EXCAVATED INLET SEDIMENT TRAP #1	INLET SEDIMENT TRAP #2	EXCAVATED INLET SEDIMENT TRAP #3
DRAINAGE AREA = 1.17 AC	DRAINAGE AREA = 2.88 AC	DRAINAGE AREA = 3.15 AC
DISTURBED AREA = 1.17 AC	DISTURBED AREA = 1.98 AC	DISTURBED AREA = 1.76 AC
SEDIMENT STORAGE REQUIRED = 79 CY (67 CY/AC.)	SEDIMENT STORAGE REQUIRED = 133 CY (67 CY/AC.)	SEDIMENT STORAGE REQUIRED = 118 CY (67 CY/AC.)
SEDIMENT STORAGE PROVIDED = 80 CY	SEDIMENT STORAGE PROVIDED = 75 CY	SEDIMENT STORAGE PROVIDED = 239 CY
SPILLWAY ELEV. = 491.15	SPILLWAY ELEV. = 490.40	SPILLWAY ELEV. = 492.65
CLEANOUT VOLUME REQUIRED = 26 CY (22 CY/AC.)	CLEANOUT VOLUME REQUIRED = 44 CY (22 CY/AC.)	CLEANOUT VOLUME REQUIRED = 39 CY (22 CY/AC.)
CLEANOUT VOLUME PROVIDED = 26 CY	CLEANOUT VOLUME PROVIDED = 44 CY	CLEANOUT VOLUME PROVIDED = 39 CY
CLEANOUT VOLUME ELEV = 490.44	CLEANOUT VOLUME ELEV = 490.26	CLEANOUT VOLUME ELEV = 490.58
BOTTOM ELEV. = 490.30	BOTTOM ELEV. = 488.90	BOTTOM ELEV. = 490.15
BOTTOM AREA = 1,857 SF	BOTTOM AREA = 0 SF	BOTTOM AREA = 0 SF
TOP ELEV. = 490.30	TOP ELEV. = 493.00	TOP ELEV. = 492.80
TOP AREA = 2,477 SF	TOP AREA = 12,814 SF	TOP AREA = 9,004 SF

PHASE 2 CONSTRUCTION SEQUENCE

PHASE 2 CONSTRUCTION SEQUENCE (SOUTHERN HALF OF SITE)
1. INSTALL SEDIMENT TRAPS.
2. BEGIN GRADING ON SOUTHERN HALF OF SITE.
3. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
4. INSTALL UTILITIES, STORM SEWERS, AND CURB AND GUTTER ON SOUTHERN SIDE OF SCHOOL.
5. INSTALL INLET PROTECTION AT ALL STORM SEWR STRUCTURES AS EACH INLET IS INSTALLED.

PHASE 2 CONSTRUCTION SEQUENCE (NORTHERN HALF OF SITE)
1. INSTALL SEDIMENT TRAPS.
2. BEGIN GRADING ON NORTHERN HALF OF SITE.
3. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, ALL DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
4. INSTALL UTILITIES, STORM SEWERS, AND CURB AND GUTTER ON NORTHERN SIDE OF SCHOOL.
5. INSTALL INLET PROTECTION AT ALL STORM SEWR STRUCTURES AS EACH INLET IS INSTALLED.

CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND SITE PERIMETER AS NECESSARY FOR SECURITY AND PUBLIC SAFETY.

NOTE: NO WORK IS TO BE DONE ON ADJACENT PROPERTIES/RIGHT-OF-WAYS UNTIL WRITTEN PERMISSION IS GRANTED BY THE PROPERTY/RIGHT-OF-WAY OWNER.

ALL EROSION CONTROL MATTING/BLANKETS SHALL BE AMERICAN EXCELSIOR CURLEX I OR APPROVED EQUAL, UNLESS STATED OTHERWISE

ALL PROTECTION FENCING SHALL BE HDPE HIGH VISIBILITY ORANGE OR CHAIN LINK. ALL TREE PROTECTION FENCE SHALL BE A MIN. OF 5' TALL. MOUNTING STAKES/POSTS SHALL BE DRIVEN A MIN. OF 2' INTO GROUND @ 10' SPACING (MAX).

CITY OF AIKEN SPECIAL INSPECTION REQUIREMENTS: SITE TO BE INSPECTED ONCE EVERY 7 CALENDAR DAYS AND FOLLOWING 0.5" OR GREATER RAINFALL EVENTS.

CONTRACTOR SHALL CONTINUOUSLY MONITOR INLET SEDIMENT TRAPS AND DE-WATER AS NECESSARY. WATER SHALL BE PUMPED OUT OF THE TRAP FROM THE SURFACE OF THE POOL TO THE MAXIMUM EXTENT POSSIBLE TO MINIMIZE THE CONVEYANCE OF SEDIMENT DOWNSTREAM.

ACREAGE SUMMARY	
SITE AREA	9.08 ACs
DISTURBED AREA	7.00 ACs

LEGEND

DESCRIPTION	SYMBOL
SILT FENCE	—— XX ——
SILT FENCE ROCK OUTLET	
MULCH	M
DUST CONTROL	DC
TEMPORARY SEEDING	TS
PERMANENT SEEDING	PS
EROSION CONTROL BLANKET	
TYPE C INLET PROTECTION	C
TYPE D INLET PROTECTION	D
TYPE F INLET PROTECTION	F
STONE CHECK DAM	
RIP-RAP OUTLET PROTECTION	
TREE PROTECTION	—— # ——

GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

GOODWYN, MILLS & CAWOOD, INC. No. 0339 — SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION

No. 36415 — SOUTH CAROLINA — PROFESSIONAL ENGINEER — DAVID CHOL-LINGER HARDING

GMC
617 East McBee Ave
Suite 200
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

ISSUE | DATE
BID DOCUMENTS | 10.24.19

DRAWN BY: MG
CHECKED BY: DH

INTERMEDIATE PHASE SEDIMENT & EROSION CONTROL PLAN

MILLBROOK ELEMENTARY
SCHOOL - ADDITIONS AND RENOVATIONS
255 E PINE LOG RD, AIKEN, SC 29803
GMC # CGRE190013

C-402

Order Plans @ WWW.LDLine.com

DRAWING FILE W:\Projects_Land Development\2019\CGRE190013 Aiken Millbrook\12 DWG\CGRE190013_MAIN.dwg
PLOTTED: Oct 23, 2019 - 3:02pm