

SITE DEVELOPMENT PLANS OF MASS GRADING (SOIL STOCKPILE RELOCATION)

AT THE
I-26 INDUSTRIAL PARK
CALHOUN COUNTY, SOUTH CAROLINA

PREPARED FOR:
CALHOUN COUNTY
102 COURTHOUSE DRIVE
ST. MATTHEWS, SC 29135

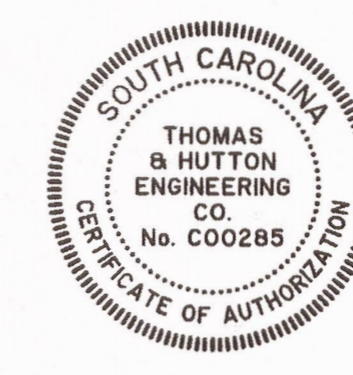
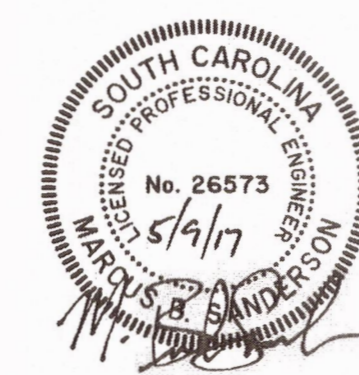
TM# 031-00-00-022, 020-00-00-018

JUNE 26, 2017

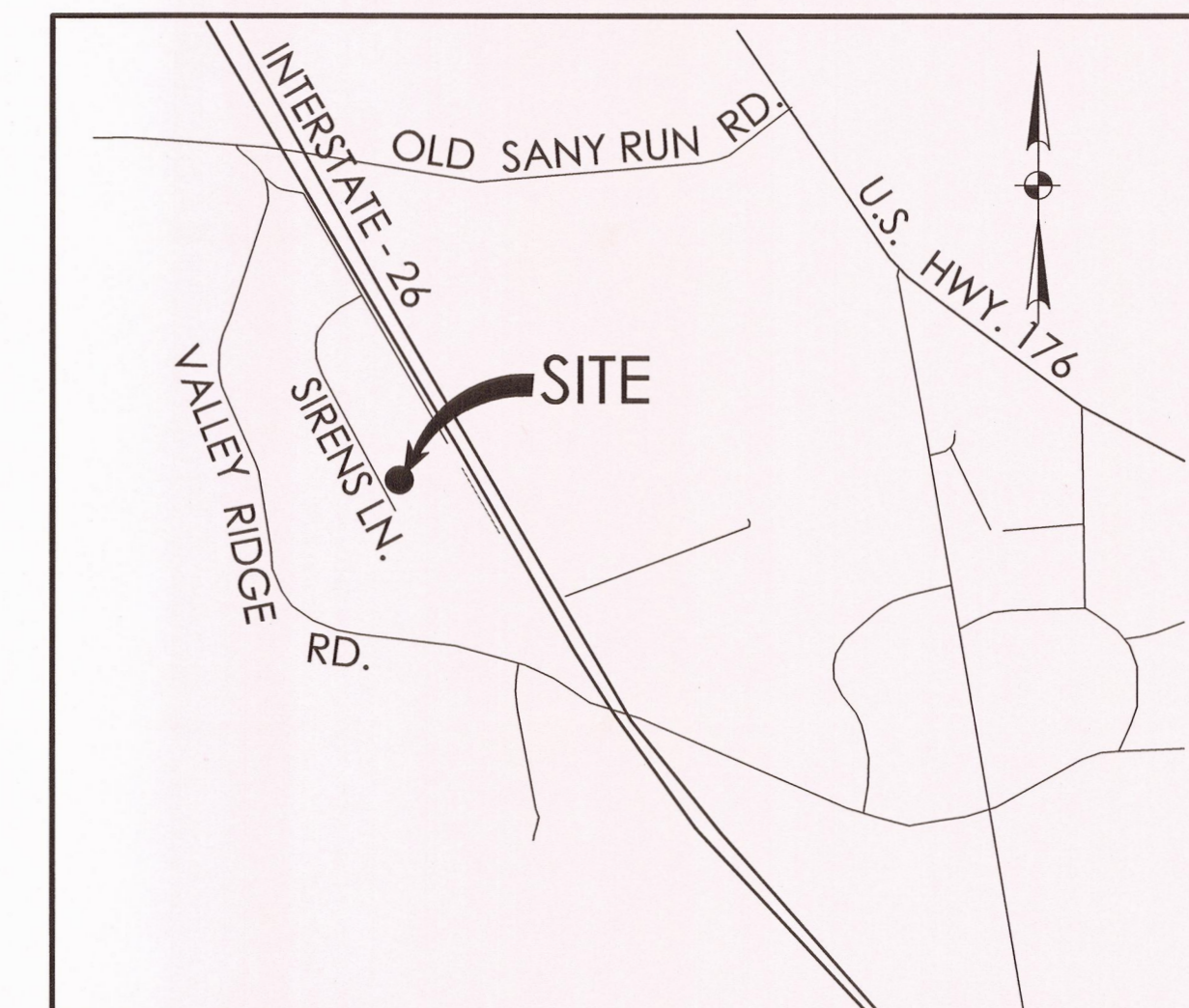
J-26319.0000

PREPARED BY:

THOMAS & HUTTON
Engineering | Surveying | Planning | GIS | Consulting



SOUTH CAROLINA
DEPT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL QUALITY CONTROL
STORMWATER PERMITTING SECTION
APPROVED - FOR CONSTRUCTION ONLY
DHEC PERMIT # SC 210-BA-99
FILE # 09-17-63-02
DATE ISSUED 06-07-2017
BY: *Steve Sanders*



VICINITY MAP
SCALE: 1" = 2000'

J-26319.0000 MASS GRADING (SOIL STOCKPILE RELOCATION)
03/10/2017

Sheet List Table

Sheet Number	Sheet Title
CO	COVER SHEET
G0.1	GENERAL NOTES AND LEGENDS
C1.1	EXISTING CONDITIONS
EC0.1	EROSION CONTROL NOTES
EC0.2	EROSION CONTROL CHART
EC1.1	EROSION CONTROL PLAN - INITIAL PHASE
EC2.1	EROSION CONTROL PLAN - CONSTRUCTION PHASE
EC3.1	EROSION CONTROL - STABILIZATION PHASE
EC4.1	EROSION CONTROL DETAILS
EC4.2	EROSION CONTROL DETAILS

REVISION HISTORY

REV. NO.	REVISION	BY	DATE
1	REVISED PER SCHEC COMMENTS	CGW	5/3/17

SUBMITTAL HISTORY

SUBMITTED TO	DATE



Know what's below.
Call before you dig.

THOMAS & HUTTON
Engineering | Surveying | Planning | GIS | Consulting

1501 Main Street • Suite 760
Columbia, SC 29202
p.803.451.6789 f.803.451.6776

www.thomasandhutton.com

OTHER UTILITIES LEGEND

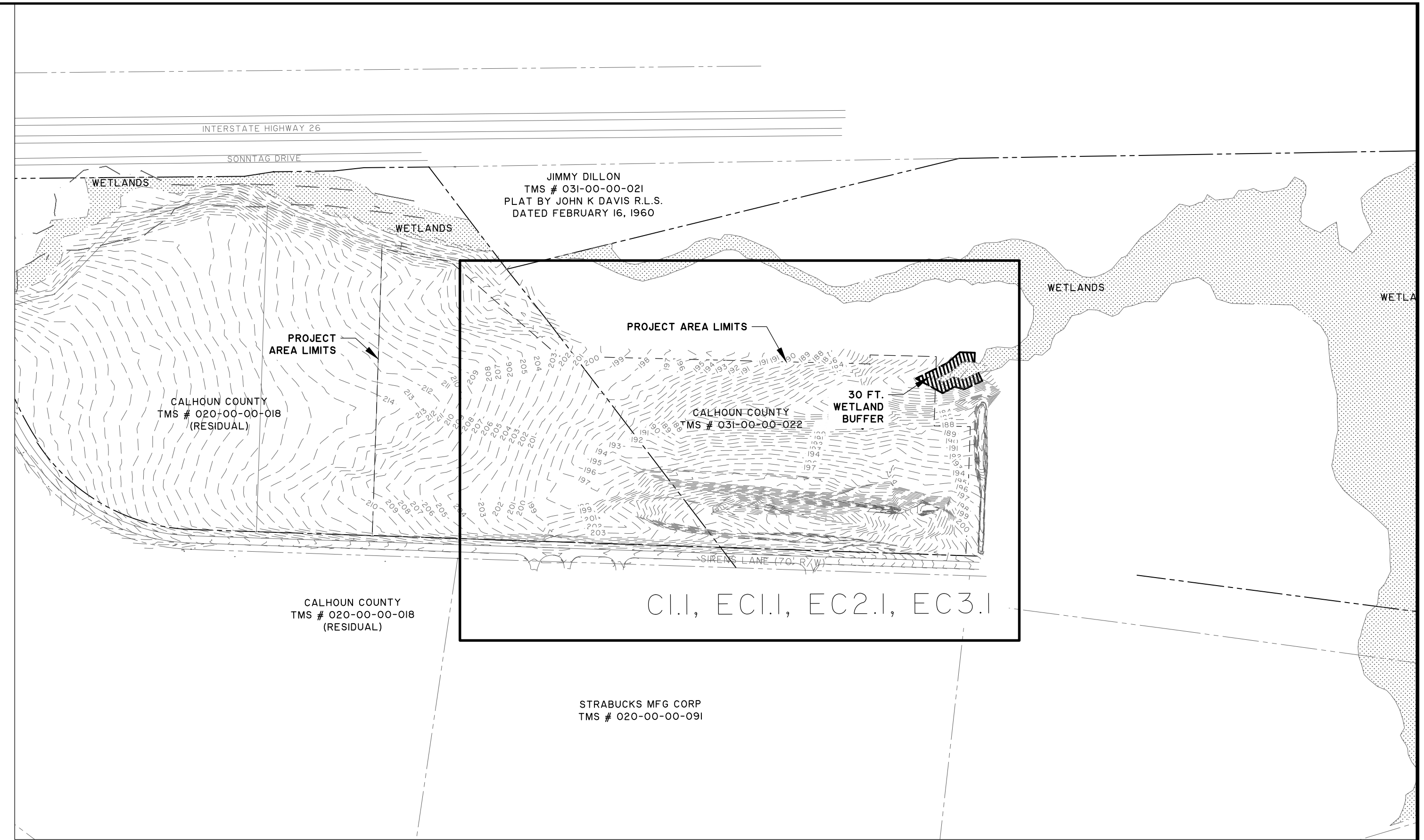
DESCRIPTION	EXISTING
NATURAL GAS	— UGG — UGG
TELEPHONE	— OHT — OHT
UNDERGROUND TELEPHONE	— UTL — UTL
ELECTRICITY	— OHP — OHP
UNDERGROUND ELECTRICITY	— UGP — UGP

ABBREVIATIONS

HDPE	HIGH DENSITY POLYETHYLENE	PC	POINT OF CURVE
BOT	BOTTOM	PH	POST HYDRANT
CI	CURB INLET	PT	POINT OF TANGENT
CPP	CORRUGATED PLASTIC PIPE	PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
EL	ELEVATION	RJP	RESTRAINED JOINT PIPE
FG	FINISH GRADE	R/W	RIGHT-OF-WAY
FH	FIRE HYDRANT	SD	STORM DRAINAGE
FM	FORCE MAIN (SANITARY SEWER)	SDMH	STORM DRAINAGE MANHOLE
FP	FINISH PAD	SF	SQUARE FEET
FR	FRAME	SS	SANITARY SEWER
GI	GRATE INLET	TC	TOP OF CURB
GV	GATE VALVE	TG	TOP OF GUTTER
INV	INVERT ELEVATION	TP	TOP OF PAVEMENT
JB	JUNCTION BOX	TW	TOP OF WALK
LF	LINEAR FEET	TYP	TYPICAL
MAX	MAXIMUM	W	WATER
MIN	MINIMUM	W/	WITH
MH	MANHOLE	WV	WATER VALVE
OC	ON CENTER	YI	YARD INLET

EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
SILT FENCE	
CLEARING LIMITS	— LOD —
TEMPORARY DIVERSION	⇒ TD ⇒
TEMPORARY SEEDING	
PERMANENT SEEDING	
EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT	
RIPRAP	
SEDIMENT BASIN	
POROUS BAFFLES	
STABILIZED CONSTRUCTION ENTRANCE	



INDEX

SCALE: 1" = 300'

GENERAL NOTES

1. THE PROPOSED WORK WILL CONSIST OF THE RELOCATION OF SOIL MATERIAL FROM AN EXISTING FILL STOCKPILE WITHIN THE PROJECT AREA TO DEVELOP A GRADED PAD FOR THE OWNER. THE MATERIAL WILL BE SPREAD, GRADED, AND COMPACTED IN LIFTS BETWEEN 12 AND 18 INCHES.
2. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 48 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND INSPECTIONS.
3. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
4. BOUNDARY INFORMATION BY FROM T&H SURVEY.
5. ALL ELEVATIONS SHOWN ARE BASED ON NAVD83.
6. TOPOGRAPHIC DATA FROM T&H SURVEY.
7. CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
8. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
9. IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL INSTALL ANY BARRICADES PRIOR TO BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL AND PREVENTION STRUCTURES SHOWN ON THE PLANS. BOTH MUST BE APPROVED BY CALHOUN COUNTY AND SCDHEC PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES.
12. WETLANDS SHOWN WERE DELINEATED BY T&H MAY 2015.
13. GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED BY TERRACON CONSULTANTS.
14. THE FOLLOWING NOTES ARE SPECIFIED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) AND ARE TO BE EXECUTED BY THE CONTRACTOR:
 - a. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY CALENDAR WEEK. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
 - b. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 14 DAYS.
15. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED. SILT BARRIERS WILL BE INSTALLED AS NECESSARY TO PREVENT EXCESSIVE SEDIMENTATION OF DOWNSTREAM AREAS. DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF BEST MANAGEMENT PRACTICES BY SCDHEC.
16. CONTRACTOR SHALL GRADE AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
17. ALL AREAS DISTURBED WILL BE GRASSED IMMEDIATELY AFTER THE INSTALLATION. GRASSING SHALL BE IN ACCORDANCE WITH SECTION 610 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION CURRENT EDITION.
18. ALL DRAINAGE WILL BE MADE FUNCTIONAL DAILY AS WORK PROGRESSES.
19. EACH EXISTING ROAD WILL BE CLEANED UP AND RESTORED DAILY.

GENERAL INFORMATION

COUNTY: CALHOUN
TOWN: SANDY RUN
ZONING: INDUSTRIAL

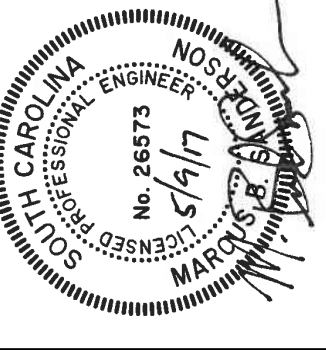
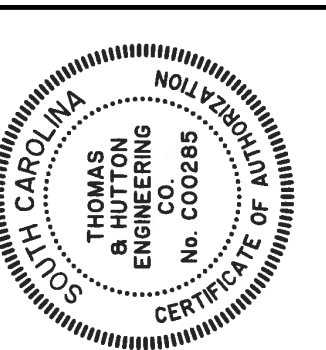
OWNER:
 CALHOUN COUNTY
 102 COURTHOUSE DRIVE SUITE 108
 ST. MATTHEWS, SC 29115
 (803) 874-2435

ENGINEER:
 THOMAS & HUTTON
 1501 MAIN STREET, SUITE 760
 COLUMBIA, SC 29201
 (803) 451-6789

SURVEYOR: THOMAS & HUTTON
 682 JOHNNIE DODDS BLVD.
 MT. PLEASANT, SC 29464
 (843) 849-0200

UTILITIES: CALHOUN COUNTY MUNICIPAL WATER
 102 COURTHOUSE DR. SUITE 105
 ST. MATTHEWS, SC 29135
 (803) 874-2679

TRI-COUNTY ELECTRIC COOPERATIVE
 6473 OLD STATE ROAD
 ST. MATTHEWS, SC 29135
 (803) 874-1215



NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting

1501 Main Street • Suite 760
 Columbia, SC 29201 • 803.451.6789
 www.thomasandhutton.com

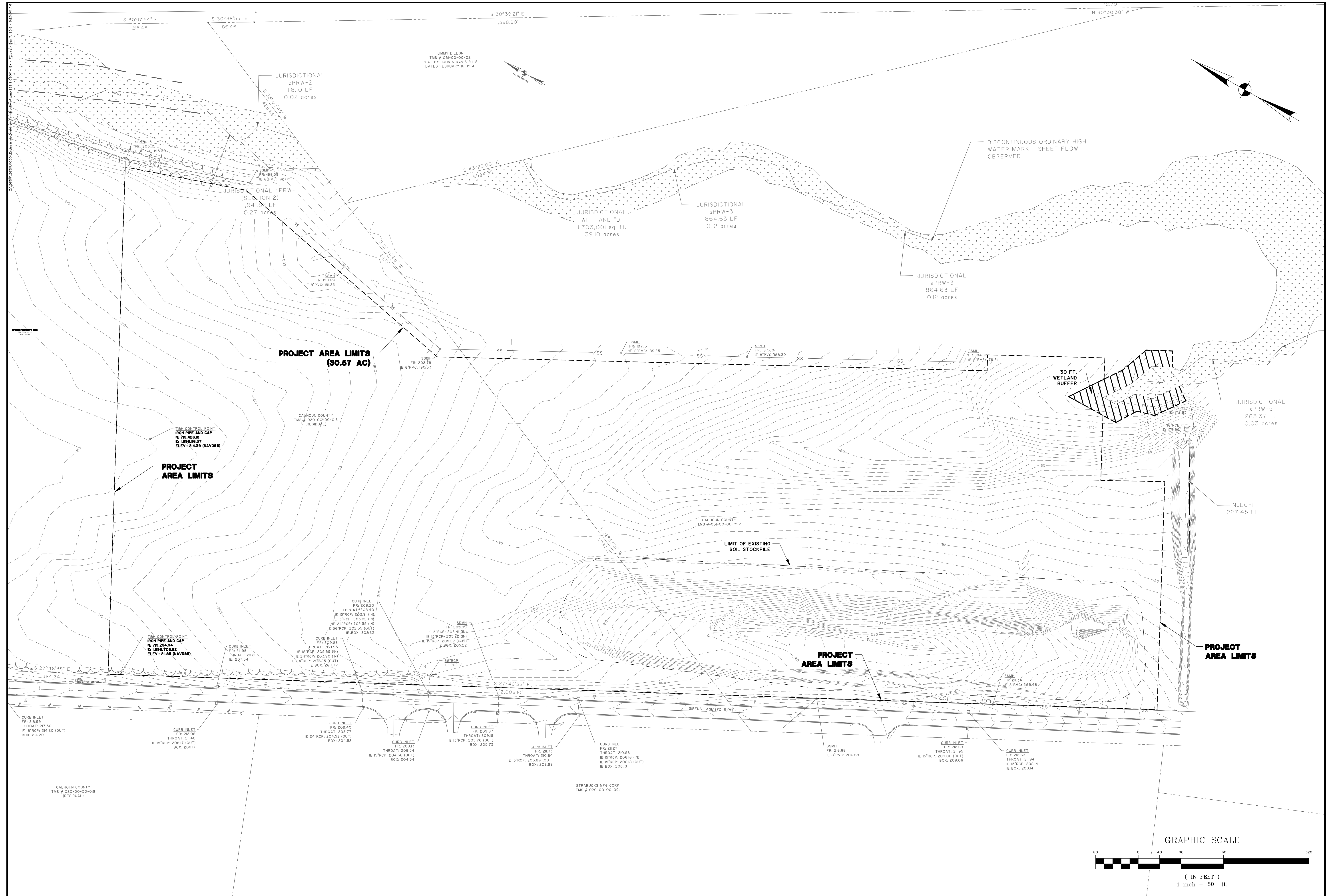
CALHOUN COUNTY
 CALHOUN COUNTY, SOUTH CAROLINA

MASS GRADING (SOIL STOCKPILE RELOCATION)

GENERAL NOTES AND LEGENDS

JOB NO:	J-26319.0000
DATE:	03/10/2017
DRAWN:	MSK
DESIGNED:	MSK
REVIEWED:	MBS
APPROVED:	MBS
SCALE:	AS SHOWN

G0.1



JIMMY DILLON
TMS # 031-00-00-021
PLAT BY JOHN K. DAVIS R.L.S.
DATED FEBRUARY 16, 1960

DISCONTINUOUS ORDINARY HIGH
WATER MARK - SHEET FLOW
OBSERVED

**PROJECT AREA LIMITS
(30.87 AC)**

**PROJECT
AREA LIMITS**

**PROJECT
AREA LIMITS**

**PROJECT
AREA LIMITS**

TAIL CONTROL POINT
IRON PIPE AND CAP
N: 75,426.18
E: 1,999,26.37
ELEV: 214.39 (NAVD88)

TAIL CONTROL POINT
IRON PIPE AND CAP
N: 75,254.94
E: 1,998,705.92
ELEV: 218.85 (NAVD88)

CURB INLET
FR: 212.08
THROAT: 212.08
IE 18"RCP: 214.20 (OUT)
BOX: 214.20

CURB INLET
FR: 209.68
THROAT: 208.93
IE 18"RCP: 205.35 (IN)
IE 24"RCP: 203.90 (IN)
IE 24"RCP: 202.35 (IN)
IE 36"RCP: 202.35 (OUT)
IE BOX: 204.77

CURB INLET
FR: 209.99
THROAT: 205.41 (IN)
IE 15"RCP: 205.22 (IN)
IE 15"RCP: 205.22 (OUT)
IE BOX: 205.22

CURB INLET
FR: 209.87
THROAT: 209.16
IE 15"RCP: 206.18 (IN)
IE 15"RCP: 206.18 (OUT)
IE BOX: 205.75

CURB INLET
FR: 210.66
THROAT: 210.66
IE 15"RCP: 206.68 (IN)
IE 15"RCP: 206.68 (OUT)
IE BOX: 206.68

CURB INLET
FR: 212.69
THROAT: 211.95
IE 15"RCP: 209.06 (OUT)
BOX: 209.06

CURB INLET
FR: 212.63
THROAT: 212.63
IE 15"RCP: 208.14
IE BOX: 208.14

CURB INLET
FR: 218.59
THROAT: 217.30
IE 18"RCP: 214.20 (OUT)
BOX: 214.20

CURB INLET
FR: 212.08
THROAT: 214.40
IE 18"RCP: 208.17 (OUT)
BOX: 208.17

CURB INLET
FR: 209.40
THROAT: 208.77
IE 24"RCP: 204.52 (OUT)
BOX: 204.52

CURB INLET
FR: 209.13
THROAT: 208.54
IE 15"RCP: 204.36 (OUT)
BOX: 204.34

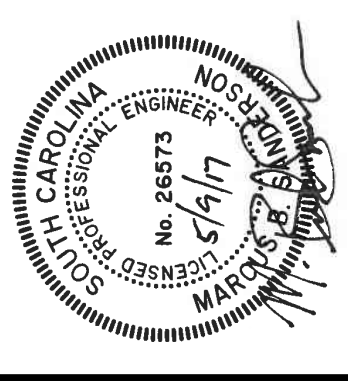
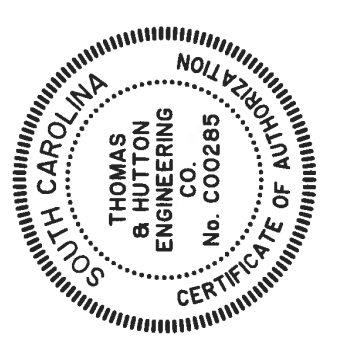
CURB INLET
FR: 210.33
THROAT: 210.64
IE 15"RCP: 206.89 (OUT)
BOX: 206.89

STRABUCKS MFG CORP
TMS # 020-00-00-091

CALHOUN COUNTY
TMS # 020-00-00-018
(RESIDUAL)

CALHOUN COUNTY
TMS # 020-00-00-018
(RESIDUAL)

CALHOUN COUNTY
TMS # 031-00-00-022



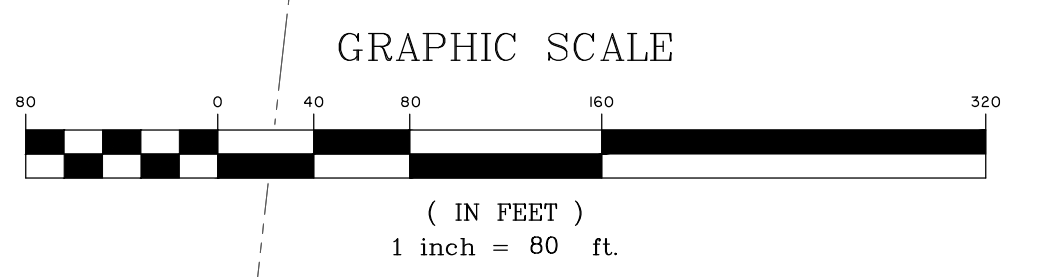
NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
Engineering | Surveying | Planning | GIS | Consulting
1501 Main Street • Suite 740
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

CALHOUN COUNTY
CALHOUN COUNTY, SOUTH CAROLINA
MASS GRADING (SOIL STOCKPILE RELOCATION)
EXISTING CONDITIONS

JOB NO: J-26319.0000
DATE: 03/10/2017
DRAWN: MSK
DESIGNED: MSK
REVIEWED: MBS
APPROVED: MBS
SCALE: 1" = 80'

C1.1



STORMWATER POLLUTION PREVENTION PLAN

EROSION CONTROL LEGEND

DESCRIPTION	PLAN SYMBOL
SILT FENCE	
CLEARING LIMITS	
TEMPORARY DIVERSION	
TEMPORARY SEEDING	
PERMANENT SEEDING	
EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT	
RIPRAP	
SEDIMENT BASIN	
POROUS BAFFLES	
STABILIZED CONSTRUCTION ENTRANCE	



- CONSTRUCTION SEQUENCE
- RECEIVE NPDES COVERAGE FROM DHEC.
 - ON-SITE PRE-CONSTRUCTION MEETING.
 - NOTIFY DHEC EDC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
 - INSTALLATION OF CONSTRUCTION ENTRANCE (MUST BE DONE PRIOR TO INSTALLATION OF PERIMETER CONTROLS).
 - FLAG ALL BUFFER ZONES (MUST BE DONE PRIOR TO PERIMETER CONTROL PLACEMENT AND BEFORE CONSTRUCTION COMMENCES).
 - CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
 - INSTALLATION OF PERIMETER CONTROLS.
 - CLEARING & GRUBBING ONLY IN AREAS OF SEDIMENT BASINS.
 - INSTALLATION OF SEDIMENT BASINS AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES. AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES AND DIVERSIONS TO THE STRUCTURES ARE COMPLETELY INSTALLED.
 - CLEARING & GRUBBING OF THE REMAINDER OF THE SITE.
 - CONTRACTOR TO PROCEED WITH SOIL STOCKPILE RELOCATION AND ASSOCIATED MASS GRADING ACTIVITIES. PERFORM ACTIVITIES PER DHEC APPROVED SWPPP.
 - INITIAL DITCH CONVEYANCES AND STABILIZE SLOPES IN CONSTRUCTION WITH GRADING. INSTALL EROSION CONTROL MAT ALONG SLOPES PER PLANS.
 - SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, TOPSOILING, AND RIPRAP.
 - FINAL STABILIZATION - TOPSOILING, PERMANENT SEEDING, AND RIPRAP.
 - CLEAN-OUT OF SEDIMENT BASINS.
 - REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED.
 - SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE.
 - CONTINUE MAINTENANCE OF EROSION CONTROL MEASURES UNTIL SITE STABILIZED.
 - TEMPORARY SEDIMENT BASIN TO REMAIN IN PLACE UNTIL FUTURE DEVELOPMENT OF THE PROPERTY.

TEMPORARY SEEDING - COASTAL

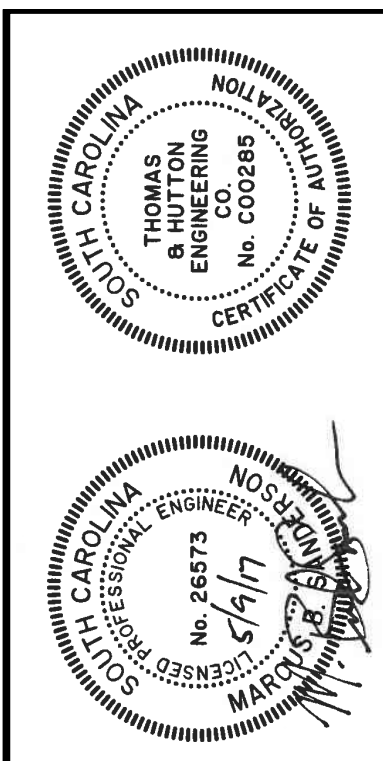
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET	40												
RYE, GRAIN	56												
RYEGRASS	50												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET	40												
JAPANESE MILLET	40												
RYE, GRAIN	56												
OATS	75												
RYEGRASS	50												

PERMANENT SEEDING - COASTAL

SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET	10												
BAHIAGRASS	40												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICA LESPEDEZA	40												
BROWNTOP MILLET	10												
ATLANTIC COASTAL PANICGRASS	PLS												
BROWNTOP MILLET	10												
SWITCHGRASS (ALAMO)	8												
LITTLE BLUESTEM	4												
SERICA LESPEDEZA	20												
BROWNTOP MILLET	10												
WEeping LOVEGRASS	8												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET	10												
BAHIAGRASS	40												
RYE, GRAIN	10												
BAHIAGRASS	40												
CLOVER, CRIMSON (ANNUAL)	5												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	10												
SERICA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	12												
KOBE LESPEDEZA (ANNUAL)	10												
BROWNTOP MILLET	10												
BAHIAGRASS	20												
BERMUDA, COMMON	6												
SERICA LESPEDEZA	40												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
LITTLE BLUESTEM	PLS												
INDIAGRASS	3												

LIST OF ACRONYMS FOR SEDIMENT AND EROSION CONTROL

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AMD	ACRYLAMIDE POLYMER
BFM	BONDED FIBER MATRIX
BMP(S)	BEST MANAGEMENT PRACTICE(S)
CFS	CUBIC FEET PER SECOND
CMP	CORRUGATED METAL PIPE
DHEC	DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ECB	EROSION CONTROL BLANKET
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPSC	EROSION PREVENTION AND SEDIMENTATION CONTROL
FDA	UNITED STATES FOOD AND DRUG ADMINISTRATION
FGM	FLEXIBLE GROWTH MATRIX
HDPE	HIGH DENSITY POLYETHYLENE
MS4	MUNICIPAL SEPARATE STORM SEWER SYSTEM
MSDS	MATERIAL SAFETY DATA SHEETS
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PAM	POLYACRYLAMIDE OR POLYMER
RCP	REINFORCED CONCRETE PIPE
SCS	SOIL CONSERVATION SERVICE
SWPPP	STORMWATER POLLUTION PREVENTION PROGRAM
TRM	TURF REINFORCEMENT MAT
VFS	VEGETATED FILTER STRIP



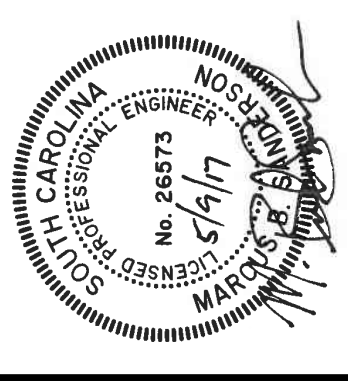
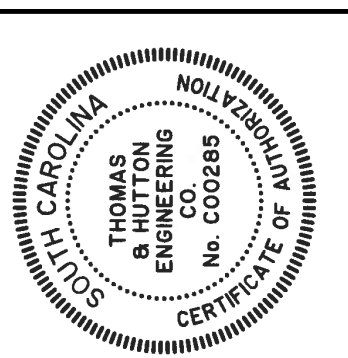
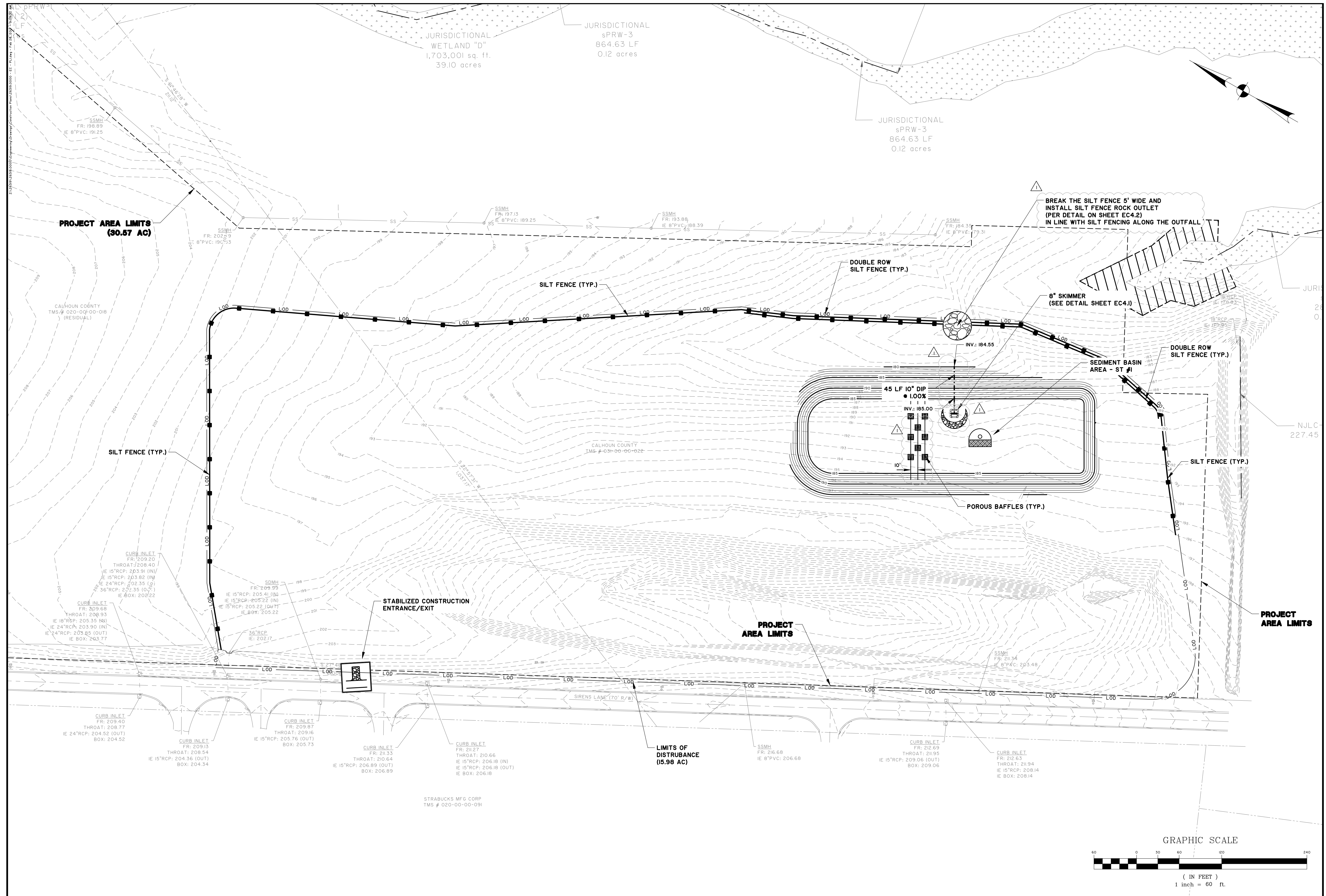
NO.	REVISIONS	DATE
1	REVISED PER SEDHEC COMMENTS	5/3/17

THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting
 1501 Main Street • Suite 740
 Columbia, SC 29201 • 803.451.6789
 www.thomasandhutton.com

CALHOUN COUNTY
 CALHOUN COUNTY, SOUTH CAROLINA
 MASS GRADING (SOIL STOCKPILE RELOCATION)
 EROSION CONTROL CHART

JOB NO:	J-26319.0000
DATE:	03/10/2017
DRAWN:	MSK
DESIGNED:	MSK
REVIEWED:	MBS
APPROVED:	MBS
SCALE:	N/A

EC0.2



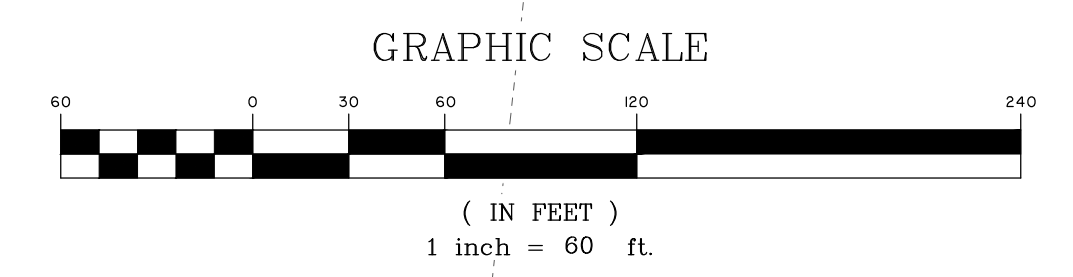
NO.	REVISIONS	BY	DATE
1	REVISED PER REDHECK COMMENTS		

THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting
 1501 Main Street • Suite 740
 Columbia, SC 29201 • 803.451.6789
 www.thomasandhutton.com

CALHOUN COUNTY
 CALHOUN COUNTY, SOUTH CAROLINA
 MASS GRADING (SOIL STOCKPILE RELOCATION)
 EROSION CONTROL PLAN - INITIAL PHASE

JOB NO:	J-26319.0000
DATE:	03/10/2017
DRAWN:	MSK
DESIGNED:	MSK
REVIEWED:	MBS
APPROVED:	MBS
SCALE:	1" = 60'

EC1.1



STRABUCKS MFG CORP
 TMS # 020-00-00-091

LIMITS OF
 DISTURBANCE
 (15.98 AC)

PROJECT
 AREA LIMITS

PROJECT
 AREA LIMITS

PROJECT AREA LIMITS
 (30.87 AC)

JURISDICTIONAL
 WETLAND "D"
 1,703,001 sq. ft.
 39.10 acres

JURISDICTIONAL
 sPRW-3
 864.63 LF
 0.12 acres

JURISDICTIONAL
 sPRW-3
 864.63 LF
 0.12 acres

CALHOUN COUNTY
 TMS # 020-00-00-018
 (RESIDUAL)

CALHOUN COUNTY
 TMS # 031-00-00-022

NJLC
 227.45

CURB INLET
 FR: 209.20
 THROAT: 208.40
 IE 15"RCP: 203.91 (IN)
 IE 15"RCP: 203.82 (IN)
 IE 24"RCP: 202.35 (S)
 IE 36"RCP: 202.35 (100%)
 IE BOX: 202.22

CURB INLET
 FR: 209.40
 THROAT: 208.77
 IE 24"RCP: 204.52 (OUT)
 BOX: 204.52

CURB INLET
 FR: 209.13
 THROAT: 208.54
 IE 15"RCP: 204.36 (OUT)
 BOX: 204.34

CURB INLET
 FR: 209.87
 THROAT: 209.16
 IE 15"RCP: 205.76 (OUT)
 BOX: 205.73

CURB INLET
 FR: 211.33
 THROAT: 210.64
 IE 15"RCP: 206.89 (OUT)
 BOX: 206.89

CURB INLET
 FR: 211.27
 THROAT: 210.66
 IE 15"RCP: 206.18 (IN)
 IE 15"RCP: 206.18 (OUT)
 IE BOX: 206.18

SMMH
 FR: 216.68
 IE 8"PV: 206.68

CURB INLET
 FR: 212.69
 THROAT: 211.95
 IE 15"RCP: 209.06 (OUT)
 BOX: 209.06

CURB INLET
 FR: 212.63
 THROAT: 211.94
 IE 15"RCP: 208.14
 IE BOX: 208.14

CURB INLET
 FR: 209.68
 THROAT: 208.93
 IE 15"RCP: 205.35 (IN)
 IE 24"RCP: 203.90 (IN)
 IE 24"RCP: 203.85 (OUT)
 IE BOX: 203.77

SMMH
 FR: 209.99
 IE 15"RCP: 205.41 (IN)
 IE 15"RCP: 205.22 (IN)
 IE 15"RCP: 205.22 (OUT)
 IE BOX: 205.22

3.6"RCP
 IE: 202.17

45 LF 10" DIP
 ● 1.00%
 INV: 185.00

DOUBLE ROW
 SILT FENCE (TYP.)

SILT FENCE (TYP.)

SILT FENCE (TYP.)

BREAK THE SILT FENCE 5' WIDE AND
 INSTALL SILT FENCE ROCK OUTLET
 (PER DETAIL ON SHEET EC4.2)
 IN LINE WITH SILT FENCING ALONG THE OUTFALL

8" SKIMMER
 (SEE DETAIL SHEET EC4.1)

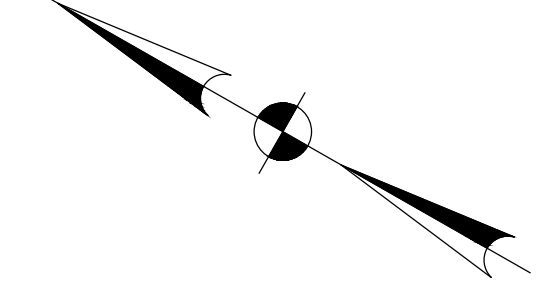
SEDIMENT BASIN
 AREA - ST #1

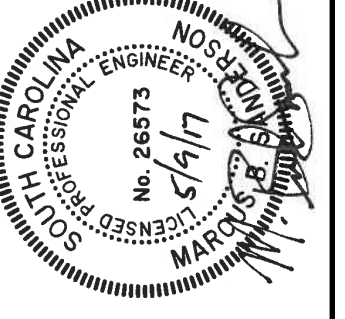
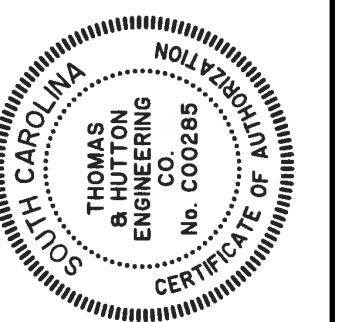
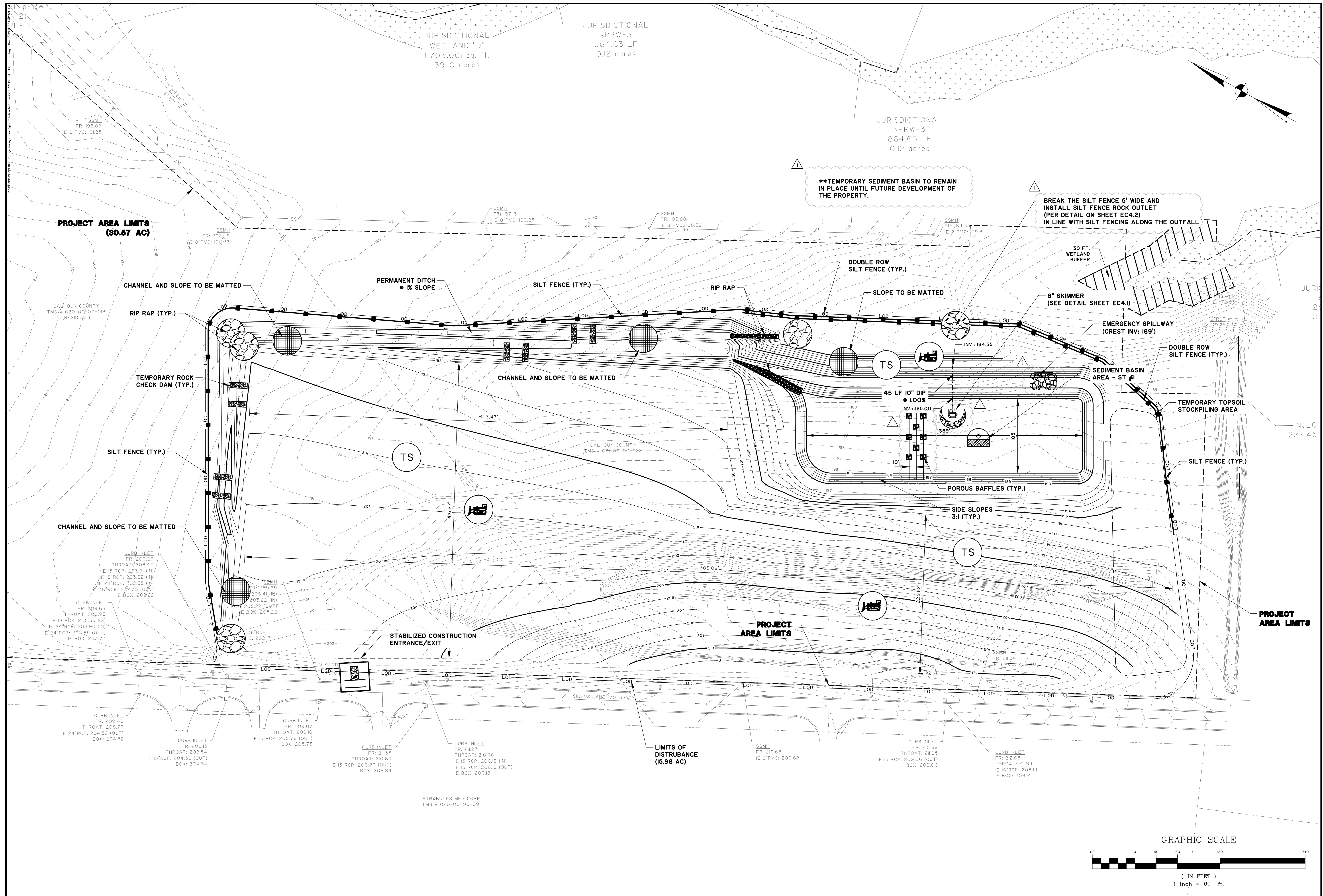
DOUBLE ROW
 SILT FENCE (TYP.)

SILT FENCE (TYP.)

POROUS BAFFLES (TYP.)

SIRENS LANE (70' R/W)





NO.	REVISED PER	DATE
1	REVISIONS	
2	BY	
3	DATE	

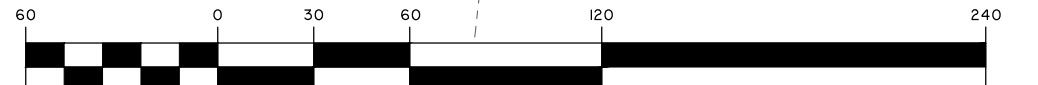
THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting
 1501 Main Street • Suite 740
 Columbia, SC 29201 • 803.451.6789
 www.thomasandhutton.com

CALHOUN COUNTY
 CALHOUN COUNTY, SOUTH CAROLINA
 MASS GRADING (SOIL STOCKPILE RELOCATION)
EROSION CONTROL PLAN - CONSTRUCTION PHASE

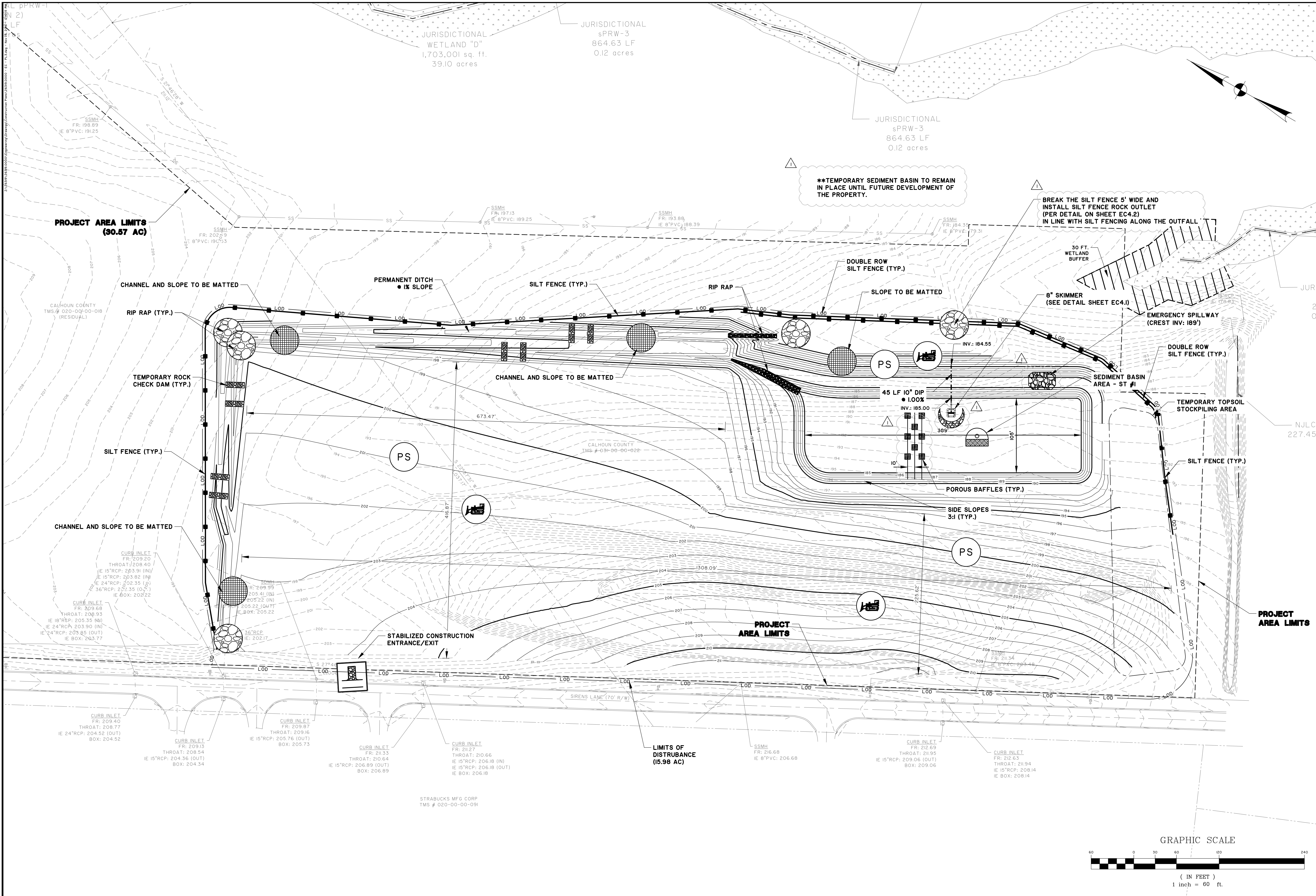
JOB NO: J-26319.0000
 DATE: 03/10/2017
 DRAWN: MSK
 DESIGNED: MSK
 REVIEWED: MBS
 APPROVED: MBS
 SCALE: 1" = 60'

EC2.1

GRAPHIC SCALE

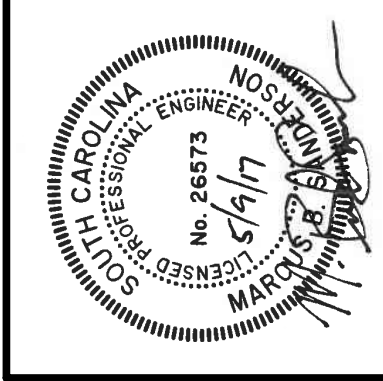
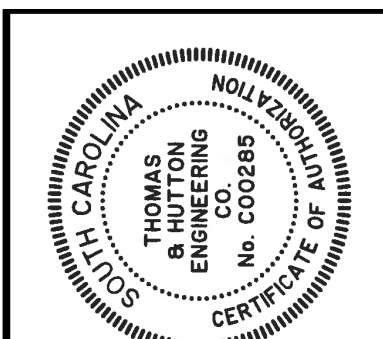
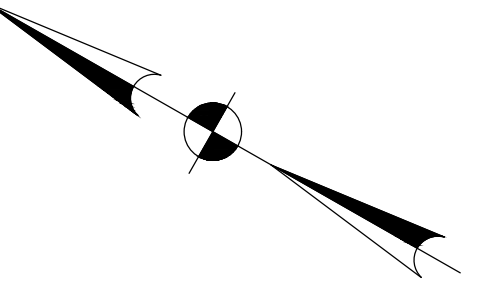


(IN FEET)
 1 inch = 60 ft.



**TEMPORARY SEDIMENT BASIN TO REMAIN IN PLACE UNTIL FUTURE DEVELOPMENT OF THE PROPERTY.

BREAK THE SILT FENCE 5' WIDE AND INSTALL SILT FENCE ROCK OUTLET (PER DETAIL ON SHEET EC4.2) IN LINE WITH SILT FENCING ALONG THE OUTFALL



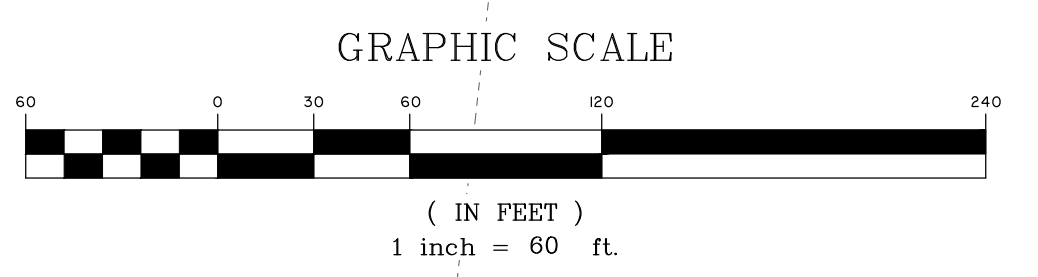
NO.	1	REVISIONS	REVISOR	DATE
BY	CGW	5/3/17		

THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting
 1501 Main Street • Suite 740
 Columbia, SC 29201 • 803.451.6789
 www.thomasandhutton.com

CALHOUN COUNTY
 CALHOUN COUNTY, SOUTH CAROLINA
 MASS GRADING (SOIL STOCKPILE RELOCATION)
 EROSION CONTROL - STABILIZATION PHASE

JOB NO:	J-26319.0000
DATE:	03/10/2017
DRAWN:	MSK
DESIGNED:	MSK
REVIEWED:	MBS
APPROVED:	MBS
SCALE:	1" = 60'

EC3.1



STRABUCKS MFG CORP
 TMS # 020-00-00-091

NJLC
 227.45

LIMITS OF DISTURBANCE
 (15.98 AC)

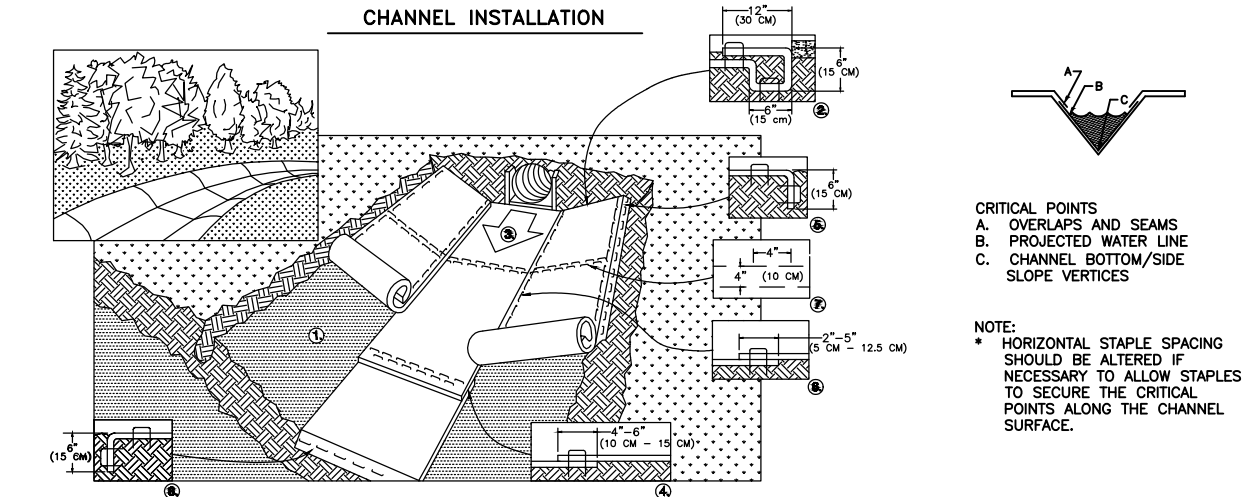
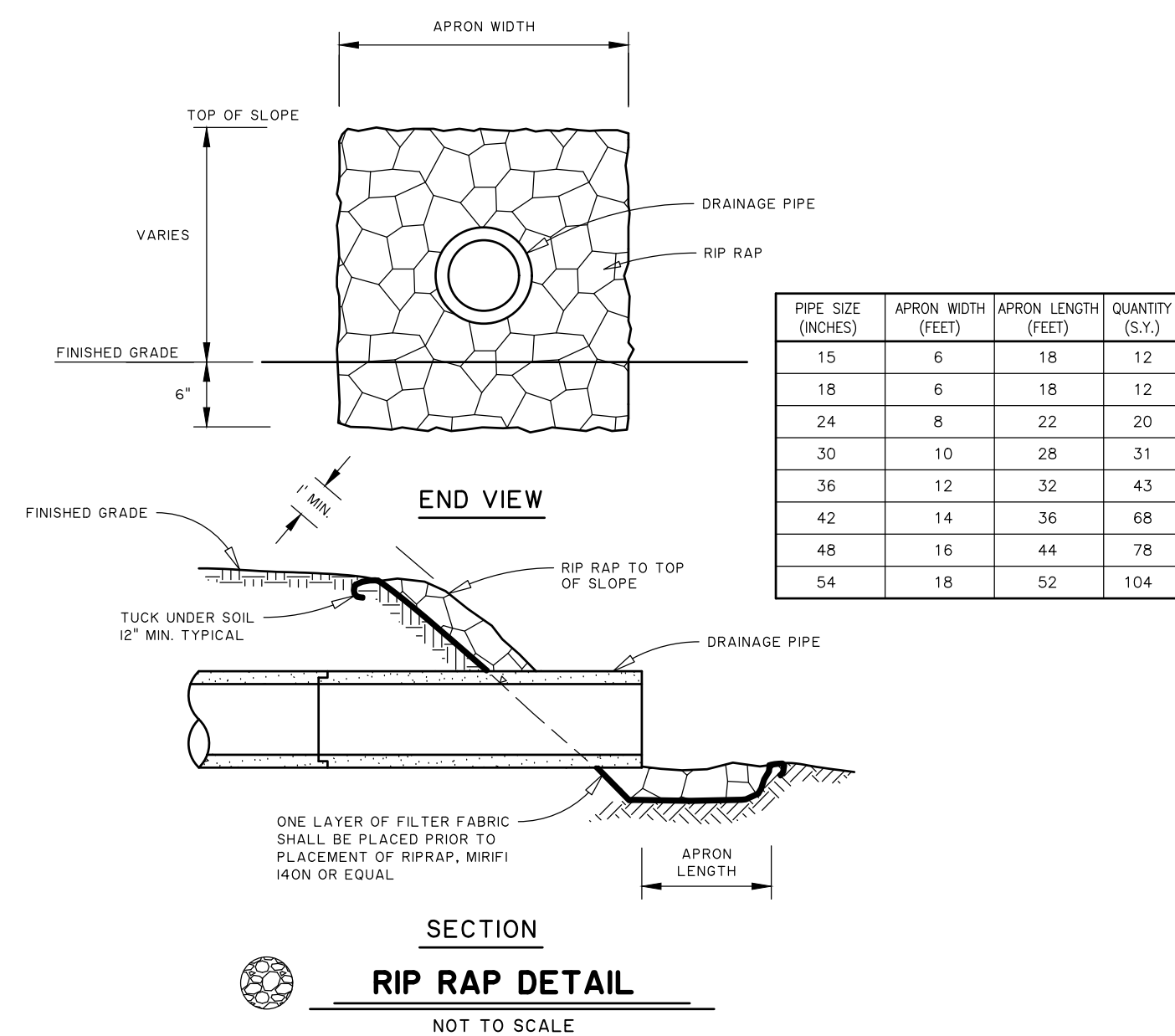
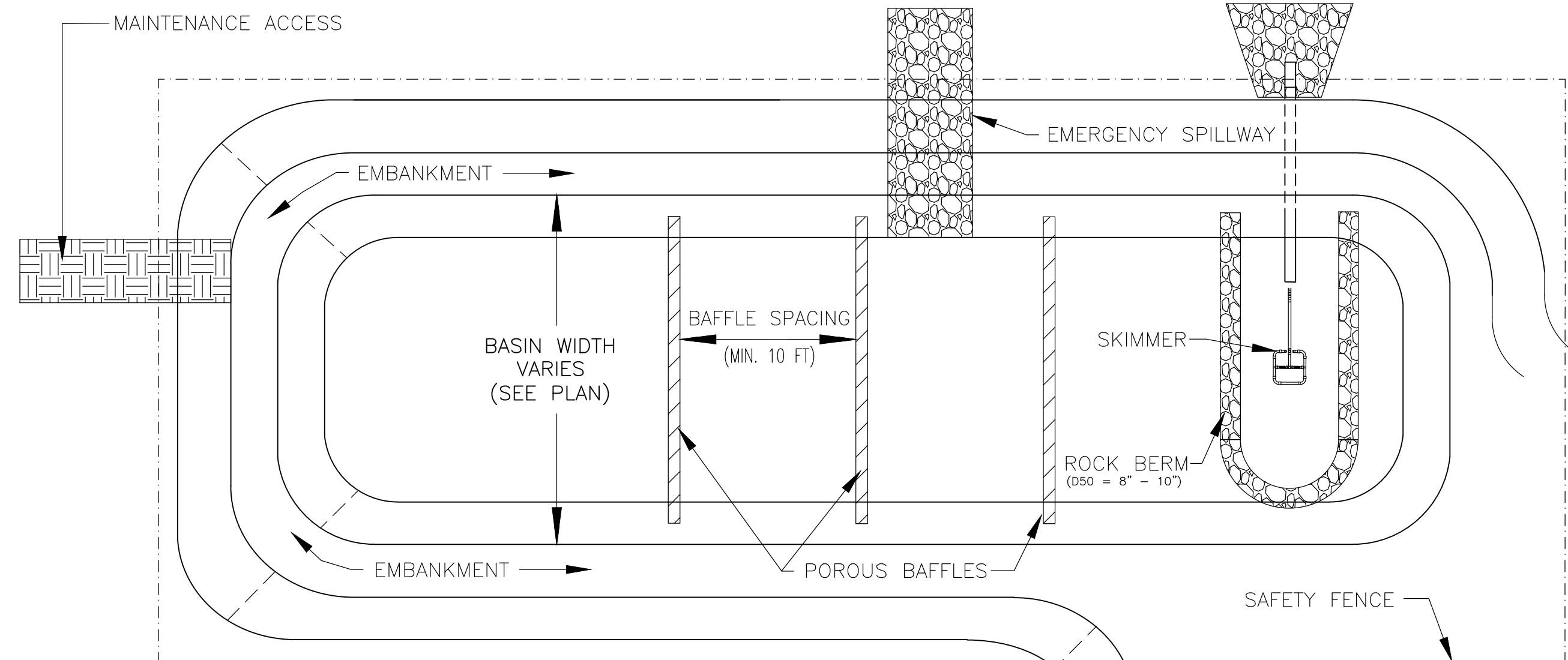
PROJECT AREA LIMITS
 (30.87 AC)

PROJECT AREA LIMITS

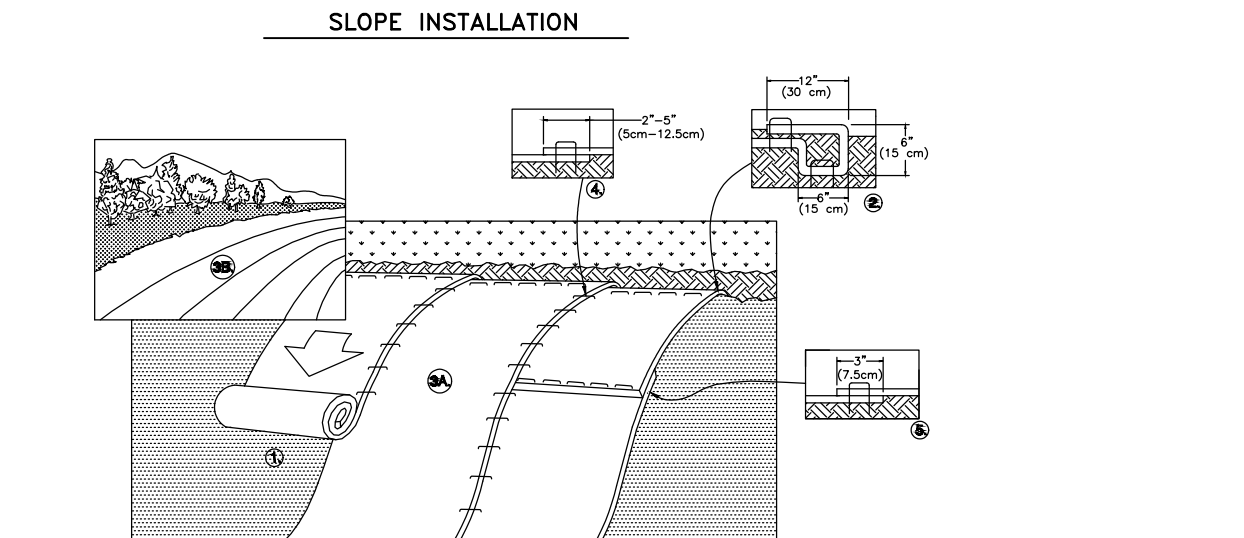
PROJECT AREA LIMITS

DRY SEDIMENT BASIN PLAN VIEW

STORMWATER POLLUTION PREVENTION PLAN

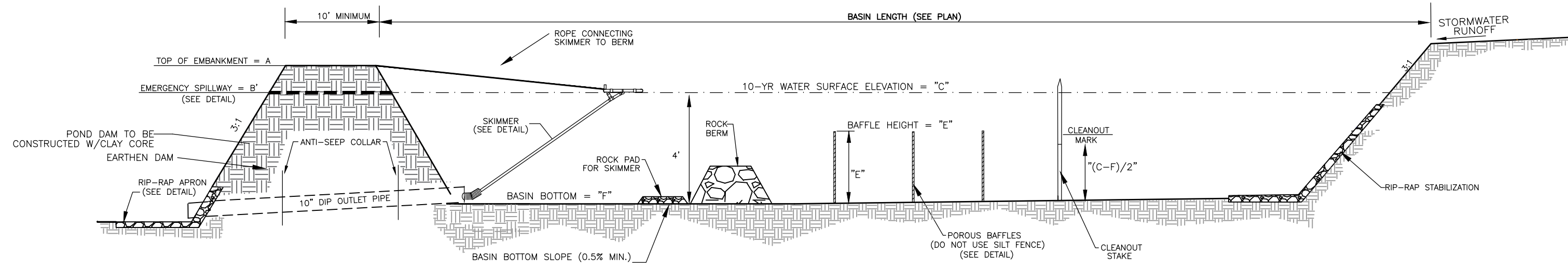


1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE THE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
 3. ROLL CENTER RECP'S IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. PLACE CONSECUTIVE RECP'S END OVER END (SHINGLE STYLE) WITH A 4" - 6" (10 CM - 15 CM) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) AND 4" (10 CM) ON CENTER TO SECURE RECP'S.
 5. FULL LENGTH EDGE OF RECP'S AT TOP OF SLOPE SHOULD BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
 6. ADJACENT RECP'S MUST BE OVERLAPPED APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) (DEPENDING ON RECP'S TYPE) AND STAPLED.
 7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 M - 12 M) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10 CM) APART AND 4" (10 CM) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
 8. THE TERMINAL END OF THE RECP'S MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

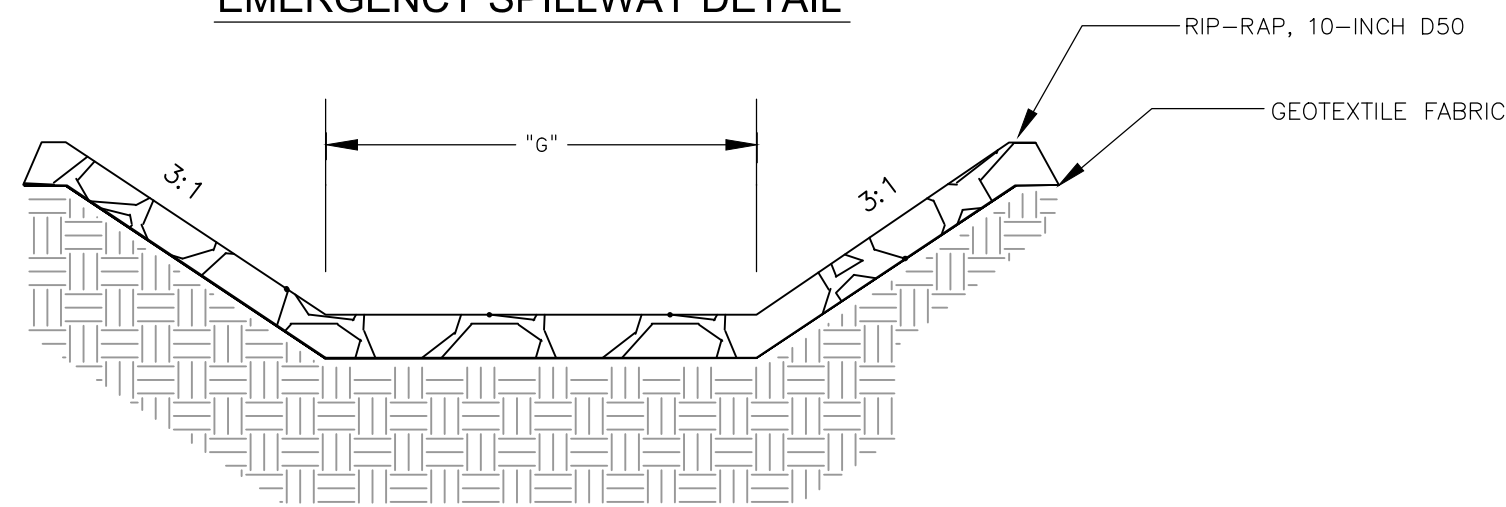


1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE THE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
 3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
 5. CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.
- NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

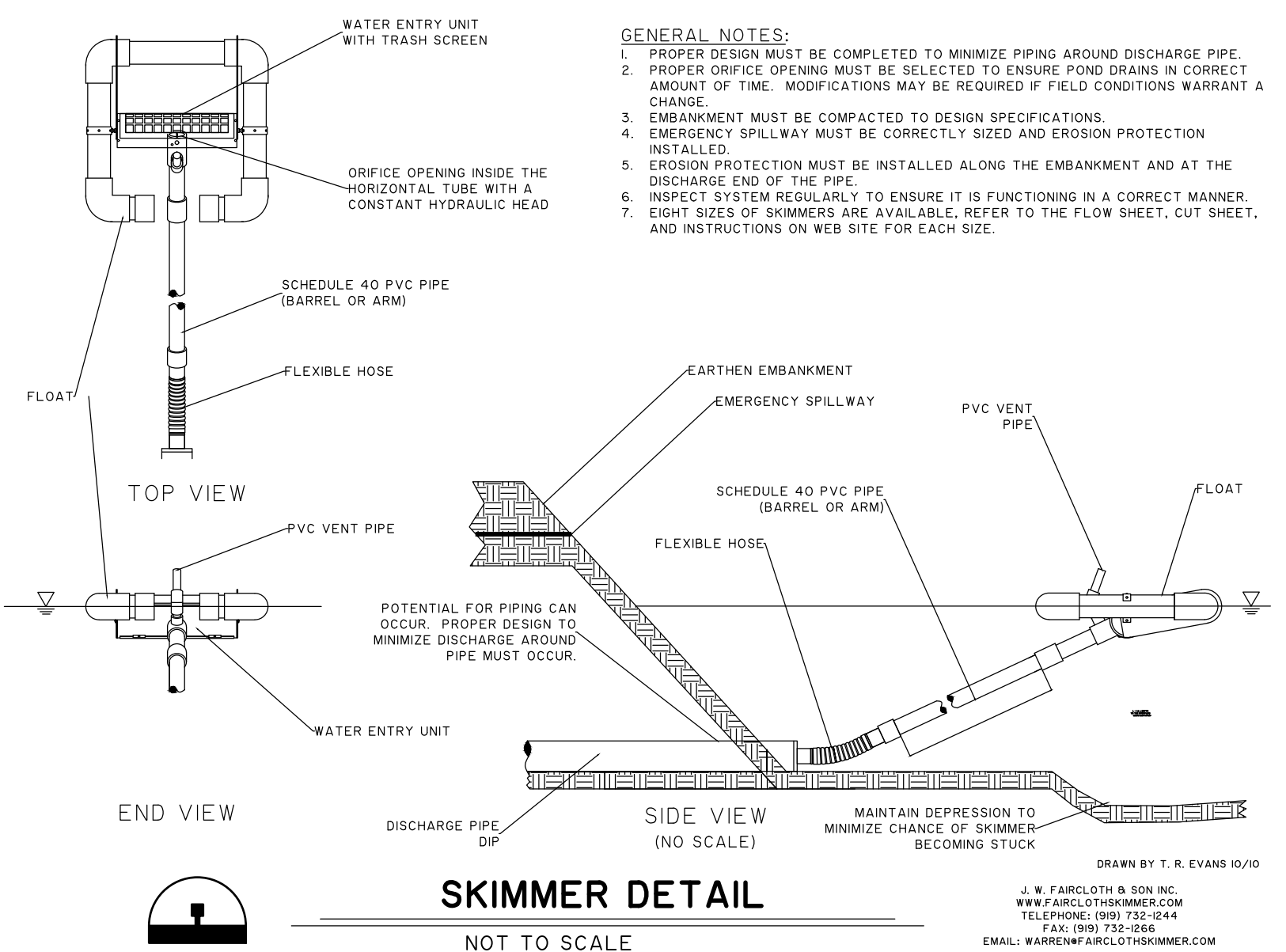
POND 1 (DRY) SECTIONAL VIEW



EMERGENCY SPILLWAY DETAIL

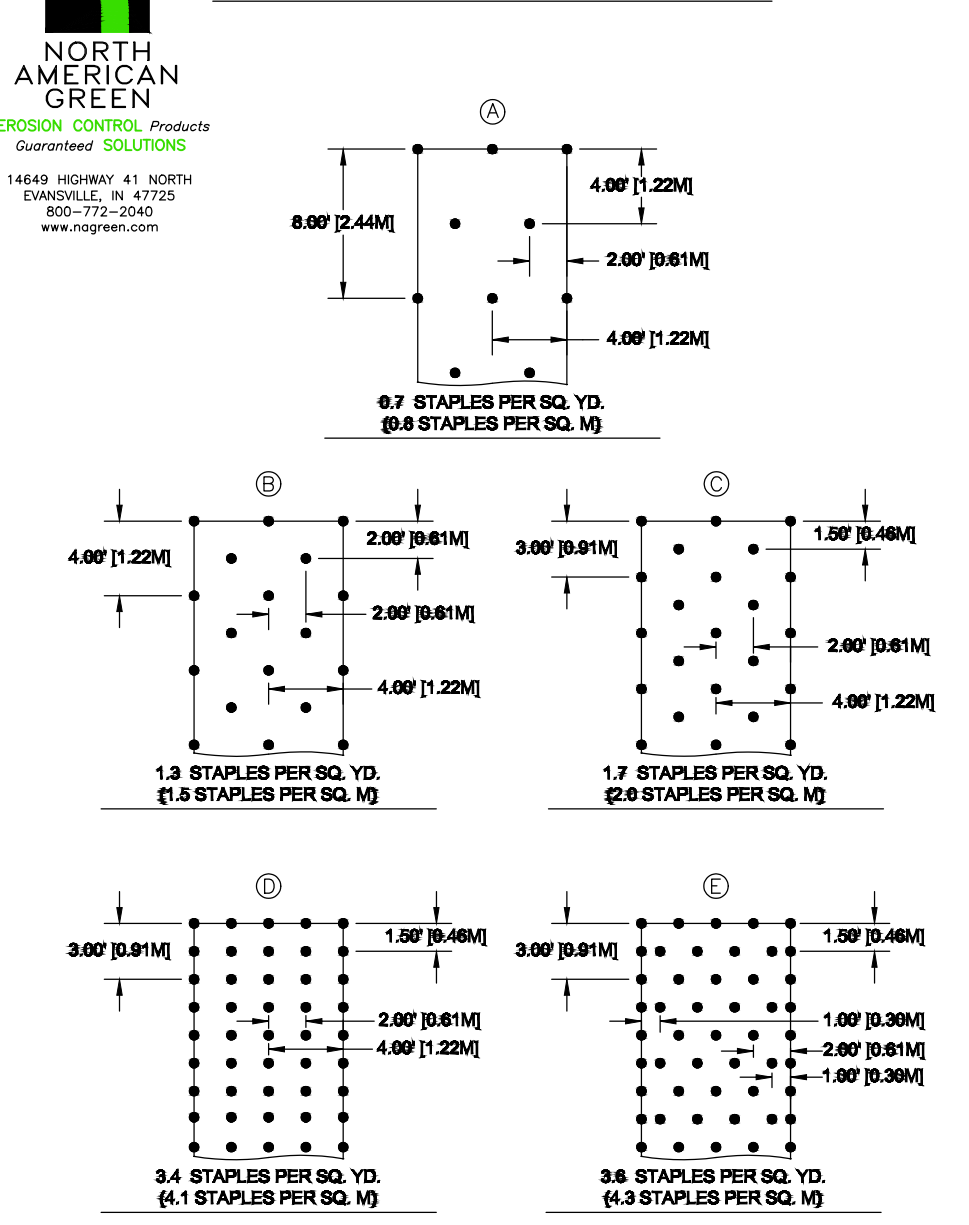


FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH EMBANKMENT



- GENERAL NOTES:**
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING UNDER DISCHARGE PIPE.
 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. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
 4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
 5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
 6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER. EIGHT SIZES OF SKIMMERS ARE AVAILABLE. REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

STAPLE PATTERN GUIDE
8' (2.4 M) WIDE ROLLS



EROSION CONTROL BLANKET
NOT TO SCALE

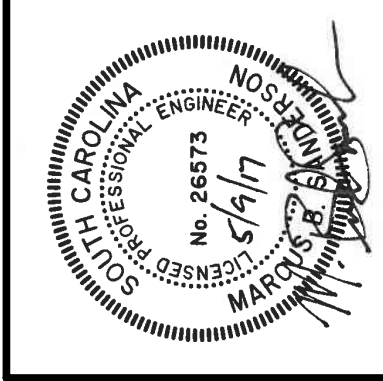
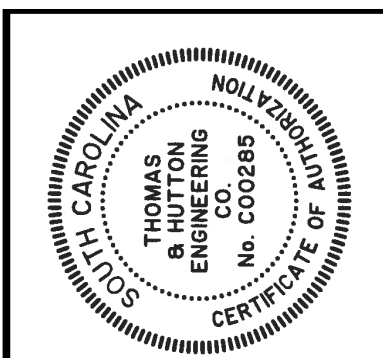
SEDIMENT BASIN DESIGN CRITERIA

SEDIMENT BASIN NUMBER/NAME	"A"	"B"	"C"	"E"	"F"	"G"	CONTRIBUTING ACREAGE
ST #1	190.00	189.00	187.49	3.00	185.00	10.00	12.10

- NOTES:**
1. CONTRACTOR TO REMOVE SKIMMER UPON STABILIZATION OF THE CONTRIBUTING DRAINAGE AREA.

DESIGN CRITERIA				
POND NUMBER	SKIMMER SIZE (IN)	ORIFICE RADIUS (IN)	ORIFICE DIA. (IN)	VOLUME (CF) *
1	8	4.0	8.0	293.034

*SKIMMER SIZE IS BASED ON THE VOLUME REQUIRED TO DEWATER THE BASIN WITHIN 72 HRS



NO.	REVISIONS	DATE

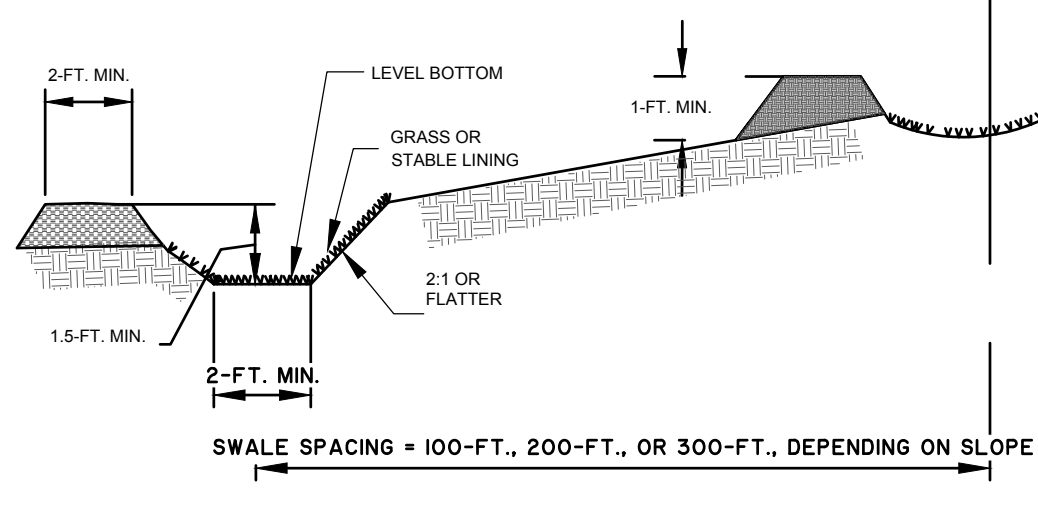
THOMAS & HUTTON
Engineering | Surveying | Planning | GIS | Consulting
1501 Main Street • Suite 740
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

CALHOUN COUNTY
CALHOUN COUNTY, SOUTH CAROLINA
MASS GRADING (SOIL STOCKPILE RELOCATION)
EROSION CONTROL DETAILS

JOB NO:	J-26319.0000
DATE:	03/10/2017
DESIGNED:	MSK
REVIEWED:	MBS
APPROVED:	MBS
SCALE:	N/A

EC4.1

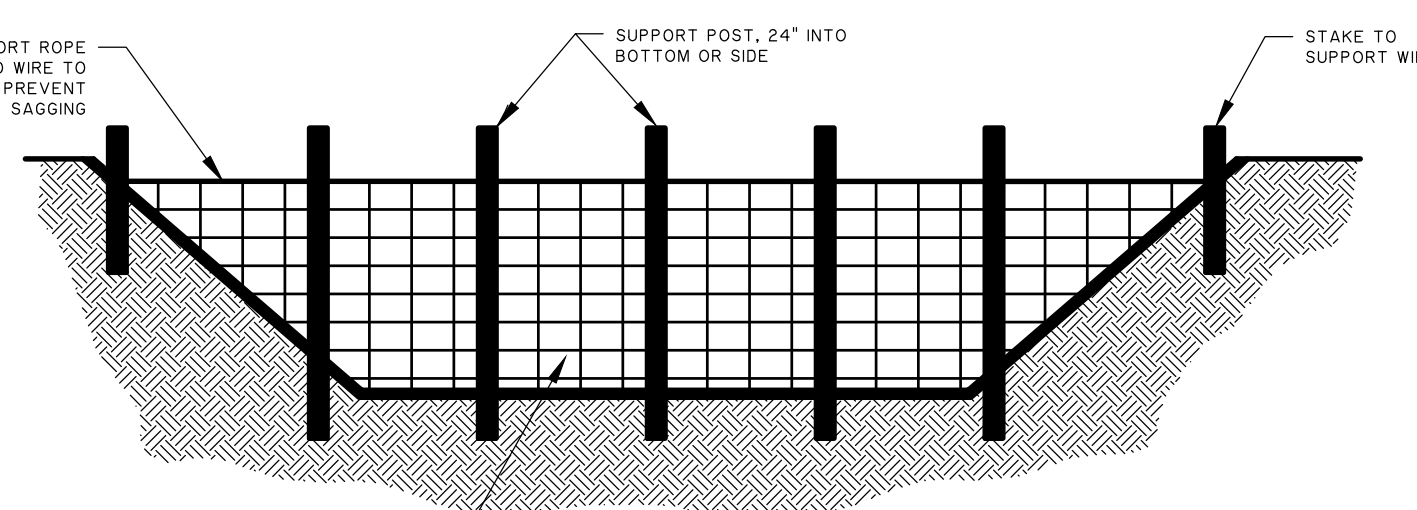
STORMWATER POLLUTION PREVENTION PLAN



INSTALLATION
 THE BOTTOM WIDTH SHOULD BE A MINIMUM OF 2 FEET, AND THE BOTTOM SHOULD BE LEVEL.
 THE DEPTH SHOULD BE A MINIMUM OF 1.5 FEET AND THE SIDE SLOPES SHOULD BE 2H:1V OR FLATTER.
 THE MAXIMUM GRADE SHALL BE 5%, WITH POSITIVE DRAINAGE TO A SUITABLE OUTLET.
 SLOPES SHALL BE STABILIZED IMMEDIATELY USING VEGETATION, SOO, AND EROSION CONTROL BLANKETS OR TURF REINFORCEMENT MATS TO PREVENT EROSION.
 THE UPSLOPE SIDE OF THE SWALE SHOULD PROVIDE POSITIVE DRAINAGE SO NO EROSION OCCURS AT THE OUTLET. PROVIDE ENERGY DISSIPATION MEASURES AS NECESSARY.
 SEDIMENT-LADEN RUNOFF SHALL BE DIRECTED TO A SEDIMENT TRAPPING FACILITY.

INSPECTION AND MAINTENANCE
 DAMAGE CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.

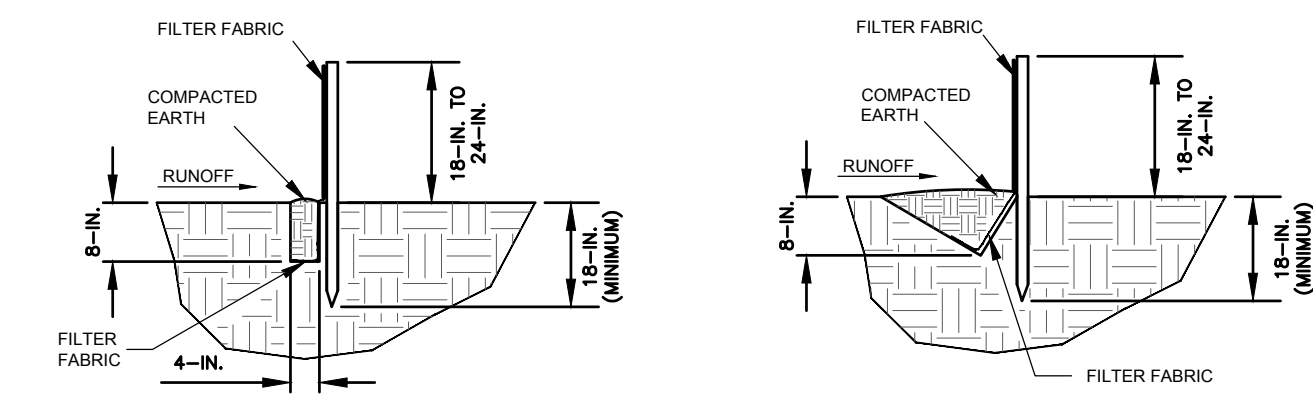
TEMPORARY DIVERSION DITCH OR SWALE
 NOT TO SCALE



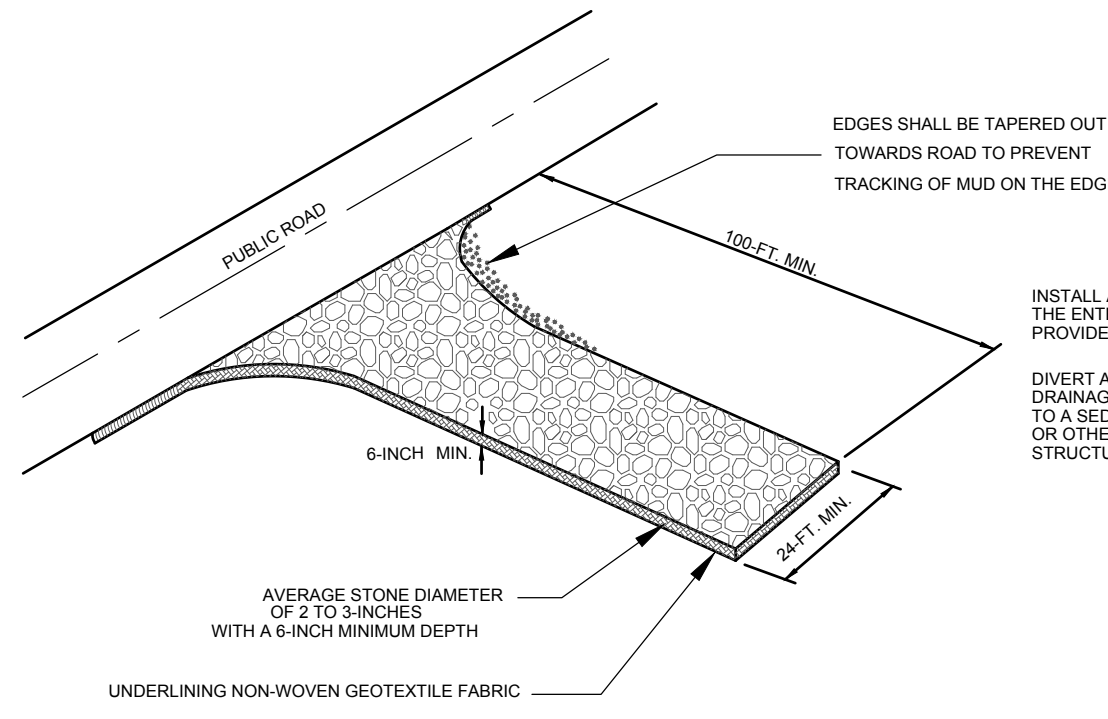
CONSTRUCTION SPECIFICATIONS:

1. INSTALL POSTS ACROSS THE WIDTH OF THE SEDIMENT BASIN.
2. STEEL POSTS SHOULD BE DRIVEN TO A DEPTH OF 24 INCHES, SPACED A MAXIMUM OF 4 FEET APART, AND INSTALLED UP THE SIDES OF THE BASIN AS WELL. THE TOP OF THE FABRIC SHOULD BE 6 INCHES HIGHER THAN THE INVERT OF THE SPILLWAY. TOPS OF Baffles SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE BERMS.
3. INSTALL AT LEAST THREE ROWS OF Baffles BETWEEN THE INLET AND OUTLET DISCHARGE POINT.
4. WHEN USING POSTS, ADD A SUPPORT WIRE OR ROPE ACROSS THE TOP OF THE MEASURE TO PREVENT SAGGING.
5. WRAP POROUS MATERIAL, LIKE JUTE BACKED BY COIR MATERIAL, OVER THE TOP WIRE. THE FABRIC SHOULD HAVE FIVE TO TEN PERCENT OPENINGS IN THE WEAVE. ATTACH FABRIC TO A ROPE AND A SUPPORT STRUCTURE WITH ZIP TIES, WIRE, OR STAPLES.
6. THE BOTTOM SIDES OF THE FABRIC SHOULD BE ANCHORED IN A TRENCH OR PINNED WITH 8 INCH EROSION CONTROL MATTING STAPLES.
7. DO NOT STAPLE THE FABRIC, BUT USE A CONTINUOUS PIECE ACROSS THE BASIN.
8. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, REMOVE ALL Baffle MATERIALS, AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE, AND STABILIZE IT.

SILT FENCE INSTALLATION



POROUS Baffle DETAIL
 NOT TO SCALE



WHEN AND WHERE TO USE IT:
 STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

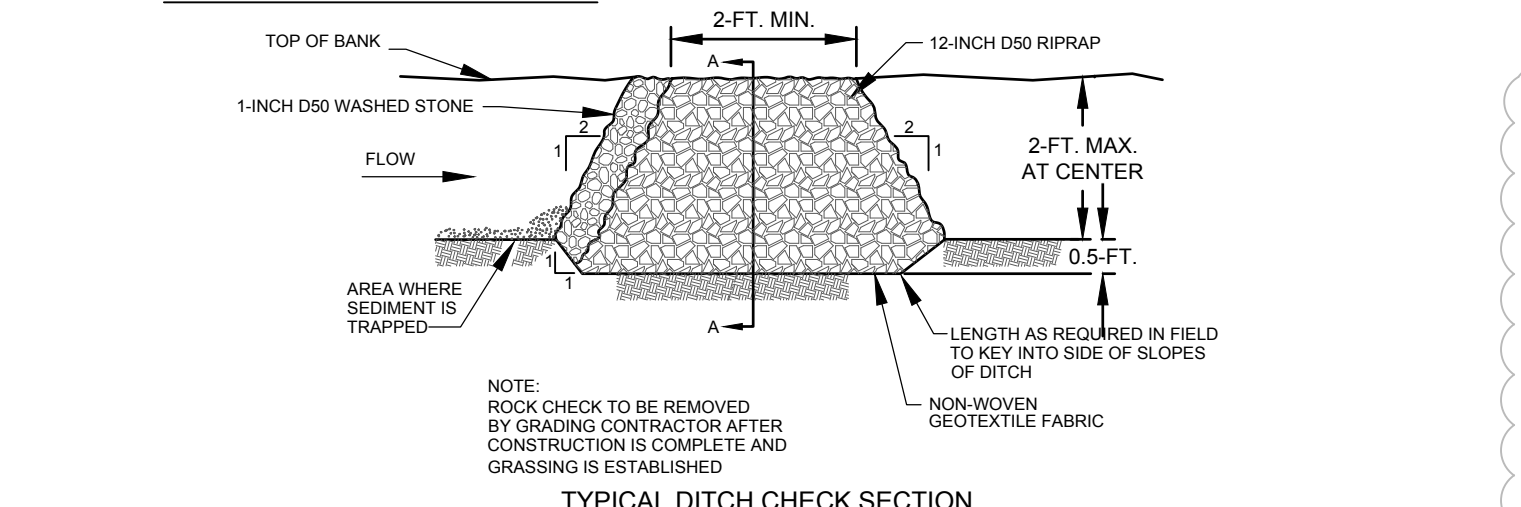
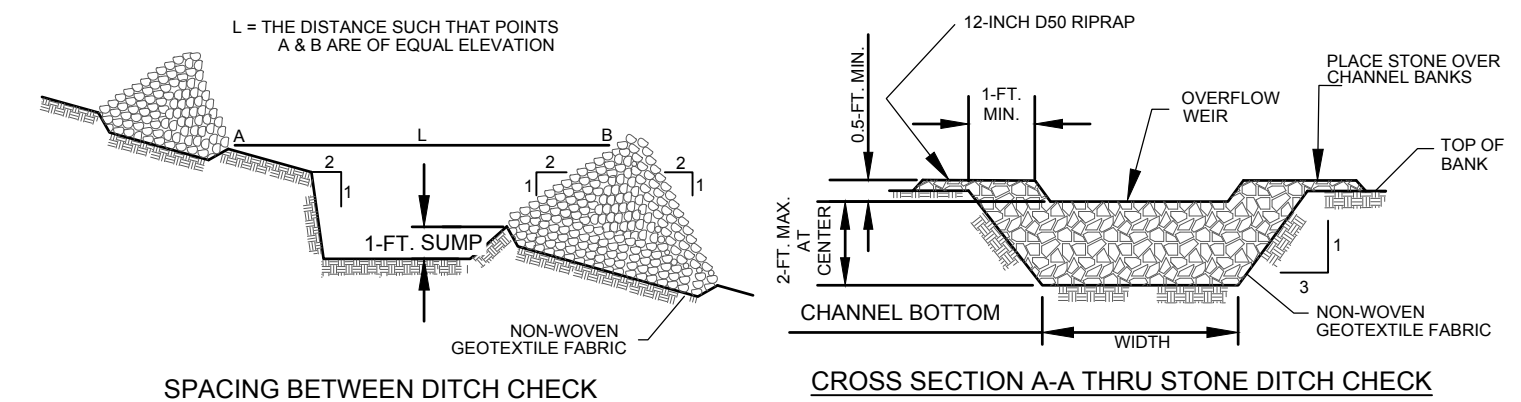
IMPORTANT CONSIDERATIONS:
 IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFFSITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY SCDC'S AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR BASIN.

CONSTRUCTION SPECIFICATIONS:
 CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

INSTALLATION:
 REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.
 DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN.
 INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.
 INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
 THE ENTRANCE SHALL CONSIST OF 1-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.
 MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100-FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.
 THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.

INSPECTION AND MAINTENANCE:
 CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
 WASH OR REPLACE STONES AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES.
 FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE.
 IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.
 REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE

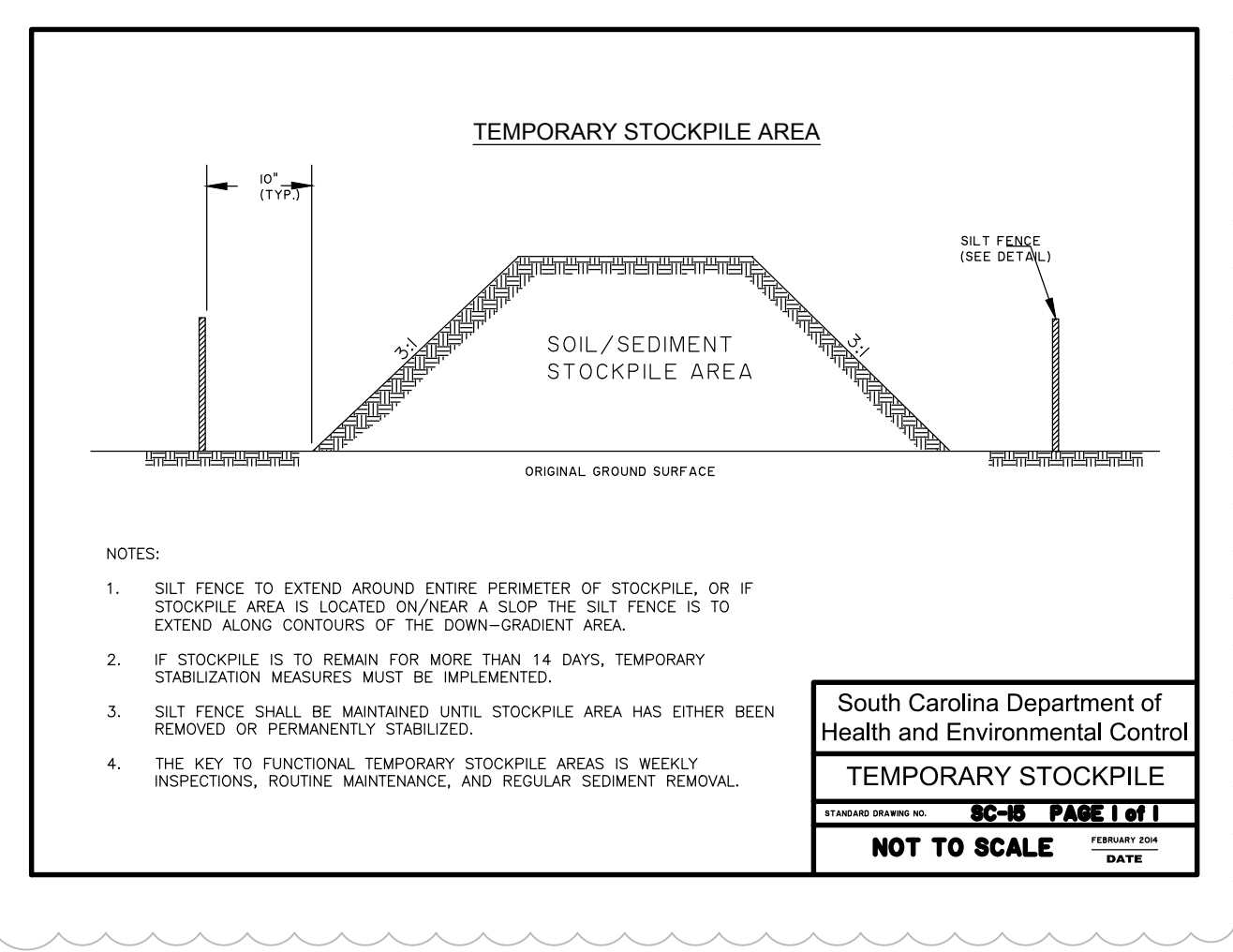


WHEN AND WHERE TO USE IT:
 A ROCK DITCH CHECK SHOULD BE INSTALLED IN STEEPLY SLOPED SWALES, OR IN SWALES WHERE ADEQUATE VEGETATION CANNOT BE ESTABLISHED. ROCK DITCH CHECKS SHOULD BE USED ONLY IN SMALL OPEN CHANNELS. ROCK DITCH CHECKS SHOULD NOT BE PLACED IN WATERS OF THE COMMONWEALTH OR USGS BLUE-LINE STREAMS.

INSTALLATION:
 A NON-WOVEN GEOTEXTILE FABRIC SHALL BE INSTALLED OVER THE SOIL SURFACE WHERE THE ROCK DITCH CHECK IS TO BE PLACED.
 THE BODY OF THE ROCK DITCH CHECK SHALL BE COMPOSED OF 12-INCH D50 RIPRAP.
 THE UPSLOPE FACE OF THE ROCK DITCH CHECK MAY BE COMPOSED OF 1-INCH D50 WASHED STONE.
 ROCK DITCH CHECKS SHOULD NOT EXCEED A HEIGHT OF 2 FEET AT THE CENTERLINE OF THE CHANNEL.
 ROCK DITCH CHECKS SHOULD HAVE A MINIMUM TOP FLOW LENGTH OF 2 FEET.
 STONE SHOULD BE PLACED OVER THE CHANNEL BANKS TO PREVENT WATER FROM CUTTING AROUND THE DITCH CHECK.
 THE ROCK MUST BE PLACED BY HAND OR MECHANICAL PLACEMENT (NO DUMPING OF ROCK TO FORM DAM) TO ACHIEVE COMPLETE COVERAGE OF THE DITCH OR SWALE AND TO ENSURE THAT THE CENTER OF THE CHECK IS LOWER THAN THE EDGES.
 THE MAXIMUM SPACING BETWEEN THE DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSLOPE CHECK IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSLOPE CHECK.

INSPECTION AND MAINTENANCE:
 INSPECT FOR SEDIMENT AND DEBRIS ACCUMULATION. INSPECT DITCH CHECK EDGES FOR EROSION AND REPAIR PROMPTLY AS REQUIRED.
 SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/3 THE ORIGINAL CHECK HEIGHT.
 IN THE CASE OF GRASS-LINED DITCHES AND SWALES, ROCK DITCH CHECKS SHOULD BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH OR SWALE UNLESS THE SLOPE OF THE SWALE IS GREATER THAN 4%.
 AFTER CONSTRUCTION IS COMPLETE, ALL STONE SHOULD BE REMOVED BY THE GRADING CONTRACTOR IF VEGETATION WILL BE USED FOR PERMANENT EROSION CONTROL MEASURES.
 THE AREA BENEATH THE ROCK DITCH CHECKS SHOULD BE SEEDED AND MULCHED IMMEDIATELY AFTER ROCK CHECK DAM REMOVAL.

ROCK DITCH CHECK
 NOT TO SCALE

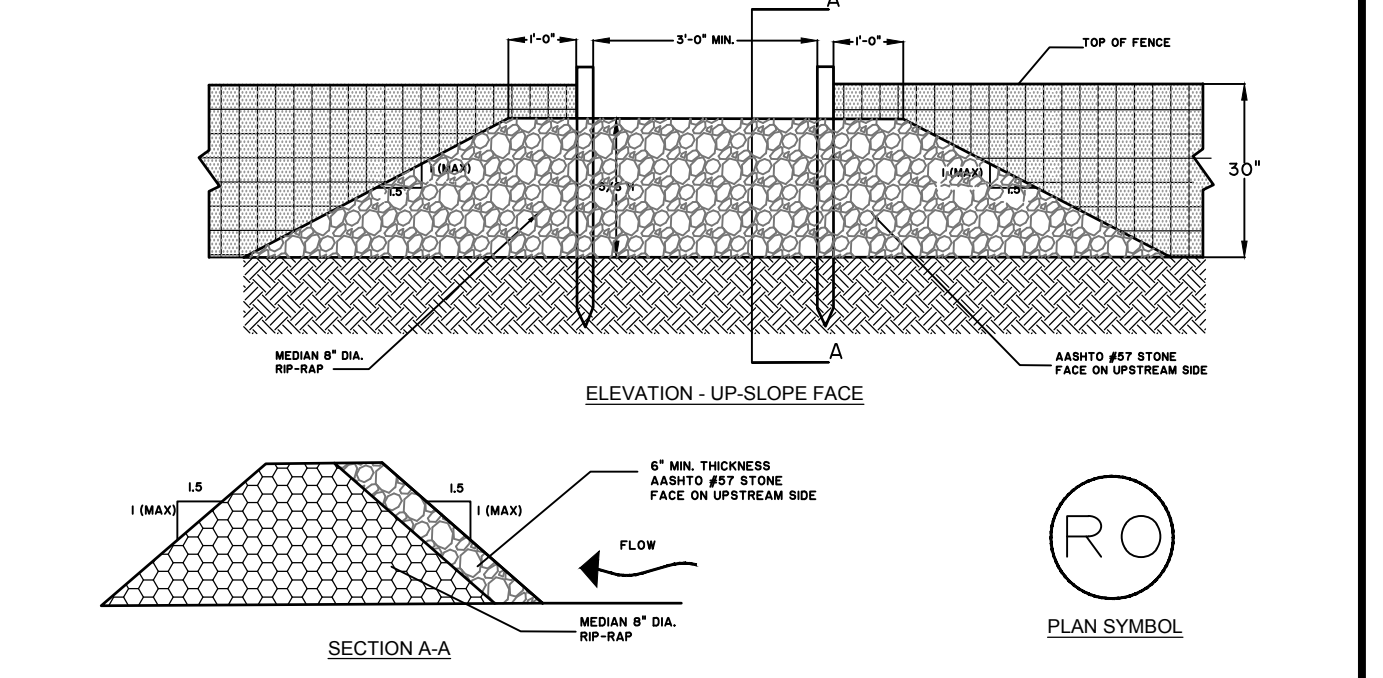


NOTES:

1. SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON NEAR A SLOPE, THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
2. IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
3. SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
4. THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control
TEMPORARY STOCKPILE
 SC-13 PAGE 1 OF 1
 NOT TO SCALE

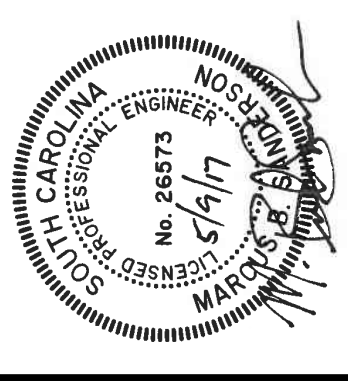
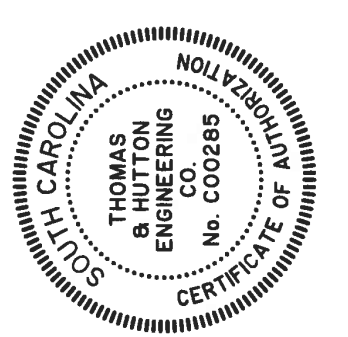
SILT FENCE ROCK OUTLET
 NOT TO SCALE



NOTES:

1. WASHED STONE (#57) TO BE REMOVED AND REPLACED ONCE IT BECOMES CLOGGED WITH SEDIMENT.
2. SEDIMENT TO BE REMOVED WHEN ACCUMULATIONS REACH 1/3 HEIGHT OF SILT FENCE.
3. THE KEY TO FUNCTIONAL ROCK OUTLETS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control
SILT FENCE ROCK OUTLET
 SC-14 PAGE 1 OF 1
 NOT TO SCALE



NO.	REVISED PER SED/EC COMMENTS	BY	DATE

THOMAS & HUTTON
 Engineering | Surveying | Planning | GIS | Consulting
 1501 Main Street • Suite 740
 Columbia, SC 29201 • 803.451.6789
 www.thomasandhutton.com

CALHOUN COUNTY
 CALHOUN COUNTY, SOUTH CAROLINA
 MASS GRADING (SOIL STOCKPILE RELOCATION)
 EROSION CONTROL DETAILS

JOB NO: J-26319.0000
 DATE: 03/10/2017
 DRAWN: MSK
 DESIGNED: MSK
 REVIEWED: MBS
 APPROVED: MBS
 SCALE: N/A

EC4.2