

EROSION CONTROL PLAN & PROFILE PHASE 1 MERRITT RESER ROLESVILLE RD WAKE COUNTY NC 27 JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/JE SHEET T**E**IROSION CONTROL

ENGINEERING ASSOCIATES SOUTHEAST

PRELIMINARY

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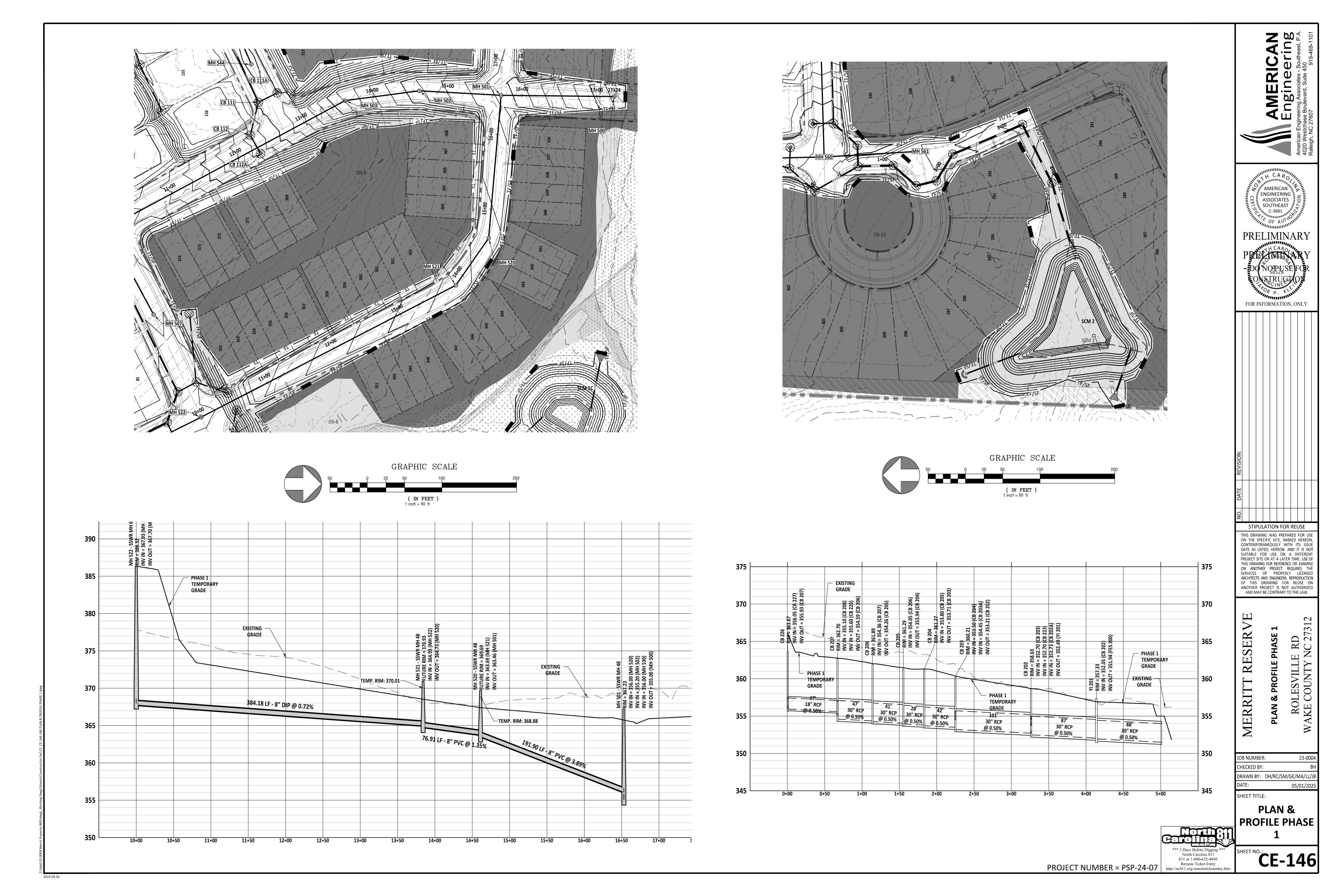
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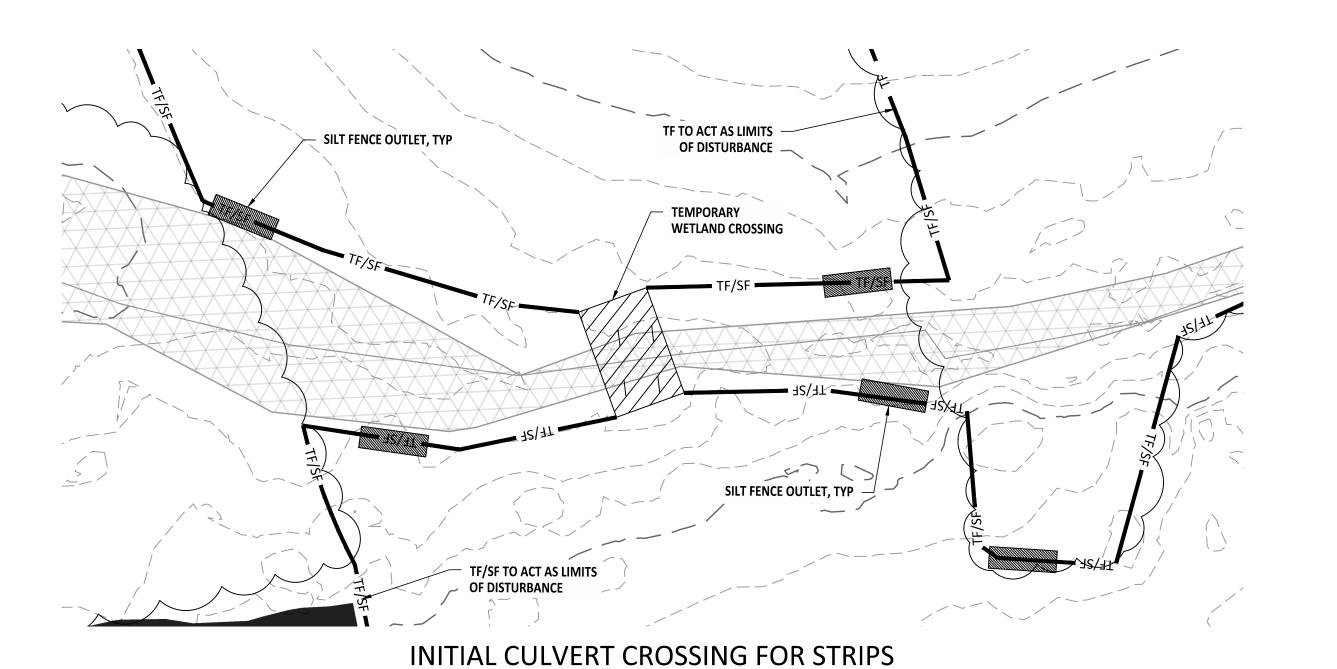
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PLAN &

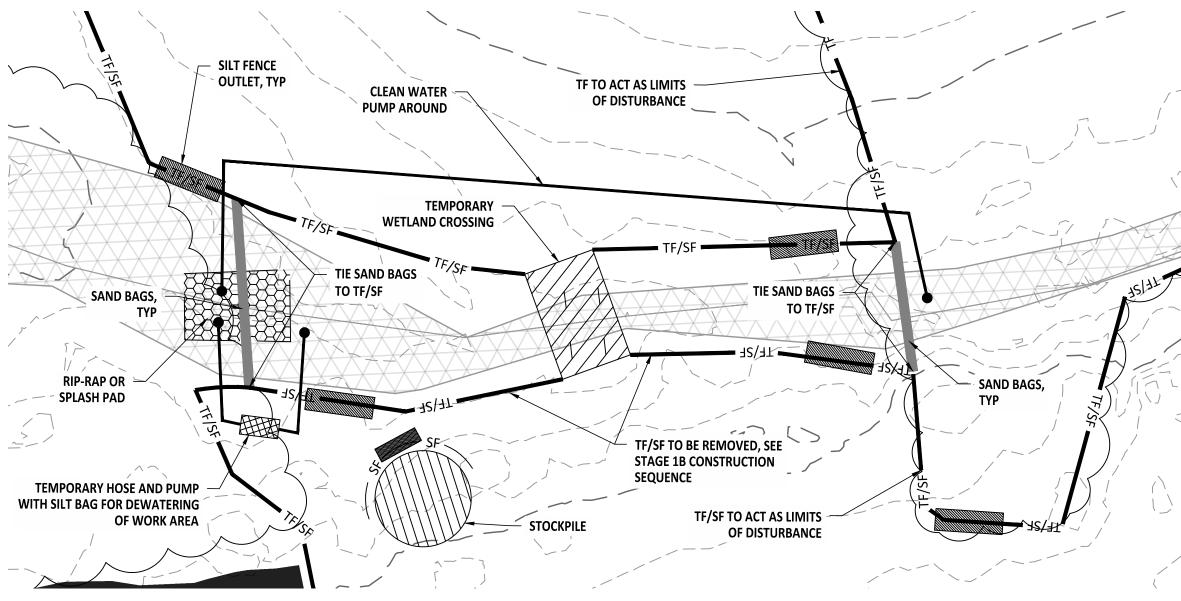
PROJECT NUMBER = PSP-24-07 Remote Ticket Entry http://nc811.org/remoteticketentry.htm

811 or 1-800-632-4949

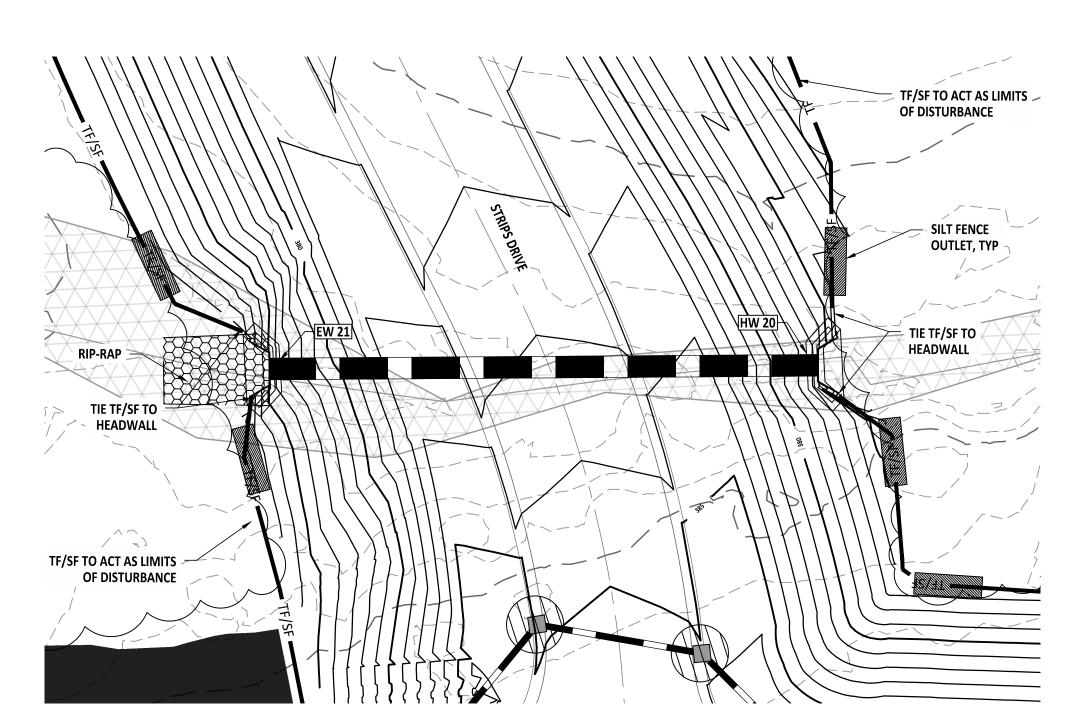




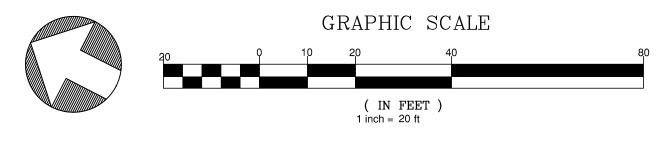
DRIVE



INTERMEDIATE CULVERT CROSSING FOR STRIPS DRIVE



FINAL CULVERT CROSSING FOR STRIPS DRIVE



SEQUENCE FOR CULVERT CROSSING (FOR CLEAN WATER PUMP AROUND)

STAGE 1A CREEK CROSSING INSTALLATION

(IN FEET) 1 inch = 20 ft

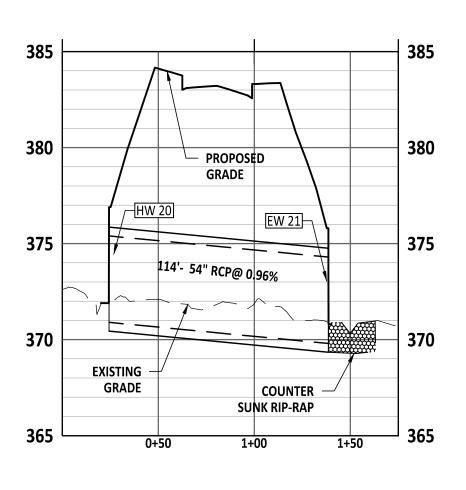
- 1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.
- 2. INSTALL THE BRIDGE MAT AND SILT FENCE AS SHOWN IN THE INITIAL STREAM CROSSING.
- 3. PLACE A TEMPORARY RIP-RAP PAD OR SPLASH PAD AT THE DOWNSTREAM END OF THE TEMPORARY HOSE TO PREVENT EROSION. CONTRACTOR IS RESPONSIBLE FOR SIZING TEMPORARY PAD.
- 4. DURING A PERIOD OF DRY WEATHER, ADD AN IMPERVIOUS DIKE TO THE UPSTREAM AND DOWNSTREAM ENDS THE CROSSING TO THE DOWNSTREAM SIDE OF THE CROSSING TO DIVERT FLOW AROUND THE WORK AREA.

STAGE 1B CREEK CROSSING INSTALLATION

- 1. OBTAIN PERMISSION FROM THE WAKE COUNTY INSPECTOR TO PROCEED WITH THIS STEP.
- 2. INSTALL TEMPORARY HOSE AND PUMP AND A SILT BAG TO ALLOW FOR PUMP DOWN OF THE WORK AREA. PUMPS TO BE USED AS NEEDED.
- 3. ONCE THE STREAM HAS BEEN PUMPED DOWN AND THE SILT FENCE HAS BEEN TIED TO THE SANDBAGS, REMOVE THE SILT FENCE AS SHOWN IN THE INTERMEDIATE STAGE
- 4. EXCAVATE AREA AND INSTALL PIPE WITH HEADWALLS AND DOWNSTREAM RIP-RAP AS SHOWN.
- 5. OBTAIN WAKE COUNTY APPROVAL OF THE PIPE INSTALLATION.

STAGE 1C CREEK CROSSING INSTALLATION

- 2. REMOVE TEMPORARY SANDBAGS ON UPSTREAM END.
- 4. COMPLETE FILL AROUND THE PIPE TO A LEVEL AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE TO ALLOW CONSTRUCTION EQUIPMENT TO PASS OVER IT.
- 5. COMPLETE FILL BRINGING THE AREA TO FINISHED GRADE.
- 6. INSTALL PAVEMENT AND FOLLOW THE SEEDING SCHEDULE FOR ALL BARE AREAS.
- 7. REFER TO MAIN CONSTRUCTION SEQUENCE FOR OTHER DETAILS.



Horizontal Scale 1 inch = 50 ft. Vertical Scale 1 inch = 5 ft.

- 1. UPON COMPLETION OF PIPE INSTALLATION, REMOVE TEMPORARY SANDBAGS ON DOWNSTREAM END.
- 3. INSTALL SILT FENCE AT THE TOE OF SLOPES AND TIE TO ENDWALLS AS SHOWN ON THIS PLAN.

SER MERRITT JOB NUMBER:

23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/J

ENGINEERING ASSOCIATES SOUTHEAST

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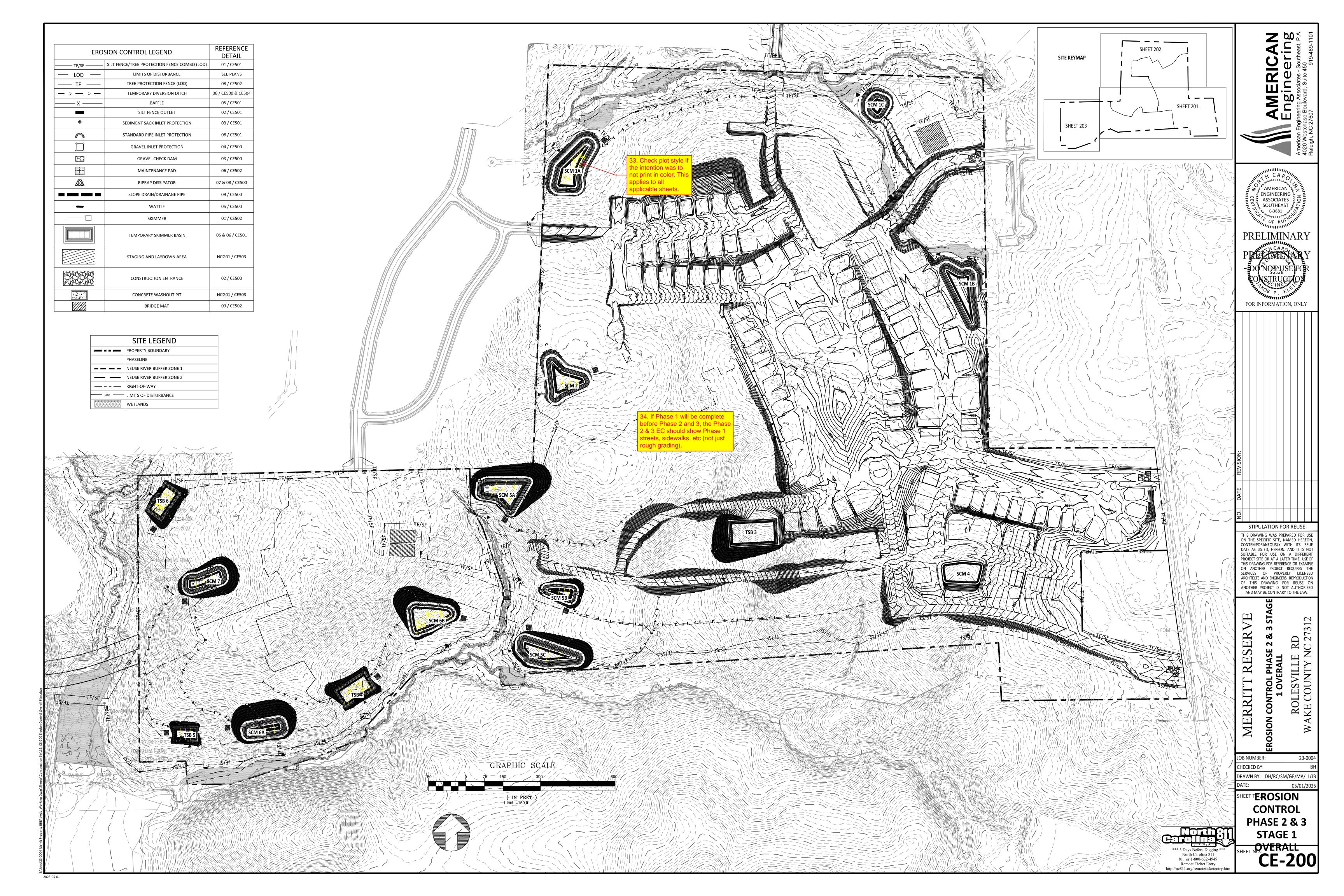
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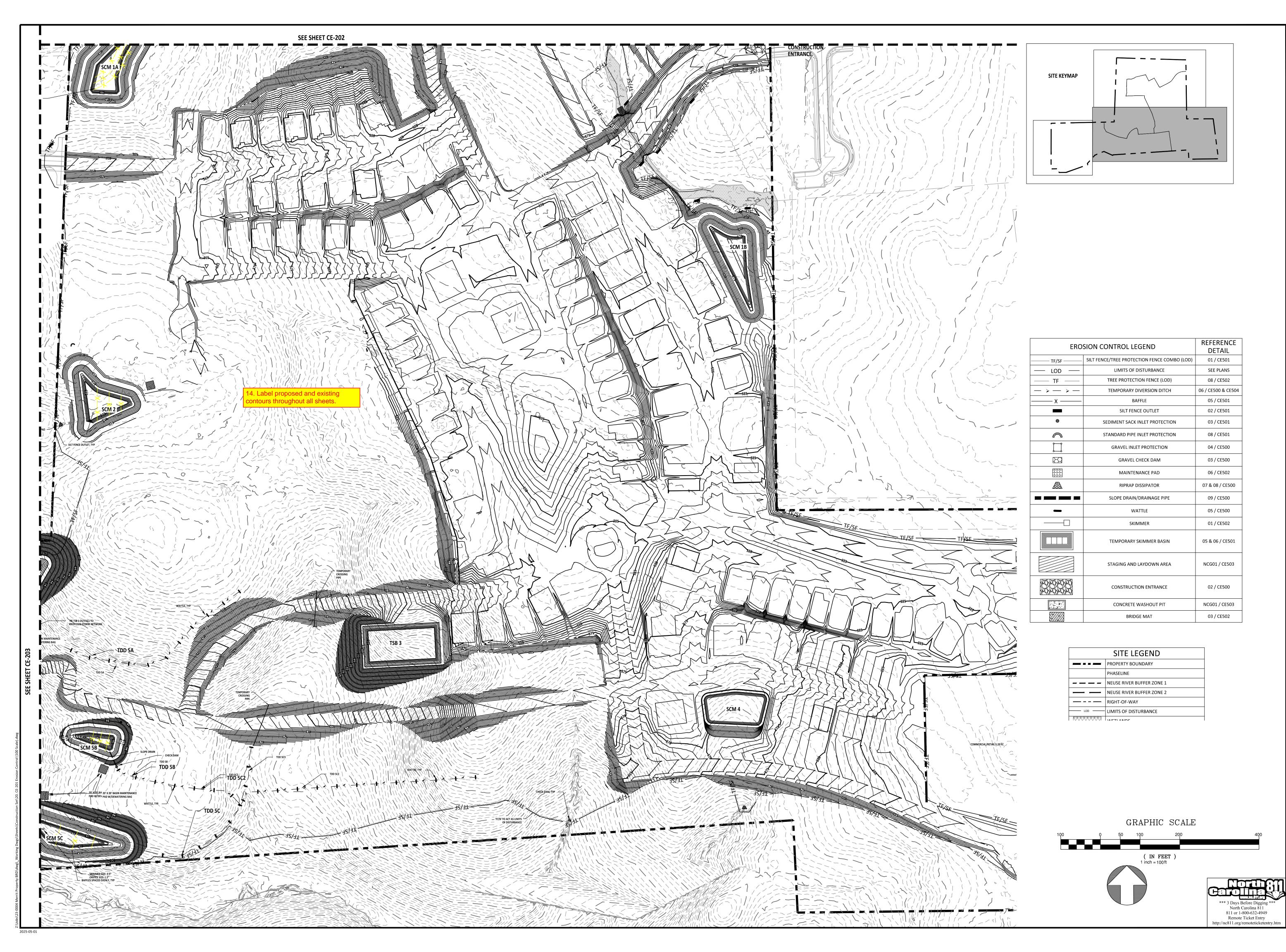
RD C 2'

SHEET T**EROSION CONTROL CULVERT** CROSSING

PHASE 1

*** 3 Days Before Digging * North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry PROJECT NUMBER = PSP-24-07 http://nc811.org/remoteticketentry.h





AMERICAN
Engineering Associates - Southeast, P.A.
20 Westchase Boulevard, Suite 450

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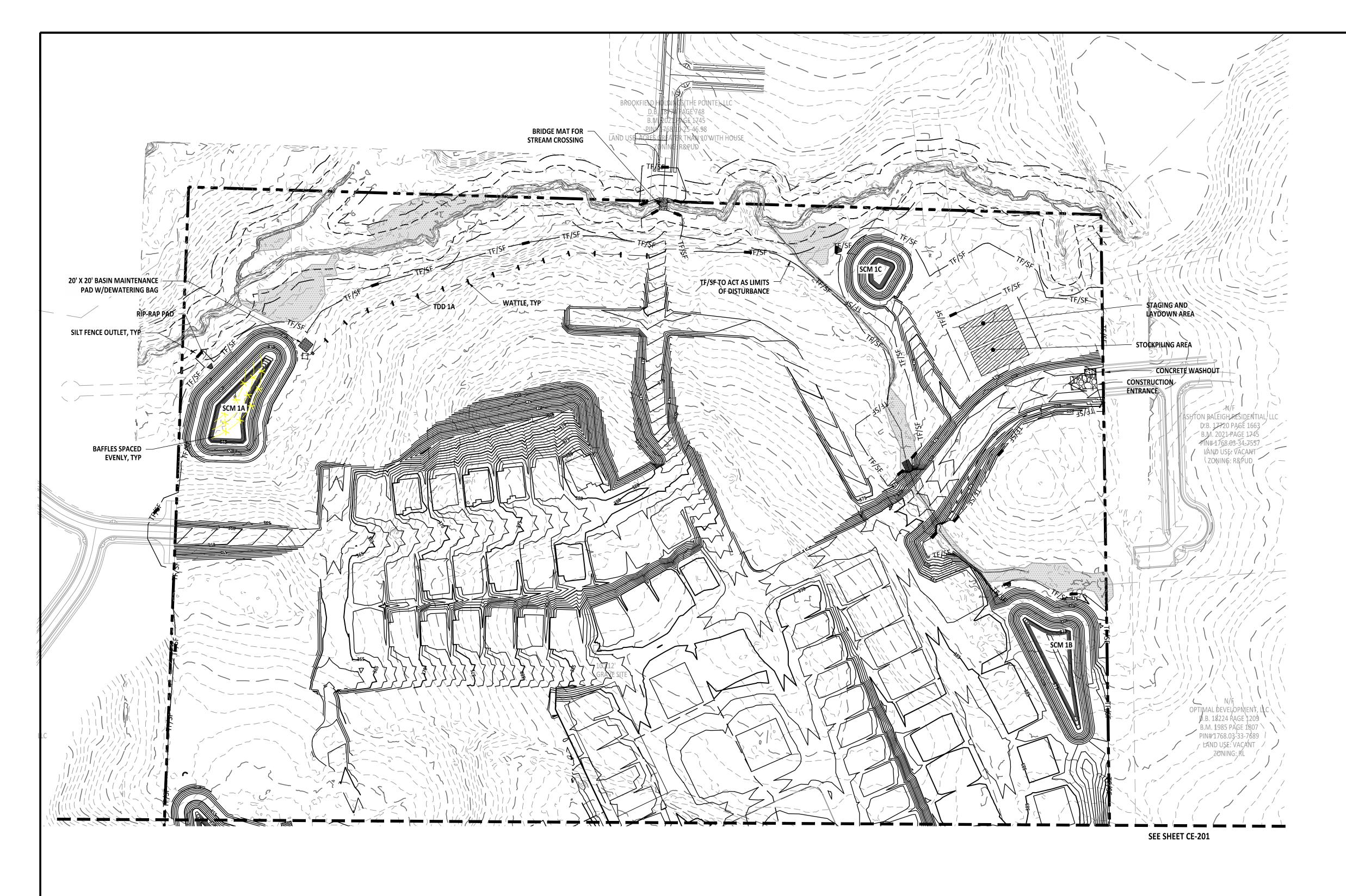
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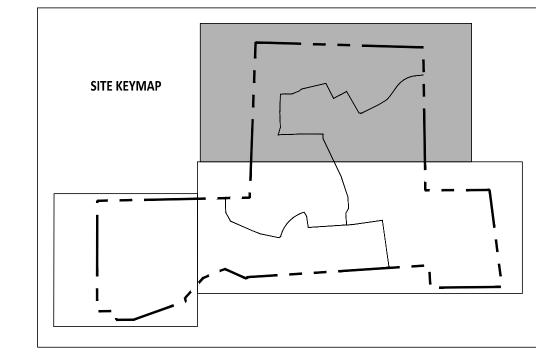
EKKEROSKOR VE CONTROL PHASE 2 & 3 ROLESMEEE RD

JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025

EROSION
CONTROL
PHASE 2 & 3
STAGE 1

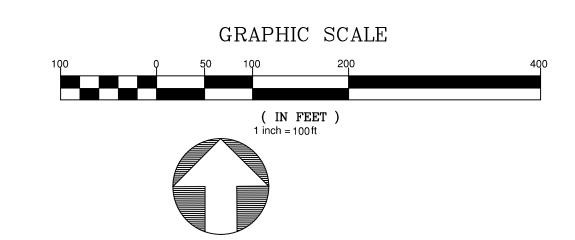
CE-201



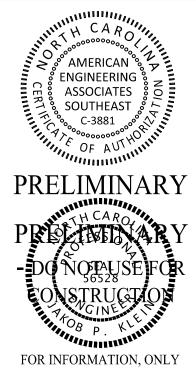


ERO:	REFERENCE DETAIL	
——— TF/SF ———	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
— LOD —	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
- > - > -	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
②	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
A	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
7.5 (\$1) 2.5 (\$1)	CONCRETE WASHOUT PIT	NCG01 / CE503
VHIH2	BRIDGE MAT	03 / CE502

SITE LEGEND				
	PROPERTY BOUNDARY			
	PHASELINE			
	NEUSE RIVER BUFFER ZONE 1			
	NEUSE RIVER BUFFER ZONE 2			
	RIGHT-OF-WAY			
LOD	LIMITS OF DISTURBANCE			
	WETLANDS			







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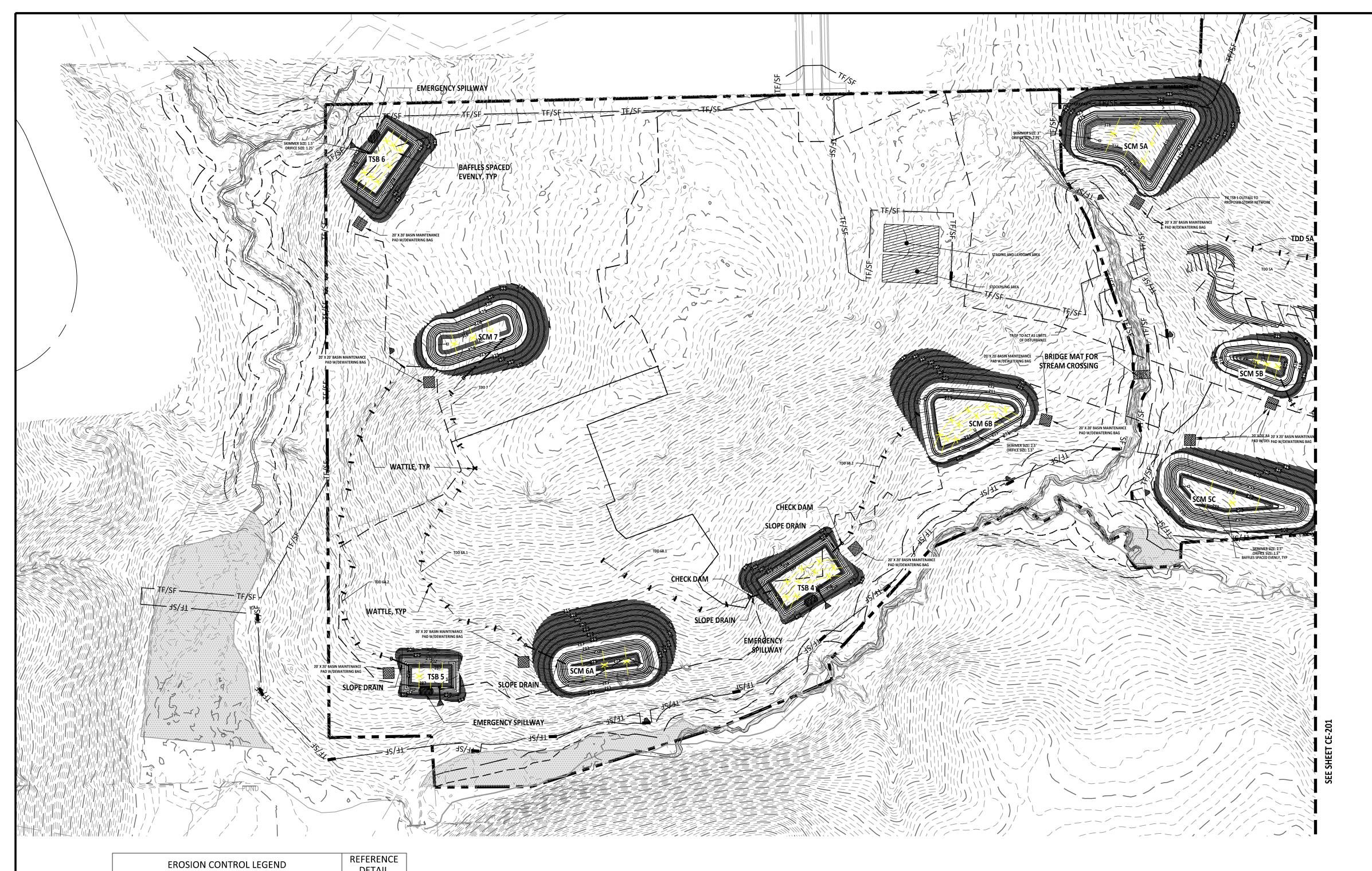
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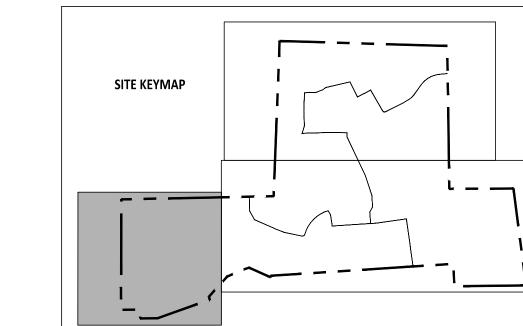
SHEET TITLE:

EROSION CONTROL **PHASE 2 & 3 STAGE 1**

*** 3 Days Before Digging ***
North Carolina 811
811 cm 1 800 633 4040

811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.htm





LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
— » — » —	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
Ø	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
A	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
_	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503

CONSTRUCTION ENTRANCE

CONCRETE WASHOUT PIT

BRIDGE MAT

SILT FENCE/TREE PROTECTION FENCE COMBO (LOD) 01 / CE501

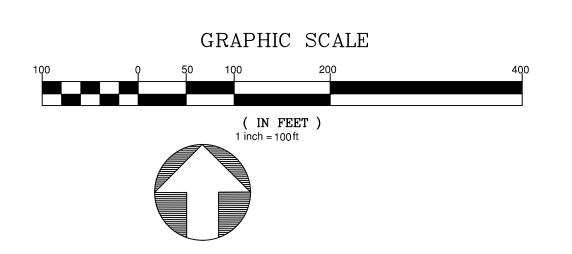
DETAIL

02 / CE500

NCG01 / CE503

03 / CE502

	SITE LEGEND				
	PROPERTY BOUNDARY				
	PHASELINE				
	NEUSE RIVER BUFFER ZONE 1				
— —	NEUSE RIVER BUFFER ZONE 2				
	RIGHT-OF-WAY				
LOD —	LIMITS OF DISTURBANCE				
	WETLANDS				



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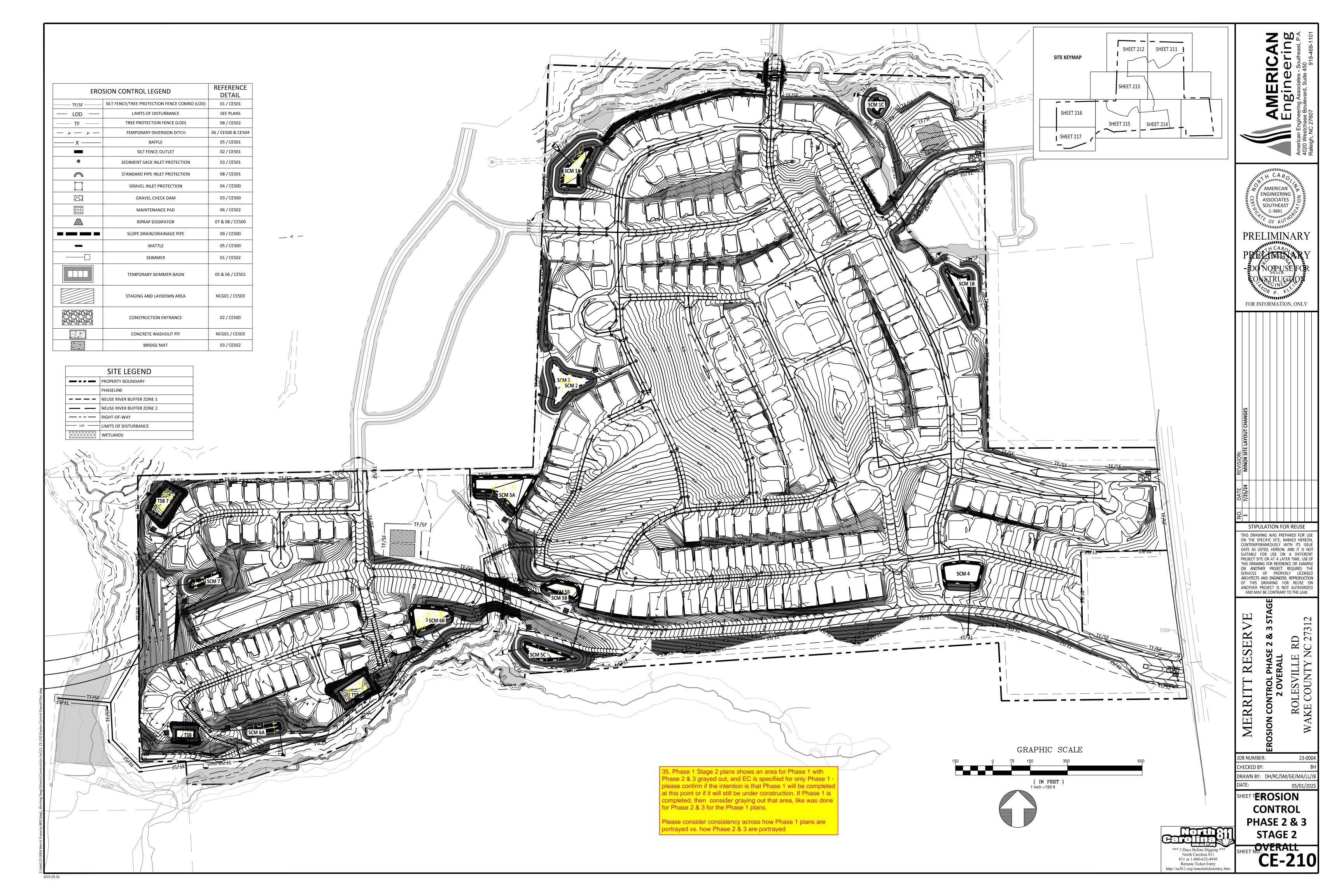
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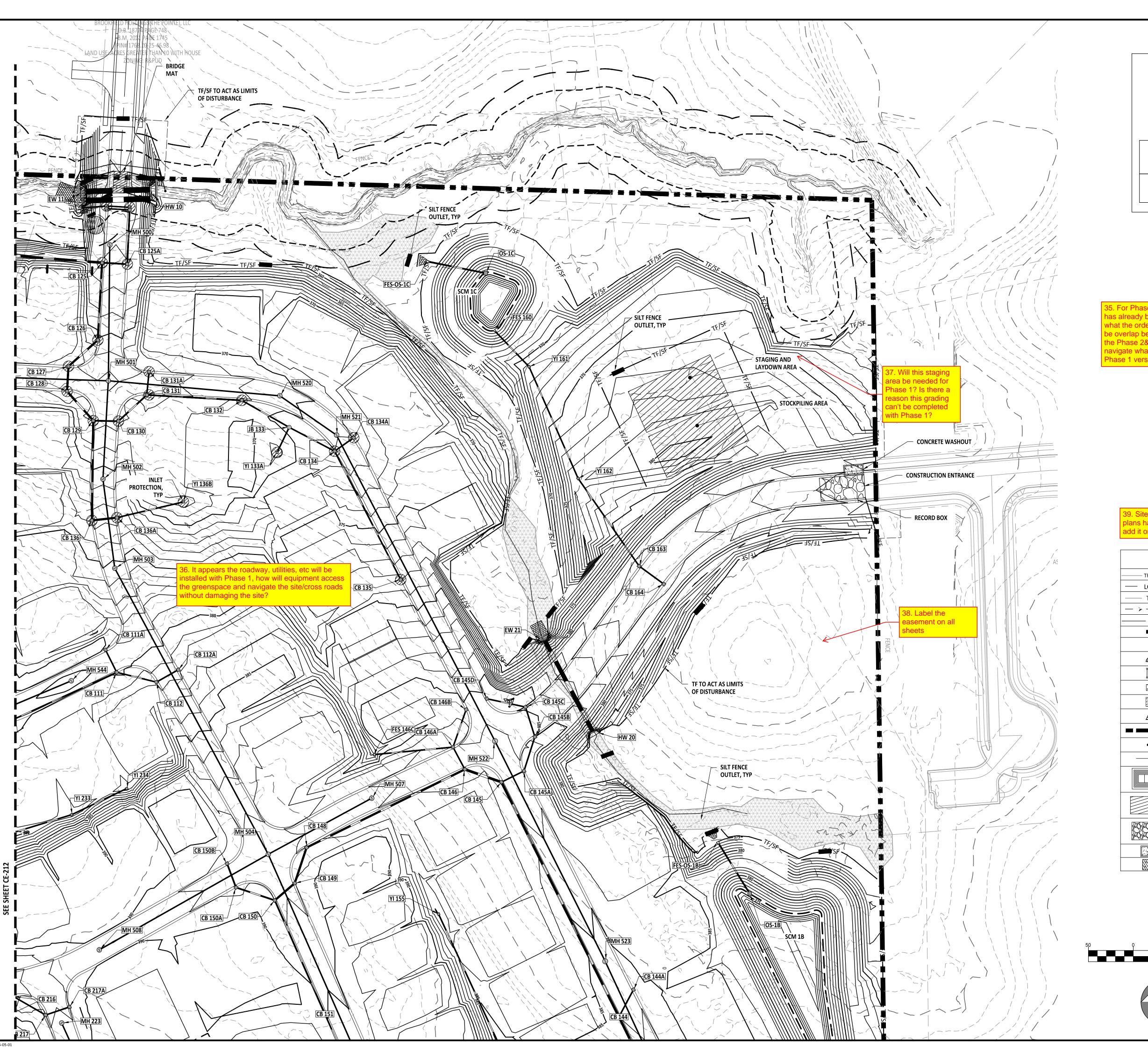
EROSION CONTROL **PHASE 2 & 3 STAGE 1**

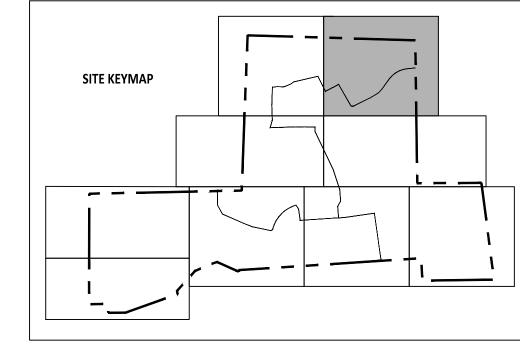
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North Carolina 811



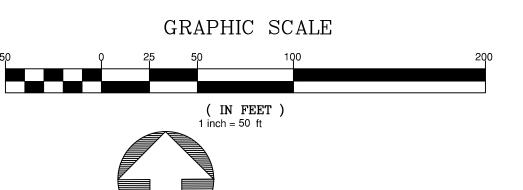




35. For Phase 2 & 3, please help clarify what has already been completed for Phase 1 and what the order of operation is. There appears to be overlap between the Phase 1 sheets and the Phase 2&3 sheets making it difficult to navigate what is to be constructed/completed in Phase 1 versus Phase 2&3.

39. Site legend missing; Phase 1 plans had it on every sheet. Please add it onto every sheet for EC.

TE/SF SILT FENCE/TREE PROTECTION FENCE COMBO (LOD) 01 / CE501 LOD LIMITS OF DISTURBANCE SEE PLANS TREE PROTECTION FENCE (LOD) 08 / CE502 TEMPORARY DIVERSION DITCH 06 / CE500 & CE504 X BAFFLE 05 / CE501 SILT FENCE OUTLET 02 / CE501 SEDIMENT SACK INLET PROTECTION 03 / CE501 GRAVEL INLET PROTECTION 04 / CE500 GRAVEL CHECK DAM 03 / CE500 GRAVEL CHECK DAM 03 / CE500 MAINTENANCE PAD 06 / CE502 RIPRAP DISSIPATOR 07 & 08 / CE500 WATTLE 05 / CE500 SKIMMER 01 / CE502 TEMPORARY SKIMMER BASIN 05 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE 02 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503 BRIDGE MAT 03 / CE502	ERO	SION CONTROL LEGEND	REFERENCE DETAIL
TF	——— TF/SF ———	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
TEMPORARY DIVERSION DITCH X BAFFLE 05 / CE501 X SILT FENCE OUTLET 02 / CE501 SEDIMENT SACK INLET PROTECTION 03 / CE501 STANDARD PIPE INLET PROTECTION 08 / CE500 GRAVEL INLET PROTECTION 04 / CE500 GRAVEL CHECK DAM 03 / CE500 MAINTENANCE PAD 06 / CE502 RIPRAP DISSIPATOR 07 & 08 / CE500 WATTLE 05 / CE500 SKIMMER 01 / CE502 TEMPORARY SKIMMER BASIN 05 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE 02 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503	<u> — LOD —</u>	LIMITS OF DISTURBANCE	SEE PLANS
SILT FENCE OUTLET SILT FENCE OUTLET O2 / CE501 SEDIMENT SACK INLET PROTECTION O3 / CE501 STANDARD PIPE INLET PROTECTION O4 / CE500 GRAVEL INLET PROTECTION O4 / CE500 MAINTENANCE PAD O6 / CE502 RIPRAP DISSIPATOR O7 & 08 / CE500 WATTLE O5 / CE500 SKIMMER O1 / CE502 TEMPORARY SKIMMER BASIN O5 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE O2 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503	—— TF ——	TREE PROTECTION FENCE (LOD)	08 / CE502
SILT FENCE OUTLET SEDIMENT SACK INLET PROTECTION O3 / CE501 STANDARD PIPE INLET PROTECTION O4 / CE500 GRAVEL INLET PROTECTION O4 / CE500 GRAVEL CHECK DAM O3 / CE500 MAINTENANCE PAD O6 / CE502 RIPRAP DISSIPATOR O7 & 08 / CE500 SLOPE DRAIN/DRAINAGE PIPE O9 / CE500 WATTLE O5 / CE500 SKIMMER O1 / CE502 TEMPORARY SKIMMER BASIN O5 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE O2 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503	<u> </u>	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
SEDIMENT SACK INLET PROTECTION STANDARD PIPE INLET PROTECTION O8 / CE501 GRAVEL INLET PROTECTION O4 / CE500 GRAVEL CHECK DAM O3 / CE500 MAINTENANCE PAD O6 / CE502 RIPRAP DISSIPATOR O7 & 08 / CE500 SLOPE DRAIN/DRAINAGE PIPE O9 / CE500 WATTLE O5 / CE500 TEMPORARY SKIMMER BASIN O5 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE O2 / CE500	x	BAFFLE	05 / CE501
STANDARD PIPE INLET PROTECTION O8 / CE501 GRAVEL INLET PROTECTION O4 / CE500 GRAVEL CHECK DAM O3 / CE500 MAINTENANCE PAD O6 / CE502 RIPRAP DISSIPATOR O7 & 08 / CE500 SLOPE DRAIN/DRAINAGE PIPE O9 / CE500 WATTLE O5 / CE500 TEMPORARY SKIMMER BASIN O5 & 06 / CE501 STAGING AND LAYDOWN AREA CONSTRUCTION ENTRANCE O2 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503		SILT FENCE OUTLET	02 / CE501
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MAINTENANCE PAD O6 / CE502 RIPRAP DISSIPATOR O7 & 08 / CE500 SLOPE DRAIN/DRAINAGE PIPE O9 / CE500 WATTLE O5 / CE500 SKIMMER O1 / CE502 TEMPORARY SKIMMER BASIN O5 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE O2 / CE500		GRAVEL INLET PROTECTION	04 / CE500
RIPRAP DISSIPATOR SLOPE DRAIN/DRAINAGE PIPE O9 / CE500 WATTLE O5 / CE500 SKIMMER O1 / CE502 TEMPORARY SKIMMER BASIN O5 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE O2 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503		GRAVEL CHECK DAM	03 / CE500
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TEMPORARY SKIMMER BASIN 05 & 06 / CE501 STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE 02 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503	_	WATTLE	05 / CE500
STAGING AND LAYDOWN AREA NCG01 / CE503 CONSTRUCTION ENTRANCE 02 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503		SKIMMER	01 / CE502
CONSTRUCTION ENTRANCE 02 / CE500 CONCRETE WASHOUT PIT NCG01 / CE503		TEMPORARY SKIMMER BASIN	05 & 06 / CE501
CONCRETE WASHOUT PIT NCG01 / CE503		STAGING AND LAYDOWN AREA	NCG01 / CE503
(TIMITY		CONSTRUCTION ENTRANCE	02 / CE500
BRIDGE MAT 03 / CE502		CONCRETE WASHOUT PIT	NCG01 / CE503
	AHIHI	BRIDGE MAT	03 / CE502



North 8 *** 3 Days Before Digging ** North Carolina 811

STAGE 2 811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.ht

° AMERICAN ° ENGINEERING § G & ASSOCIATES J & SOUTHEAST & ് C-3881 **PRELIMINARY**

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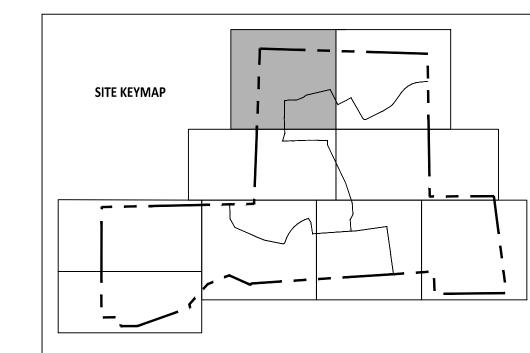
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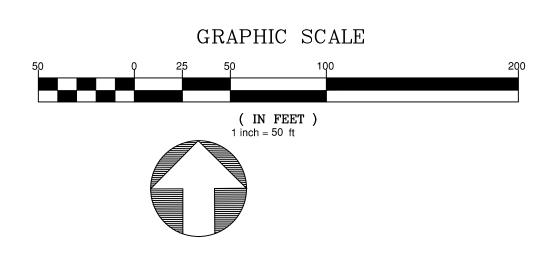
SHEET TITLE:

EROSION CONTROL **PHASE 2 & 3**

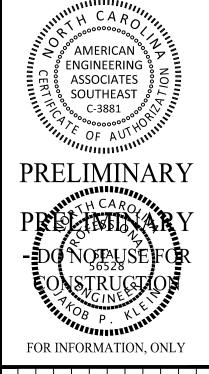




EROS	EROSION CONTROL LEGEND					
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	DETAIL 01 / CE501				
— LOD —	LIMITS OF DISTURBANCE	SEE PLANS				
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10 10 10 10 10 10 10 10 10 10 10 10 10 1	CONCRETE WASHOUT PIT	NCG01 / CE503				
	BRIDGE MAT	03 / CE502				







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CONTROL
PHASE 2 & 3
ROLESMEE 2 RD

CO PHA

ROLEI

WAKE CO

JOB NUMBER: 23-0004

CHECKED BY: BH

DRAWN BY: DH/RC/SM/GE/MA/LL/JB

DATE: 05/01/2025

SHEET TITLE:

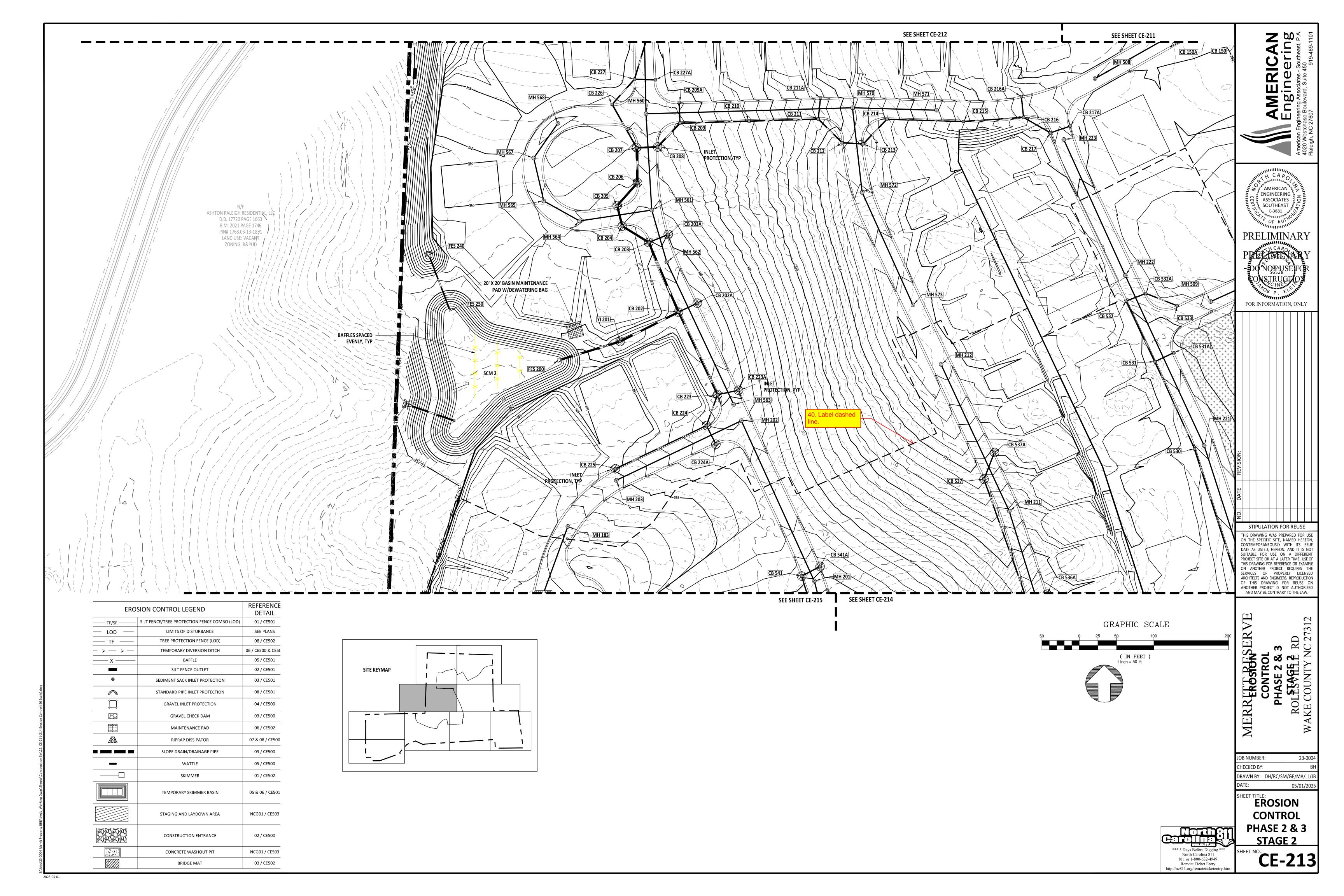
EROSION
CONTROL
PHASE 2 & 3
STAGE 2

*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

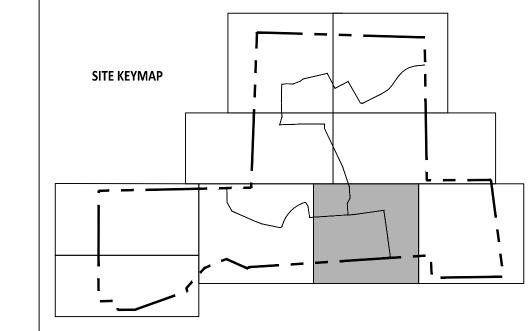
STAGE 2

sefore Digging ***
arolina 811
00-632-4949
Ficket Entry

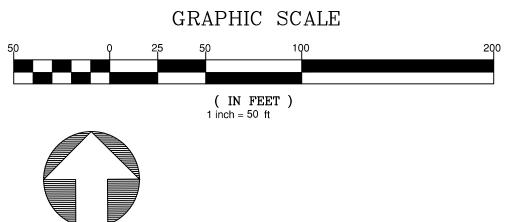
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ERO	SION CONTROL LEGEND	REFERENCE DETAIL
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
— LOD —	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
- > - > -	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
Ø	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
A	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
_	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
	CONCRETE WASHOUT PIT	NCG01 / CE503
VHIHD.	BRIDGE MAT	03 / CE502



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PRELIMINARY

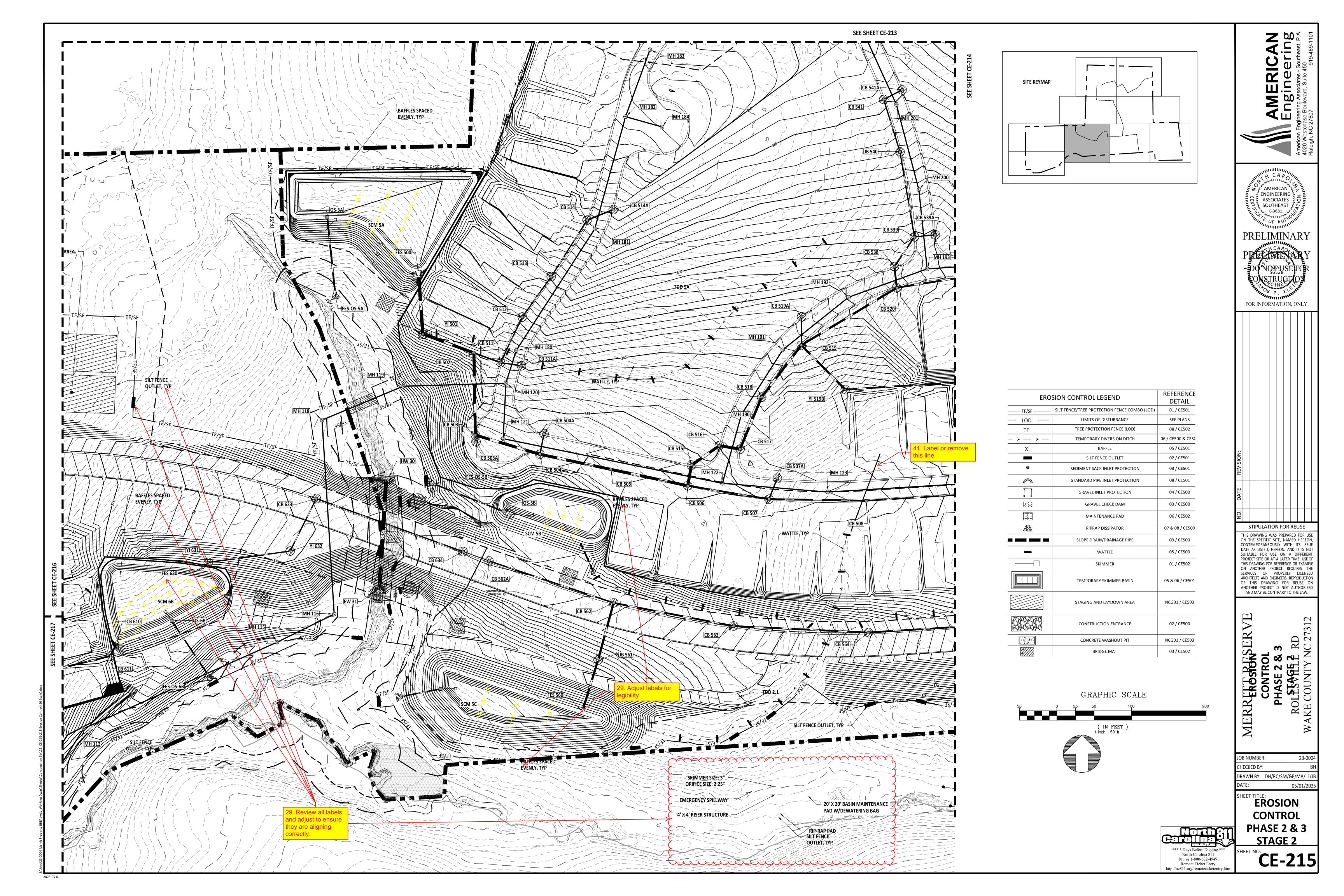
FOR INFORMATION, ONLY

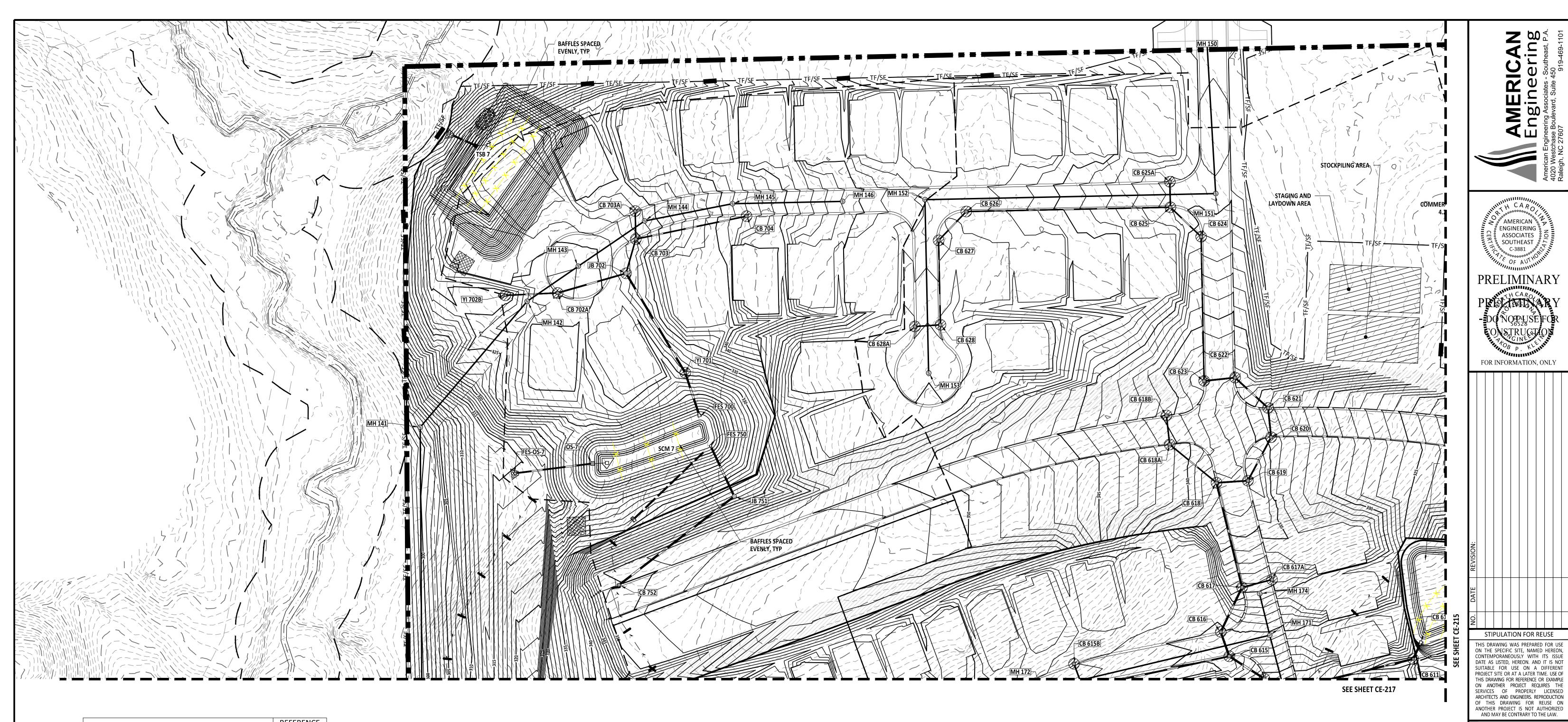
JOB NUMBER	₹:	23-0004
CHECKED BY:		ВН
DRAWN BY:	DH/RC/SM/G	SE/MA/LL/JB
DATE:		05/01/2025

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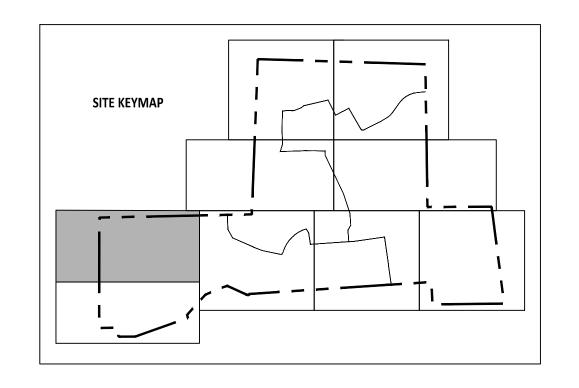
EROSION CONTROL **PHASE 2 & 3** STAGE 2

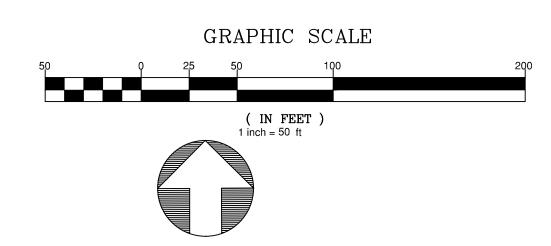
*** 3 Days Before Digging **
North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.hr

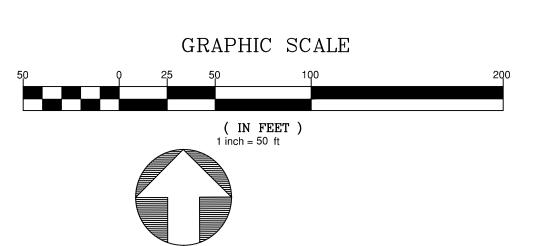




ERO	REFERENCE DETAIL	
——— TF/SF ———	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
— LOD —	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
->->-	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
©	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
#	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
_	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
	CONCRETE WASHOUT PIT	NCG01 / CE503
AHIHV	BRIDGE MAT	03 / CE502







MERREFSRERV CONTROL PHASE 2 & 3 ROLESWELE RD WAKE COUNTY NC 2731

JOB NUMBER	R: 23-0004
CHECKED BY:	: ВН
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

ENGINEERING §

SHEET TITLE:

EROSION CONTROL **PHASE 2 & 3** STAGE 2

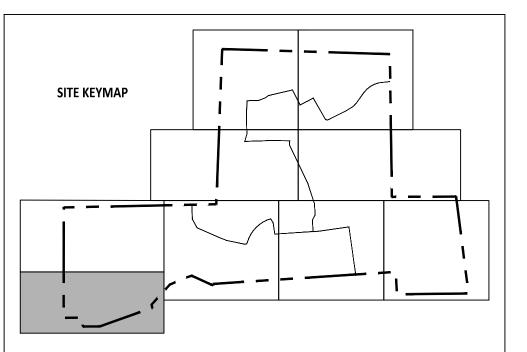
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North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

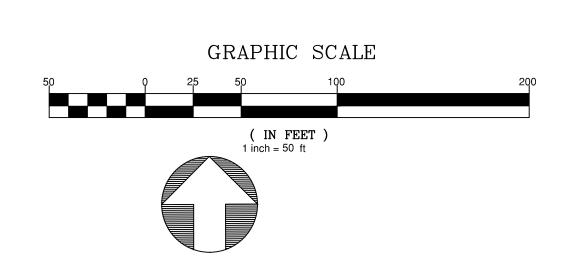


ERO	REFERENCE DETAIL	
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE50
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
Ø	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
-	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
	CONCRETE WASHOUT PIT	NCG01 / CE503

BRIDGE MAT

03 / CE502



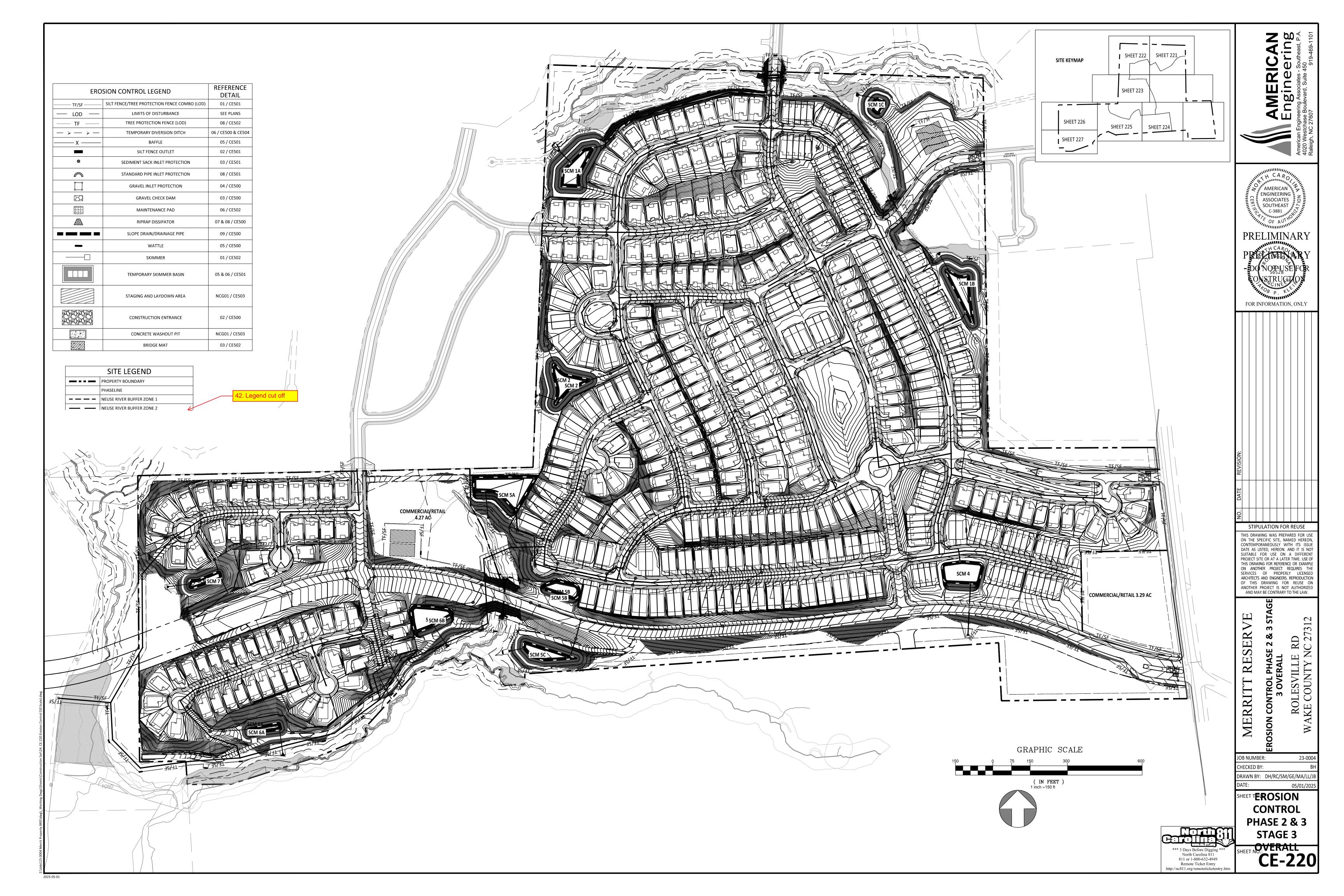


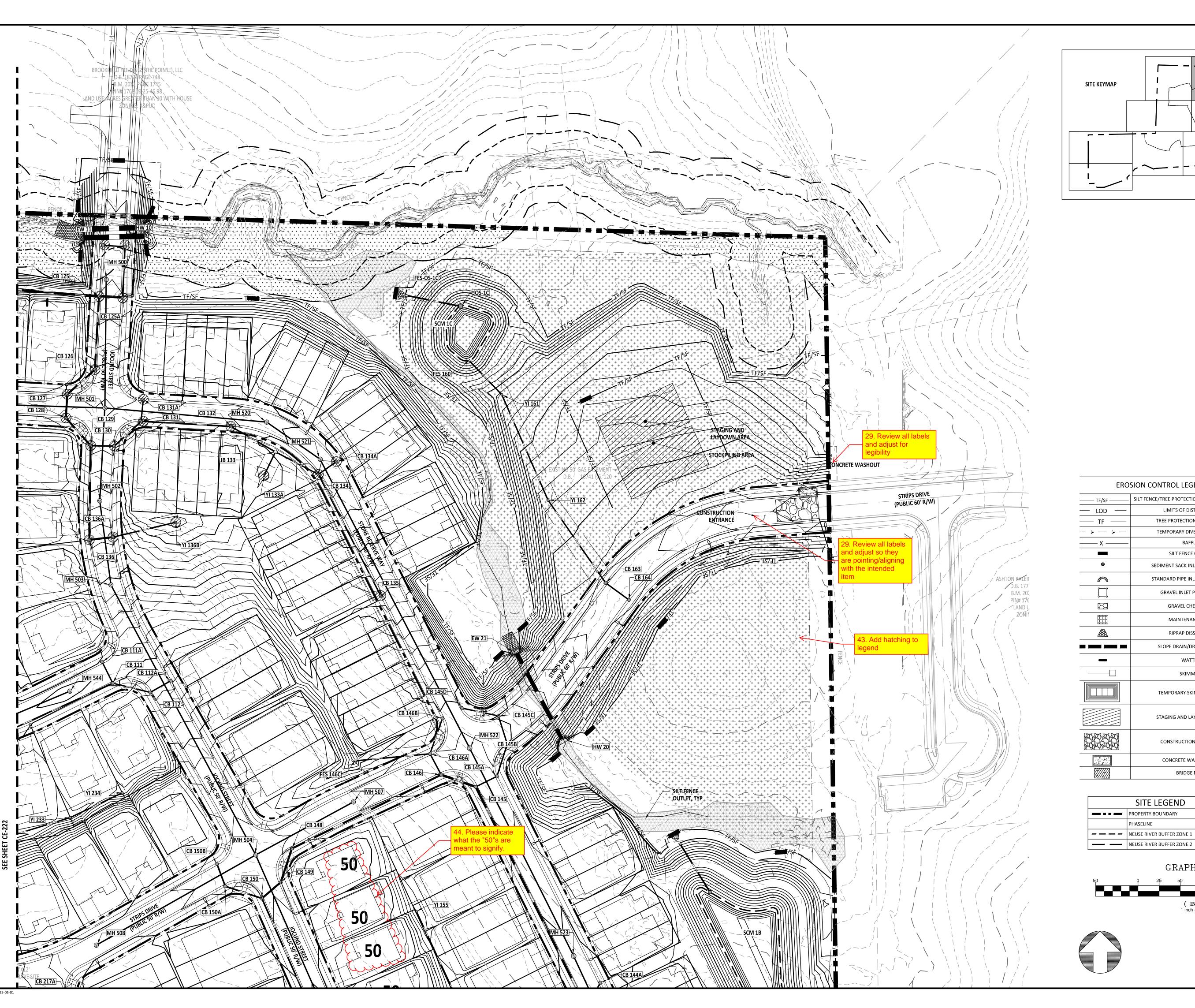
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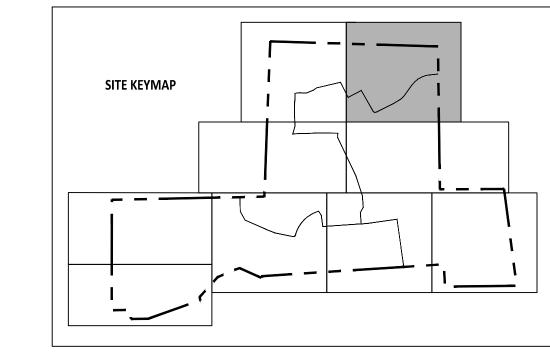
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CHECKED BY:	: BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

SHEET TITLE:
EROSION **CONTROL PHASE 2 & 3** STAGE 2

*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm







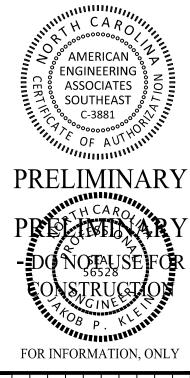
EROS	EROSION CONTROL LEGEND					
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501				
LOD	LIMITS OF DISTURBANCE	SEE PLANS				
TF	TREE PROTECTION FENCE (LOD)	08 / CE502				
<u>- > - > - </u>	TEMPORARY DIVERSION DITCH	06 / CE500 & CE50				
x	BAFFLE	05 / CE501				
	SILT FENCE OUTLET	02 / CE501				
∅	SEDIMENT SACK INLET PROTECTION	03 / CE501				
	STANDARD PIPE INLET PROTECTION	08 / CE501				
	GRAVEL INLET PROTECTION	04 / CE500				
	GRAVEL CHECK DAM	03 / CE500				
	MAINTENANCE PAD	06 / CE502				
<u> </u>	RIPRAP DISSIPATOR	07 & 08 / CE500				
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500				
-	WATTLE	05 / CE500				
	SKIMMER	01 / CE502				
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501				
	STAGING AND LAYDOWN AREA	NCG01 / CE503				
	CONSTRUCTION ENTRANCE	02 / CE500				
7. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONCRETE WASHOUT PIT	NCG01 / CE503				
AHH	BRIDGE MAT	03 / CE502				

SITE LEGEND
PROPERTY BOUNDARY
PHASELINE
 NEUSE RIVER BUFFER ZONE 1
 NELICE DIVED DUELED ZONE 2

GRAPHIC SCALE (IN FEET)
1 inch = 50 ft

> *** 3 Days Before Digging **
> North Carolina 811 811 or 1-800-632-4949

Remote Ticket Entry
http://nc811.org/remoteticketentry.htm



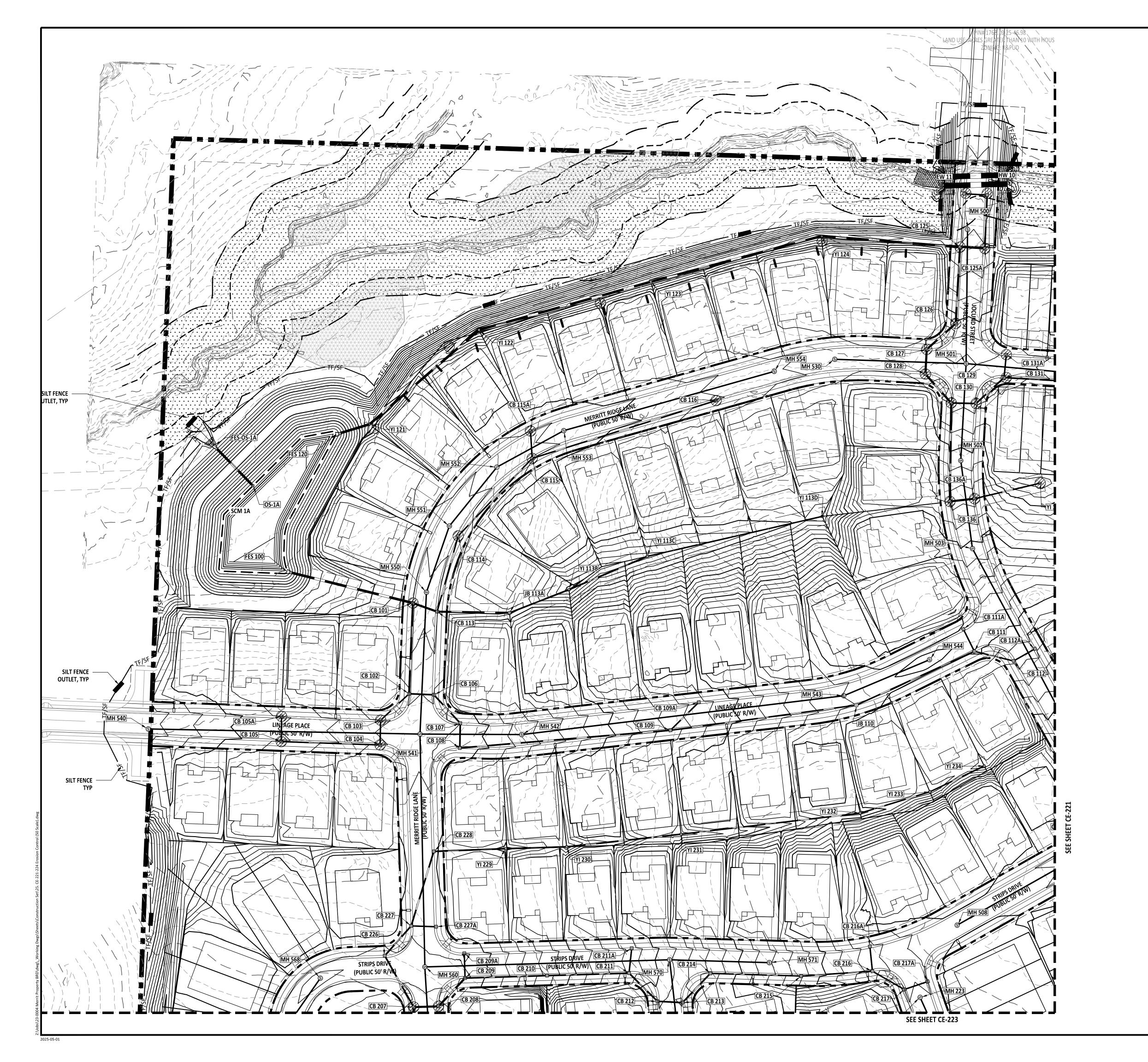
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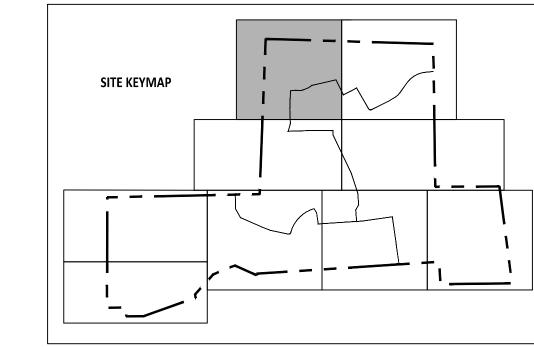
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JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/JE 05/01/202 SHEET TITLE:

EROSION

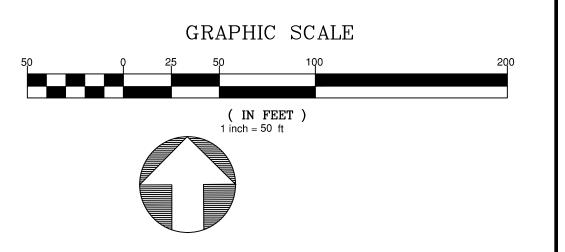
CONTROL **PHASE 2 & 3** STAGE 3





ERO	REFERENCE DETAIL	
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
- > >	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
⊘	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
_	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
	CONCRETE WASHOUT PIT	NCG01 / CE503
	BRIDGE MAT	03 / CE502

SITE LEGEND		
	PROPERTY BOUNDARY	
	PHASELINE	
	NEUSE RIVER BUFFER ZONE 1	
	NEUSE RIVER BUFFER ZONE 2	





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REVISION:											
DATE											
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		STI	PUI	ΑT	101	V F	OR	RE	JSE		
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MERREFESIGNE CONTROL PHASE2 & 3 ROLESWELE RD WAKE COUNTY NC 273

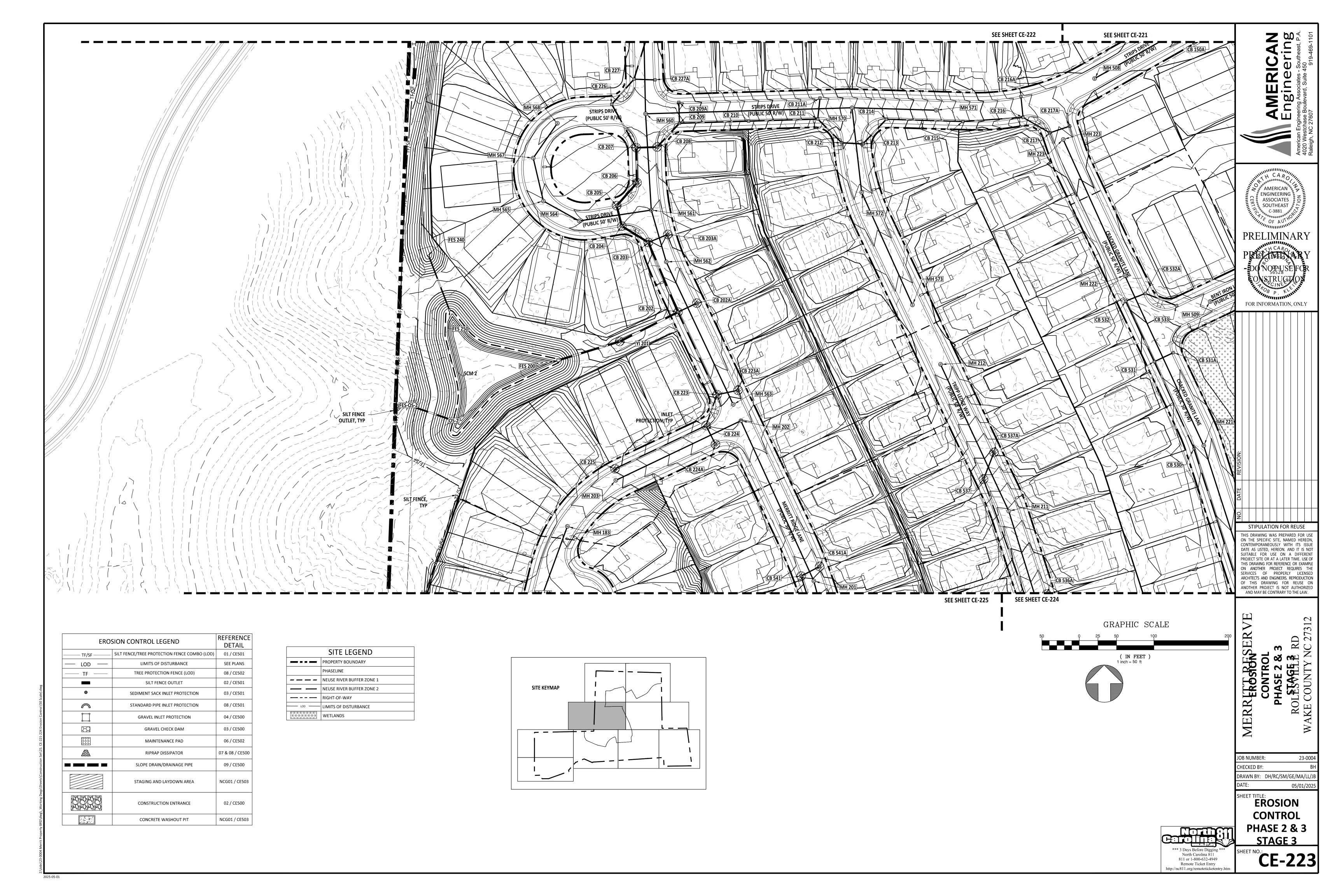
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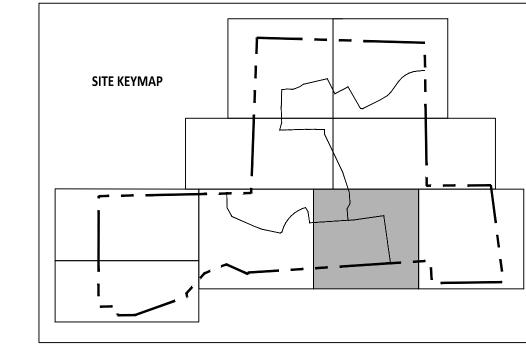
EROSION CONTROL PHASE2 & 3

STAGE 3

*** 3 Days Before Digging ***
North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.ht

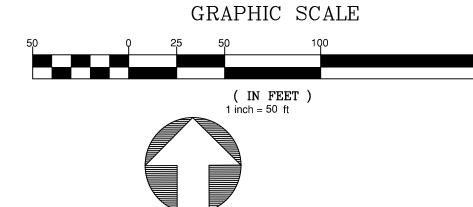






ERO	REFERENCE DETAIL	
TF/SF —	TF/SF SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	
<u> — LOD — </u>	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
x	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
Ø	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CE502
	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
_	WATTLE	05 / CE500
	SKIMMER	01 / CE502
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	CONCRETE WASHOUT PIT	NCG01 / CE503
AHIHV	BRIDGE MAT	03 / CE502

SITE LEGEND				
	PROPERTY BOUNDARY			
	PHASELINE			
	NEUSE RIVER BUFFER ZONE 1			
— —	NEUSE RIVER BUFFER ZONE 2			
	RIGHT-OF-WAY			
LOD —	LIMITS OF DISTURBANCE			
	WETLANDS			



*** 3 Days Before Digging **
North Carolina 811

811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.ht

SHEET TITLE:
EROSION CONTROL **PHASE 2 & 3**

STAGE 3

JOB NUMBER:

CHECKED BY:

DRAWN BY: DH/RC/SM/GE/MA/LL/J

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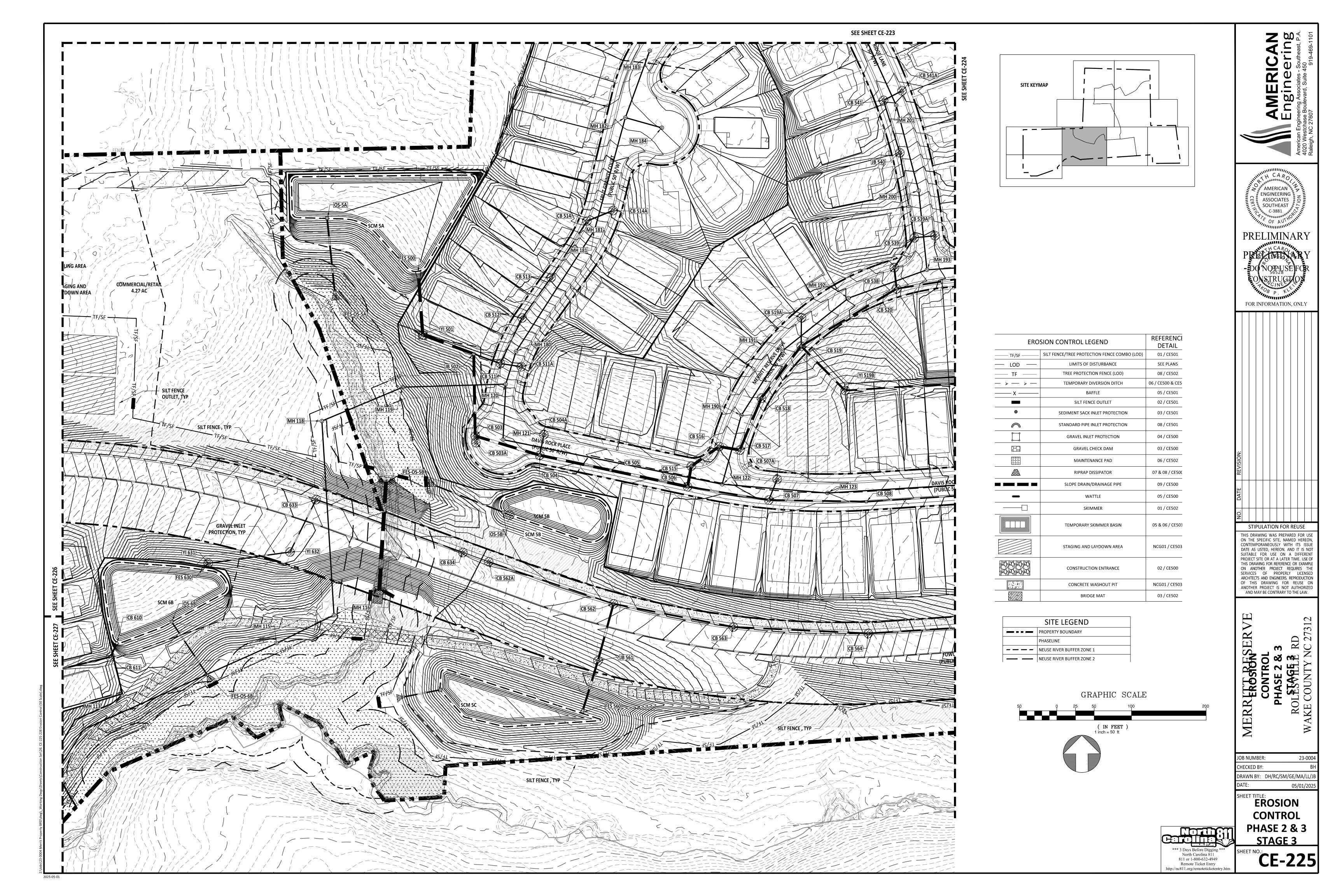
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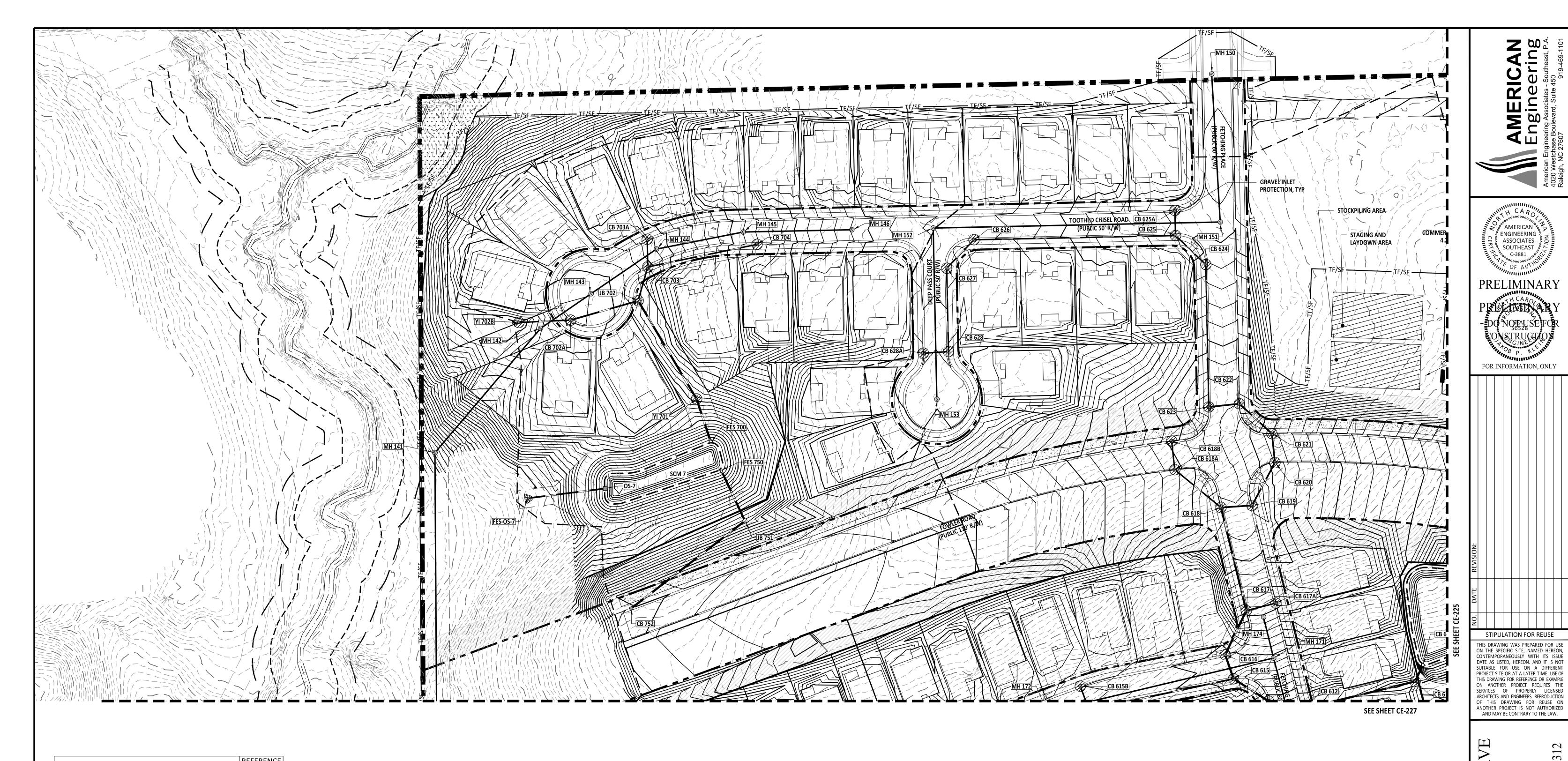
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05/01/202

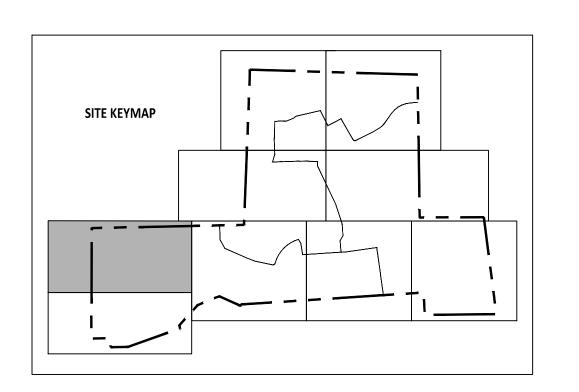
ASSOCIATES
SOUTHEAST
C-3881
OF AUTHOR

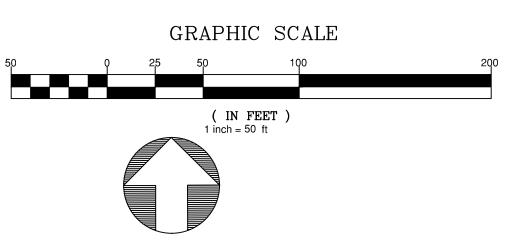


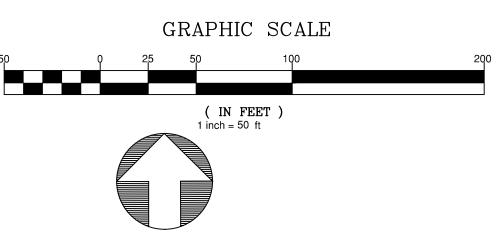


EROS	EROSION CONTROL LEGEND				
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501			
— LOD —	LIMITS OF DISTURBANCE	SEE PLANS			
TF	TREE PROTECTION FENCE (LOD)	08 / CE502			
	SILT FENCE OUTLET	02 / CE501			
Ø	SEDIMENT SACK INLET PROTECTION	03 / CE501			
	STANDARD PIPE INLET PROTECTION	08 / CE501			
	GRAVEL INLET PROTECTION	04 / CE500			
	GRAVEL CHECK DAM	03 / CE500			
	MAINTENANCE PAD	06 / CE502			
A	RIPRAP DISSIPATOR	07 & 08 / CE500			
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500			
	STAGING AND LAYDOWN AREA	NCG01 / CE503			
	CONSTRUCTION ENTRANCE	02 / CE500			
	CONCRETE WASHOUT PIT	NCG01 / CE503			

	SITE LEGEND		
	PROPERTY BOUNDARY		
	PHASELINE		
	NEUSE RIVER BUFFER ZONE 1		
	NEUSE RIVER BUFFER ZONE 2		
	RIGHT-OF-WAY		
LOD —	LIMITS OF DISTURBANCE		
	WETLANDS		







SHEET TITLE:

EROSION CONTROL **PHASE 2 & 3** *** 3 Days Before Digging ***
North Carolina 811

811 or 1-800-632-4949 Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

STAGE 3

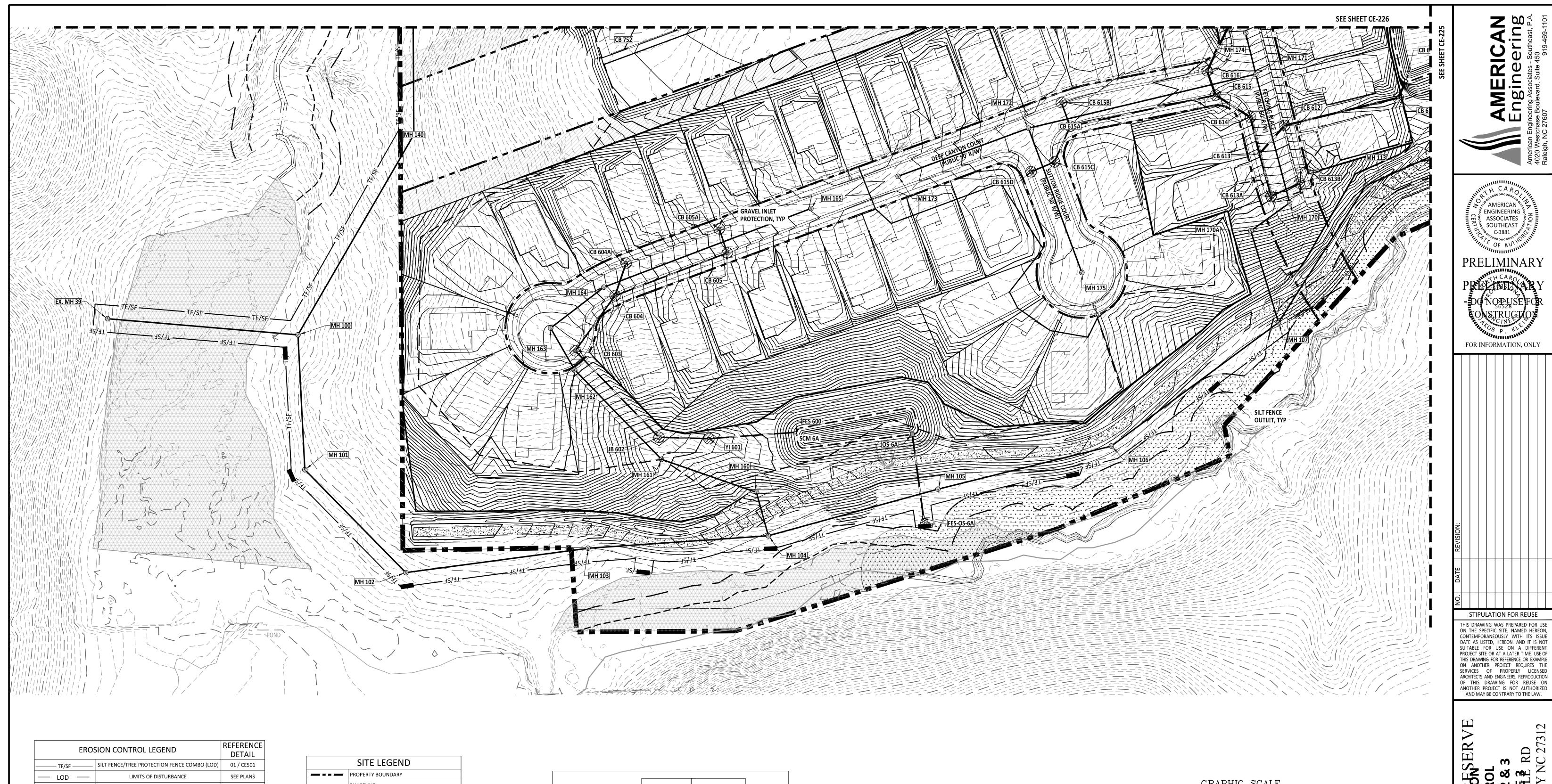
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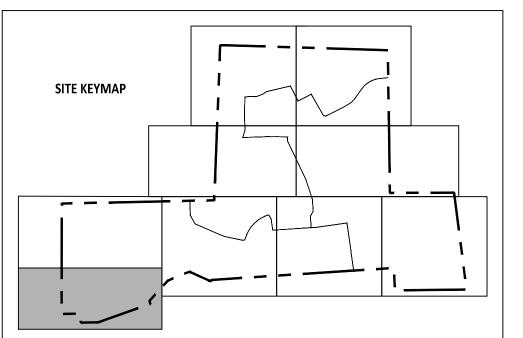
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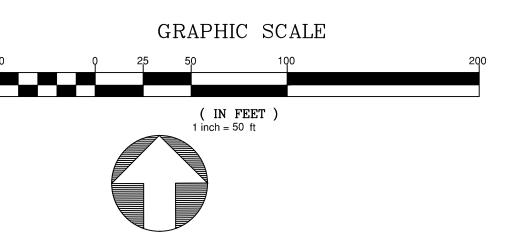
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	EROS	SION CONTROL LEGEND	DETAIL
TF/SF		SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
— LOD —		LIMITS OF DISTURBANCE	SEE PLANS
	TF	TREE PROTECTION FENCE (LOD)	08 / CE502
		SILT FENCE OUTLET	02 / CE501
	②	SEDIMENT SACK INLET PROTECTION	03 / CE501
		STANDARD PIPE INLET PROTECTION	08 / CE501
		GRAVEL INLET PROTECTION	04 / CE500
		GRAVEL CHECK DAM	03 / CE500
		MAINTENANCE PAD	06 / CE502
		RIPRAP DISSIPATOR	07 & 08 / CE500
		SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
		STAGING AND LAYDOWN AREA	NCG01 / CE503
		CONSTRUCTION ENTRANCE	02 / CE500
	7.5.43. 1.5.43.	CONCRETE WASHOUT PIT	NCG01 / CE503

SITE LEGEND				
PROPERTY BOUNDARY				
	PHASELINE			
	NEUSE RIVER BUFFER ZONE 1			
— —	NEUSE RIVER BUFFER ZONE 2			
	RIGHT-OF-WAY			
LOD	LIMITS OF DISTURBANCE			
	WETLANDS			





SHEET TITLE:
EROSION **CONTROL PHASE 2 & 3** STAGE 3

*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

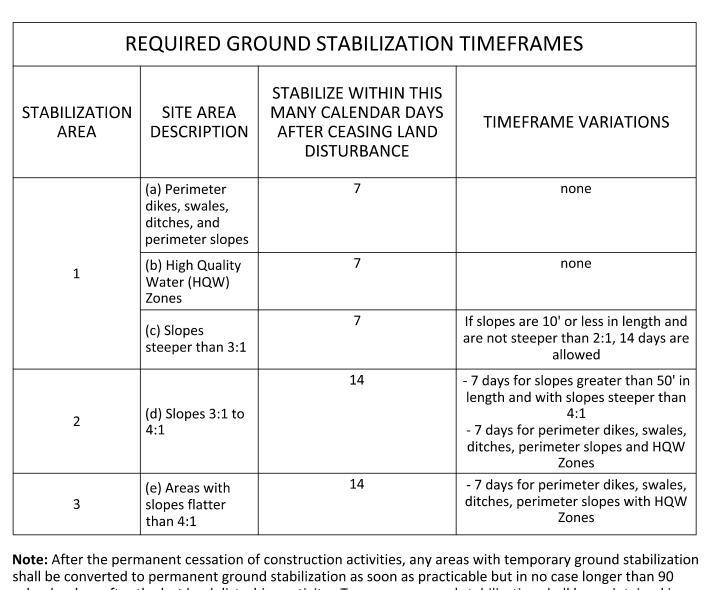
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23-0004

05/01/202

JOB NUMBER:

CHECKED BY:



shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is

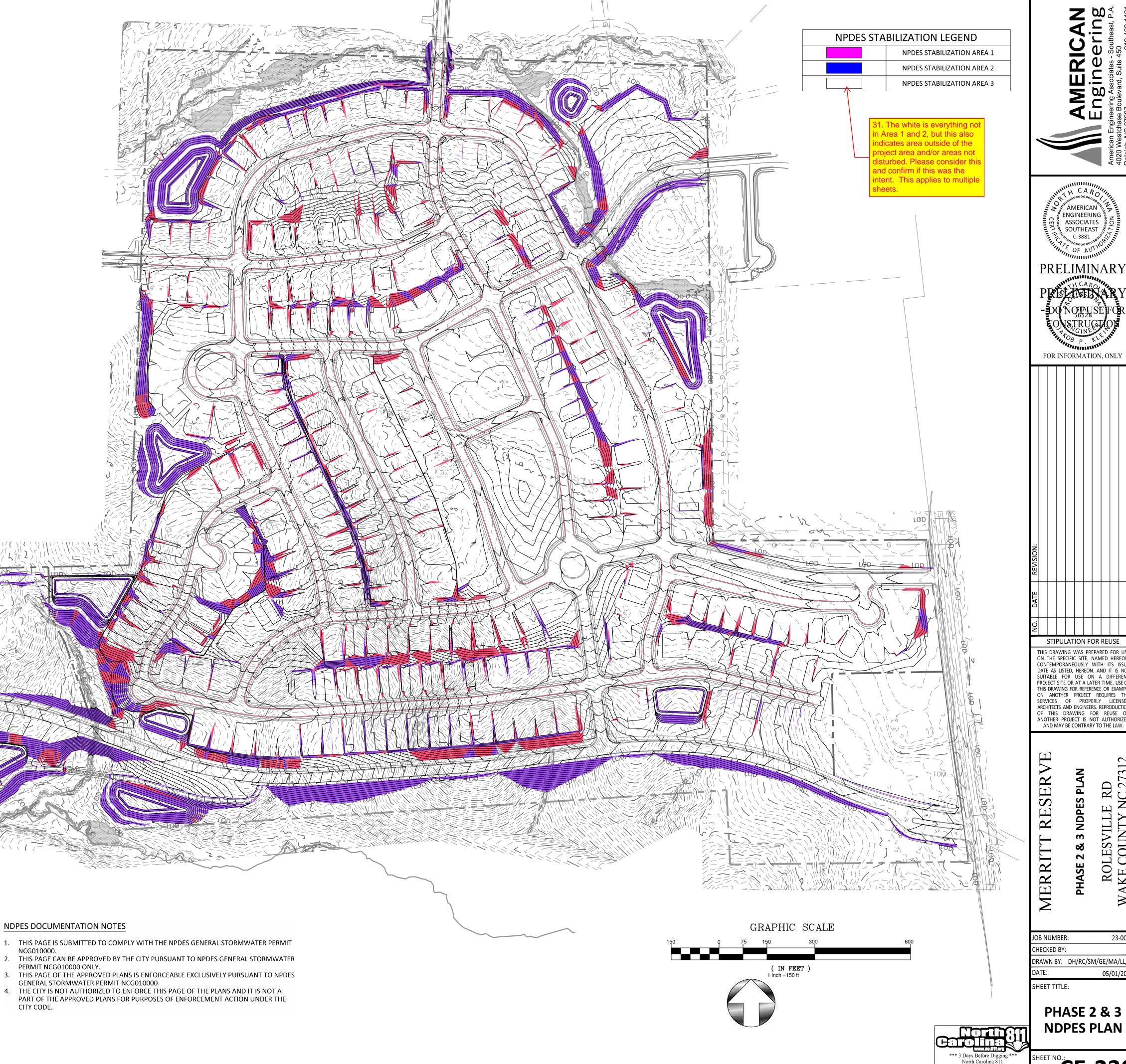
NCG010000.

CITY CODE.

TEMPORARY SEEDING SCHEDULE					
DATE	TYPE	RATE (lb/acre)			
FEB 15 - APRIL 1	VIRGINIA WILD RYE	4-6 LBS/ACRE			
AUG 15 - OCT 15	INDIAN WOODOATS	1.5-2.5 LBS/ACRE			
DEC 1 - APRIL 1	SWITCHGRASS	2.5-3.5 LBS/ACRE			

REFERENCE PERMANENT SEEDING RECOMMENDATIONS FOR SEEDBED PREPARATION.

2. ROLESVILLE IS LOCATED IN PIEDMONT REGION OF NORTH CAROLINA.



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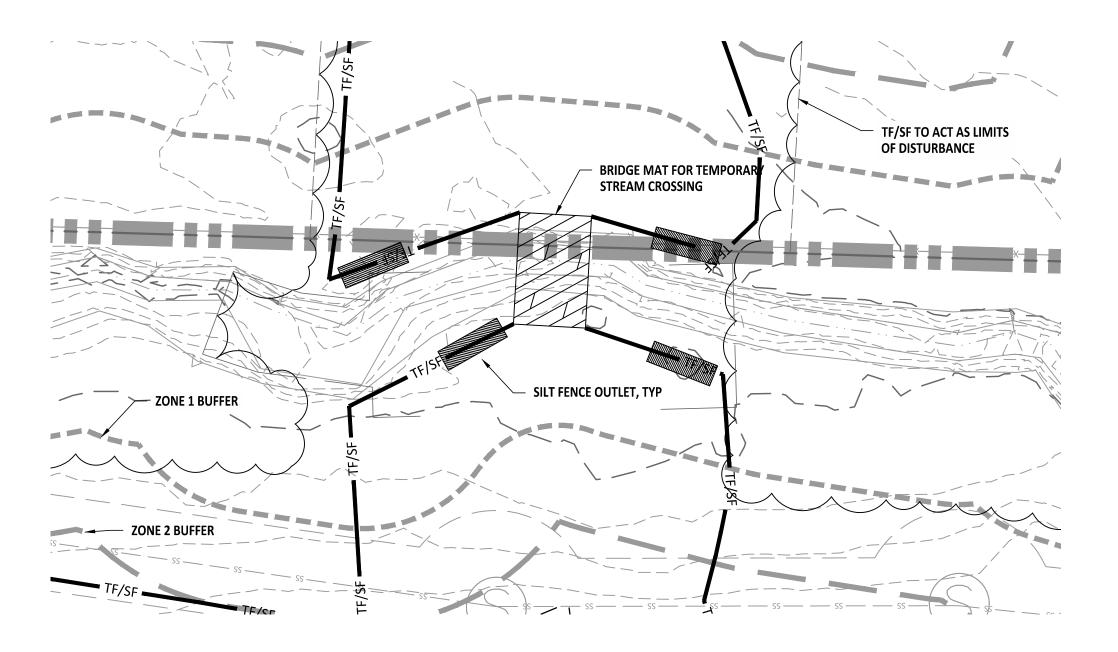
JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/J

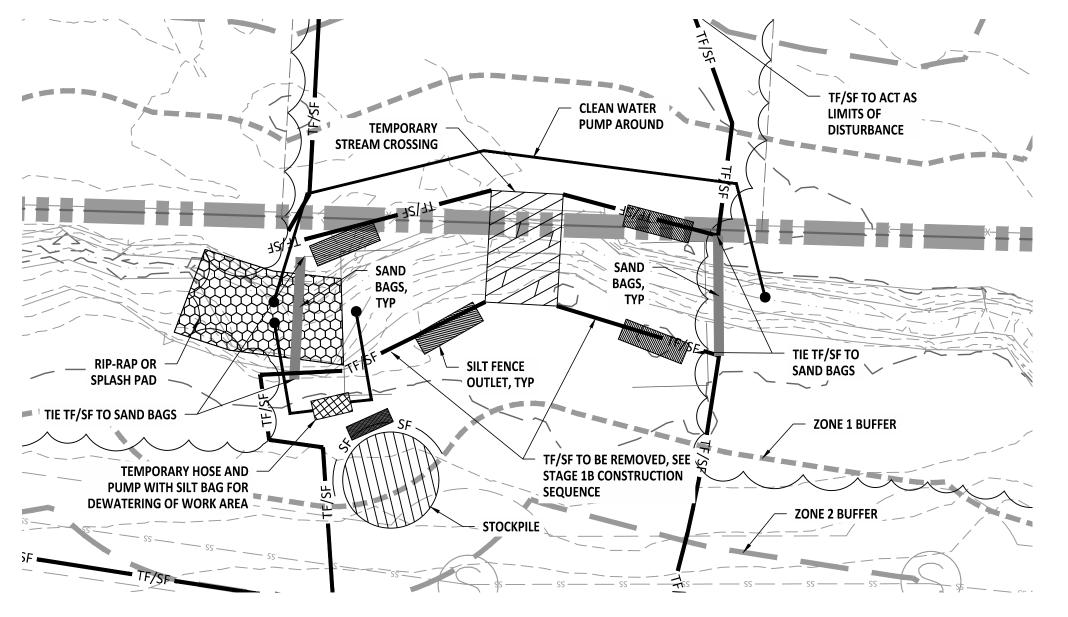
SHEET TITLE:

PHASE 2 & 3 NDPES PLAN

811 or 1-800-632-4949 Remote Ticket Entry

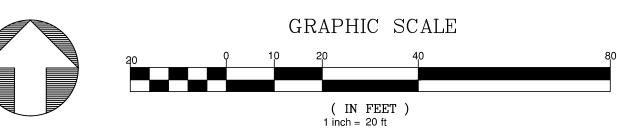
PROJECT NUMBER = PSP-24-07 | Remote Ticket Entry http://nc811.org/remoteticketentry.html

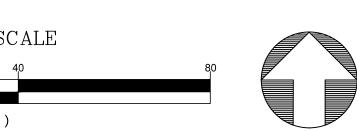


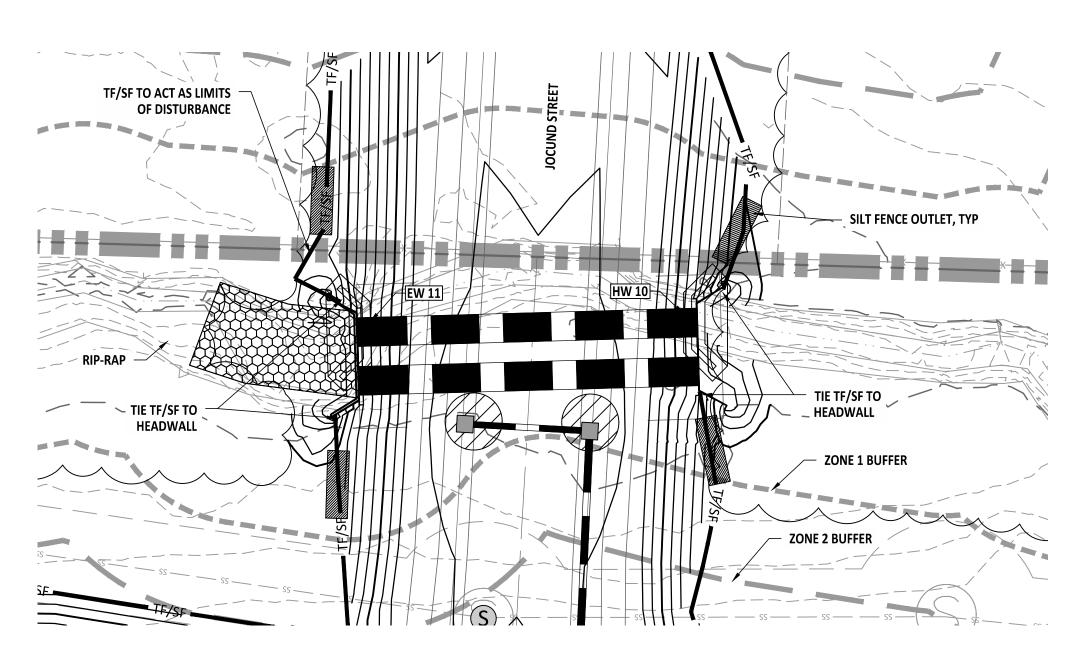


INTERMEDIATE CULVERT CROSSING FOR **JOCUND STREET**

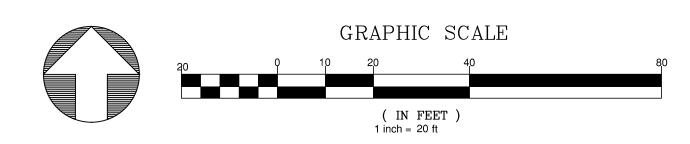








FINAL CULVERT CROSSING FOR **JOCUND STREET**



SEQUENCE FOR CULVERT CROSSING (FOR CLEAN WATER PUMP AROUND)

STAGE 1A CREEK CROSSING INSTALLATION

- 1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.

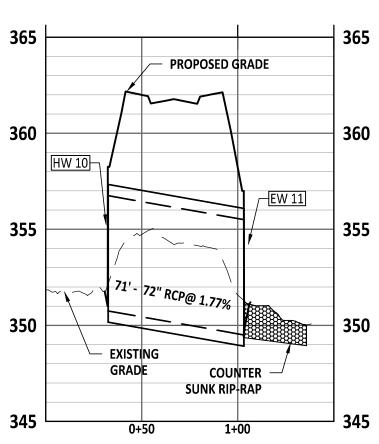
- THE CROSSING TO THE DOWNSTREAM SIDE OF THE CROSSING TO DIVERT FLOW AROUND THE WORK AREA.

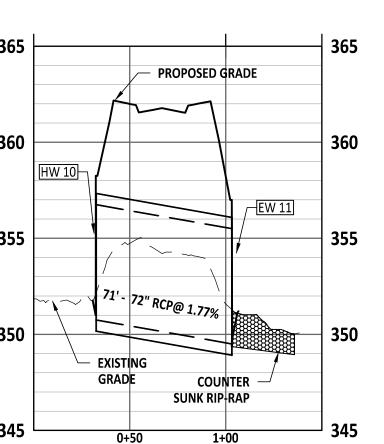
STAGE 1B CREEK CROSSING INSTALLATION

- 1. OBTAIN PERMISSION FROM THE WAKE COUNTY INSPECTOR TO PROCEED WITH THIS STEP.
- 2. INSTALL TEMPORARY HOSE AND PUMP AND A SILT BAG TO ALLOW FOR PUMP DOWN OF THE WORK AREA. PUMPS TO BE USED AS NEEDED.
- 3. ONCE THE STREAM HAS BEEN PUMPED DOWN AND THE SILT FENCE HAS BEEN TIED TO THE SANDBAGS, REMOVE THE SILT FENCE AS SHOWN IN THE INTERMEDIATE STAGE
- 4. EXCAVATE AREA AND INSTALL PIPE WITH HEADWALLS AND DOWNSTREAM RIP-RAP AS SHOWN.
- 5. OBTAIN WAKE COUNTY APPROVAL OF THE PIPE INSTALLATION.

STAGE 1C CREEK CROSSING INSTALLATION

- 1. UPON COMPLETION OF PIPE INSTALLATION, REMOVE TEMPORARY SANDBAGS ON DOWNSTREAM END.
- 2. REMOVE TEMPORARY SANDBAGS ON UPSTREAM END.
- 3. INSTALL SILT FENCE AT THE TOE OF SLOPES AND TIE TO ENDWALLS AS SHOWN ON THIS PLAN.
- 4. COMPLETE FILL AROUND THE PIPE TO A LEVEL AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE TO ALLOW CONSTRUCTION EQUIPMENT TO PASS OVER IT.
- 5. COMPLETE FILL BRINGING THE AREA TO FINISHED GRADE.
- 6. INSTALL PAVEMENT AND FOLLOW THE SEEDING SCHEDULE FOR ALL BARE AREAS.
- 7. REFER TO MAIN CONSTRUCTION SEQUENCE FOR OTHER DETAILS.





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ENGINEERING

ASSOCIATES SOUTHEAST

PRELIMINARY

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RD C 2' MERRITT

JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/J

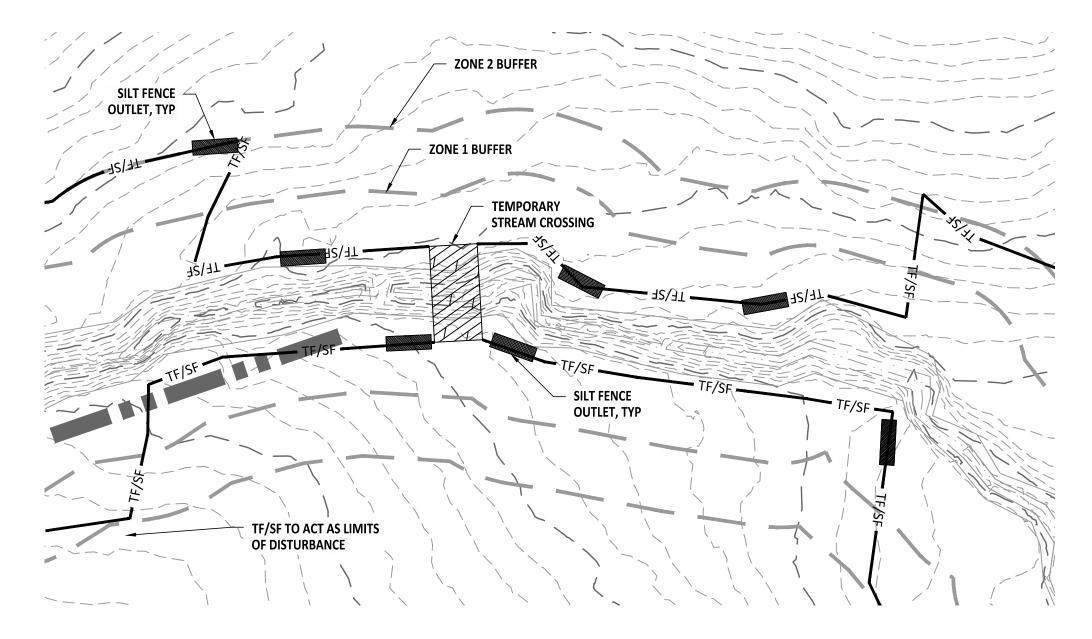
SHEET T**EROSION CONTROL CULVERT CROSSING**

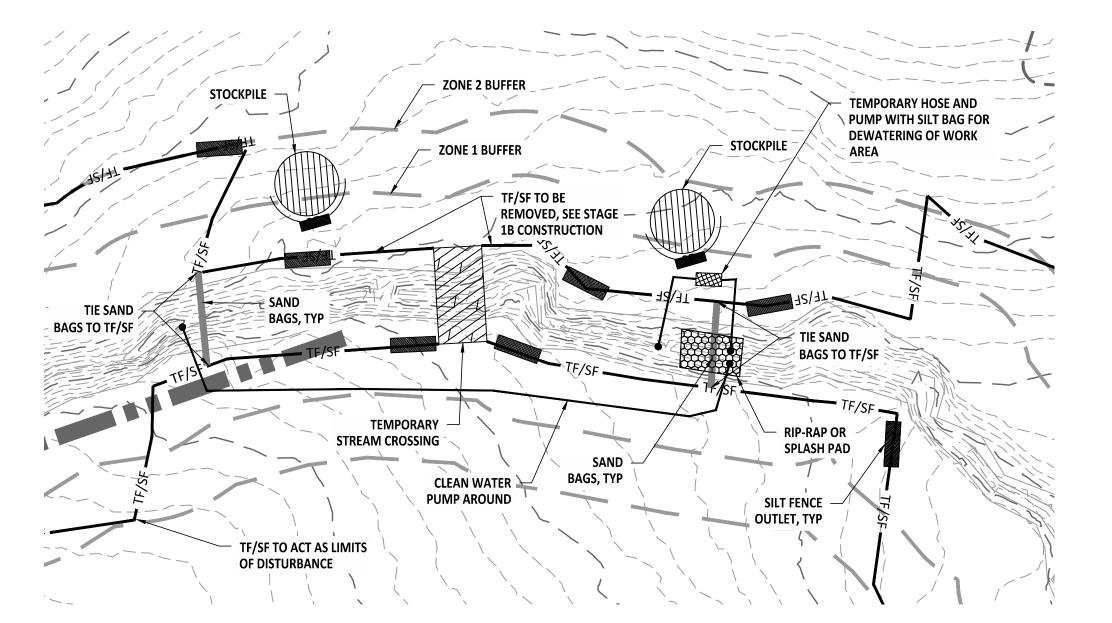
PHASE 2 & 3



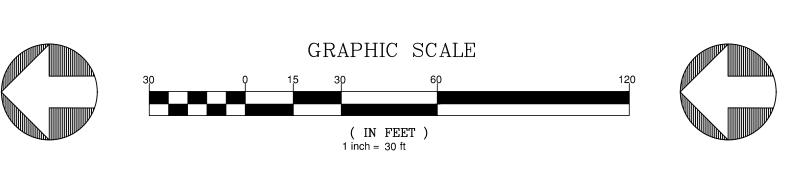
*** 3 Days Before Digging *

North Carolina 811

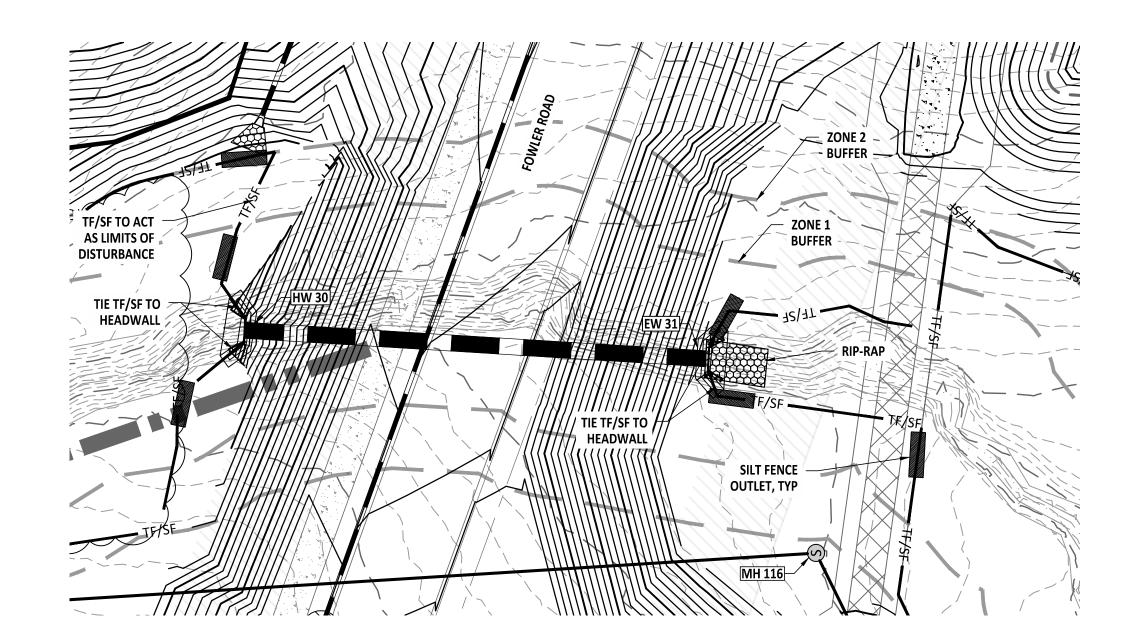




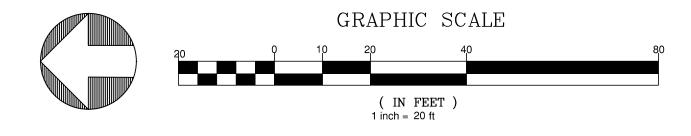
INITIAL CULVERT CROSSING FOR FOWLER ROAD



INTERMEDIATE CULVERT CROSSING FOR FOWLER ROAD



FINAL CULVERT CROSSING FOR FOWLER ROAD



SEQUENCE FOR CULVERT CROSSING (FOR CLEAN WATER PUMP AROUND)

STAGE 1A CREEK CROSSING INSTALLATION

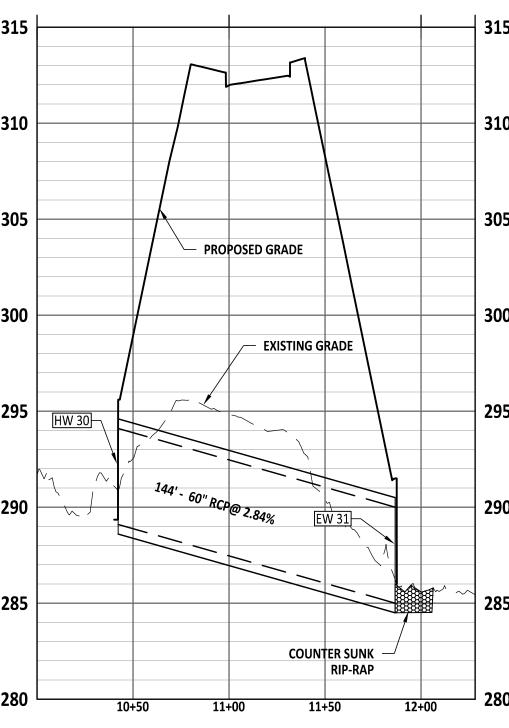
- 1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.
- 2. INSTALL THE BRIDGE MAT AND SILT FENCE AS SHOWN IN THE INITIAL STREAM CROSSING.
- 3. PLACE A TEMPORARY RIP-RAP PAD OR SPLASH PAD AT THE DOWNSTREAM END OF THE TEMPORARY HOSE TO
- 4. DURING A PERIOD OF DRY WEATHER, ADD AN IMPERVIOUS DIKE TO THE UPSTREAM AND DOWNSTREAM ENDS THE CROSSING TO THE DOWNSTREAM SIDE OF THE CROSSING TO DIVERT FLOW AROUND THE WORK AREA.

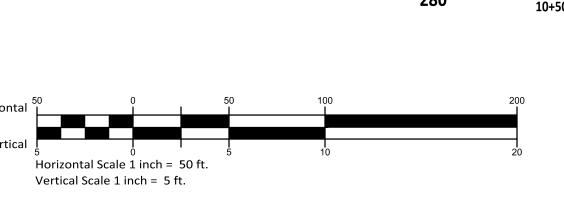
STAGE 1B CREEK CROSSING INSTALLATION

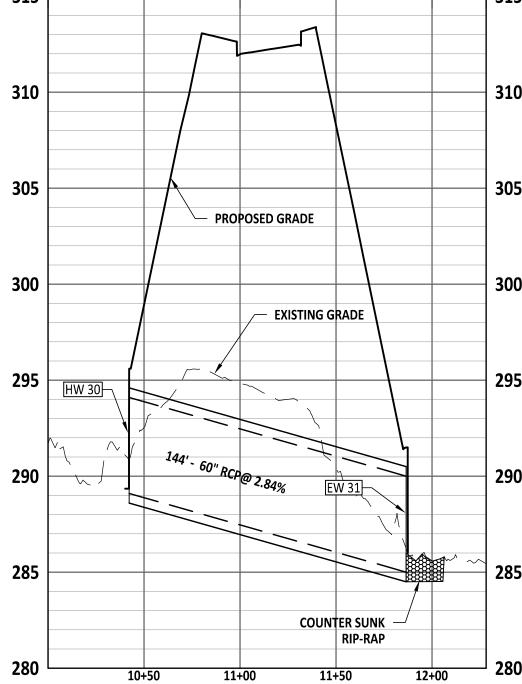
- 1. OBTAIN PERMISSION FROM THE WAKE COUNTY INSPECTOR TO PROCEED WITH THIS STEP.
- 2. INSTALL TEMPORARY HOSE AND PUMP AND A SILT BAG TO ALLOW FOR PUMP DOWN OF THE WORK AREA. PUMPS TO BE USED AS NEEDED.
- 3. ONCE THE STREAM HAS BEEN PUMPED DOWN AND THE SILT FENCE HAS BEEN TIED TO THE SANDBAGS, REMOVE THE SILT FENCE AS SHOWN IN THE INTERMEDIATE STAGE
- 4. EXCAVATE AREA AND INSTALL PIPE WITH HEADWALLS AND DOWNSTREAM RIP-RAP AS SHOWN. 5. OBTAIN WAKE COUNTY APPROVAL OF THE PIPE INSTALLATION.

STAGE 1C CREEK CROSSING INSTALLATION

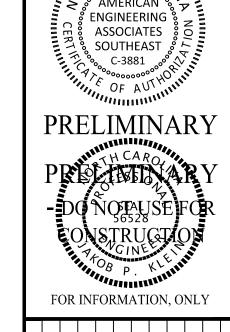
- 1. UPON COMPLETION OF PIPE INSTALLATION, REMOVE TEMPORARY SANDBAGS ON DOWNSTREAM END.
- 2. REMOVE TEMPORARY SANDBAGS ON UPSTREAM END.
- 3. INSTALL SILT FENCE AT THE TOE OF SLOPES AND TIE TO ENDWALLS AS SHOWN ON THIS PLAN.
- 4. COMPLETE FILL AROUND THE PIPE TO A LEVEL AT LEAST TWO (2) FEET ABOVE THE TOP OF THE PIPE TO ALLOW CONSTRUCTION EQUIPMENT TO PASS OVER IT.
- 5. COMPLETE FILL BRINGING THE AREA TO FINISHED GRADE.
- 6. INSTALL PAVEMENT AND FOLLOW THE SEEDING SCHEDULE FOR ALL BARE AREAS.
- 7. REFER TO MAIN CONSTRUCTION SEQUENCE FOR OTHER DETAILS.







North 81 Carolina *** 3 Days Before Digging ** North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry



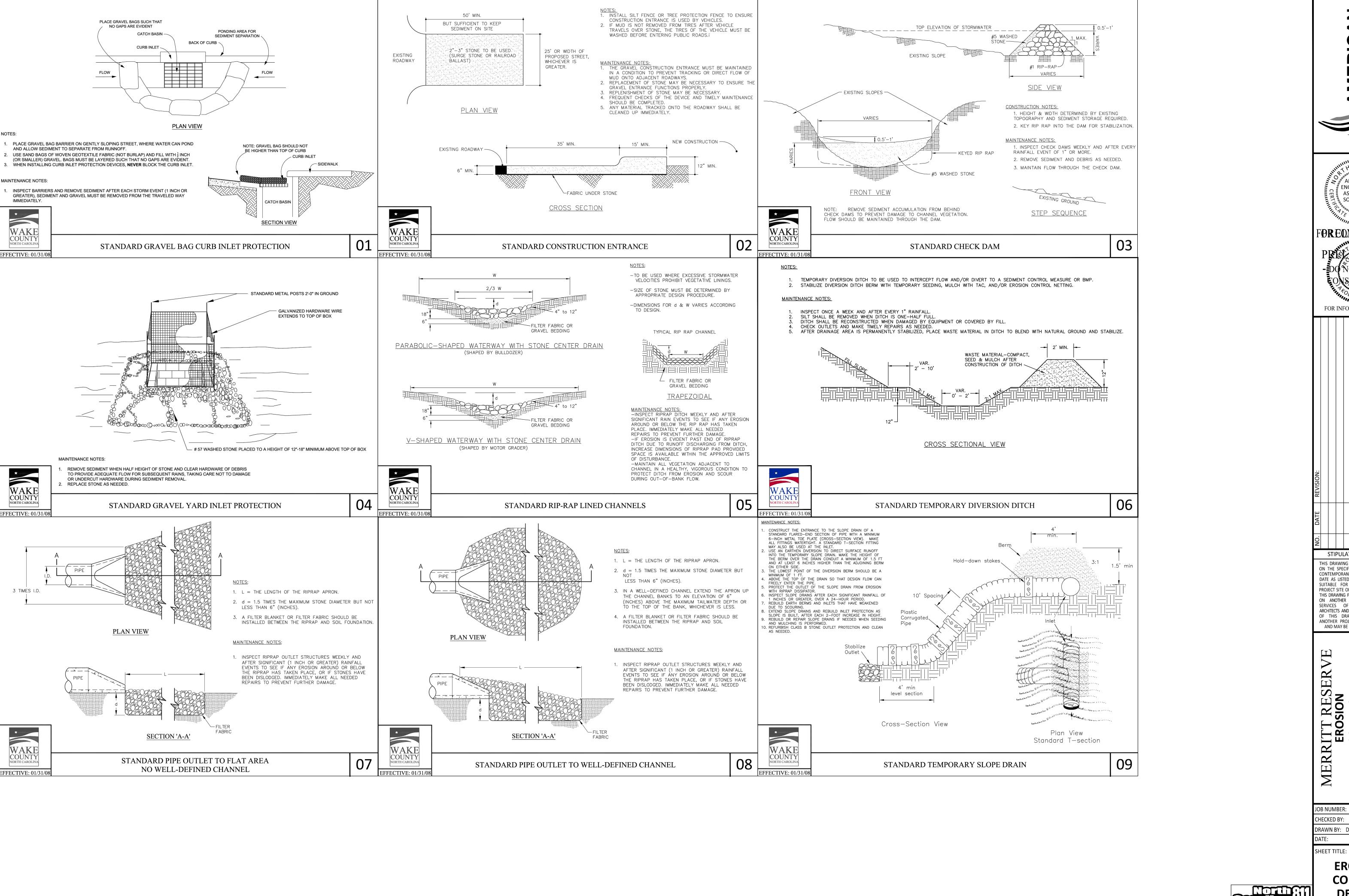
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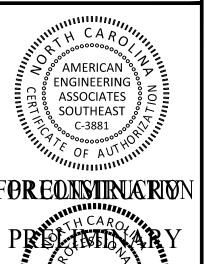
RESER E RD NC 27 MERRITT

JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/J

SHEET T**EROSION CONTROL CULVERT CROSSING**

PHASE 2 & 3





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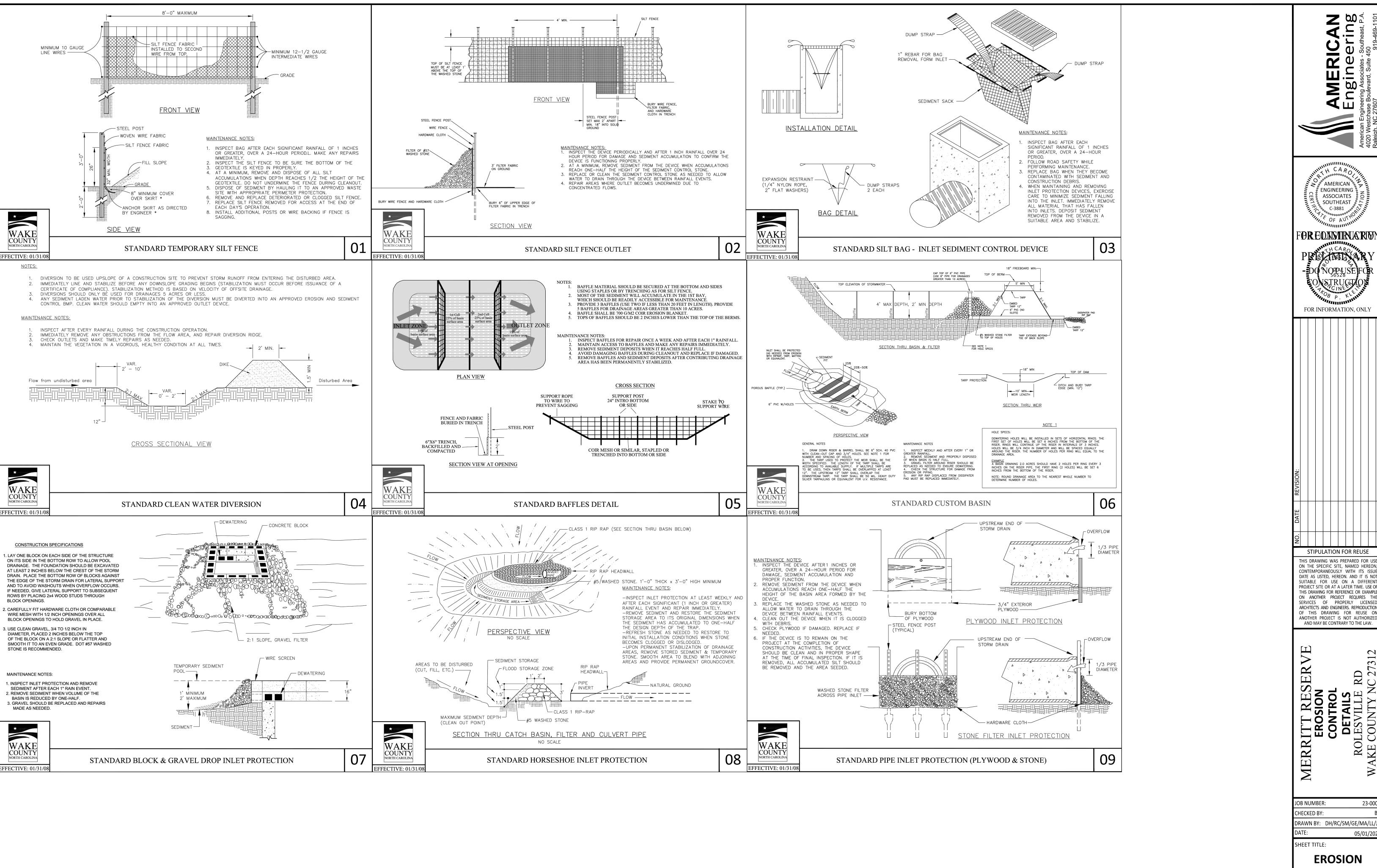
RD C 2'

23-0004

DRAWN BY: DH/RC/SM/GE/MA/LL/J 05/01/20

Carollia

*** 3 Days Before Digging * North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry http://nc811.org/remoteticketentry. **EROSION CONTROL DETAILS**



JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/J 05/01/20 SHEET TITLE: **EROSION**

RD C 2'

° AMERICAN

ASSOCIATES

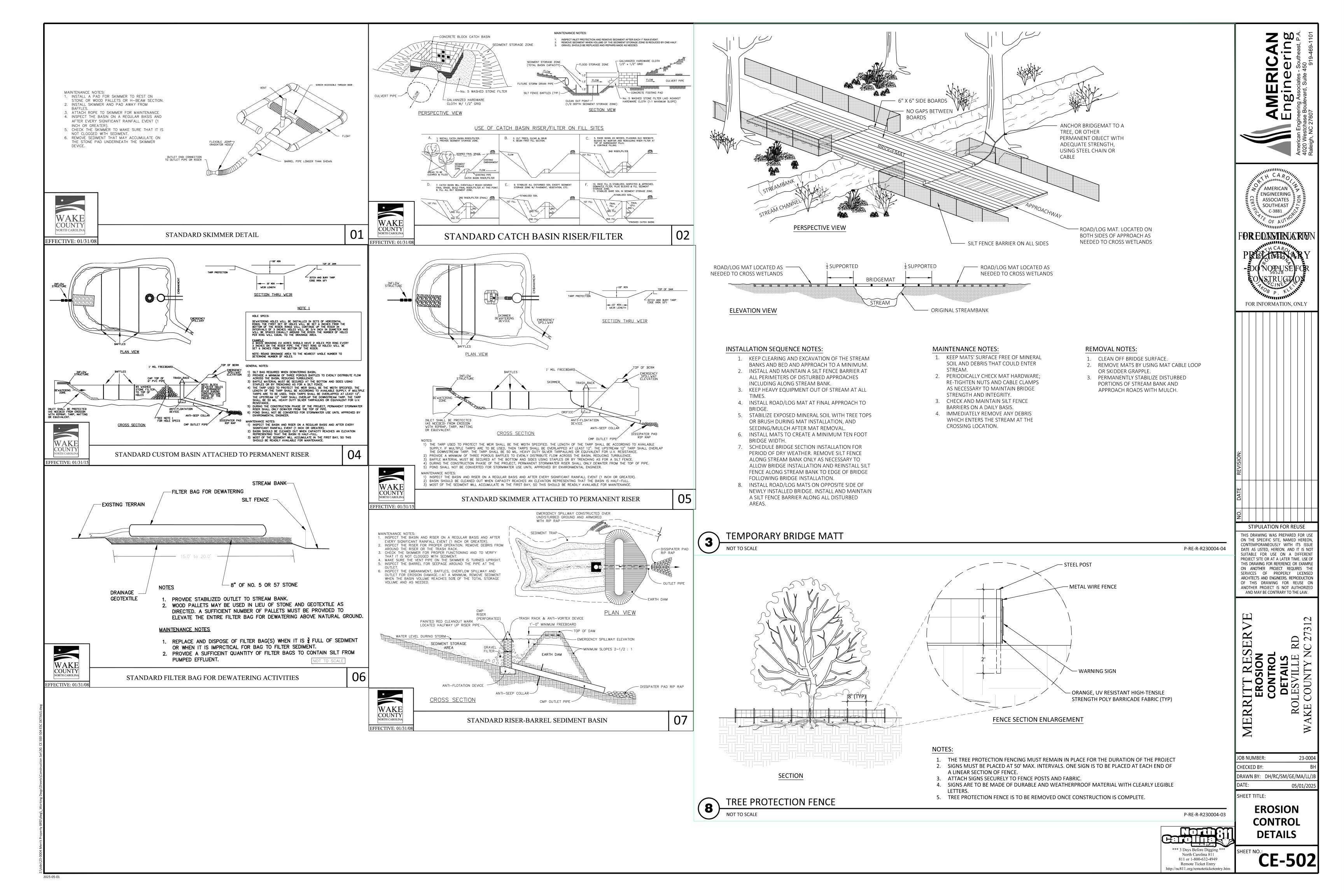
C-3881

CONTROL DETAILS

North

*** 3 Days Before Digging * North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry http://nc811.org/remoteticketentry.

Carolina



SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

hours of a rain

or offsite

accessible)

stabilization

measures

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	Identification of the measures inspected, Date and time of the inspection, Name of the person performing the inspection, Indication of whether the measures were operating properly, Description of maintenance needs for the measure, Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDCs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	Identification of the discharge outfalls inspected, Date and time of the inspection, Name of the person performing the inspection, Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, Indication of visible sediment leaving the site, Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left

the site limits,

Description, evidence and date of corrective actions taken, and Records of the required reports to the appropriate Division (a) This General Permit as well as the Certificate of Coverage, after it is received.

Description, evidence, and date of corrective actions taken, and

24 hours 3. An explanation as to the actions taken to control future (5) Streams or At least once per If the stream or wetland has increased visible sedimentation or a 7 calendar days stream has visible increased turbidity from the construction wetlands onsite activity, then a record of the following shall be made: hours of a rain event > 1.0 inch in Regional Office per Part III, Section C, Item (2)(a) of this permit. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent

Documentation that the required ground stabilization

measures have been provided within the required timeframe or an assurance that they will be provided as

soon as possible. NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn dow for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above, (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland. (b) Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours, They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume). (c) Releases of hazardous substances in excess of reportable quantities under Section 311

of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA

(d) Anticipated bypasses and unanticipated bypasses.

(Ref: 40 CFR 302.4) or G.S. 143-215.85.

(e) Noncompliance with the conditions of this permit that may endanger health or the

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800)

		corrective action.		858-0368.		
2. Additional Documentation to be Kept on Site			Occurrence	R	eporting Timeframes (After Discovery) and Other Requirements	
In addition to the E&SC plan documents above, the following items shall be kept on the			(a) Visible sediment	•	Within 24 hours, an oral or electronic notification.	
	·	es during normal business hours, unless the		deposition in a	•	Within 7 calendar days, a report that contains a description of the
Division provides a site-specific exemption based on unique site conditions that make			stream or wetland		sediment and actions taken to address the cause of the deposition.	
İ	this requirement not practical:					Division staff may waive the requirement for a written report on a
İ						case-by-case basis.
	(a) This General Permit as well as the Cer	rtificate of Coverage, after it is received.			•	If the stream is named on the NC 303(d) list as impaired for sediment- related causes, the permittee may be required to perform additional
İ	(1) 5 1 (t)					monitoring, inspections or apply more stringent practices if staff
	• • • • • • • • • • • • • • • • • • • •	he previous twelve months. The permittee shall				determine that additional requirements are needed to assure compliance
	record the required observations on the Inspection Record Form provided by the					with the federal or state impaired-waters conditions.
	·	hat includes all the required elements. Use of		(b) Oil spills and	•	Within 24 hours, an oral or electronic notification. The notification
	•	u of the required paper copies will be allowed if		release of		shall include information about the date, time, nature, volume and
	shown to provide equal access and ut	tility as the hard-copy records.		hazardous		location of the spill or release.
3. Documentation to be Retained for Three Years All data used to complete the e-NOI and all inspection records shall be maintained for a period			substances per Item			
			1(b)-(c) above	+		
		d made available upon request. [40 CFR 122.41]		(c) Anticipated bypasses [40 CFR	•	A report at least ten days before the date of the bypass, if possible.
_				122.41(m)(3)]		The report shall include an evaluation of the anticipated quality and effect of the bypass.
	ON C (TEA /4)		1	(d) Unanticipated	-	Within 24 hours, an oral or electronic notification.
CTION G, ITEM (4) INS FOR MAINTENANCE OR CLOSE OUT		Н	bypasses [40 CFR		Within 7 calendar days, a report that includes an evaluation of the	
		Н	122.41(m)(3)]		quality and effect of the bypass.	
				(e) Noncompliance	•	Within 24 hours, an oral or electronic notification.
	outlet structures that withdraw water from the surface when these devices need to be drawn down			with the conditions	•	Within 7 calendar days, a report that contains a description of the
le to withdraw water from the surface shall be rare (for example, times with extended cold weather).				of this permit that		noncompliance, and its causes; the period of noncompliance,

NORTH CAROLINA Environmental Quality

including exact dates and times, and if the noncompliance has not

been corrected, the anticipated time noncompliance is expected to

continue; and steps taken or planned to reduce, eliminate, and

prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).

Division staff may waive the requirement for a written report on a

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction tivity being considered compliant with the Ground Stabilization and Materials Handling: sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

١	SECTION E: GROUND STABILIZATION					
		Required Ground Stabilization Timeframes				
	Si	te Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations		
	(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None		
	(b)	High Quality Water (HQW) Zones	7	None		
	(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed		
	(d)	Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed		
	(e)	Areas with slopes flatter than 4:1	14	 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zone -10 days for Falls Lake Watershed unless there is zero slope 		

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below

other mulches and tackifiers

- Temporary grass seed covered with straw or | Permanent grass seed covered with straw or other mulches and tackifiers Hydroseeding Geotextile fabrics such as permanent soil • Rolled erosion control products with or reinforcement matting Hydroseeding without temporary grass seed
- Appropriately applied straw or other mulch Shrubs or other permanent plantings covered Plastic sheeting Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or

retaining walls

Rolled erosion control products with grass seed

or surrounded by secondary containment structures.

- POLYACRYLAMIDES (PAMS) AND FLOCCULANTS Select flocculants that are appropriate for the soils being exposed during
- construction, selecting from the NC DWR List of Approved PAMS/Flocculants. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures. Apply flocculants at the concentrations specified in the NC DWR List of Approved
- PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging

Store flocculants in leak-proof containers that are kept under storm-resistant cover

- **EQUIPMENT AND VEHICLE MAINTENANCE**
- Maintain vehicles and equipment to prevent discharge of fluids. 2. Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the

SELF-INSPECTION, RECORDKEEPING AND REPORTING

The approved E&SC plan as well as any approved deviation shall be kept on the site. The

approved E&SC plan must be kept up-to-date throughout the coverage under this permit.

The following items pertaining to the E&SC plan shall be kept on site and available for

(a) Each E&SC measure has been installed Initial and date each E&SC measure on a copy

and does not significantly deviate from the of the approved E&SC plan or complete, date

locations, dimensions and relative elevations | and sign an inspection report that lists each

(b) A phase of grading has been completed. Initial and date a copy of the approved E&SC

E&SC measure shown on the approved E&SC

plan. This documentation is required upon the initial installation of the E&SC measures or if

the E&SC measures are modified after initial

plan or complete, date and sign an inspection report to indicate completion of the

Initial and date a copy of the approved E&SC

plan or complete, date and sign an inspection report to indicate compliance with approved

Complete, date and sign an inspection report.

Initial and date a copy of the approved E&SC

plan or complete, date and sign an inspection

report to indicate the completion of the

onstruction phase.

ground cover specifications.

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

shown on the approved E&SC plan.

(c) Ground cover is located and installed

in accordance with the approved E&SC

(d) The maintenance and repair

have been performed.

to E&SC measures.

requirements for all E&SC measures

(e) Corrective actions have been taken

inspection at all times during normal business hours.

- 4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible)
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- 6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland. Cover waste containers at the end of each workday and before storm events or
- provide secondary containment. Repair or replace damaged waste containers. Anchor all lightweight items in waste containers during times of high winds. Empty waste containers as needed to prevent overflow. Clean up immediately if
- Dispose waste off-site at an approved disposal facility. 9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

construction sites.

containers overflow.

- Do not dump paint and other liquid waste into storm drains, streams or wetlands. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site. . Prevent the discharge of soaps, solvents, detergents and other liquid wastes from

PORTABLE TOILETS

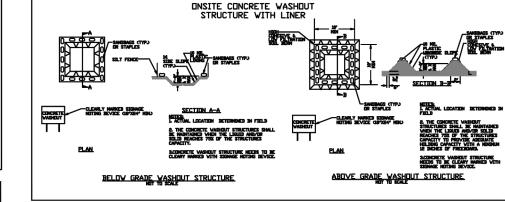
- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated

erosion on disturbed soils for temporary or permanent control needs.





may endanger

environment[40

CFR 122.41(I)(7)]

health or the

Do not discharge concrete or cement slurry from the site.

case-by-case basis.

- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within
- lot perimeter silt fence. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two
- types of temporary concrete washouts provided on this detail. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must
- be pumped out and removed from project. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the
- approving authority. Install at least one sign directing concrete trucks to the washout within the project
- limits. Post signage on the washout itself to identify this location. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary
- products, follow manufacturer's instructions. 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES Store and apply herbicides, pesticides and rodenticides in accordance with label

- Store herbicides, pesticides and rodenticides in their original containers with the
- label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water
- or surface water. If a spill occurs, clean area immediately. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- 2. Place hazardous waste containers under cover or in secondary containment. 3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19





STIPULATION FOR REUSE

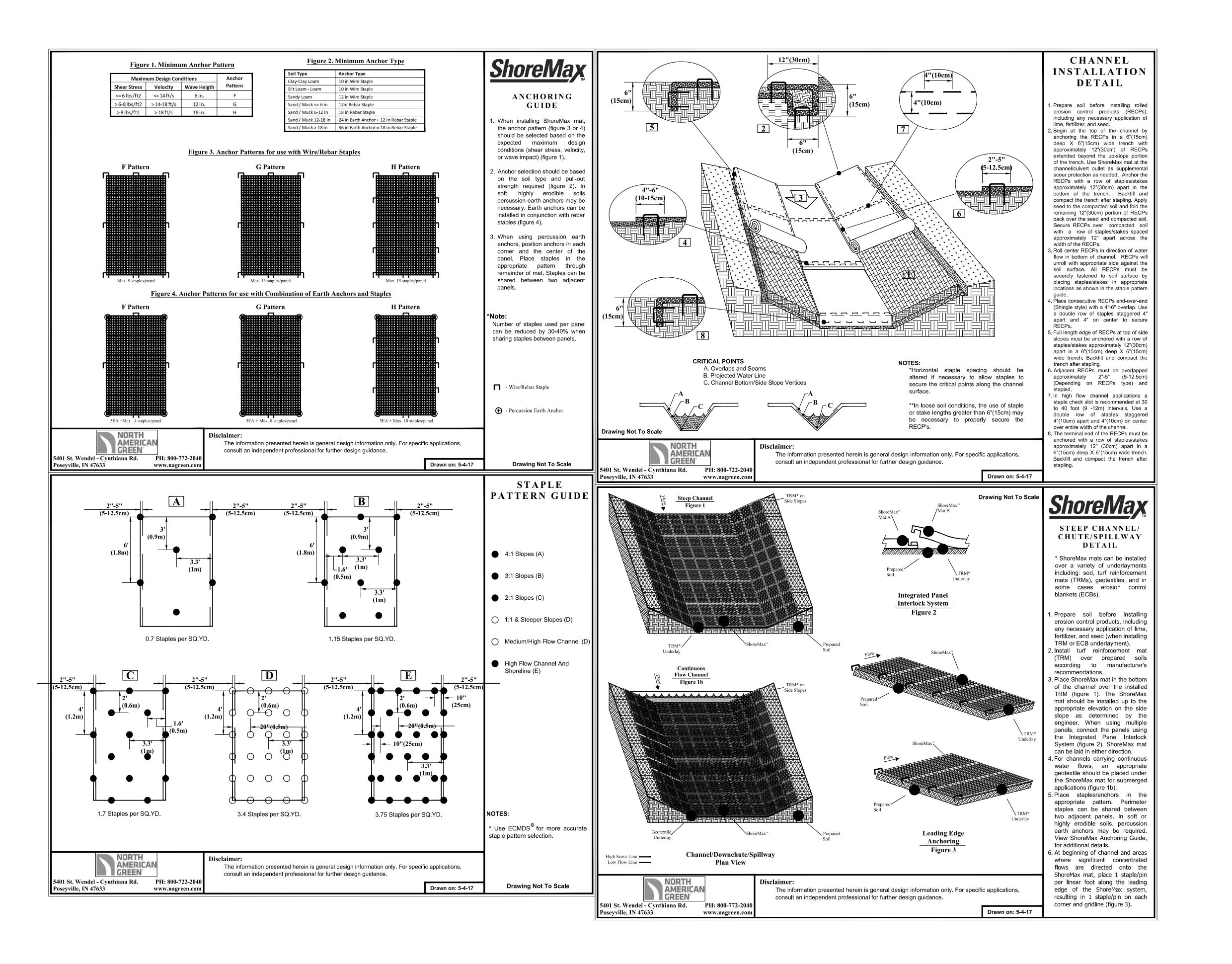
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SHEET TITLE: **EROSION CONTROL DETAILS**

Carolina *** 3 Days Before Digging North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry nttp://nc811.org/remoteticketentry.

North

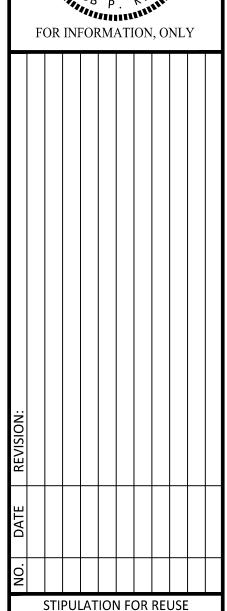












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JOB NUMBER: 23-0004 CHECKED BY: DRAWN BY: DH/RC/SM/GE/MA/LL/JI 05/01/202

SHEET TITLE:

North

North Carolina 811

Carolina

EROSION CONTROL DETAILS

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