sufficient quantity and size to contain all liquid and concrete waste generated by washout operations.

4. Temporary washout facilities shall have a temporary pit or bermed areas of sufficient volume to completely contain all liquid and waste concrete materials generated during washout procedures.

5. Perform washout of concrete mixer trucks in designated areas only.

6. Wash concrete only from mixer truck shootschutes into concrete wash outapproved concrete washout facility. Washout may be collected in an impermeable bag for disposal.

7. Pump excess concrete in concrete pump bin back into concrete mixer truck.

8. Concrete washout from concrete pumper bins can be washed into concrete pumper trucks and discharged into designated washout area or properly disposed offsite.

9. Transit trucks are not to be washed at concrete washout.

10. Once concrete wastes are washed into the designated area and allowed to harden, the concrete shall be broken up, removed, and disposed of per state and local regulations.

11. On site concrete waste storage and disposal procedures shall be monitored at least weekly.

12. When temporary concrete washout facilities are no longer required for the work, the hardened concrete shall be removed and disposed of in conformance with state and local regulations.

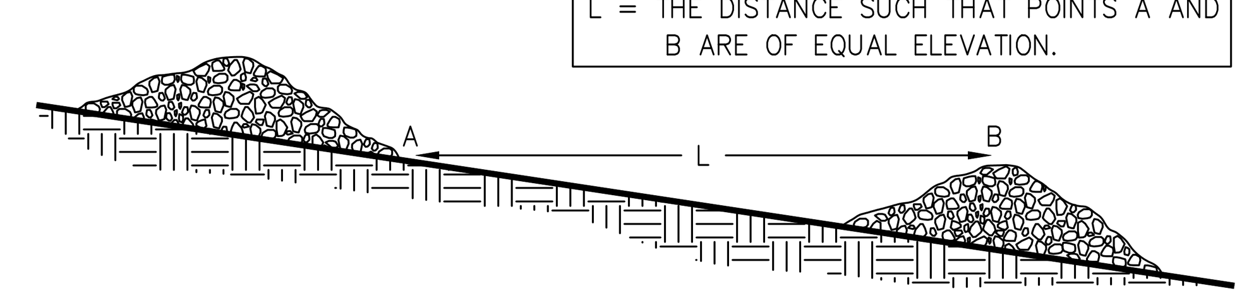
13. Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities shall be backfilled and repaired.

TEMPORARY ON-SITE CONCRETE TRUCK WASH

STONE CHECK DAM (Cd-S)

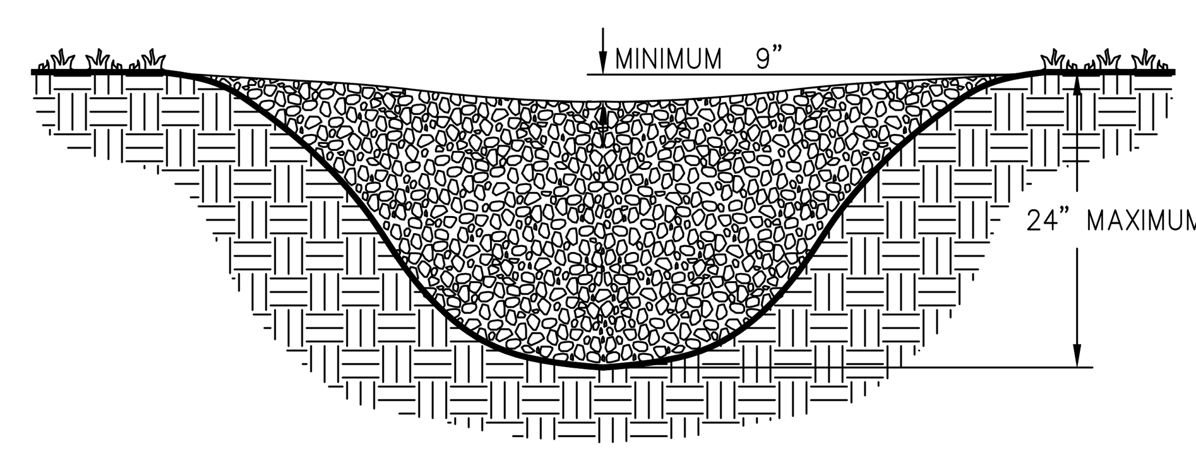
SPACING BETWEEN CHECK DAMS

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

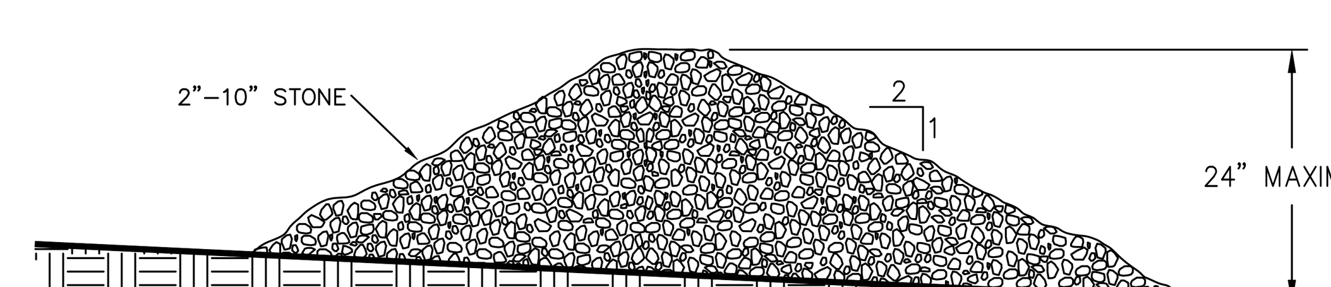


STONE CHECK DAM

CROSS SECTION



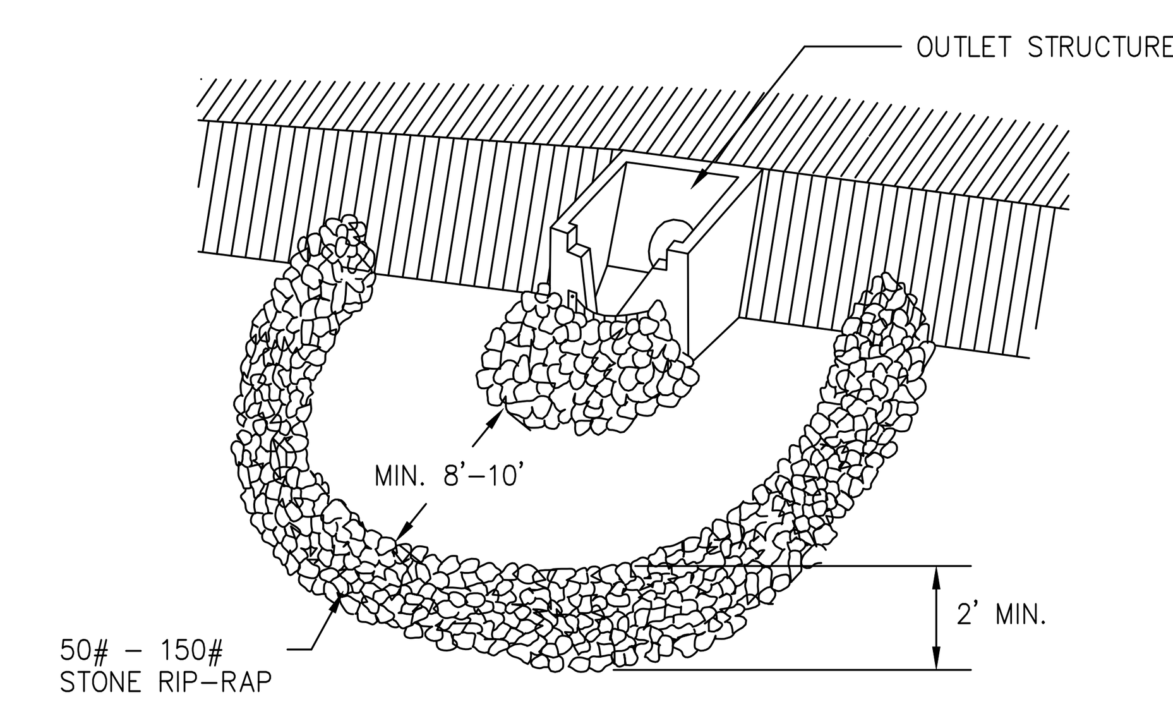
PROFILE VIEW



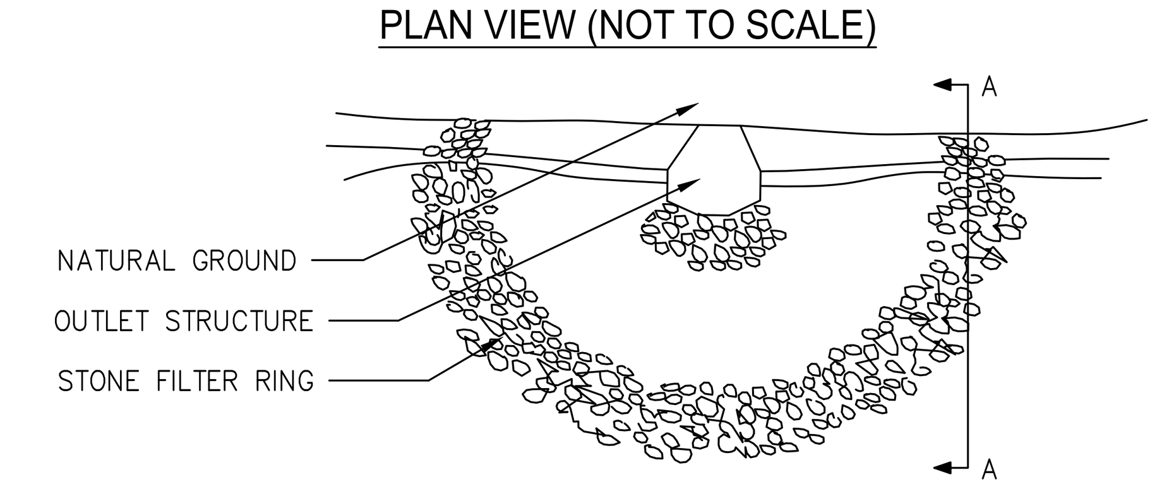
NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

STONE FILTER RING (Fr)

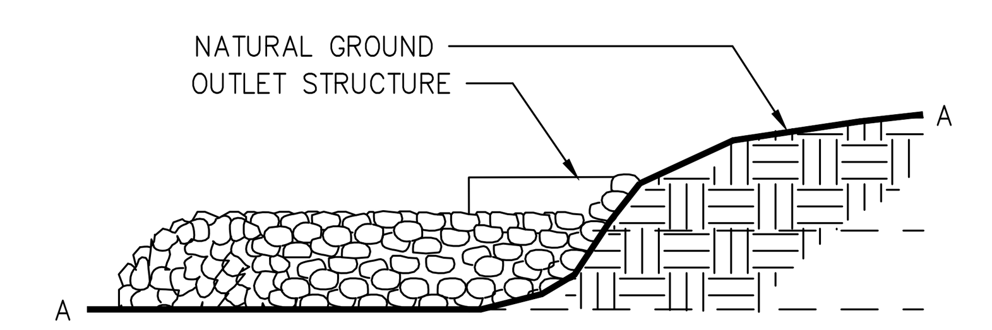
PERSPECTIVE VIEW



PLAN VIEW (NOT TO SCALE)

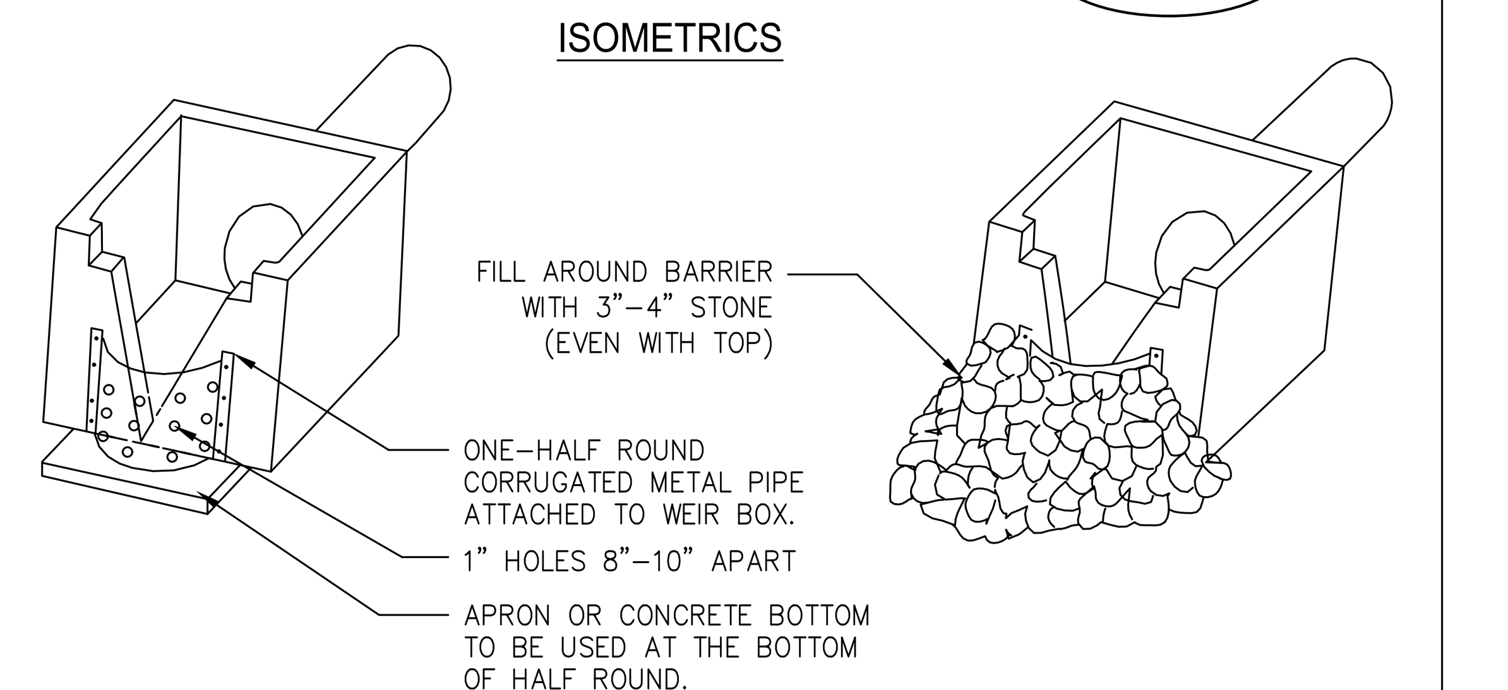


CROSS SECTION (NOT TO SCALE)

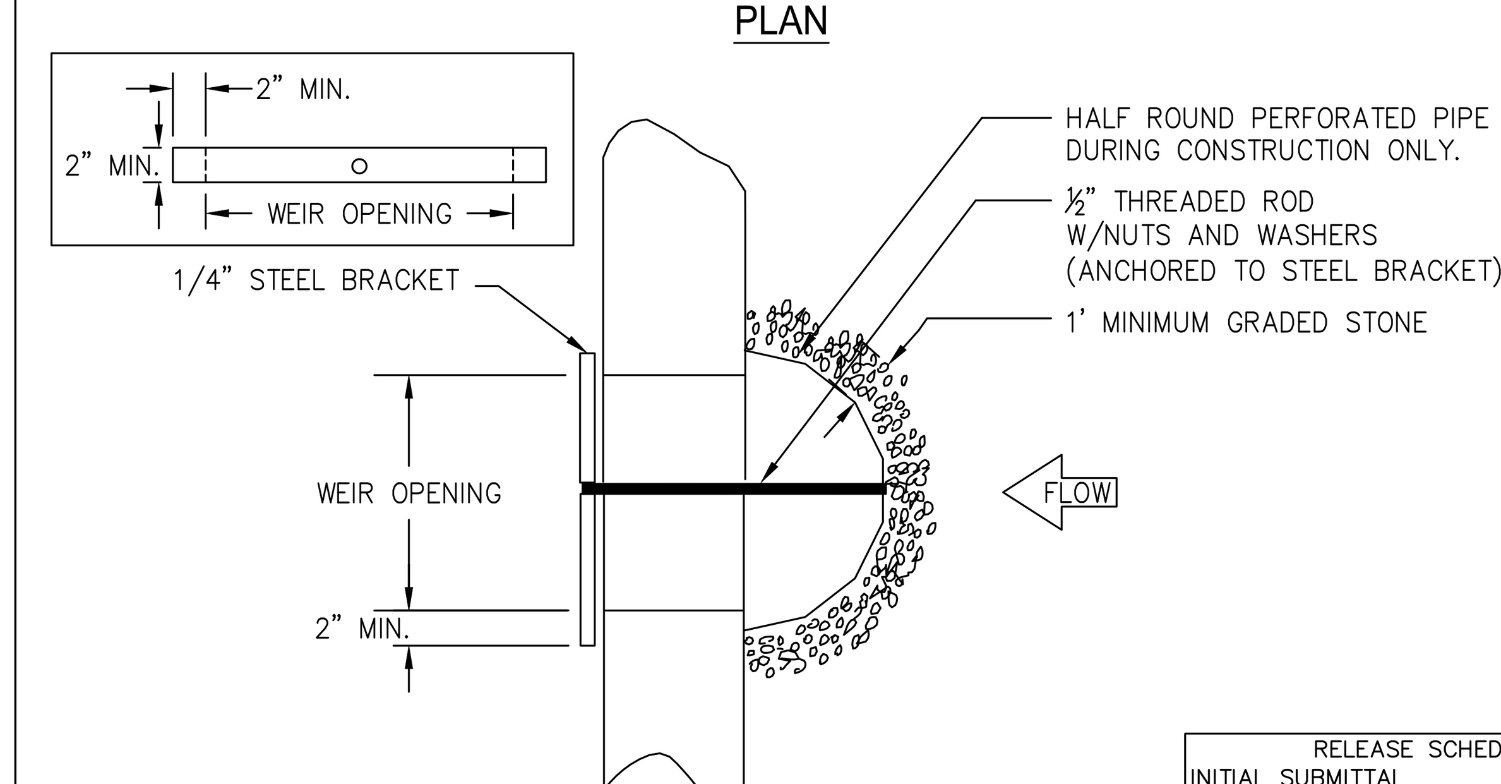


PERFORATED HALF-ROUND PIPE WITH STONE FILTER (Rt-P)

ISOMETRICS



PLAN



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

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Revisions	Date

Drawing Title

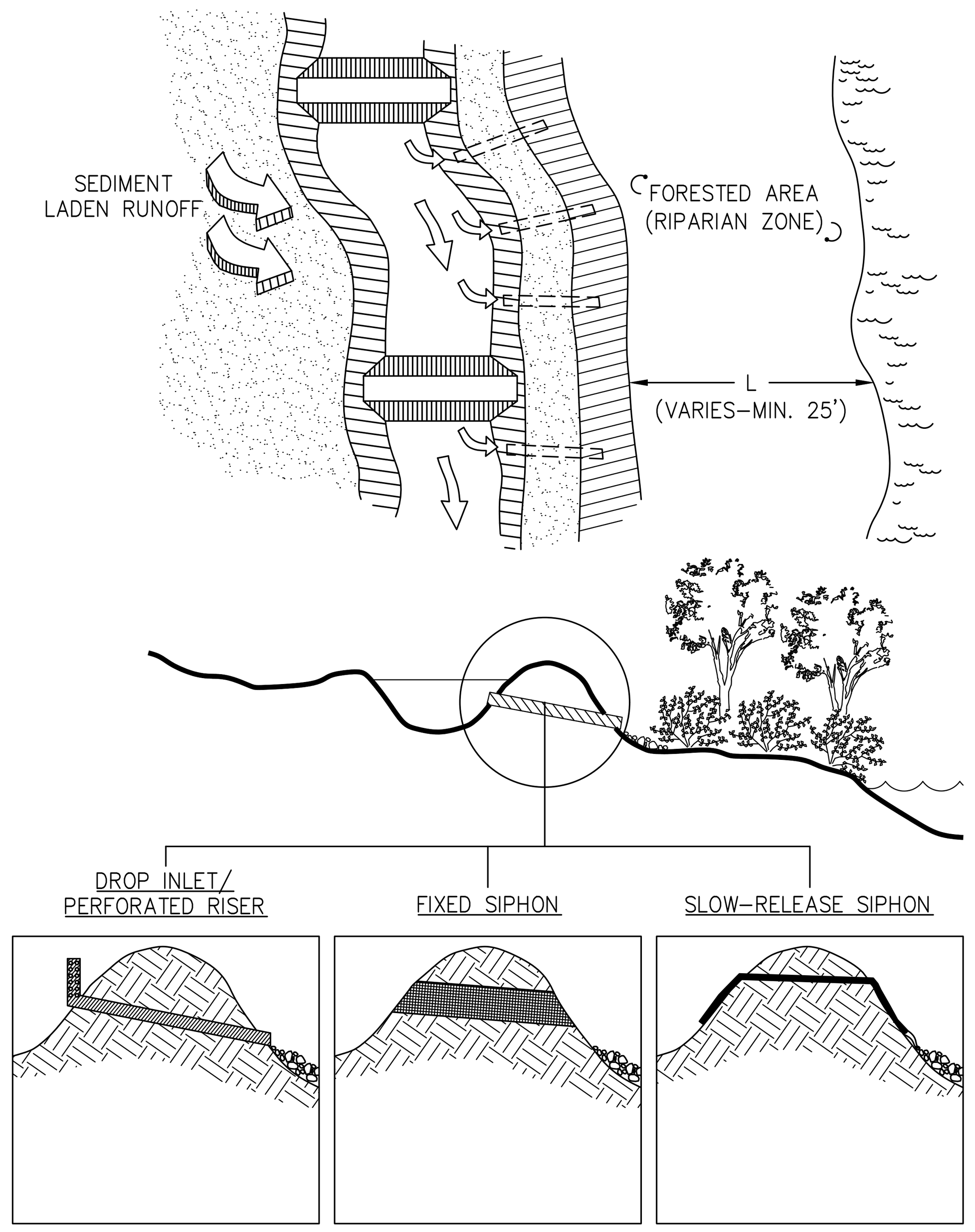
SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C5.1

INTEGRATED SEEP BERM EROSION CONTROL SYSTEM

SpB

SEEP BERM PLAN AND CROSS-SECTION

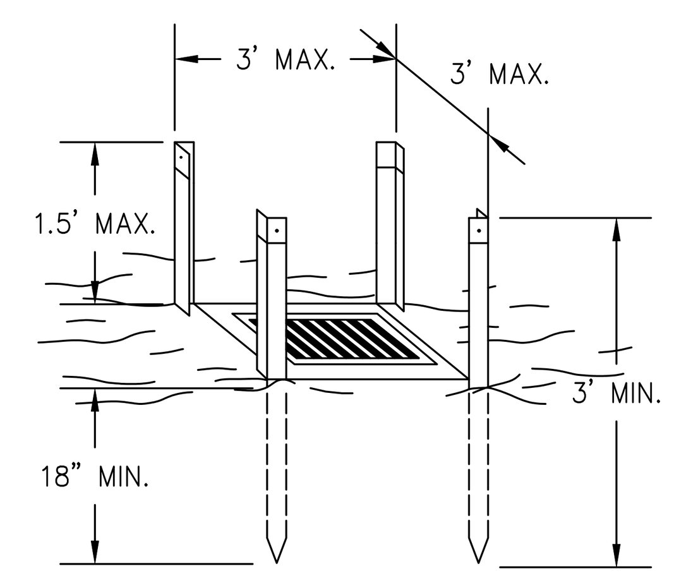


*DESIGNER/ENGINEER MUST DEFINE IF SEEP BERM IS TO BE A TEMPORARY OR PERMANENT BMP.

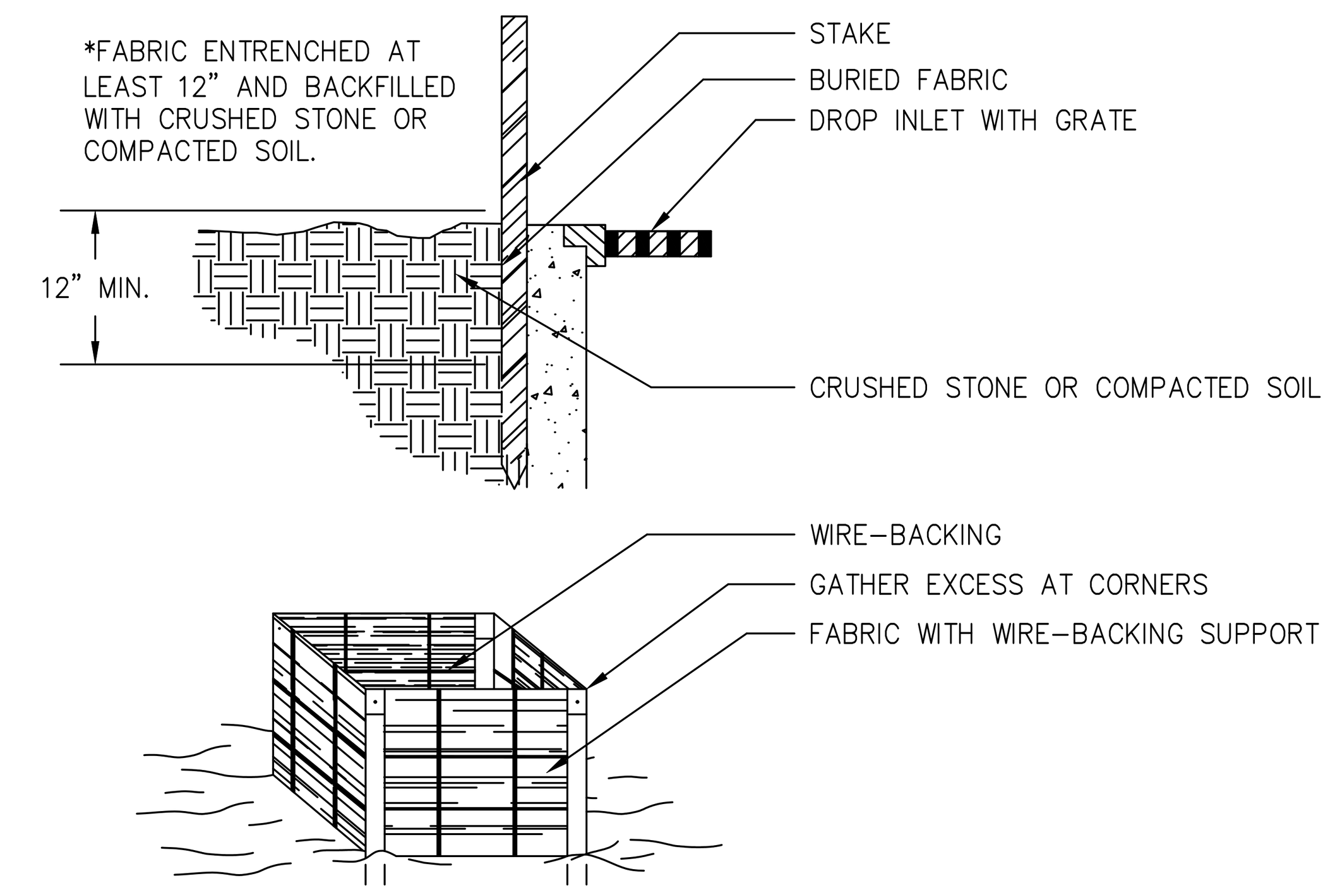
FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

Sd2-F

STEEL FRAME AND SILT FENCE INSTALLATION



NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

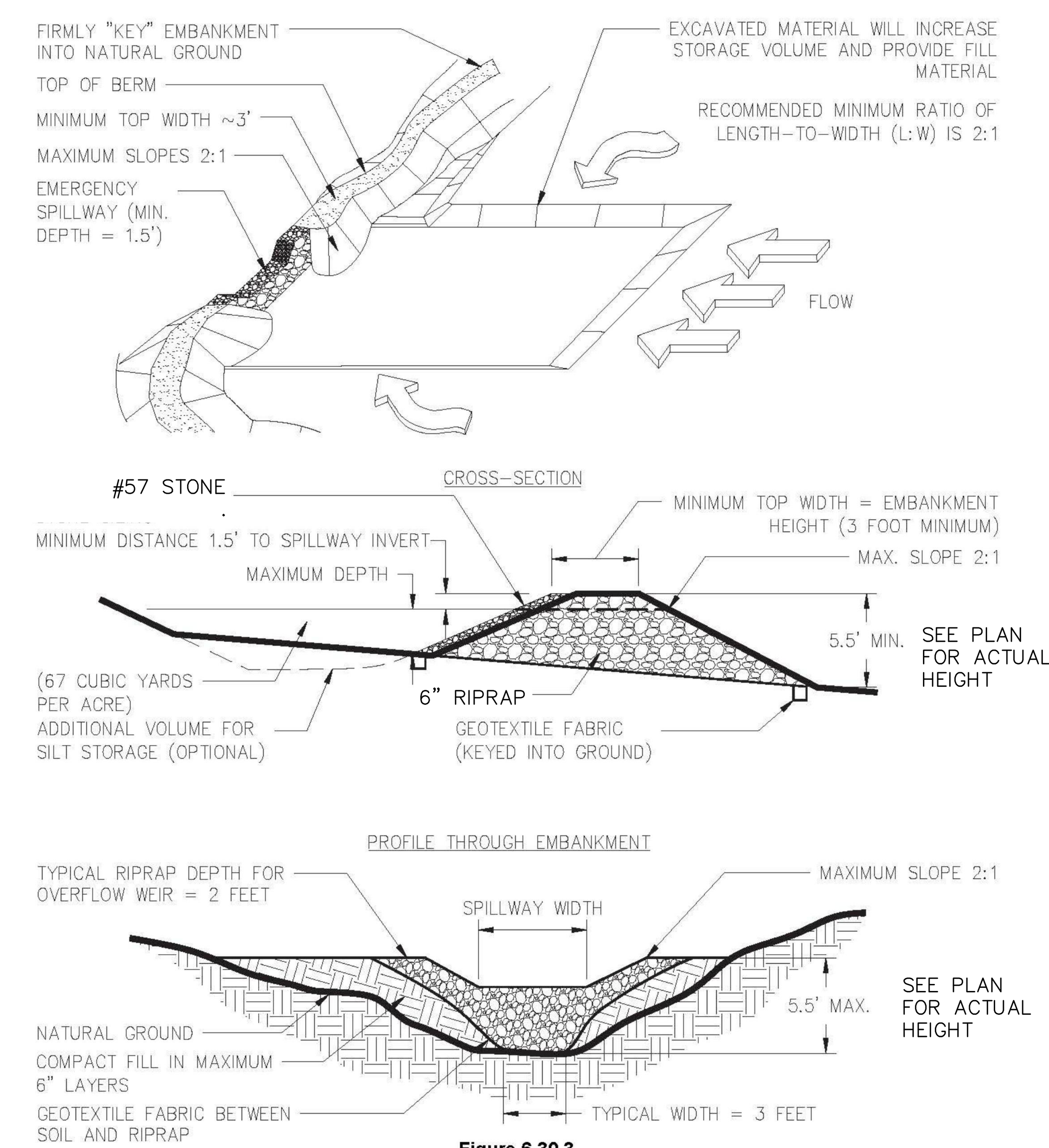


TEMPORARY SEDIMENT TRAP

Sd4-C

COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT

ROCK OUTLET



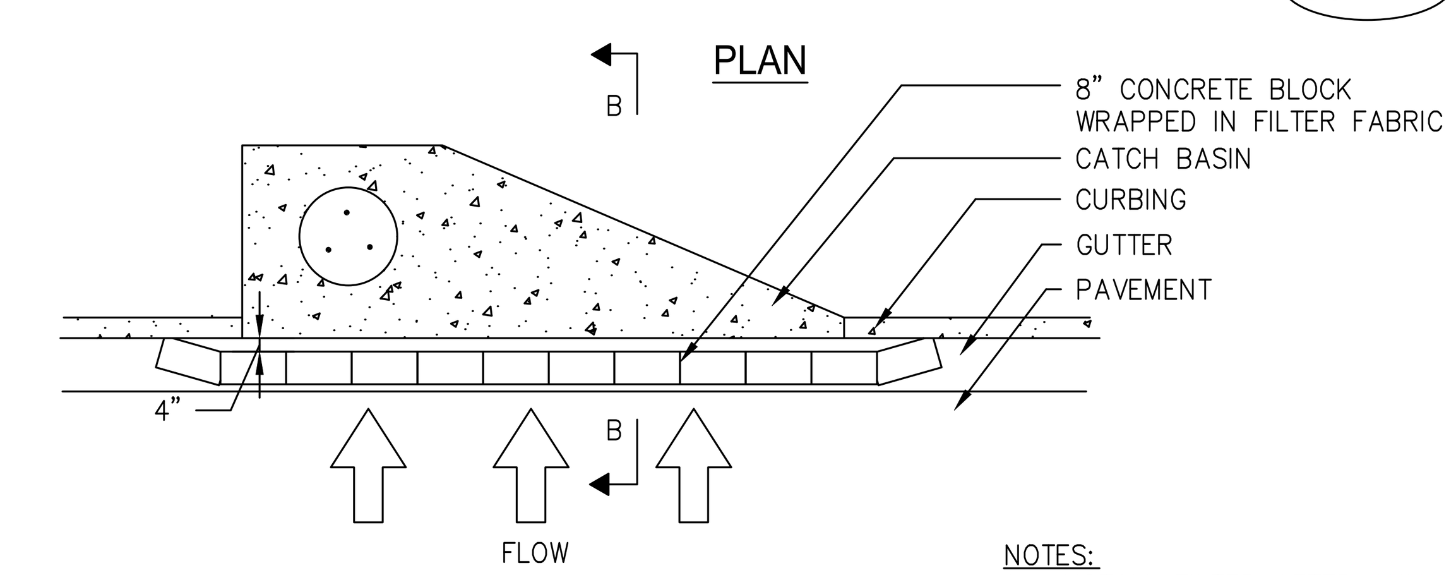
FIRMLY "KEY" EMBANKMENT INTO NATURAL GROUND
TOP OF BERM
MINIMUM TOP WIDTH ~3'
MAXIMUM SLOPES 2:1
EMERGENCY SPILLWAY (MIN. DEPTH = 1.5')
EXCAVATED MATERIAL WILL INCREASE STORAGE VOLUME AND PROVIDE FILL MATERIAL
RECOMMENDED MINIMUM RATIO OF LENGTH–TO–WIDTH (L:W) IS 2:1
FLOW
#57 STONE
CROSS–SECTION
MINIMUM DISTANCE 1.5' TO SPILLWAY INVERT
MAXIMUM DEPTH
MINIMUM TOP WIDTH = EMBANKMENT HEIGHT (3 FOOT MINIMUM)
MAX. SLOPE 2:1
5.5' MIN.
SEE PLAN FOR ACTUAL HEIGHT
(67 CUBIC YARDS PER ACRE) ADDITIONAL VOLUME FOR SILT STORAGE (OPTIONAL)
6" RIPRAP
GEOTEXTILE FABRIC (KEYED INTO GROUND)
PROFILE THROUGH EMBANKMENT
TYPICAL RIPRAP DEPTH FOR OVERFLOW WEIR = 2 FEET
SPILLWAY WIDTH
MAXIMUM SLOPE 2:1
5.5' MAX.
SEE PLAN FOR ACTUAL HEIGHT
NATURAL GROUND
COMPACT FILL IN MAXIMUM 6" LAYERS
GEOTEXTILE FABRIC BETWEEN SOIL AND RIPRAP
TYPICAL WIDTH = 3 FEET

Figure 6-30.3

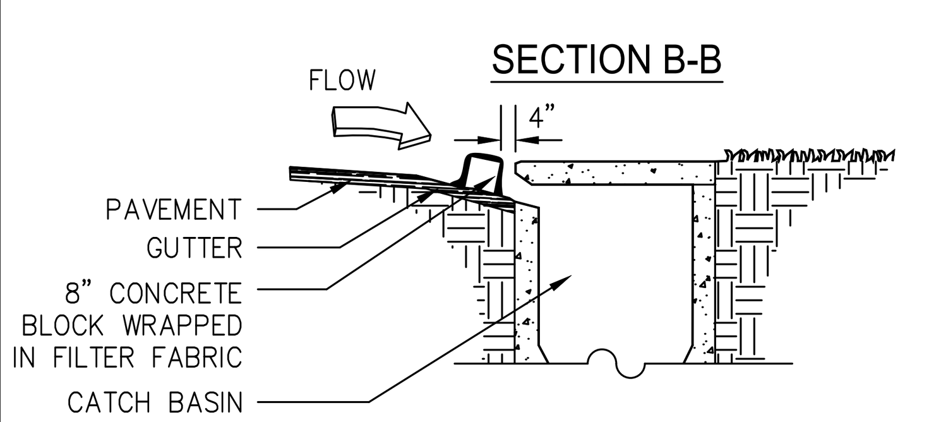
6-241 GSWCC (Amended - 2013)

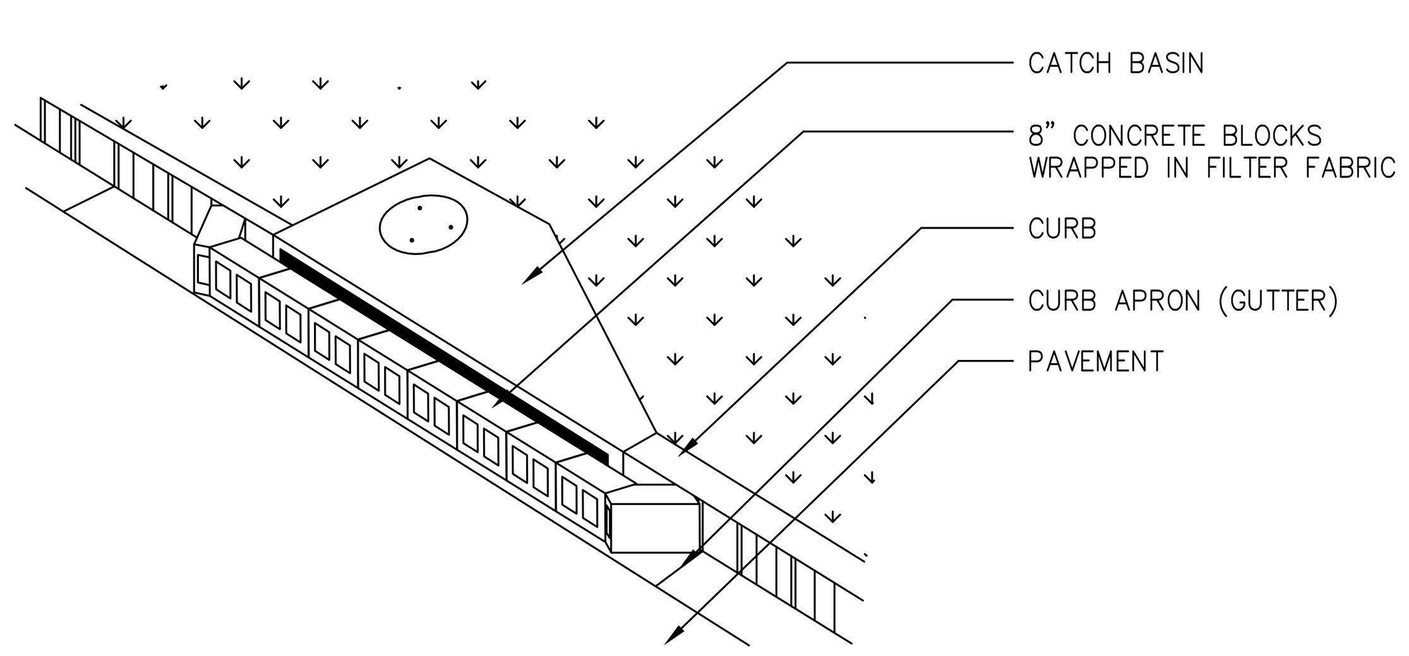
CURB INLET FILTER "PIGS IN BLANKET"

Sd2-P



NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.





GEOTEXTILE FABRICS

STONE/SOIL INTERFACE
CONTECH FILTER FABRIC
(OR APPROVED EQUAL
PER GDOT QUALIFIED PRODUCT LIST #28)

CONTECH C70/06 FOR WOVEN FABRIC

CONTECH C45NW FOR NON–WOVEN FABRIC

TURF REINFORCEMENT MAT
PROPEX TRM
(OR APPROVED EQUAL
PER GDOT QUALIFIED PRODUCT LIST #49)

LANDLOK 450 FOR DITCH FLOWS UP TO 18fps AND SLOPES 3:1 AND FLATTER

PYRAMAT 75 FOR DITCH FLOWS UP TO 25fps AND SLOPES GREATER THAN 3:1

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

RICHARDS & ASSOCIATES ENGINEERING, INC.
CIVIL ENGINEERING + LAND PLANNING
P.O. BOX 220 CHATSWORTH, GA 30705
(706) 616-5906

GA PROFESSIONAL ENGINEER NO. 26730
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

Revisions — Date

Drawing Title

SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C5.2

Applied Polymer Systems, Inc.
519 Industrial Drive
Woodstock, GA 30189
678-494-5998
678-494-5298 Fax
info@siltstop.com

Sampling Submission Procedure

The important thing to remember about these polymers and their application is that they are **site-specific**; we match the blend of material to the specific soil type at your site to ensure the best performance possible. However this means that we need to test the soil from **each site** to be able to choose the appropriate polymer blend.

We are happy to offer this analysis of samples from your job site, **completely free of charge**, to determine exactly which blend of polymer will be most effective with your specific soil lithology. We usually have **one day turn-around** on sample analysis, to help you get results fast.

For free sample analysis at our lab, please include:

- **Sample from site**
  200g of soil (about a coffee cup sized sample) in a plastic bag or container and/or 500 mL of turbid water (about a pop-bottle sized sample) in a plastic container.

  If there are different types of soil on the site (fill material being brought in, ect.) please provide samples of each. If runoff from each of these soil types flows into the same ditch or stormwater pond, they may be mixed together as a single composite soil for analysis.

- **Contact Information**
  Your name, company name, and contact information (phone number, fax number and email) so that we can get back to you with the results. A business card or letter head is fine.

- **Information about the site/ project**
  What are you doing on the site, and what types of applications are you looking at using the polymer for? Are you looking for a tackifier/binder, water clarifier, thickener for mud removal, ect?

  A rough sketch, design, or photos of the site can help us to fit the appropriate polymer application to your site. If you are interested in stormwater clarification, please provide the distances or lengths of water flow conveyances (pipes, ditches, ect.) as well as the volume of flow expected through these conveyances.

Please send the samples to:
Applied Polymer Systems, Inc.
ATTN: Lab
519 Industrial Drive
Woodstock, GA 30189

Send Samples to:
Applied Polymer Systems, Inc.
Attn: Lab
519 Industrial Dr.
Woodstock, GA 30189

678-494-5998 phone
678-494-5298 fax
info@siltstop.com

Client Information:

Name: ____________________
Company: ____________________
Address: ____________________

Phone: ____________________
Fax: ____________________
Email: ____________________

Project / Site: ____________________
Send Report to: (normally sent via fax or email)

Turn Around Time:
□ Normal (usually 1 day)
□ Rush (must be pre-approved by APS)
Approved by ____________

Sample Type (send in leak-proof container):
□ 200g of soil
□ 500mL of water (turbid)
□ Both

Job Specifications:
Please include a rough sketch, diagram, or photographs as needed

□ **Soil Stabilization** – soil specific polymer additions for grassing/ hydroseeding/ mulching

□ **Water Treatment** – site specific polymers used to clarify turbid stormwater, remove sediment and reduce TSS. *Placed in areas of flow.*
Distance/ length of water conveyance: ____________________
Volume of flow expected: ____________________
Flow rate expected: ____________________

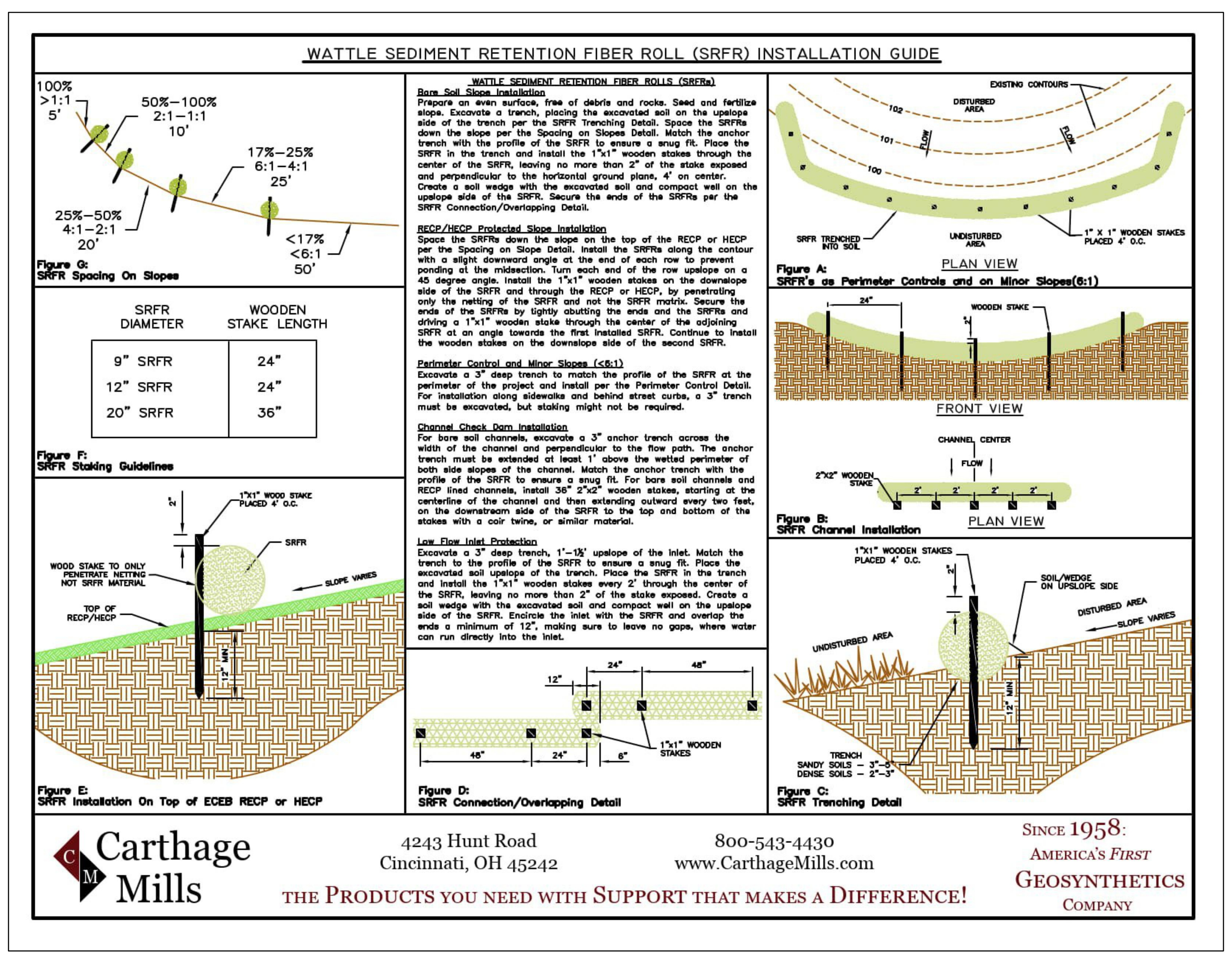
□ **Demucking** – soil specific polymer for highly saturated soils (thicken for easier removal)

□ **Soft Armoring** – soil specific polymer to bind matting (jute, coir, coconut, hemp, ect.) to create a highly erosive resistant surface.

□ **Check Dams** – soil specific polymer enhancement to allow for collection of fine particles

□ **Other –** Please specify:

CONTRACTOR SHALL CONTACT APPLIED POLYMER SYSTEMS FOR INSTRUCTIONS ON OBTAINING AND SUBMITTING SOIL SAMPLES.
APPLIED POLYMER SYSTEMS, INC.
519 INDUSTRIAL DRIVE
WOODSTOCK, GA 30189
(678)494-5998



WATTLE SEDIMENT RETENTION FIBER ROLLS (SRFRs)

Bare Soil Slope Installation
Prepare an even surface, free of debris and rocks. Seed and fertilize slope. Excavate a trench, placing the excavated soil on the upslope side of the trench per the SRFR Trenching Detail. Space the SRFRs down the slope per the Spacing on Slopes Detail. Match the anchor trench with the profile of the SRFR to ensure a snug fit. Place the SRFR in the trench and install the 1"x1" wooden stakes through the center of the SRFR, leaving no more than 2" of the stake exposed and perpendicular to the horizontal ground plane, 4' on center. Create a soil wedge with the excavated soil and compact well on the upslope side of the SRFR. Secure the ends of the SRFRs per the SRFR Connection/Overlapping Detail.

RECP/HECP Protected Slope Installation
Space the SRFRs down the slope on the top of the RECP or HECP per the Spacing on Slope Detail. Install the SRFRs along the contour with a slight downward angle at the end of each row to prevent ponding at the midsection. Turn each end of the row upslope on a 45 degree angle. Install the 1"x1" wooden stakes on the downslope side of the SRFR and through the RECP or HECP, by penetrating only the netting of the SRFR and not the SRFR matrix. Secure the ends of the SRFRs by tightly abutting the ends and the SRFRs and driving a 1"x1" wooden stake through the center of the adjoining SRFR at an angle towards the first installed SRFR. Continue to install the wooden stakes on the downslope side of the second SRFR.

Perimeter Control and Minor Slopes (<6:1)
Excavate a 3" deep trench to match the profile of the SRFR at the perimeter of the project and install per the Perimeter Control Detail. For installation along sidewalks and behind street curbs, a 3" trench must be excavated, but staking might not be required.

Channel Check Dam Installation
For bare soil channels, excavate a 3" anchor trench across the width of the channel and perpendicular to the flow path. The anchor trench must be extended at least 1' above the wetted perimeter of both side slopes of the channel. Match the anchor trench with the profile of the SRFR to ensure a snug fit. For bare soil channels and RECP lined channels, install 36" 2"x2" wooden stakes, starting at the centerline of the channel and then extending outward every two feet, on the downstream side of the SRFR to the top and bottom of the stakes with a coir twine, or similar material.

Low Flow Inlet Protection
Excavate a 3" deep trench, 1'-1½' upslope of the inlet. Match the trench to the profile of the SRFR to ensure a snug fit. Place the excavated soil upslope of the trench. Place the SRFR in the trench and install the 1"x1" wooden stakes every 2' through the center of the SRFR, leaving no more than 2" of the stake exposed. Create a soil wedge with the excavated soil and compact well on the upslope side of the SRFR. Encircle the inlet with the SRFR and overlap the ends a minimum of 12", making sure to leave no gaps, where water can run directly into the inlet.

Sd1-NS SLOPER INTERRUPTER

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

RAE
RICHARDS & ASSOCIATES ENGINEERING, INC.
CIVIL ENGINEERING + LAND PLANNING
P.O. BOX 220 CHATSWORTH, GA 30705
(706) 616-5906

GA PROFESSIONAL ENGINEER NO. 26730
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

THIS DRAWING SHEET MAY BE PART OF A COMPLETE SET OF DESIGN DRAWINGS AND SHOULD NOT BE SEPARATED FROM THE SET. INFORMATION PERTINENT TO THIS SHEET MAY BE FOUND ON OTHER SHEETS IN THE SET.

IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY, AND SHALL NOT COMMENCE OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

THESE PLANS CANNOT BE USED FOR CONSTRUCTION UNTIL THEY HAVE BEEN APPROVED, STAMPED AND SIGNED BY THE APPROPRIATE AUTHORITIES AND ALL NECESSARY PERMITS HAVE BEEN OBTAINED BY THE OWNER. THE OWNER IS RESPONSIBLE FOR PROCURING ALL NECESSARY PERMITS.

Revisions	Date

Drawing Title
SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C5.3

Project Description

The site is ±183 acres and is located at the end of Enterprise Drive in Dalton, Georgia. Stormwater runoff from the site drains to the south to Jobs Creek. The owner plans to construct an industrial facility. A stormwater management pond will be construction and retrofitted for sediment control. Multiple sediment ponds and traps will also be constructed to reduce sediment. Approximately 90 acres will be disturbed during construction.

Erosion and Sediment Control

Sources of pollution may include sediment. Sediment storage will be handled onsite with a retrofitted stormwater management pond, temporary sediment traps, temporary sediment ponds, check dams and silt fence. A construction exit will be installed to help reduce vehicle tracking of sediments. The road will be monitored daily for excess mud, dirt or rock tracked from the site. Any observed excess shall be swept that day. Dump trucks hauling material from the site will be covered with a tarpaulin. The generation of dust during grading operations will be controlled by the use of temporary vegetation and mulching in disturbed areas. In an emergency situation, the site will be sprinkled with water until the surface is wet. This process should be repeated as necessary. All disturbed areas must be grassed with permanent vegetation within 14 days of achieving finished grade.

MAINTENANCE/INSPECTION PROCEDURES (PERMITTEE REQUIREMENTS)

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
(2). MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. CERTIFIED PERSONNEL SHALL ALSO CONDUCT INSPECTIONS WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST). POST-RAIN INSPECTIONS WILL RESET THE 7-DAY INSPECTION FREQUENCY REQUIREMENT. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

STORMWATER SAMPLING REQUIREMENTS

a. Sampling Requirements shall include the following:

(1). A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the stormwater is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the stormwater(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;
(2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;
(3). When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and
(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the timeline for submittal.

b. Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.
(1). Sample containers should be labeled prior to collecting the samples.
(2). Samples should be well mixed before transferring to a secondary container.
(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.
(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.
(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

(1). For construction activities the Primary Permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Sampling points shall be located on applicable pages of the Initial, Intermediate, and Final phase of the Erosion, Sedimentation and Pollution Control Plans. Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the stormwater outfalls using the following minimum guidelines:
(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other stormwater discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.
(b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last stormwater discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other stormwater discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.
(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).
(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.
(e). The sampling container should be held so that the opening faces upstream.
(f). The samples should be kept free from floating debris.
(g). Permittees do not have to sample sheet flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region).
(h). All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether stormwater runoff from the construction site is in compliance with the standard set forth in Parts III.D.4. or III.D.5., whichever is applicable.

d. Sampling Frequency.

(1). The Primary Permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.
(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.
(3). Sampling by the permittee shall occur for the following qualifying events:
(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;
(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;
(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-rain event inspections determine that BMPs are properly designed, installed and maintained;
(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and
(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above. *Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

E. Reporting.

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.
2. All sampling reports shall include the following information: a. The rainfall amount, date, exact place and time of sampling or measurements; b. The name(s) of the certified personnel who performed the sampling and measurements; c. The date(s) analyses were performed; d. The time(s) analyses were initiated; e. The name(s) of the certified personnel who performed the analyses; f. References and written procedures, when available, for the analytical techniques or methods used; g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results; h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and i. Certification statement that sampling was conducted as per the Plan.
3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate EPD District Office or delivery receipt email to the appropriate EPD District Office resource mailbox according to the schedule in Appendix A of this permit. The applicable permittees shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

F. Retention of Records.

1. The Primary Permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI: a. A copy of all Notices of Intent submitted to EPD; b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit; c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit; d. A copy of all sampling information, results, and reports required by this permit; e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit; f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.. of this permit; and g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit.
2. Each Secondary Permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a Final Stabilization Certification is signed in accordance with Part VI of this Permit: a. A copy of the certification that the provisions of the Primary Permittee's Erosion, Sedimentation, and Pollution Control Plan applicable to the Secondary Permittee's activities will be adhered to; b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit or the applicable portion of the Erosion, Sedimentation and Pollution Control Plan for their activities at the construction site required by this permit; c. A copy of all inspection reports generated in accordance with Part IV.D.4.b. of this permit; and d. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D. of this permit.
3. Each Tertiary Permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI: a. A copy of all Notices of Intent submitted to EPD; b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit; c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit; d. A copy of all sampling information, results, and reports required by this permit; e. A copy of all inspection reports generated in accordance with Part IV.D.4.c. of this permit; f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D. of this permit; and. g. Daily rainfall information collected in accordance with Part IV.D.4.c.(2). of this permit.
4. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI of this permit. These records must be maintained at the permittee's primary place of business once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

Inventory for Pollution Prevention Plan

The following materials or substances are expected to be present onsite during construction:

- Building Materials
- Concrete
- Asphalt
- Petroleum based products
- Fertilizers

NO WASTE MATERIALS WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

Waste Materials

All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of once per week or more often if necessary and trash will be hauled as required by local regulations. No construction waste will be buried onsite.

All personnel will be instructed on proper procedures for waste disposal. A notice stating these practices will be posted at the jobsite and the Contractor will be responsible for seeing that these proceudres are followed.

Spill Prevention

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff.

Good Housekeeping

The following good housekeeping practices will be followed onsite during construction:

- An effort will be made to store only enough products required to do the job.
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in their original containers with the original manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used up before disposing of the container.
- Manufacturer's recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

Hazardous Wastes

All hazardous waste materials will be disposed of in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored an/or used and another copy of each MSDS will be maintained in the ESPCP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

The contractor will implement the Spill Prevention Control Countermeasurese (SPCC) Plan found within this ESPCP and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated stormwater. It shall be the responsibility of the job site superintendent to properly train all personnel in the use of the SPCC plan.

These practices are used to reduce the risks associated with hazardous materials:

- Products will be kept in original containers unless they are not resealable.
- Original labels and material safety data will be retained; they contain important product information.
- If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal will be followed.

Sanitary Wastes

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a licensed portable facility provider in complete compliance with local and state regulations.

All sanitary waste units will be located in an area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMPs must be implemented, such as gravel bags or specifically designed plastic skid containers around the base, to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the Erosion Control Plan Grading Phase, Sheet C2, by the contractor once the locations have been determined.

Post-construction wastewater management will be provided by on-site septic system.

Petroleum Products

Containers for products such as fuels, lubricants and tars will be inspected daily for leaks and spills. This includes on-site vehicle and machinery daily inspections and regular preventative maintenance for such equipment. Epuipment maintenance areas will be located away from state water, natural drains and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

Paints/Finishes/Solvents

All Products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product materials used with these products and product containers will be disposed of according to manufacturer's specifications and recommendations.

Concrete Truck Washing

Concrete trucks will only be washed out either at an acceptable off-site facility or at a temporary on-site wash area (see detail). NO DRUM WASHOUT WILL BE ALLOWED ONSITE.

Fertilizers/Herbicides

These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

BUILDING MATERIALS

FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G., PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

Spill Cleanup and Control Practices

In addition to the good housekeeping and material management procedures previously discussed, the following practices will be followed for spill prevention and cleanup:

- Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.
- Material and equipment necessary for spill cleanup will be dept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust and property labeled plastic and meta lwaste containers.
- Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills..
- All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State and Federal regulations.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.
- The site superintendent responsible for the day-to-day operations will be the spill prevention and cleanup coordinator.

THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED. THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ.), 40 CFR PART 117 AND 40 CFR PART 302. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ.), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY EPD AT (404) 656-4863 OR (800) 241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ.), 40 CFR 117 AND 40 CFR 302 AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE.

The contractor shall notify the licensed professional who prepared this plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. The Contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.

POST-CONSTRUCTION STORMWATER POLLUTION CONTROL

A STORMWATER MANAGEMENT POND HAS BEEN DESIGNED PER THE LOCAL REQUIREMENTS TO ATTENTUATE THE PEAK FLOW FOR THE 1-YEARY THROUGH 100-YEAR STORM EVENTS AND TO PROVIDE WATER QUALITY CONTROL. ALL DISTURBED AREAS WILL BE PERMANENTLY STABILIZED TO CONTROL EROSION AND SEDIMENTATION.

1. THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), GEORGIA GENERAL PERMIT NO. GAR 100001 FOR STAND ALONE PROJECTS.

2. THE OWNER AND CONTRACTOR AND/OR INDIVIDUAL RESPONSIBLE FOR DAILY ACTIVITIES ON THE SITE MUST OBTAIN A COPY OF THE APPROPRIATE NPDES PERMIT GEORGIA GENERAL PERMIT NO. GAR 100001 FOR STAND ALONE PROJECTS AND BECOME FAMILIAR WITH THE REQUIREMENTS OF THE PERMIT.

3. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

4. THIS PERMIT ONLY ALLOWS FOR THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES. ALL NON-STORMWATER DISCHARGES, INCLUDING, BUT NOT LIMITED TO, FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING; IRRIGATION DRAINAGE; AIR CONDITIONING CONDENSATE; SPRINGS; UNCONTAMINATED GROUNDWATER; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS MUST BE TREATED PRIOR TO LEAVING THE SITE. ALL NON-STORMWATER DISCHARGES MUST BE ROUTED THROUGH A SEDIMENTATION POND, SEDIMENT TRAP OR OTHER BEST MANAGEMENT PRACTICE (BMP) PRIOR TO LEAVING THE SITE OR ENTERING STATE WATER(S).

5. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

6. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED. THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. 12-14-2, ET SEQ.), 40 CFR PART 117 AND 40 CFR PART 302. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. 12-14-2, ET SEQ.), 40 CFR PART 117 AND 40 CFR PART 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY EPD AT (404) 656-4863 OR (800) 241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. 12-14-2, ET SEQ.), 40 CFR PART 117 AND 40 CFR PART 302 AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE.

7. NOTHING IN THE PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES ESTABLISHED PURSUANT TO ANY APPLICABLE STATE LAW OR REGULATION UNDER AUTHORITY PRESERVED BY SECTION 510 OF THE CLEAN WATER ACT. NOTHING IN THIS PERMIT, UNLESS EXPLICITLY STATED, EXEMPTS THE PERMITTEE FROM COMPLIANCE WITH OTHER APPLICABLE LOCAL, STATE AND FEDERAL ORDINANCES, RULES, REGULATIONS AND LAWS. FURTHERMORE, IT IS NOT A DEFENSE TO COMPLIANCE WITH THE PERMIT THAT A LOCAL GOVERNMENT AUTHORITY HAS APPROVED THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN OR FAILED TO TAKE ENFORCEMENT ACTION AGAINST THE PERMITTEE FOR VIOLATIONS OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, OR OTHER PROVISIONS OF THE PERMIT.

8. NO CONDITION OF THE PERMIT SHALL RELEASE THE PERMITTEE FROM ANY RESPONSIBILITY OR REQUIREMENTS UNDER OTHER ENVIRONMENTAL STATUTES OR REGULATIONS.

9. THE PRIMARY PERMITTEE(S), AS APPLICABLE, WHO BEGAN CONSTRUCTION ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT SHALL AMEND THEIR PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT, IE., THOSE BMP'S WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY, DURATION AND RETURN FREQUENCY OR STORMS OR ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF GEORGIA AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE PLAN, IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.2 OF THE PERMIT, OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY A DESIGN PROFESSIONAL AS PROVIDED IN THE PERMIT.

10. THIS PLAN HAS BEEN DESIGNED USING BMP'S, INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION, WHICH ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THOSE PRACTICES CONTAINED IN THE MANUAL.

11. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

12. THE OWNER MUST ENSURE THAT CONSTRUCTION ON THIS SITE MEETS THE REQUIREMENTS OF THE GEORGIA DEPARTMENT OF ENVIRONMENTAL HEALTH AND GAEPD FOR WASTE DISPOSAL, SANITARY SEWER AND/OR SEPTIC SYSTEMS.

13. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER THE GEORGIA HAZARDOUS WASTE MANAGEMENT ACT, O.C.G.A. 12-8-60, ET SEQ. OR UNDER CHAPTER 14 OF TITLE 12 OF THE OFFICIAL CODE OF GEORGIA ANNOTATED; NOR IS THE OPERATOR RELIEVED FROM ANY RESPONSIBILITIES, LIABILITIES OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER SECTION 311 OF THE CLEAN WATER ACT OR SECTION 106 OF COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT.

13. THE OWNER/DEVELOPER IS RESPONSIBLE FOR MAINTAINING ALL RECORDS PERTAINING TO THE NPDES PERMIT FOR 3 YEARS AFTER FINAL STABILIZATION HAS BEEN ACHIEVED.

14. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

15. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

16. ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL).

17. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT PAVED WILL BE SEEDED FOR PERMANENT VEGETATION.

18. BMP'S MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE PROPERLY MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

19. CONSTRUCTION DEBRIS MUST BE KEPT FROM LEAVING THE SITE AND/OR ENTERING STREAM CHANNELS AT ALL TIMES.

20. STOCKPILED SOIL SHALL BE LOCATED FAR ENOUGH FROM STREAMS AND DRAINAGE WAYS SO THAT RUNOFF CANNOT CARRY SEDIMENT DOWNSTREAM. PROVIDE BMP'S TO CONTROL SEDIMENT FROM STOCKPILED SOIL.

21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

22. PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION SHALL BE APPLIED AS SOON AS PRACTICABLE AFTER FINISH GRADING AND NO LATER THAN FOURTEEN (14) DAYS AFTER EARTH MOVING HAS ENDED.

23. ALL ONSITE SLOPES MUST BE NO STEEPER THAN 2:1. ANY SLOPE STEEPER THAN 2:1 MUST BE STABILIZED WITH A RETAINING WALL OR OTHER SLOPE STABILIZATION METHOD AND HAVE A 4 FOOT (MIN.) CONTINUOUS FENCE INSTALLED AT THE TOP.

24. SILT FENCES MUST BE INSTALLED ON THE DOWNHILL SIDE OF ALL LAND DISTURBING ACTIVITIES. STRAW BALES MAY NOT BE USED AS A SEDIMENT BARRIER. A BRUSH BARRIER IS AN ACCEPTABLE ALTERNATIVE TO SILT FENCE.

25. BMP'S MUST BE INSTALLED TO MINIMIZE OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST.

26. REFER TO THE MANUAL FOR ADDITIONAL PRACTICES AND METHODS.

27. OFFSITE BORROW PITS OR WASTE AREAS MUST HAVE AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

28. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION.

29. THE OWNER MUST NOTIFY THE DESIGN PROFESSIONAL, IN WRITING, AT LEAST ONE (1) WEEK PRIOR TO THE START OF CONSTRUCTION TO SCHEDULE THE INSPECTION. WITHOUT THE INSPECTION, THE SITE WILL NOT BE IN COMPLIANCE AND MAY BE SUBJECT TO FINES OR OTHER ACTIONS FROM THE STATE OF GEORGIA. RICHARDS & ASSOCIATES ENGINEERING, INC. WILL NOT BE RESPONSIBLE FOR THE CLIENT'S FAILURE TO COMPLY WITH THE REQUIREMENTS OF THE PERMIT.

30. THIS DRAWING HAS BEEN PREPARED FOR EROSION, SEDIMENTATION AND POLLUTION CONTROL PERMITTING PER THE REQUIREMENTS OF THE STATE OF GEORGIA. ADDITIONAL PERMITS MAY BE REQUIRED BY FEDERAL, STATE OR LOCAL AUTHORITIES. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ABIDING BY THE REQUIREMENTS OF ISSUANCE. ADDITIONAL PERMITS MAY INCLUDE, BUT ARE NOT LIMITED TO, WETLANDS PERMITS FROM THE US ARMY CORPS OF ENGINEERS AND STREAM BUFFER ENCROACHMENT PERMITS FROM GAEPD AND SURFACE MINING PERMITS FROM GAEPD.

31. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, CONTACT THE ENGINEER IMMEDIATELY FOR GUIDANCE ON ADDITIONAL BMP'S OR MODIFICATION TO EXISTING BMP'S. ANY DEVIATION FROM THE PLAN MUST BE DESIGNED BY THE ENGINEER AND THE PLAN REVISED.

32. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

33. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.

34. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.

35. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.

36. EROSION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

37. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTIONS.

38. THIS SITE IS NOT LOCATED WITHIN 200' OF A TROUT STREAM AS DEFINED BY GAEPD.

39. A WETLANDS STUDY HAS NOT BEEN PERFORMED ON THIS SITE. THERE ARE NO KNOWN WETLANDS ON THIS SITE OTHER THAN THE BED AND BANK OF THE STREAM.

40. THERE ARE STATE WATERS LOCATED ON OR WITHIN 200' OF THE SITE.

41. A PORTION OF THIS PROPERTY DOES LIE WITHIN A 100-YEAR FLOOD ZONE AS SHOWN ON MAPS PREPARED FOR THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE ADMINISTRATION OF THE FLOOD INSURANCE PROGRAM PANEL 13313C0230D & 13313C0235D, EFFECTIVE DATE 9/19/07.

42. ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO A BIOTA IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III.C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMPS THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT. THIS SITE DOES NOT DISCHARGE INTO OR LIE WITHIN 1 MILE UPSTREAM OF AND IN THE SAME WATERSHED AS A PORTION OF AN IMPAIRED STREAM SEGMENT AS SHOWN ON GEORGIA'S 2008 AND SUBSEQUENT 305(b)/303(d) LIST. THE SITE DRAINS TO JOBS CREEK. VERIFIED ON THE GASWCC WEBSITE.

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

RAE
RICHARDS & ASSOCIATES ENGINEERING, INC.
CIVIL ENGINEERING + LAND PLANNING
P.O. BOX 220 CHATSWORTH, GA 30705
(706) 616-5906

GEORGIA REGISTERED No. 26730 PROFESSIONAL ENGINEER STEPHEN R. RICHARDS

GA PROFESSIONAL ENGINEER NO. 26730
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

Revisions	Date
PCR 03	8/1/25

Drawing Title

SOIL EROSION SEDIMENTATION AND POLLUTION CONTROL NOTES

DATE	5/16/25	DRAWING NO.
PROJECT NO.	24-036	C6.0