

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

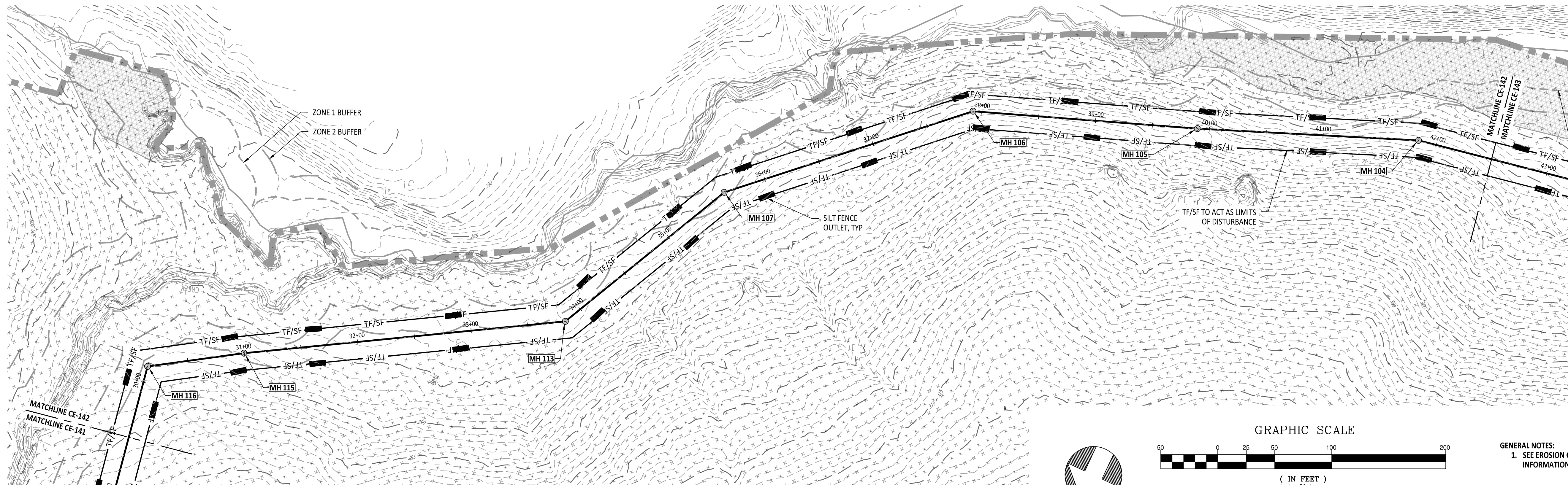
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL PLAN &
PROFILE PHASE 1
ROLESVILLE RD
WAKE COUNTY NC 27312

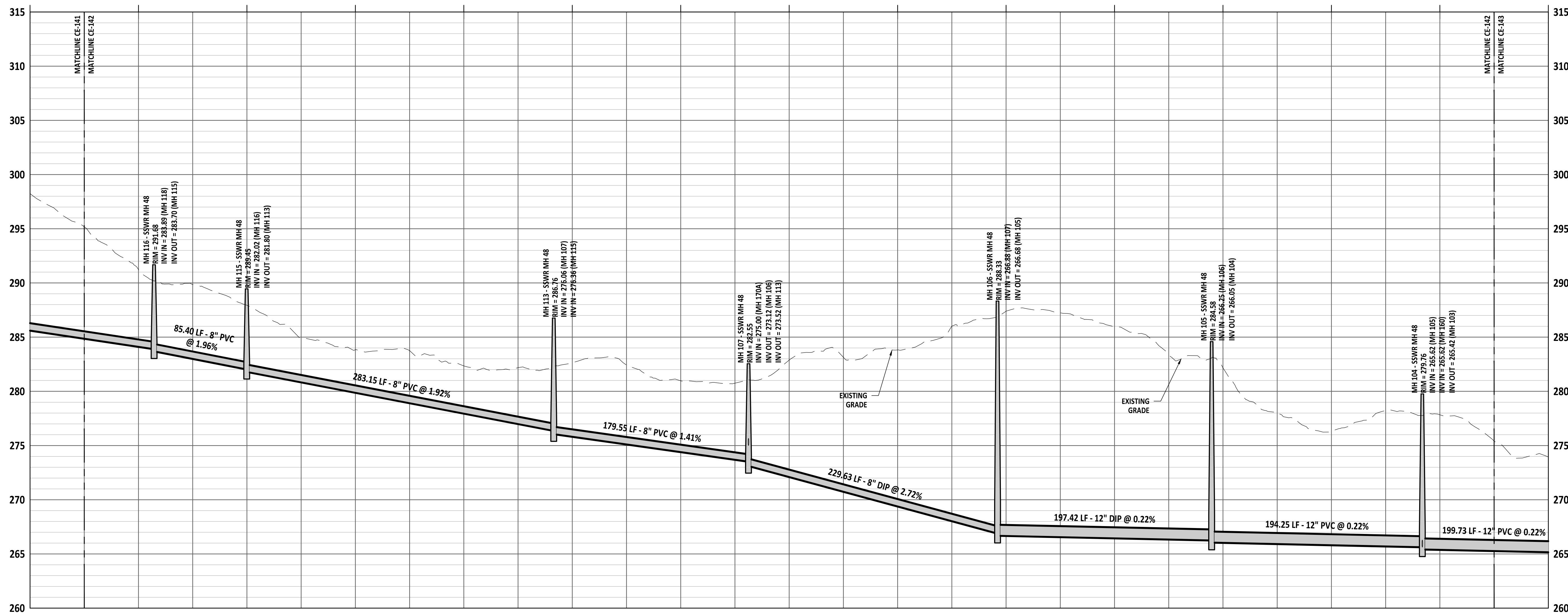
JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025

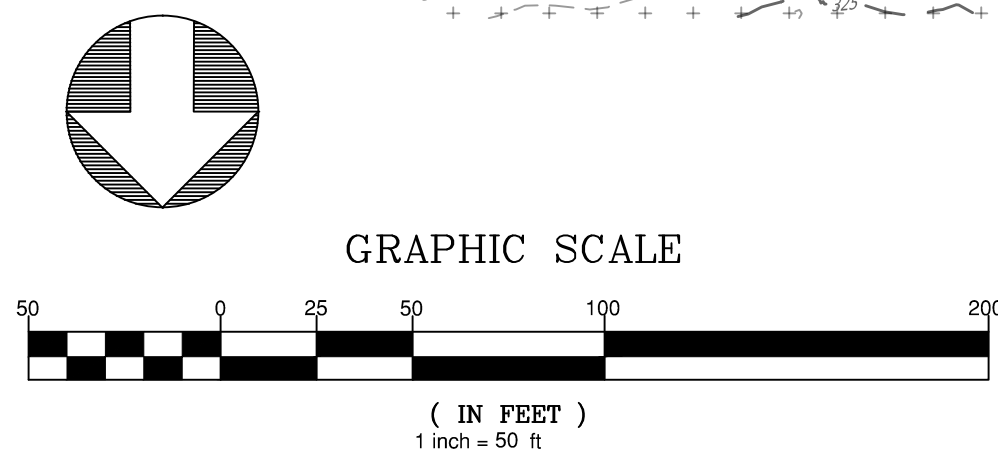
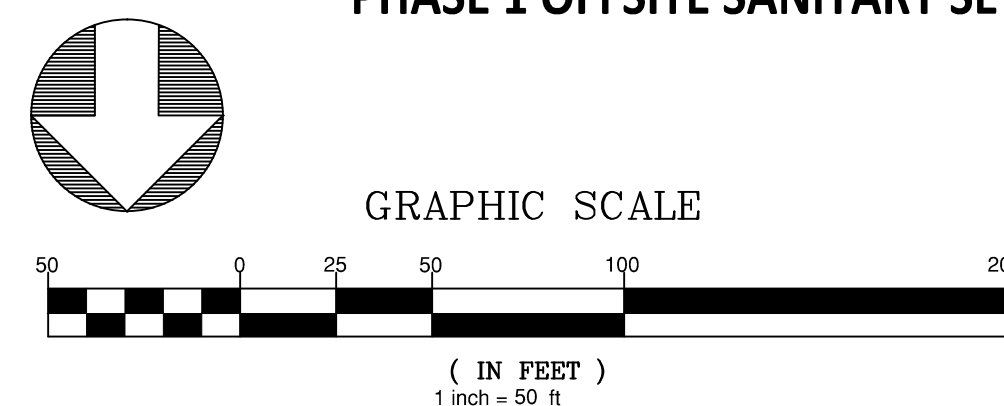
SHEET TITLE:
EROSION
CONTROL PLAN
& PROFILE
PHASE 1

SHEET NO.:
CE-142



PHASE 1 OFFSITE SANITARY SEWER PLAN & PROFILE



[illegible]

Profile view of a sewer line. The vertical axis shows elevation in feet, ranging from 345 to 375. The horizontal axis represents the length of the sewer line.

Key features and data points:

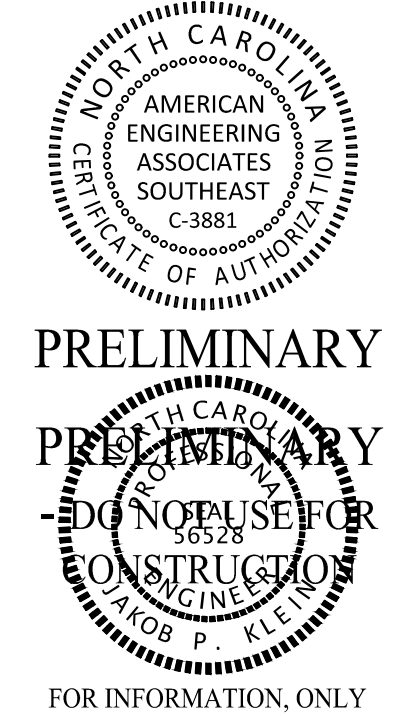
- Existing Grade:** Represented by a dashed line.
- Phase 1 Temporary Grade:** Represented by a solid line.
- Manhole 541 - SSWR MH 48:**
 - RIM = 367.50
 - INV IN = 350.90 (MH 550)
 - INV IN = 349.48 (MH 560)
 - INV IN = 355.50 (MH 542)
 - INV OUT = 350.30 (MH 540)
- Manhole 540 - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540A - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540B - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540C - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540D - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540E - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540F - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540G - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540H - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540I - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540J - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540K - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540L - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540M - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540N - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540O - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540P - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540Q - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540R - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540S - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540T - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540U - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540V - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540W - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540X - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540Y - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540Z - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AA - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AB - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AC - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AD - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AE - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AF - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AG - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AH - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AI - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AJ - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AK - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AL - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AM - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AN - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AO - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AP - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AQ - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AR - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AS - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AT - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AU - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AV - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AW - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AX - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AY - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540AZ - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Manhole 540BA - SSWR MH 48:**
 - RIM = 357.55
 - INV IN = 351.40 (MH 541)
- Man**

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



AMERICAN
Engineering

American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
919-469-1101

[illegible]

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

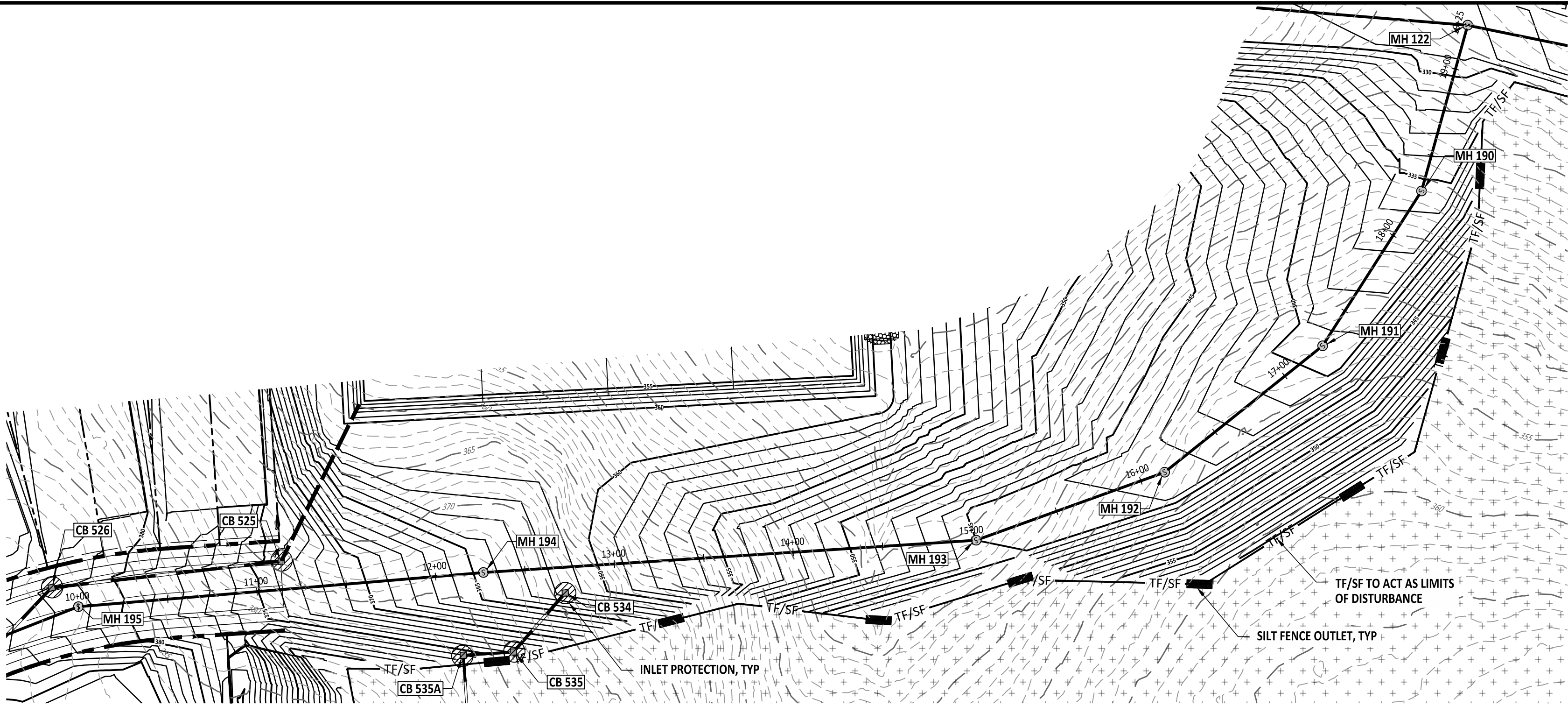
MERRITT RESERVE
**EROSION CONTROL PLAN &
PROFILE PHASE 1**
ROLESVILLE RD
WAKE COUNTY NC 27312

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

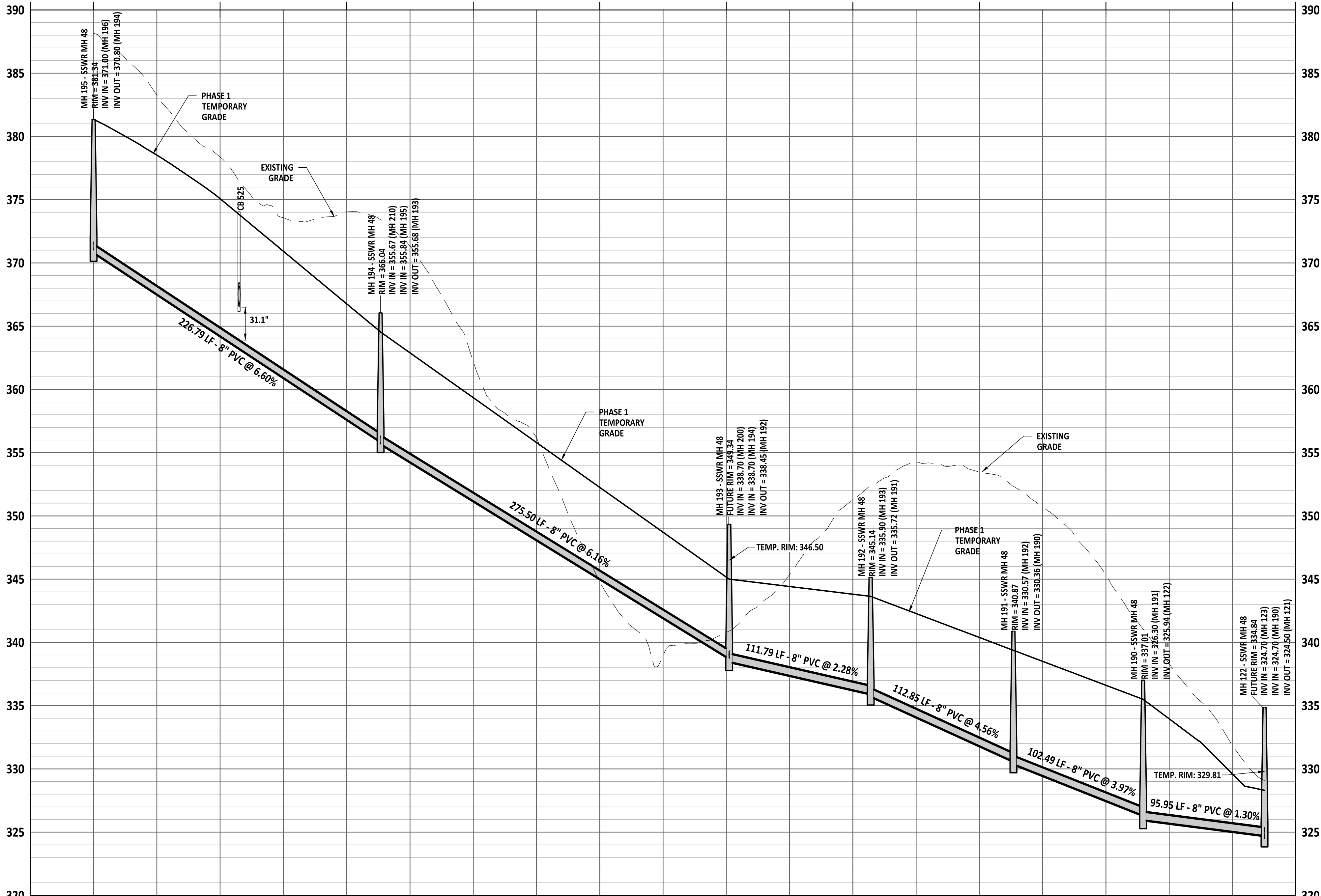
**EROSION
CONTROL PLAN &
PROFILE PHASE 1**

SHEET NO.: **CE-143**

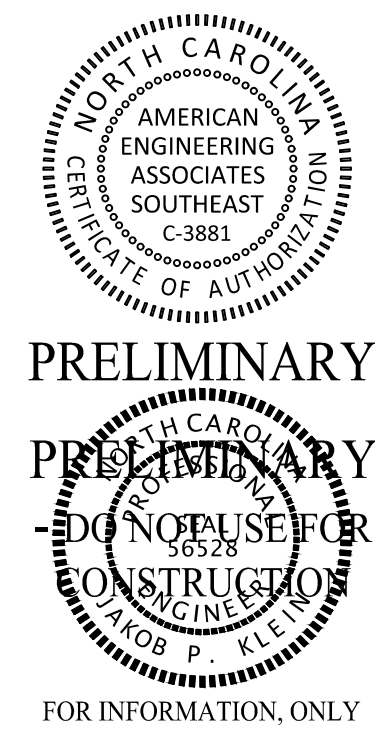
Z:\shelby\2008 Merritt Property\BDD\Drawn Working Draw\Sewer\Construction Set\17_CE-144-146 PLAN & PROFILE PHASE 1.dwg
2025-07-01



PHASE 1 OFFSITE SANITARY SEWER PLAN & PROFILE



GENERAL NOTES:
1. SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION.

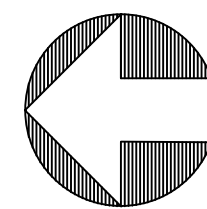
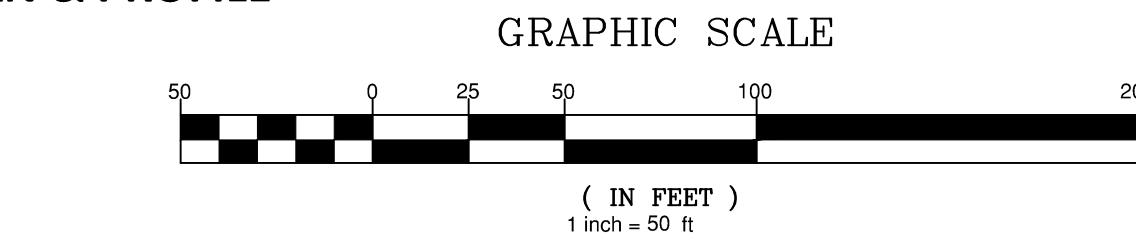
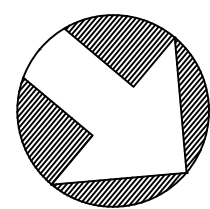


NO.	DATE	REVISION:
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL PLAN & PROFILE PHASE 1
ROLESVILLE RD
WAKE COUNTY NC 27312

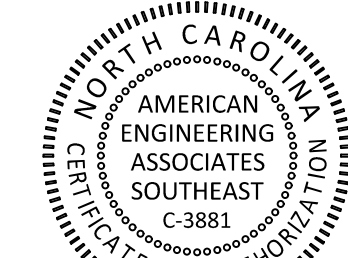
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025
SHEET TITLE:	EROSION CONTROL PLAN & PROFILE PHASE 1
SHEET NO.:	CE-144



**North 81
Carolina**
www.nc81.org

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

PROJECT NUMBER = CID-25-02



PRELIMINARY

PRELIMINARY

DO NOT USE FOR



FOR INFORMATION, ONLY

[illegible]

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON. AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
**EROSION CONTROL PLAN &
PROFILE PHASE 1**
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

CHECKED BY: _____

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

DATE: 05/01/202

SHEET TITLE:

EROSION

CONTROL PLAN

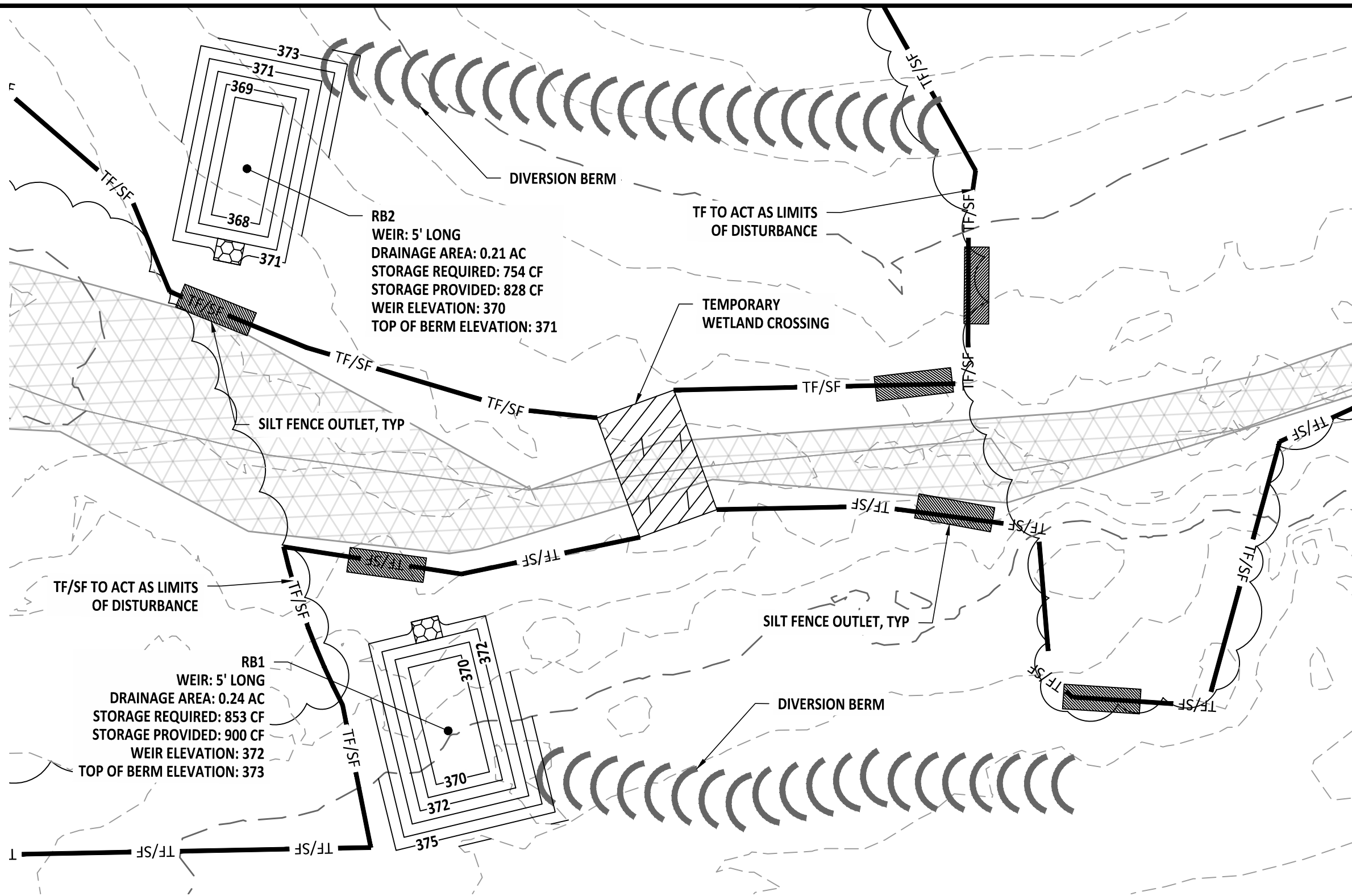
8. PROEF E

PHASE 1

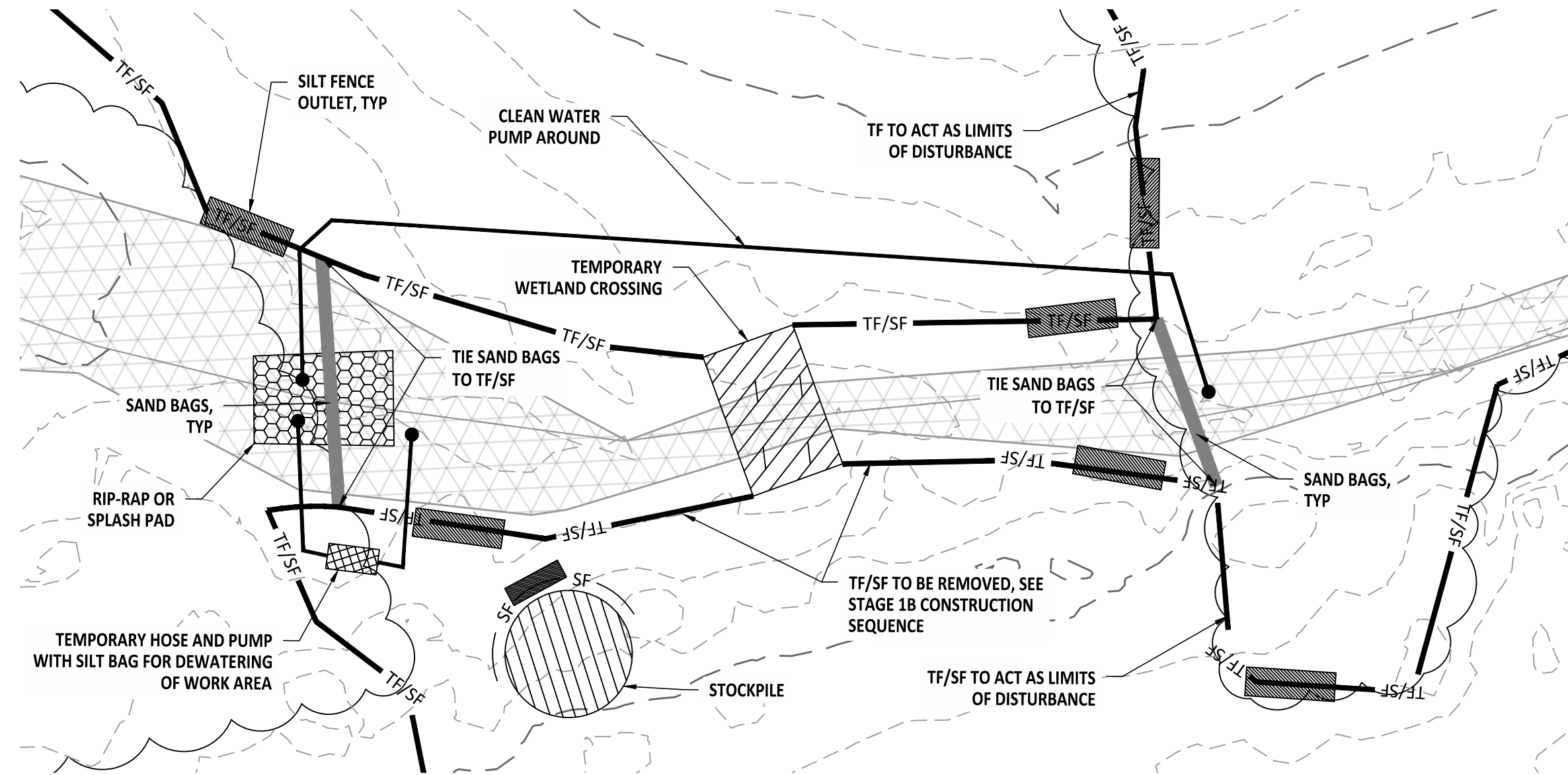
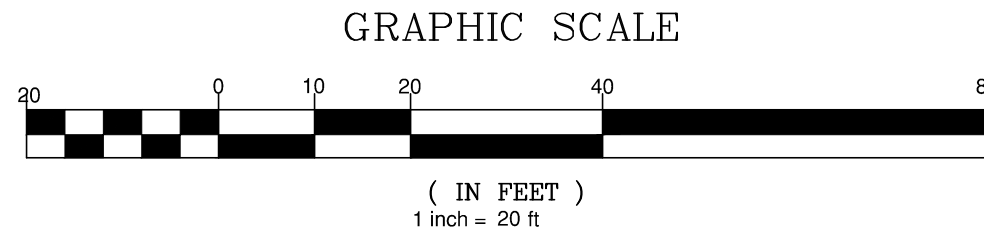
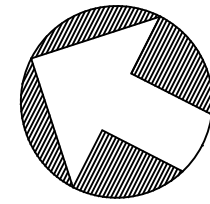
PHASE I

SHEET NO.: **CF 146**

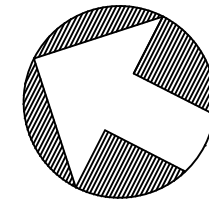
CE-146



INITIAL CULVERT CROSSING FOR STRIPS DRIVE



INTERMEDIATE CULVERT CROSSING FOR STRIPS DRIVE



SEQUENCE FOR CULVERT CROSSING (FOR CLEAN WATER PUMP AROUND)

STAGE 1A CREEK CROSSING INSTALLATION

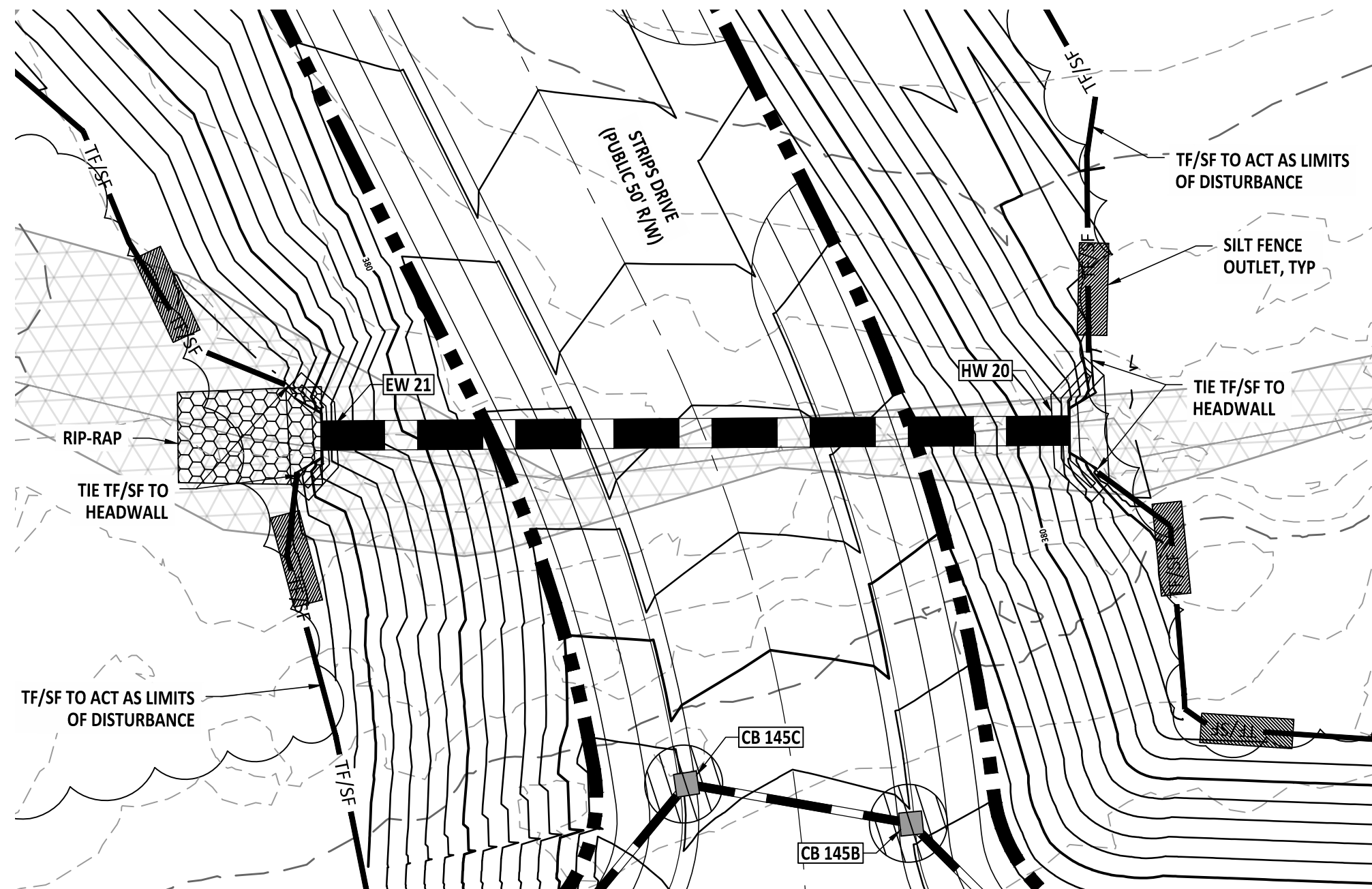
1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.
2. INSTALL THE BRIDGE MAT AND SILT FENCE AS SHOWN IN THE INITIAL STREAM CROSSING.
3. PLACE A TEMPORARY RIP-RAP PAD OR SPLASH PAD AT THE DOWNSTREAM END OF THE TEMPORARY HOSE TO PREVENT EROSION. CONTRACTOR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

STAGE 1B CREEK CROSSING INSTALLATION

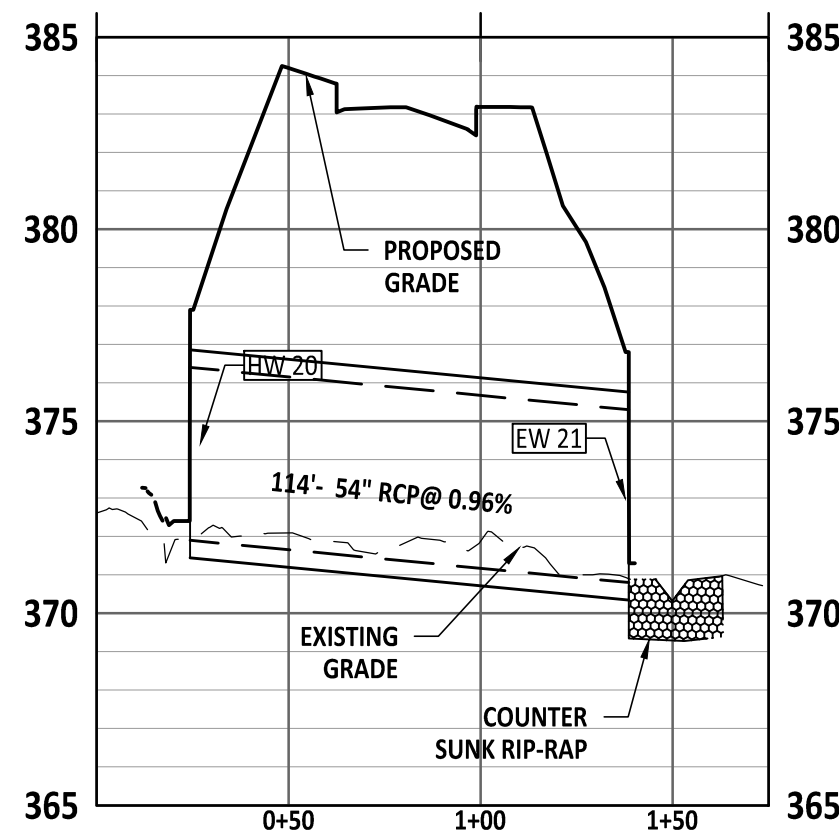
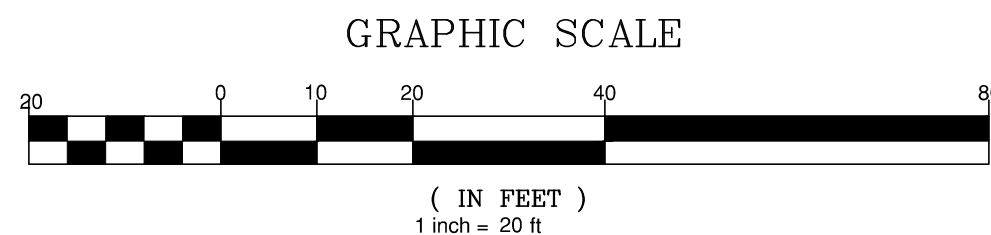
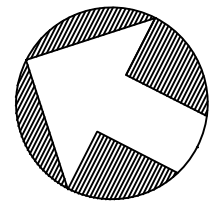
1. OBTAIN PERMISSION FROM THE WAKE COUNTY INSPECTOR TO PROCEED WITH THIS STEP.
2. INSTALL TEMPORARY HOSE AND PUMP AND A SILT BAG TO ALLOW FOR PUMP DOWN OF THE WORK AREA. PUMPS TO BE USED AS NEEDED.
3. ONCE THE STREAM HAS BEEN PUMPED DOWN AND THE SILT FENCE HAS BEEN TIED TO THE SANDBAGS, REMOVE THE SILT 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

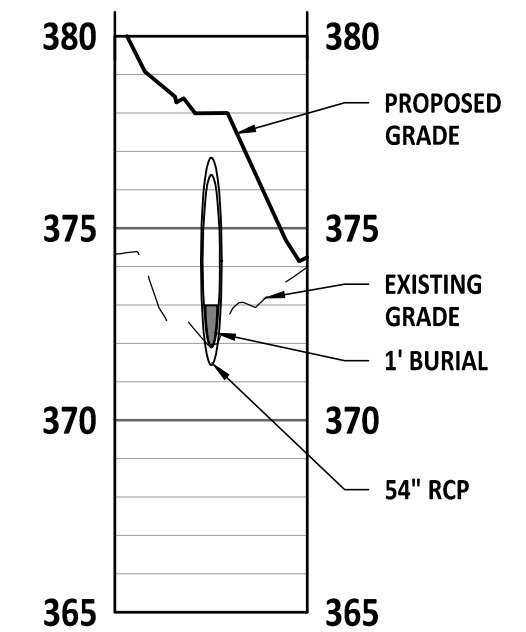
1. UPON COMPLETION OF PIPE INSTALLATION, REMOVE TEMPORARY SANDBAGS ON DOWNSTREAM END.
2. REMOVE TEMPORARY SANDBAGS ON UPSTREAM END.
3. INSTALL SILT FENCE AT THE TOE OF SLOPES AND TIE TO ENDWALLS AS SHOWN ON THIS PLAN.
4. COMPLETE FILL AROUND THE PIPE TO A LEVEL AT LEAST TWO (2) FEET ABOVE THE TOP OF 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.



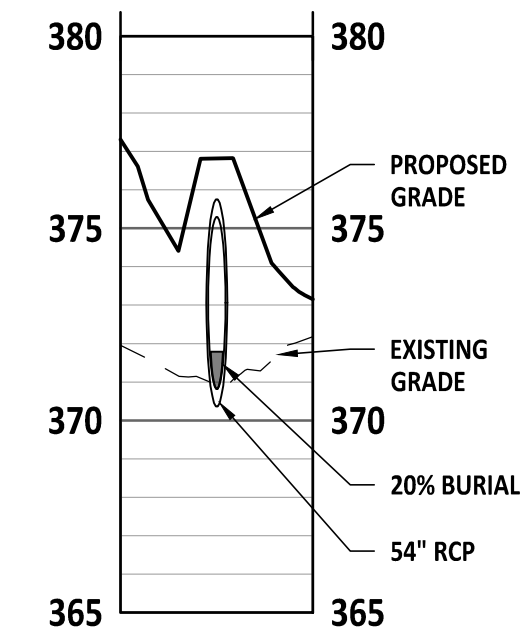
FINAL CULVERT CROSSING FOR STRIPS DRIVE



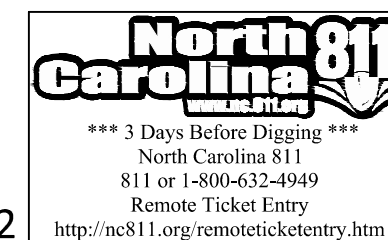
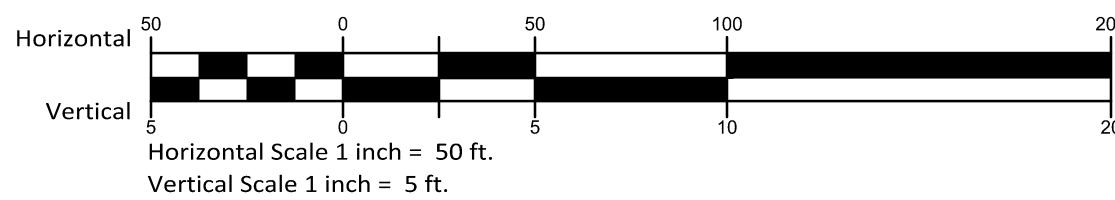
CULVERT CROSS SECTION



CULVERT CROSSING SECTION VIEW (UPSTREAM END)



CULVERT CROSSING SECTION VIEW (DOWNSTREAM END)



PROJECT NUMBER = CID-25-02

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREIN, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL CULVERT CROSSING PHASE 1
ROLESVILLE RD
WAKE COUNTY NC 27312

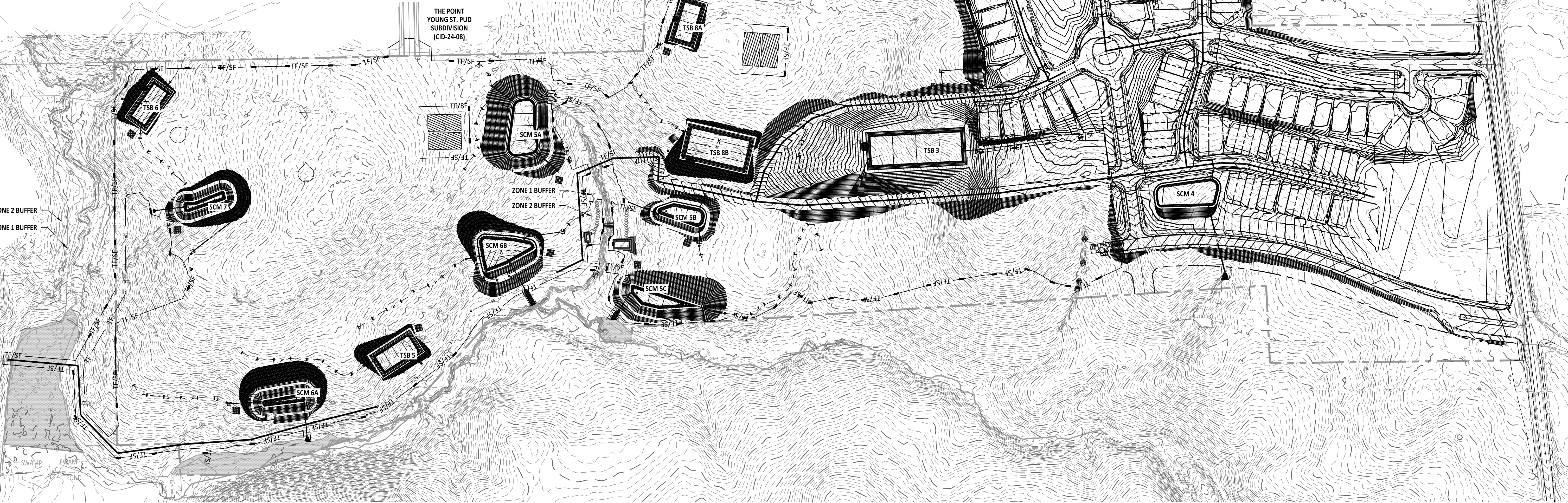
JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025

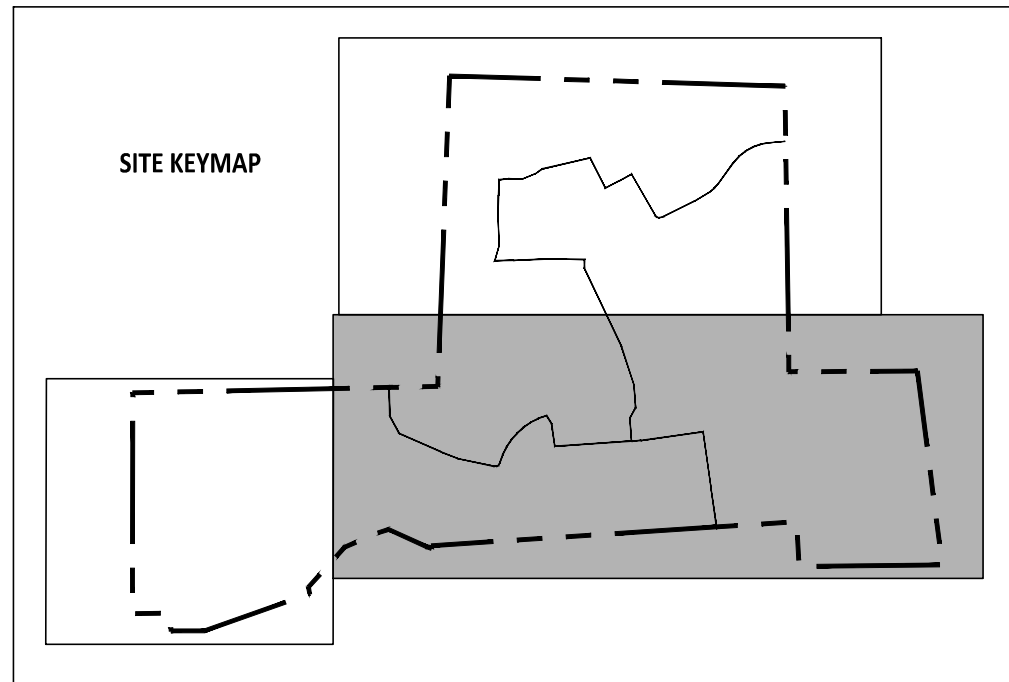
SHEET TITLE:
EROSION CONTROL CULVERT CROSSING PHASE 1

SHEET NO.:
CE-147

EROSION 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
TD	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
■	FUTURE PHASE 2 & 3	N/A

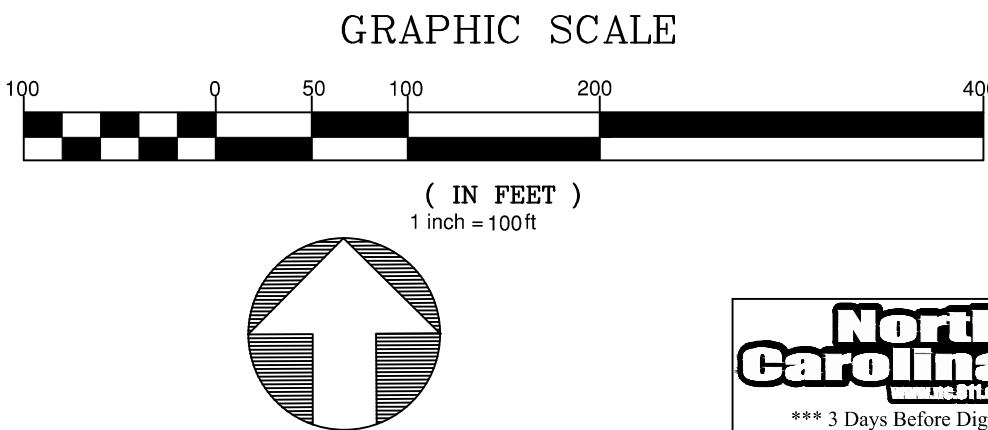
SITE LEGEND	
---	PROPERTY BOUNDARY
---	NEUSE RIVER BUFFER ZONE 1
---	NEUSE RIVER BUFFER ZONE 2
LOD	LIMITS OF DISTURBANCE
■	WETLANDS





SITE LEGEND	
	PROPERTY BOUNDARY
	NEUSE RIVER BUFFER ZONE 1
	NEUSE RIVER BUFFER ZONE 2
	LIMITS OF DISTURBANCE
	WETLANDS

- GENERAL NOTES:**
1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 2. SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



North Carolina 811
www.nc811.org

*** 3 Days Before Digging ***

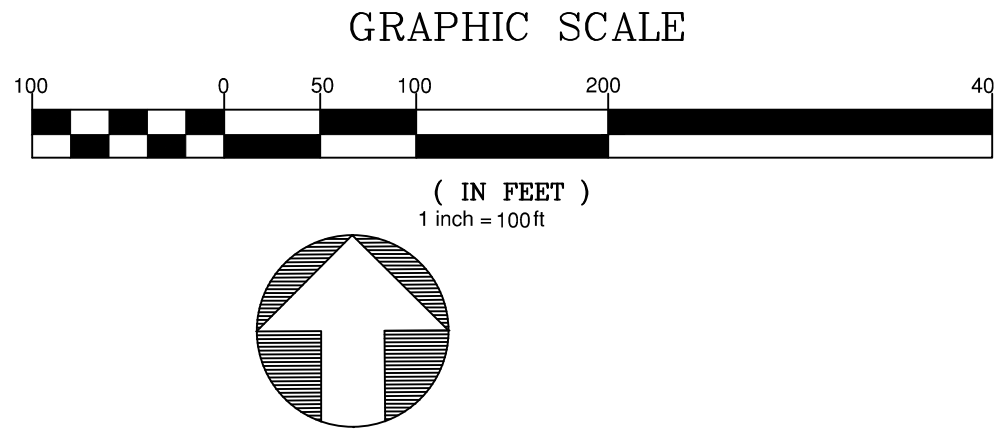
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

[illegible]

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON CONTEMPORANEOUSLY WITH ITS ISSUANCE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 1
ROLESVILLE RD
WAKE COUNTY NC 27312

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 1	
SHEET NO.:	
CE-201	



SITE LEGEND	
	PROPERTY BOUNDARY
	NEUSE RIVER BUFFER ZONE 1
	NEUSE RIVER BUFFER ZONE 2
	LIMITS OF DISTURBANCE
	WETLANDS

PROJECT NUMBER = CID-25-02

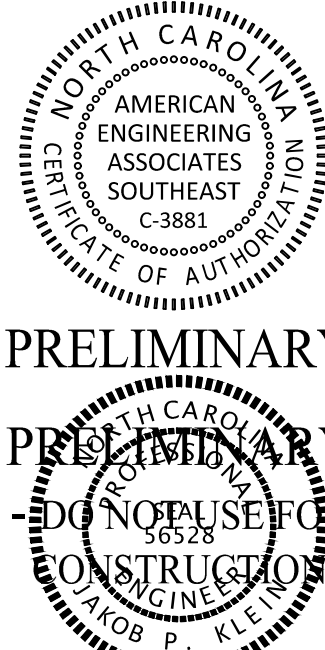


MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 1
ROLESVILLE RD
WAKE COUNTY NC 27312

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**

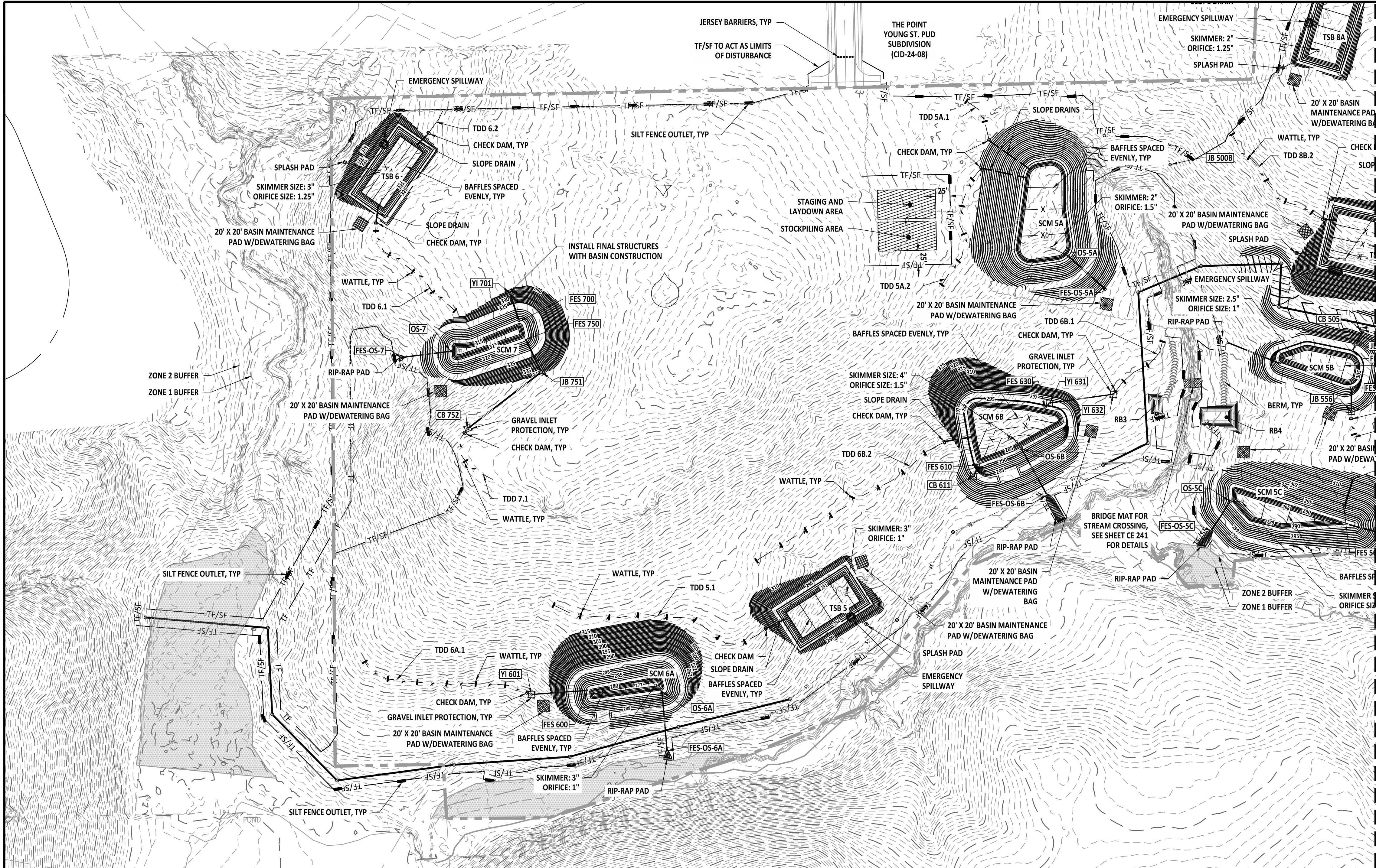
SHEET NO.: **CE-202**



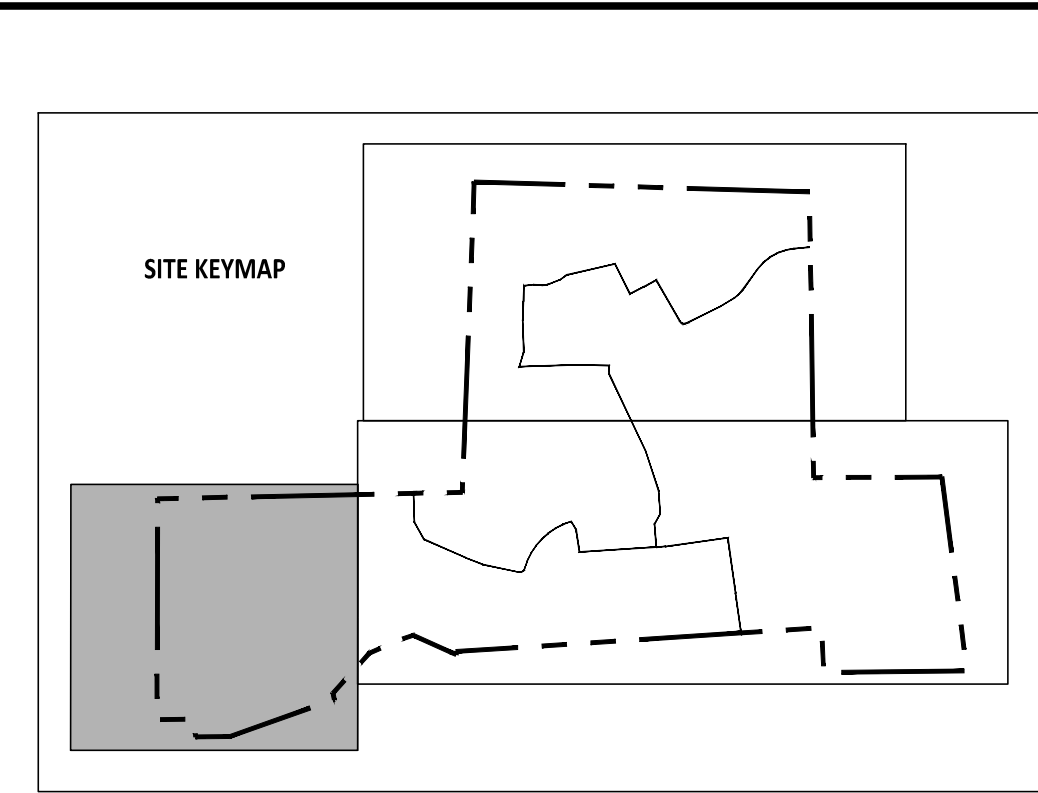
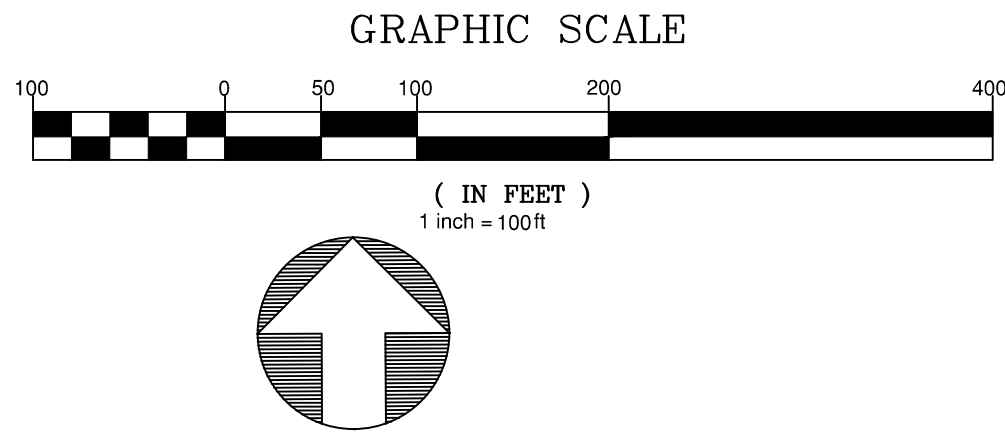
FOR INFORMATION, ONLY

Z:\b\13-0008 Merritt Property\BID\Draw\Working\Draw\Sheet\Construction Set\20, CE-201 Erosion Control (LOD) Sheet.dwg

2025-07-01



- GENERAL NOTES:
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 - SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



EROSION CONTROL LEGEND		REFERENCE DETAIL
	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
	LIMITS OF DISTURBANCE	SEE PLANS
	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
	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
	FUTURE PHASE 2 & 3	N/A

SITE LEGEND	
	PROPERTY BOUNDARY
	NEUSE RIVER BUFFER ZONE 1
	NEUSE RIVER BUFFER ZONE 2
	LIMITS OF DISTURBANCE
	WETLANDS

NO.	DATE	REVISION:
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 1
ROLESVILLE RD
WAKE COUNTY NC 27312

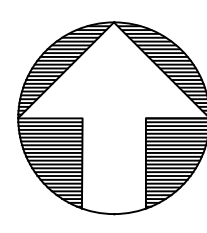
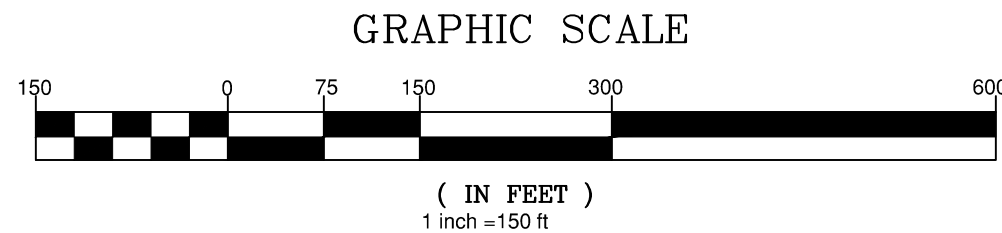
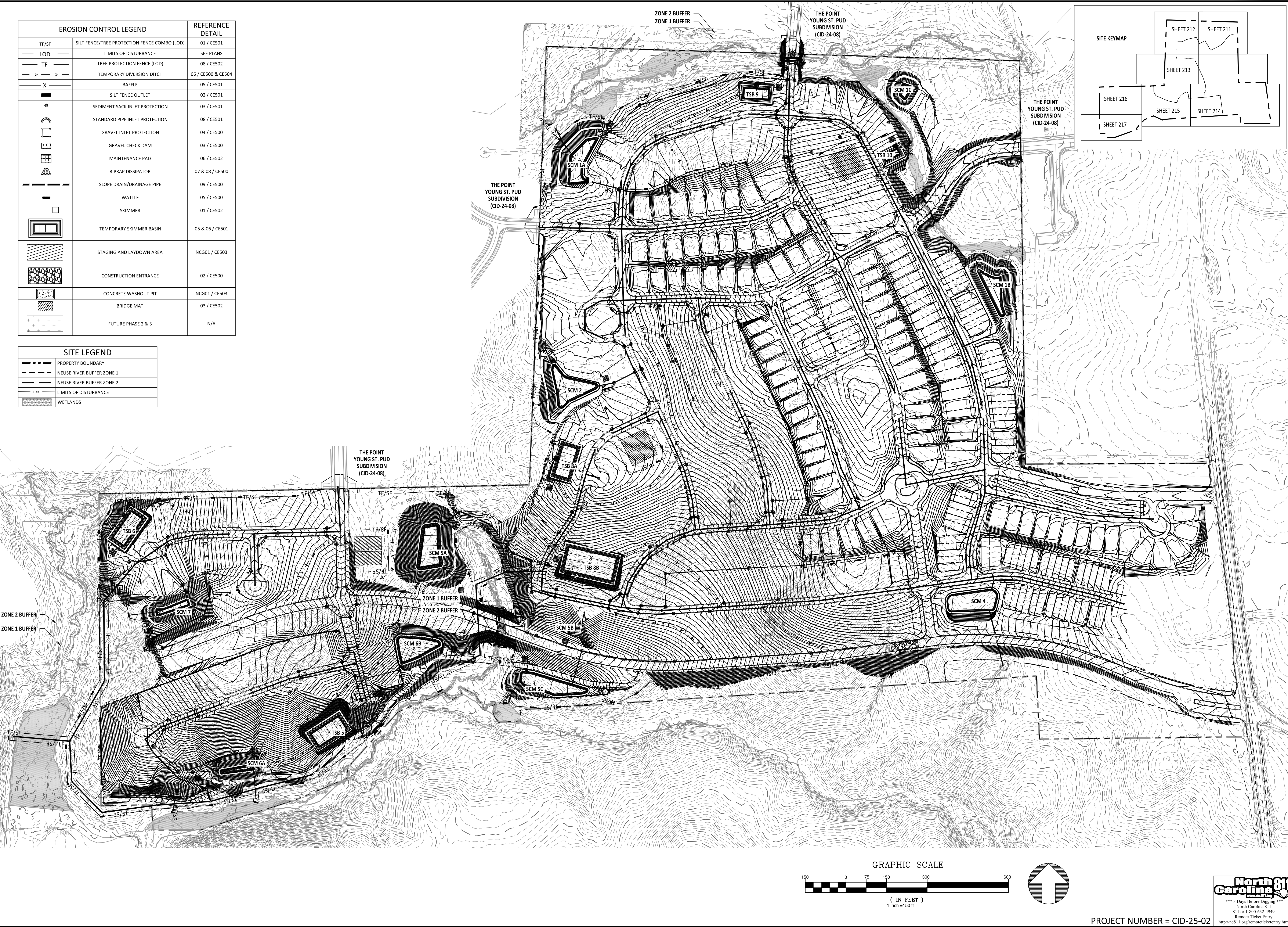
JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025

SHEET TITLE:
**EROSION
CONTROL PHASE
2 & 3 STAGE 1**

SHEET NO.:
CE-203

EROSION 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
•	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
+	FUTURE PHASE 2 & 3	N/A

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



North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4939
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

AMERICAN Engineering
American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
919-469-1101

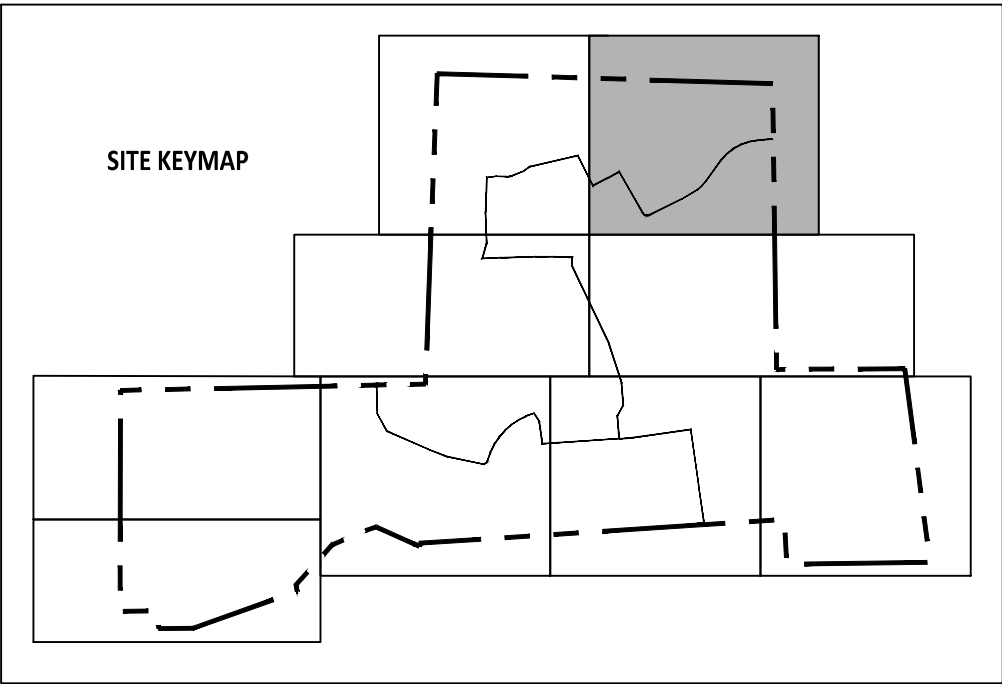
PRELIMINARY
PRELIMINARY
NOT FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL PHASE 2 & 3
STAGE 2 OVERALL
ROLESVILLE RD
WAKE COUNTY NC 27312

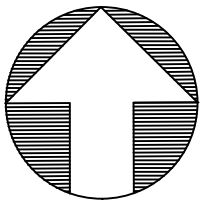
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025
SHEET TITLE:	EROSION CONTROL PHASE 2 & 3 STAGE 2 OVERALL
SHEET NO.:	CE-210



EROSION 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	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
X	BAFFLE	05 / CE501
SILT FENCE OUTLET	SILT FENCE OUTLET	02 / CE501
SEDIMENT SACK INLET PROTECTION	SEDIMENT SACK INLET PROTECTION	03 / CE501
STANDARD PIPE INLET PROTECTION	STANDARD PIPE INLET PROTECTION	08 / CE501
GRAVEL INLET PROTECTION	GRAVEL INLET PROTECTION	04 / CE500
GRAVEL CHECK DAM	GRAVEL CHECK DAM	03 / CE500
MAINTENANCE PAD	MAINTENANCE PAD	06 / CE502
RIPRAP DISSIPATOR	RIPRAP DISSIPATOR	07 & 08 / CE500
SLOPE DRAIN/DRAINAGE PIPE	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
WATTLE	WATTLE	05 / CE500
SKIMMER	SKIMMER	01 / CE502
TEMPORARY SKIMMER BASIN	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
STAGING AND LAYDOWN AREA	STAGING AND LAYDOWN AREA	NCG01 / CE503
CONSTRUCTION ENTRANCE	CONSTRUCTION ENTRANCE	02 / CE500
CONCRETE WASHOUT PIT	CONCRETE WASHOUT PIT	NCG01 / CE503
BRIDGE MAT	BRIDGE MAT	03 / CE502
FUTURE PHASE 2 & 3	FUTURE PHASE 2 & 3	N/A

SITE LEGEND	
PROPERTY BOUNDARY	
NEUSE RIVER BUFFER ZONE 1	
NEUSE RIVER BUFFER ZONE 2	
LIMITS OF DISTURBANCE	
WETLANDS	

- GENERAL NOTES:
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT. WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 - SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



PROJECT NUMBER = CID-25-02



PRELIMINARY
NOT FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

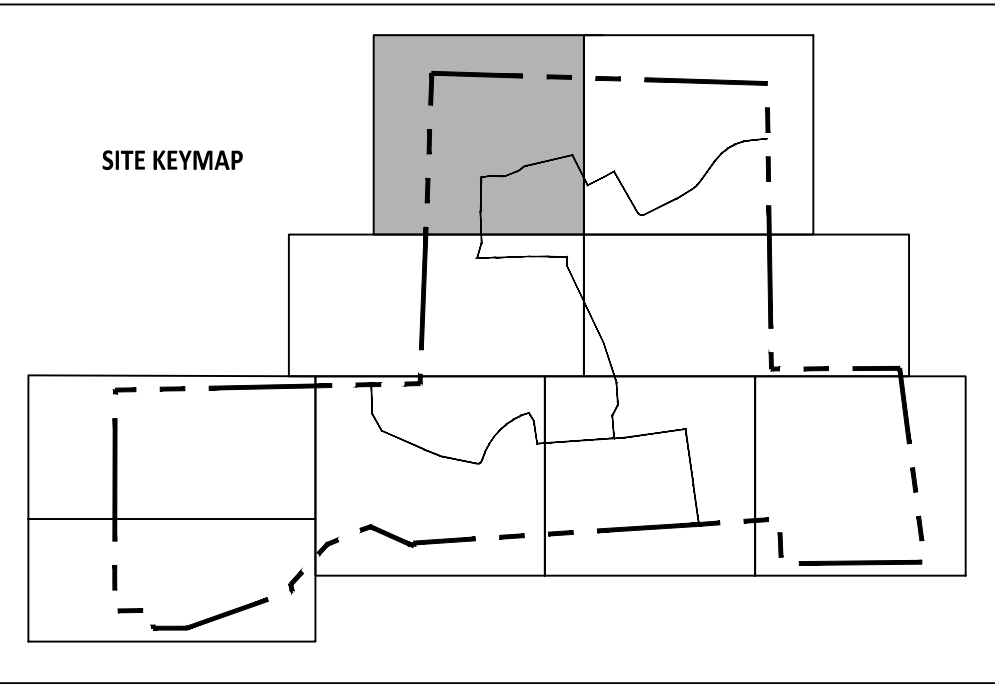
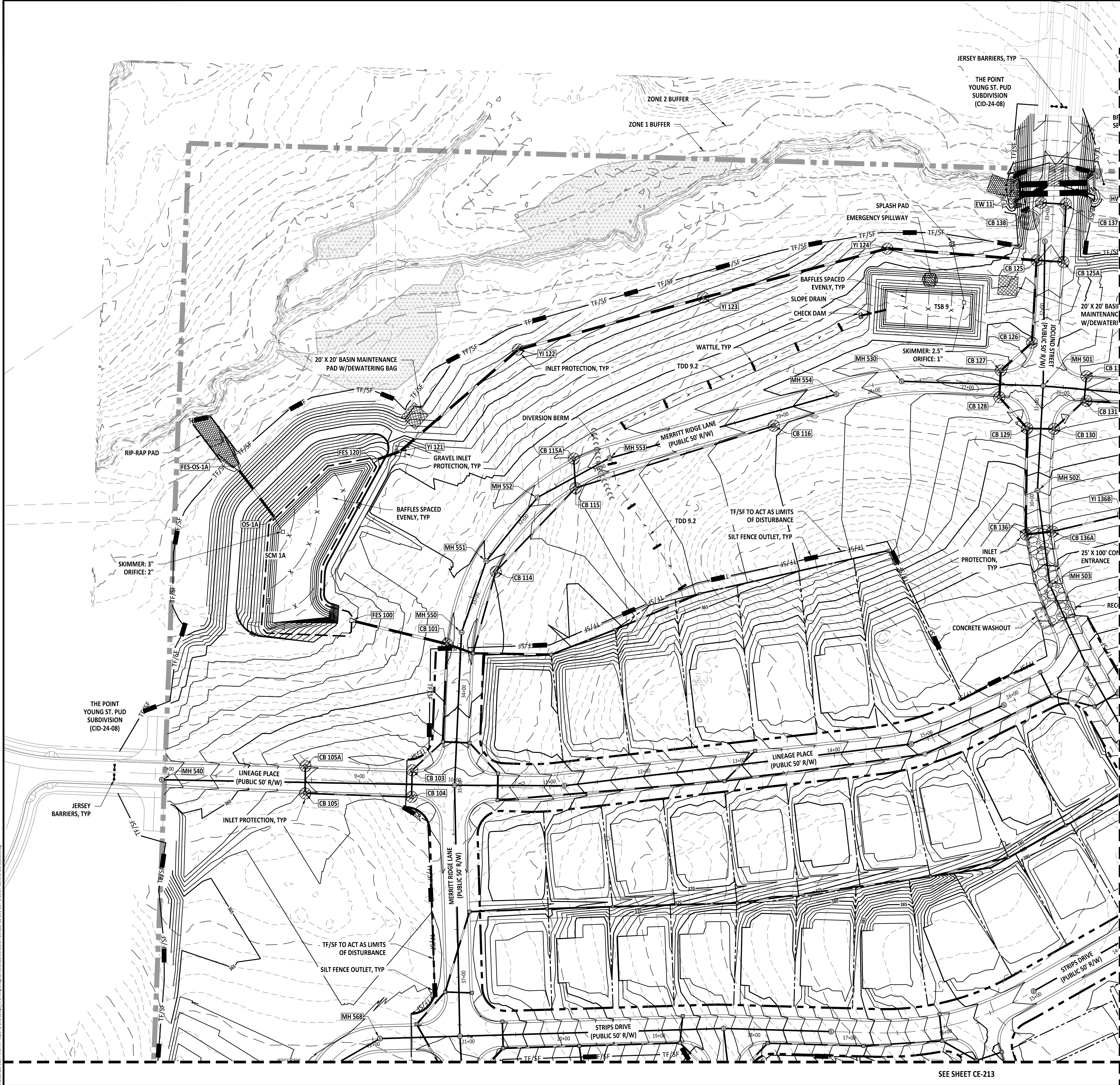
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

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 2

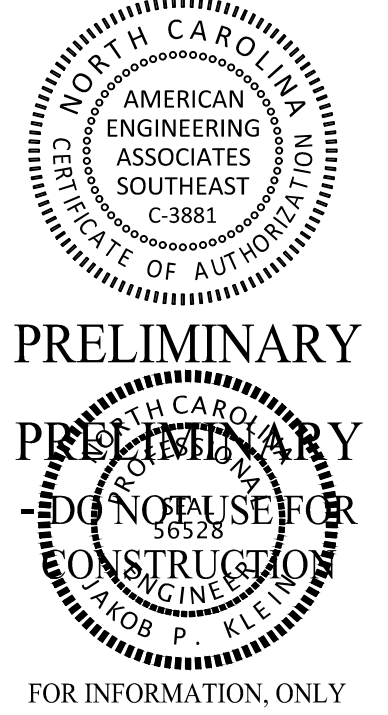
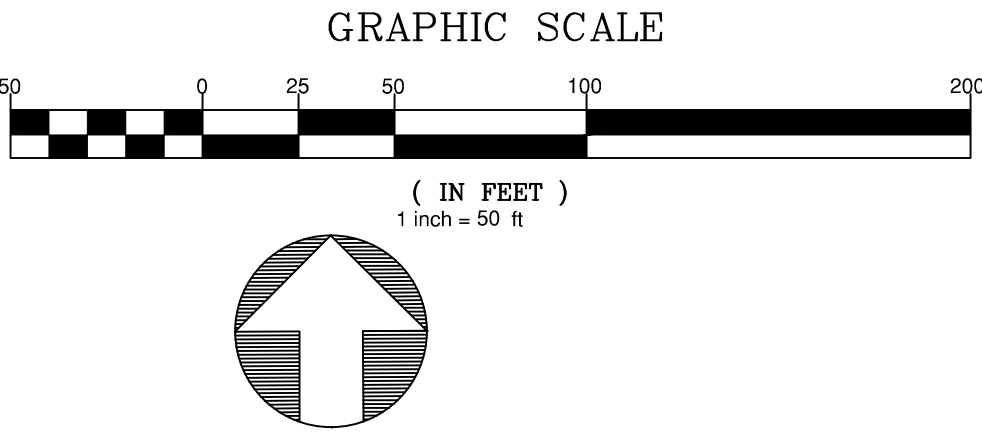
SHEET NO.: CE-211



EROSION 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
●	SEDIMENT SACK INLET PROTECTION	03 / CE501
—○—	STANDARD PIPE INLET PROTECTION	08 / CE501
—□—	GRAVEL INLET PROTECTION	04 / CE500
—X—X—	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
—■—■—	FUTURE PHASE 2 & 3	N/A

SITE LEGEND	
---	PROPERTY BOUNDARY
---	NEUSE RIVER BUFFER ZONE 1
---	NEUSE RIVER BUFFER ZONE 2
---	LIMITS OF DISTURBANCE
---	WETLANDS

- GENERAL NOTES:
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT. WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 - SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



NO.	DATE	REVISION	REVISION SET
1	07/01/25	FIRST REVISION SET	

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

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

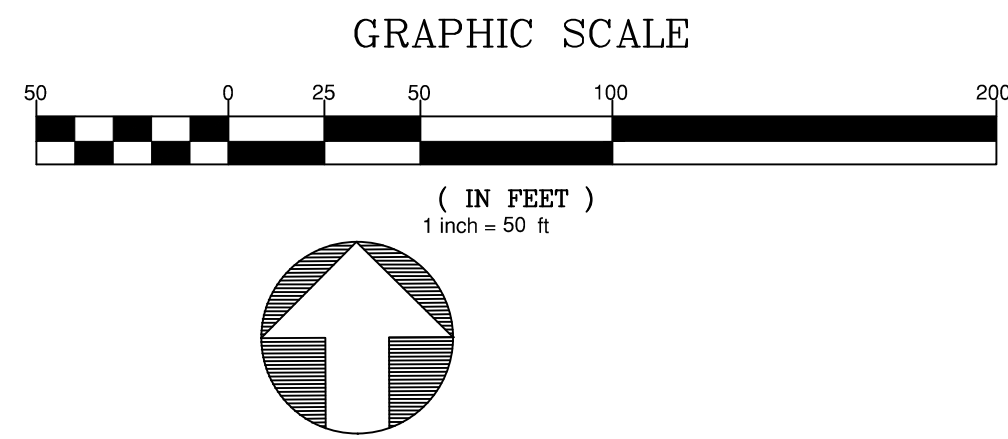
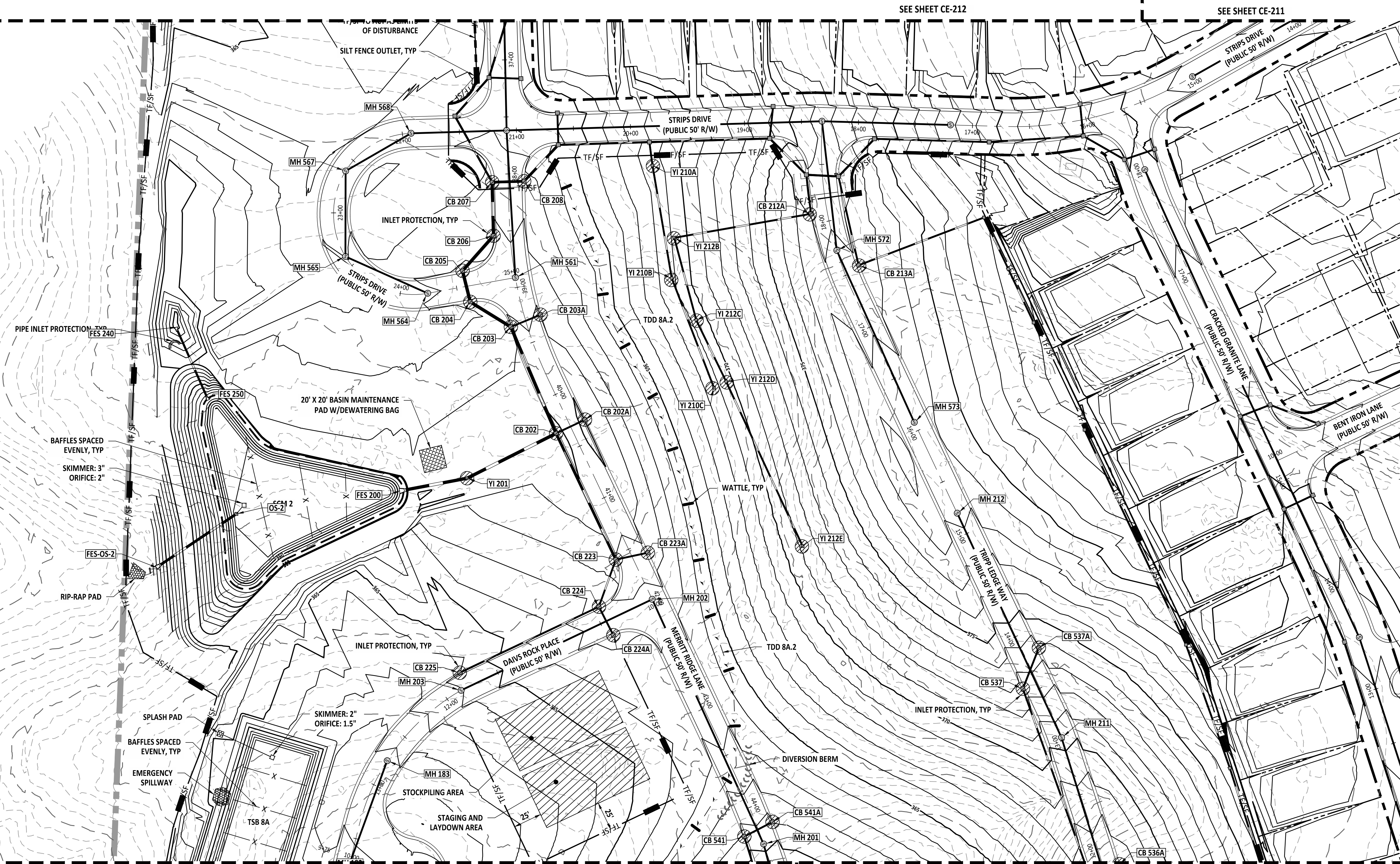
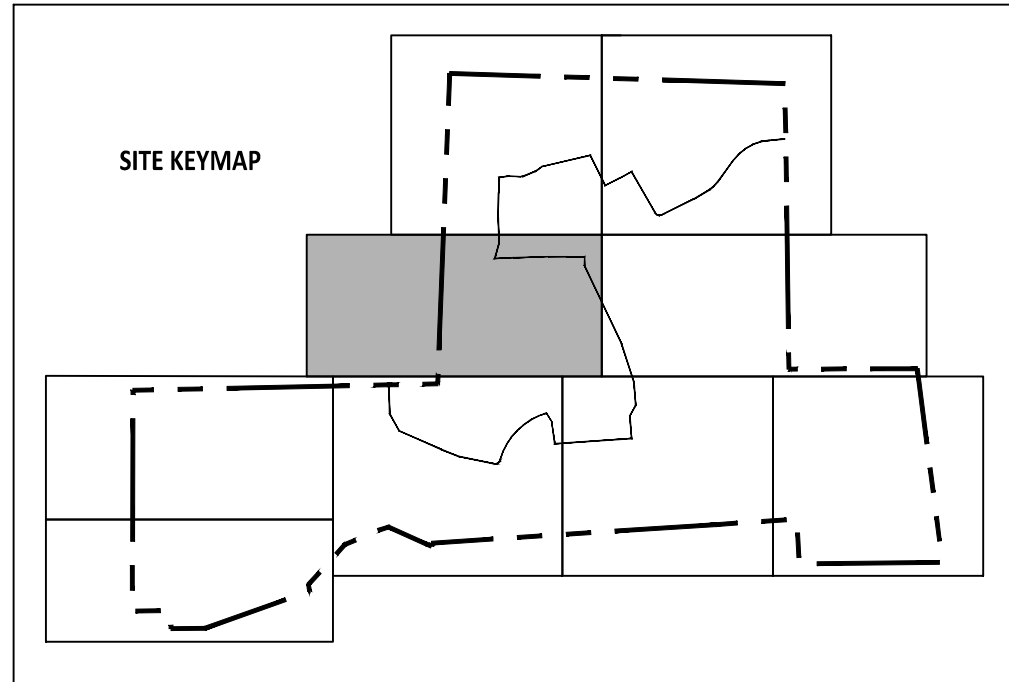
SHEET NO.:
CE-212

Z:\Jobs\13-0008 Merritt Property\811\Draws\Working\Draws\Sheet\Construction\Set\22_CE-213-214 Erosion Control\100 Scale.dwg

2025-07-01

EROSION CONTROL LEGEND		REFERENCE DETAIL
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CES01
LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CES02
TD	TEMPORARY DIVERSION DITCH	06 / CES00 & CES04
X	BAFFLE	05 / CES01
—	SILT FENCE OUTLET	02 / CES01
•	SEDIMENT SACK INLET PROTECTION	03 / CES01
⌋	STANDARD PIPE INLET PROTECTION	08 / CES01
□	GRAVEL INLET PROTECTION	04 / CES00
⌋	GRAVEL CHECK DAM	03 / CES00
⌋	MAINTENANCE PAD	06 / CES02
⌋	RIPRAP DISSIPATOR	07 & 08 / CES00
—	SLOPE DRAIN/DRAINAGE PIPE	09 / CES00
—	WATTLE	05 / CES00
—	SKIMMER	01 / CES02
⌋	TEMPORARY SKIMMER BASIN	05 & 06 / CES01
⌋	STAGING AND LAYDOWN AREA	NGC01 / CES03
⌋	CONSTRUCTION ENTRANCE	02 / CES00
⌋	CONCRETE WASHOUT PIT	NGC01 / CES03
⌋	BRIDGE MAT	03 / CES02
+	FUTURE PHASE 2 & 3	N/A

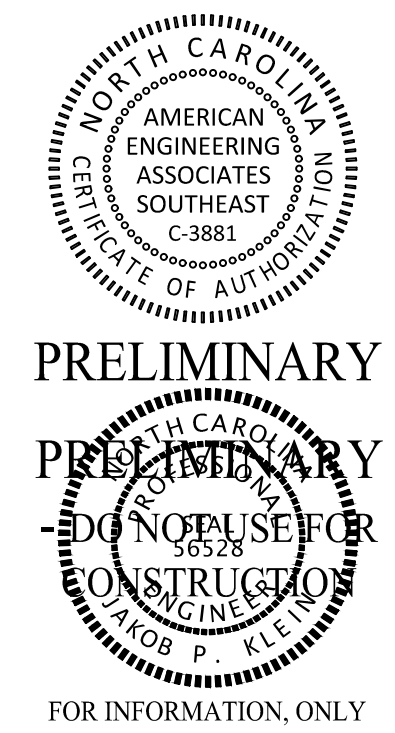
SITE LEGEND	
---	PROPERTY BOUNDARY
---	NEUSE RIVER BUFFER ZONE 1
---	NEUSE RIVER BUFFER ZONE 2
---	LIMITS OF DISTURBANCE
⌋	WETLANDS



- GENERAL NOTES:
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 - SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



PROJECT NUMBER = CID-25-02



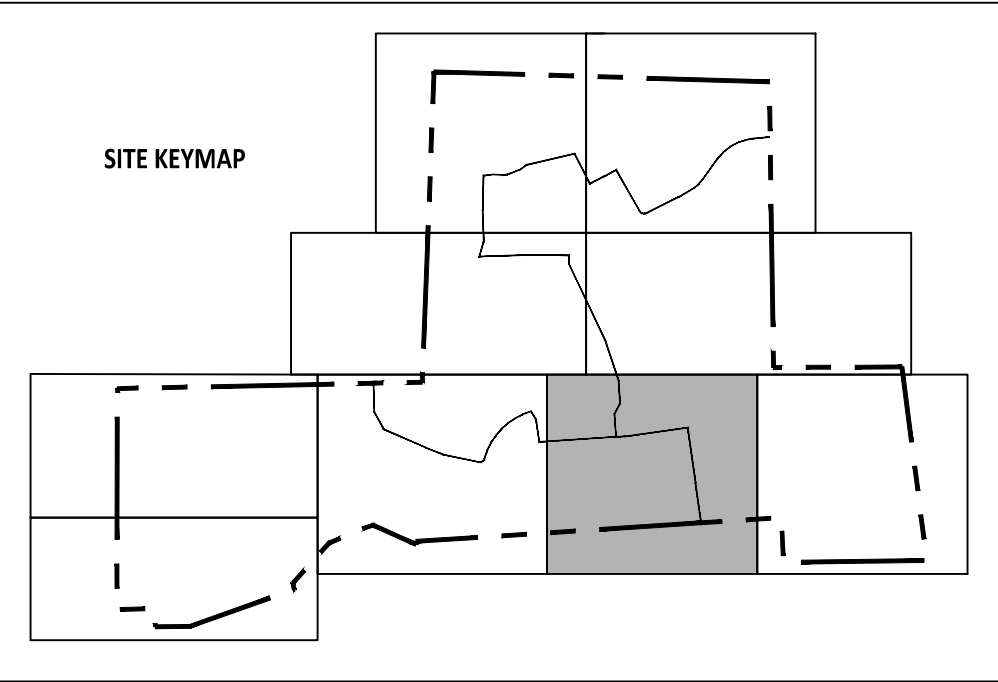
NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREIN, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

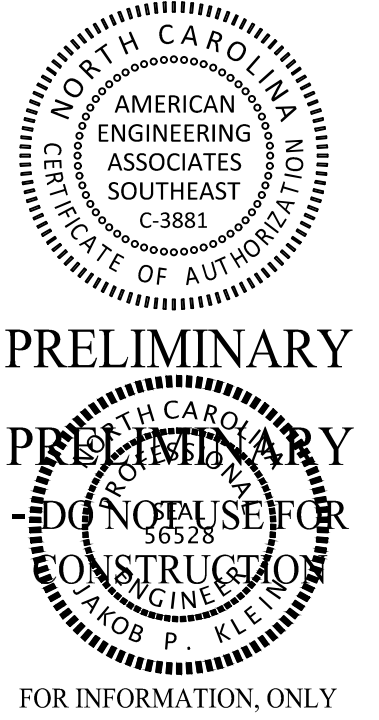
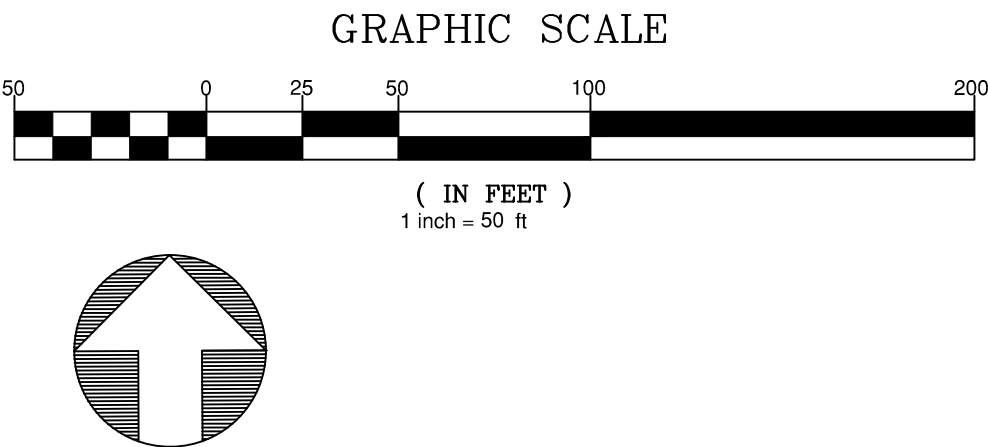
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025
SHEET TITLE:	EROSION CONTROL PHASE 2 & 3 STAGE 2
SHEET NO.:	CE-213



EROSION 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
TD	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
⌋	FUTURE PHASE 2 & 3	N/A

SITE LEGEND	
---	PROPERTY BOUNDARY
---	NEUSE RIVER BUFFER ZONE 1
---	NEUSE RIVER BUFFER ZONE 2
---	LIMITS OF DISTURBANCE
---	WETLANDS

- GENERAL NOTES:
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT. WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 - SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET NO.:
CE-214

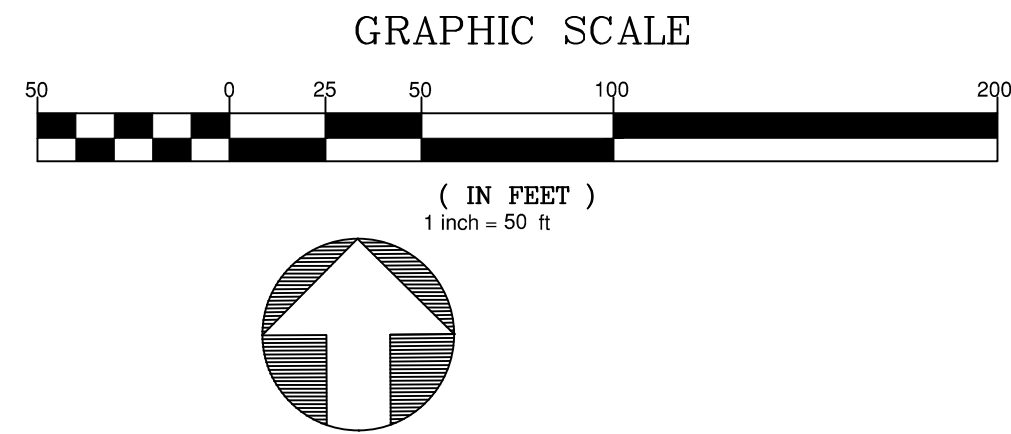
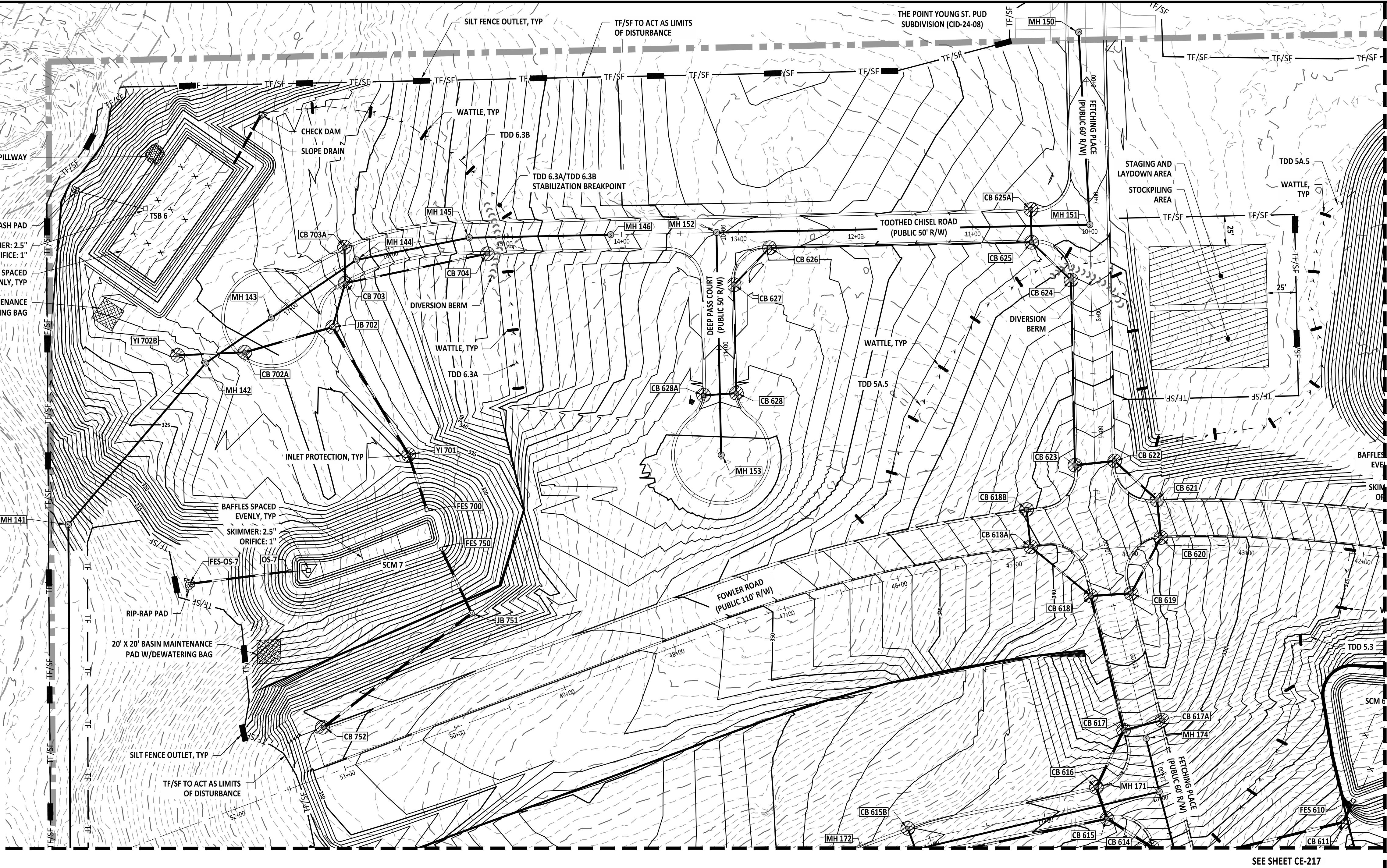
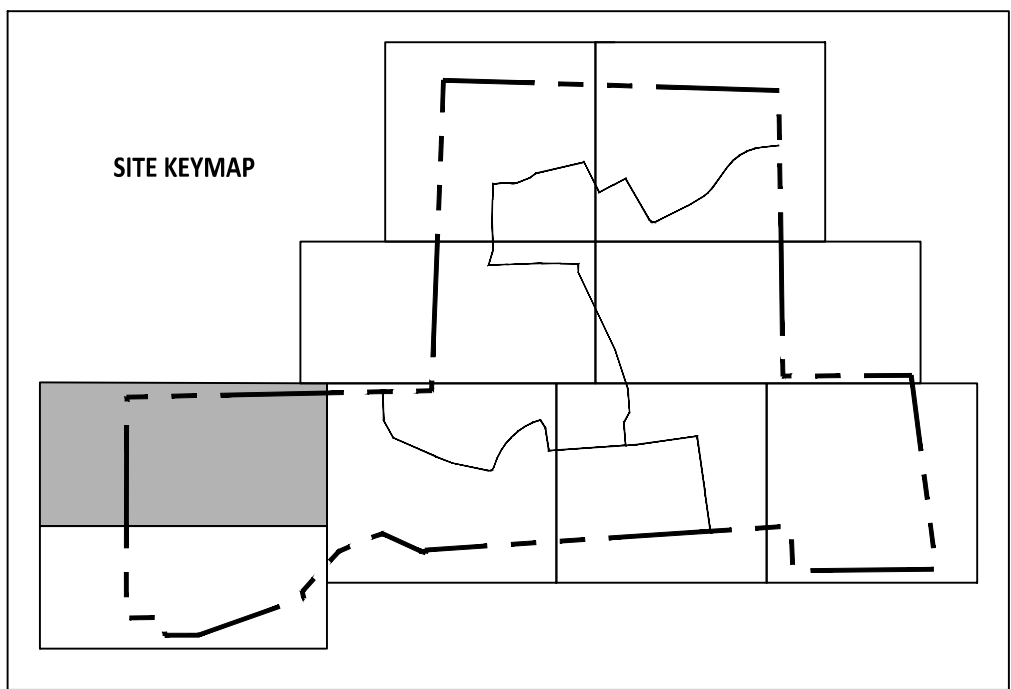
PROJECT NUMBER = CID-25-02

Z:\06\13-0008 Merritt Property (8/10/2021) Working Draw (Sheet) Construction Set\23, CE-215-218 Erosion Control (ISO) Scaled.dwg

2025-07-01

EROSION 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
●	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
+	FUTURE PHASE 2 & 3	N/A

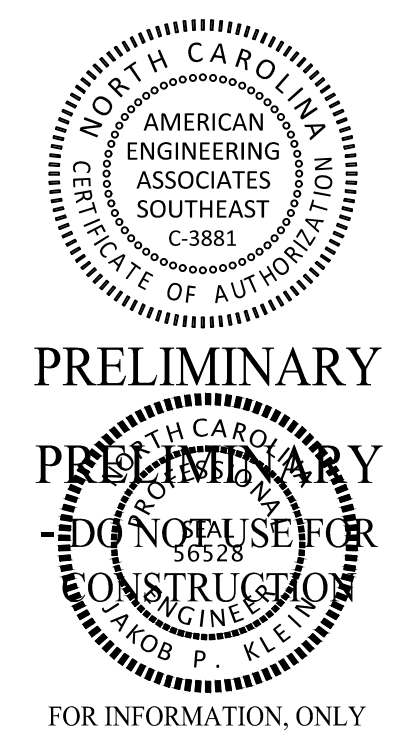
SITE LEGEND	
---	PROPERTY BOUNDARY
---	NEUSE RIVER BUFFER ZONE 1
---	NEUSE RIVER BUFFER ZONE 2
LOD	LIMITS OF DISTURBANCE
■	WETLANDS



- GENERAL NOTES:
1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 2. SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



PROJECT NUMBER = CID-25-02



FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

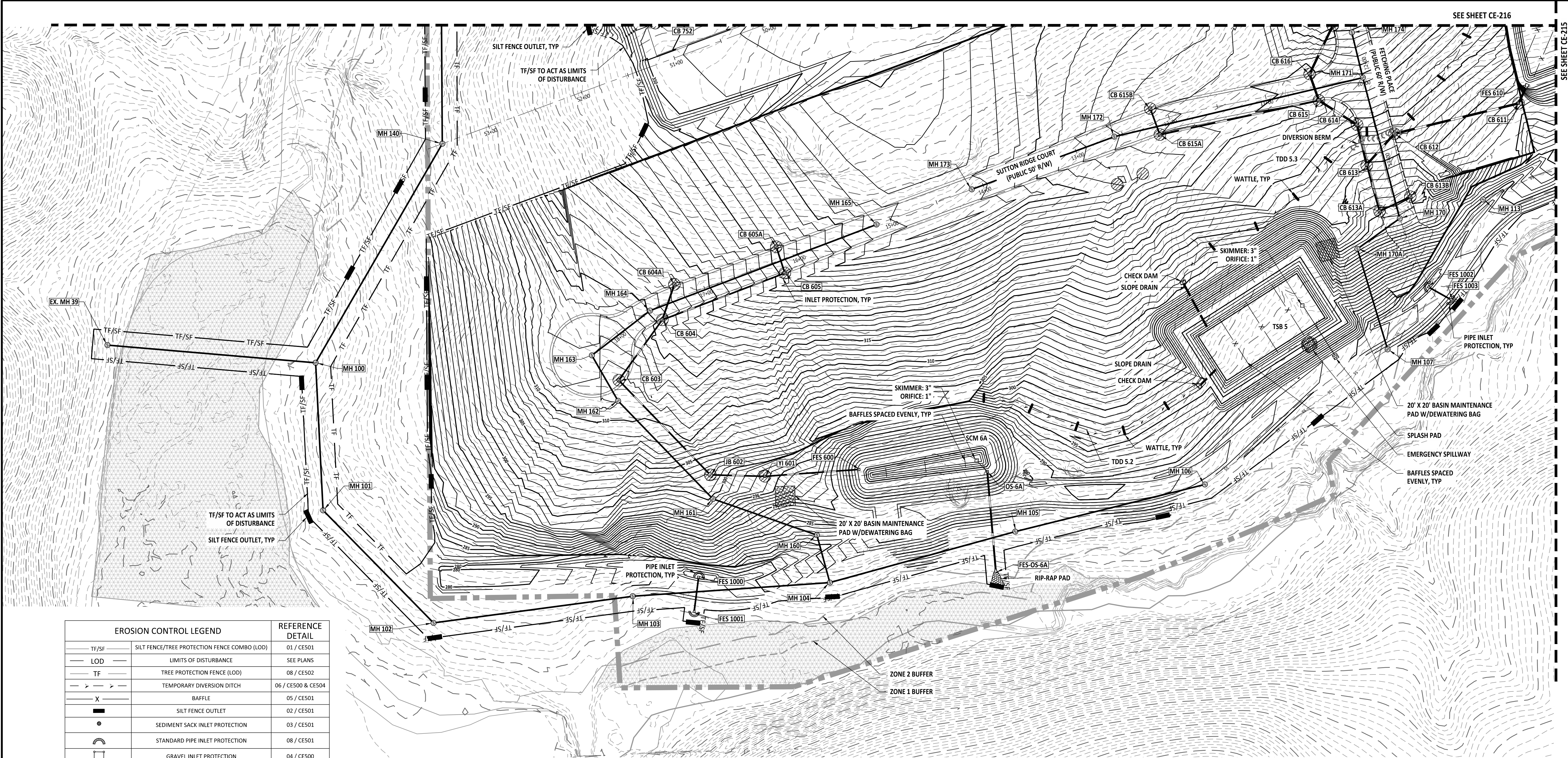
MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

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

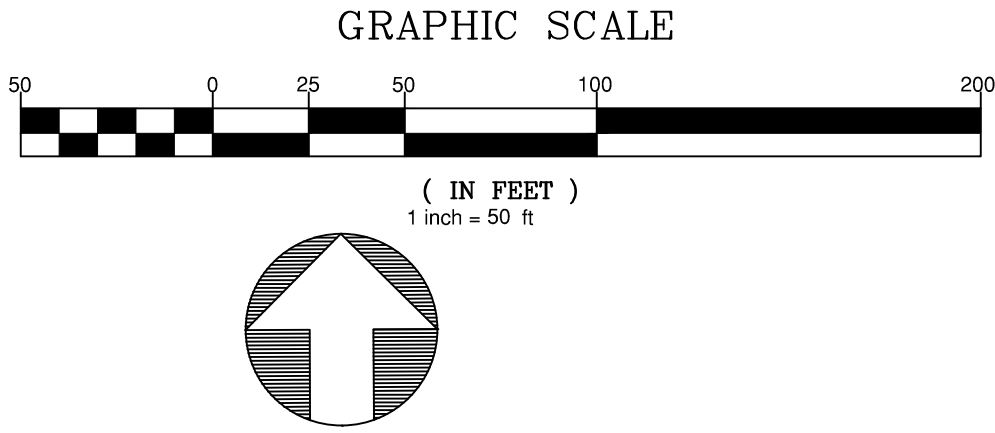
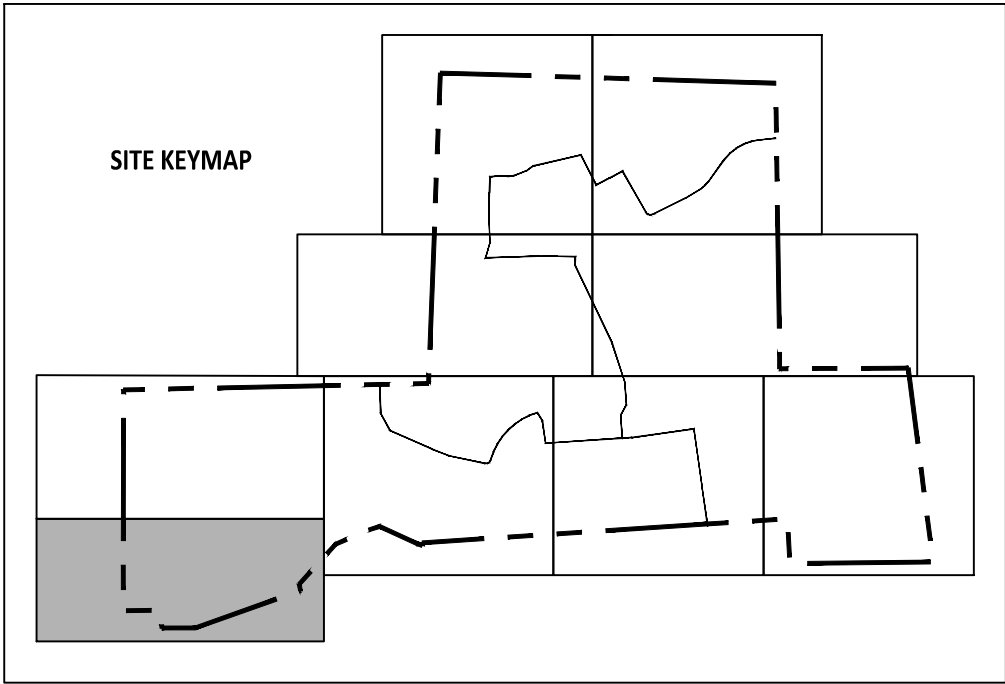
SHEET NO.:
CE-216

Z:\06\13-0008 Merritt Property 810\Draws\Working\Draw Sheets\Construction Set\23_CE-215-218 Erosion Control\150 Scale.dwg
2025-07-01

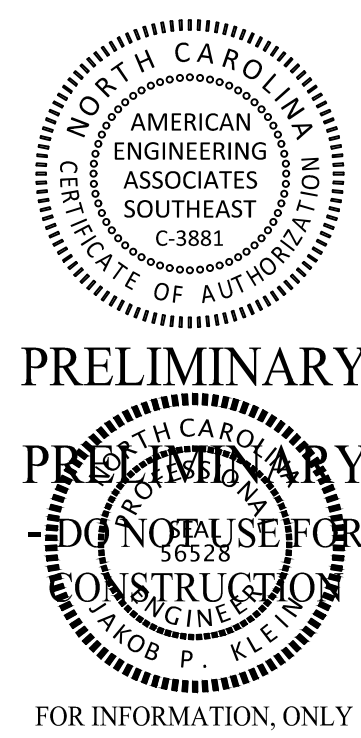


EROSION CONTROL LEGEND		REFERENCE DETAIL
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
---	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
X	BAFFLE	05 / CE501
■	SILT FENCE OUTLET	02 / CE501
●	SEDIMENT SACK INLET 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
+	FUTURE PHASE 2 & 3	N/A

SITE LEGEND	
---	PROPERTY BOUNDARY
---	NEUSE RIVER BUFFER ZONE 1
---	NEUSE RIVER BUFFER ZONE 2
---	LIMITS OF DISTURBANCE
▨	WETLANDS



- GENERAL NOTES:
- ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.
 - SEE SHEET G-005 FOR TEMPORARY DIVERSION DITCH (TDD) AND SLOPE DRAIN SIZING SCHEDULE.



PRELIMINARY
PRELIMINARY
DO NOT USE FOR
CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

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

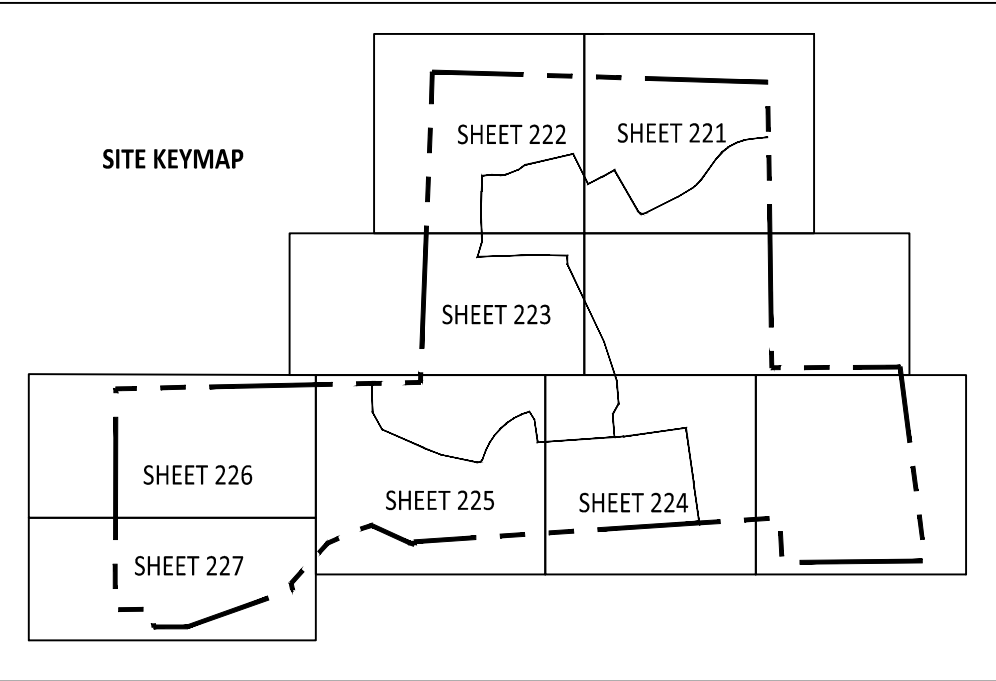
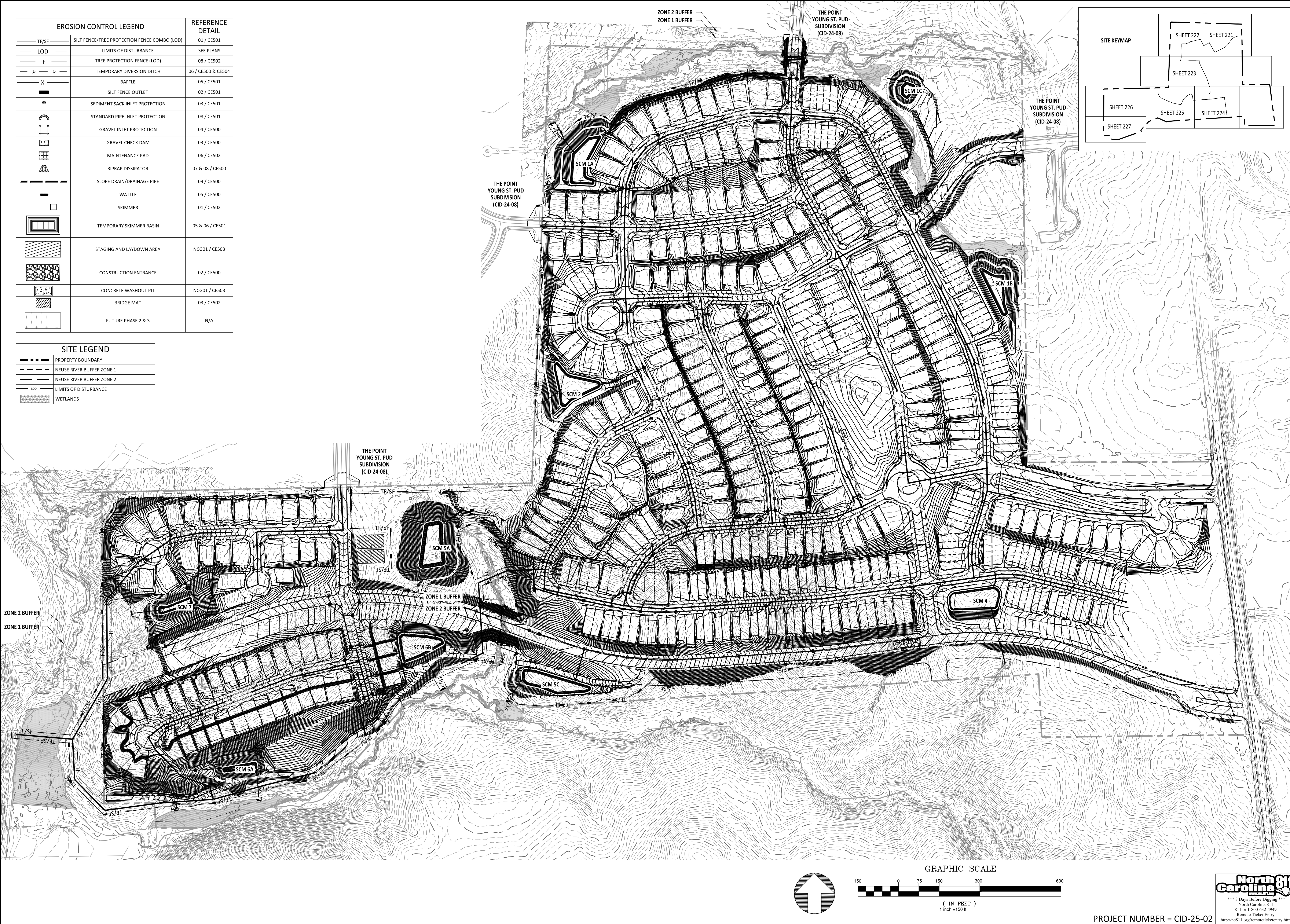
SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:
CE-217

PROJECT NUMBER = CID-25-02

EROSION 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
●	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
+	FUTURE PHASE 2 & 3	N/A

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



AMERICAN
Engineering
American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
919-469-1101

PRELIMINARY
PRELIMINARY
NOT FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

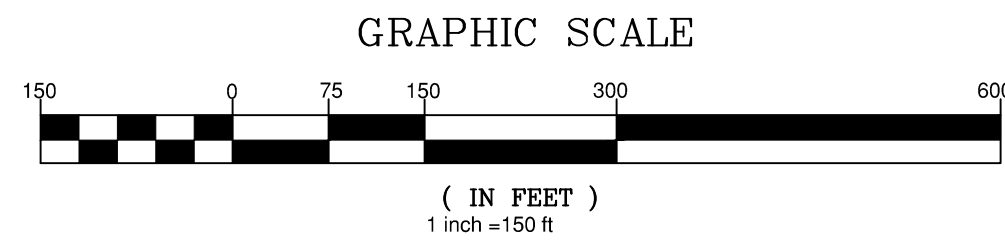
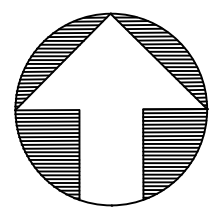
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREIN, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL PHASE 2 & 3
STAGE 3 OVERALL
ROLESVILLE RD
WAKE COUNTY NC 27312

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

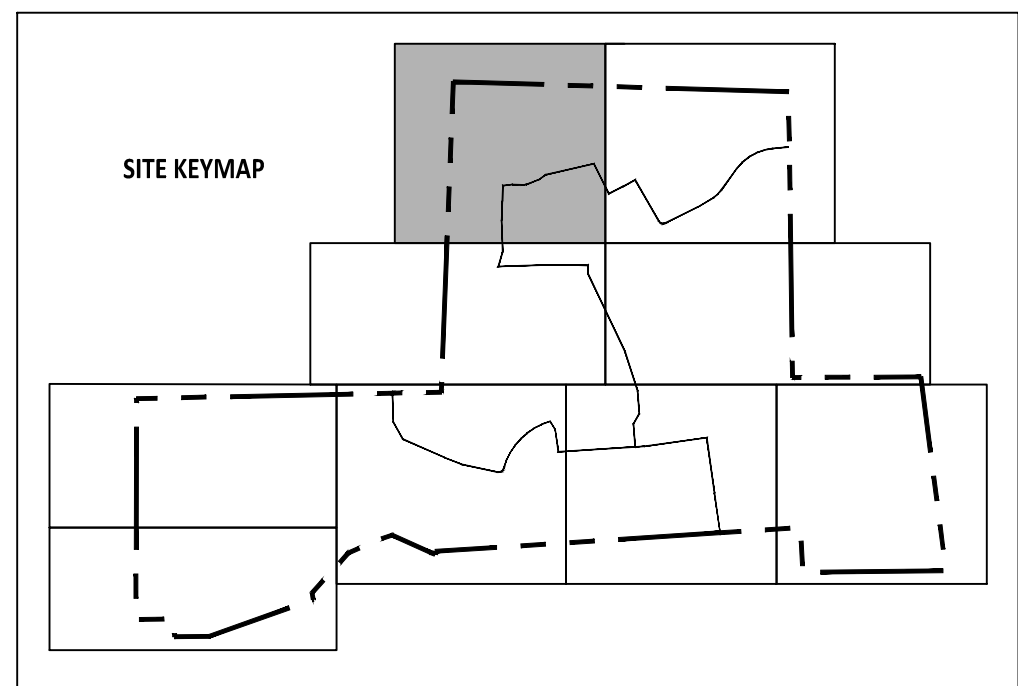
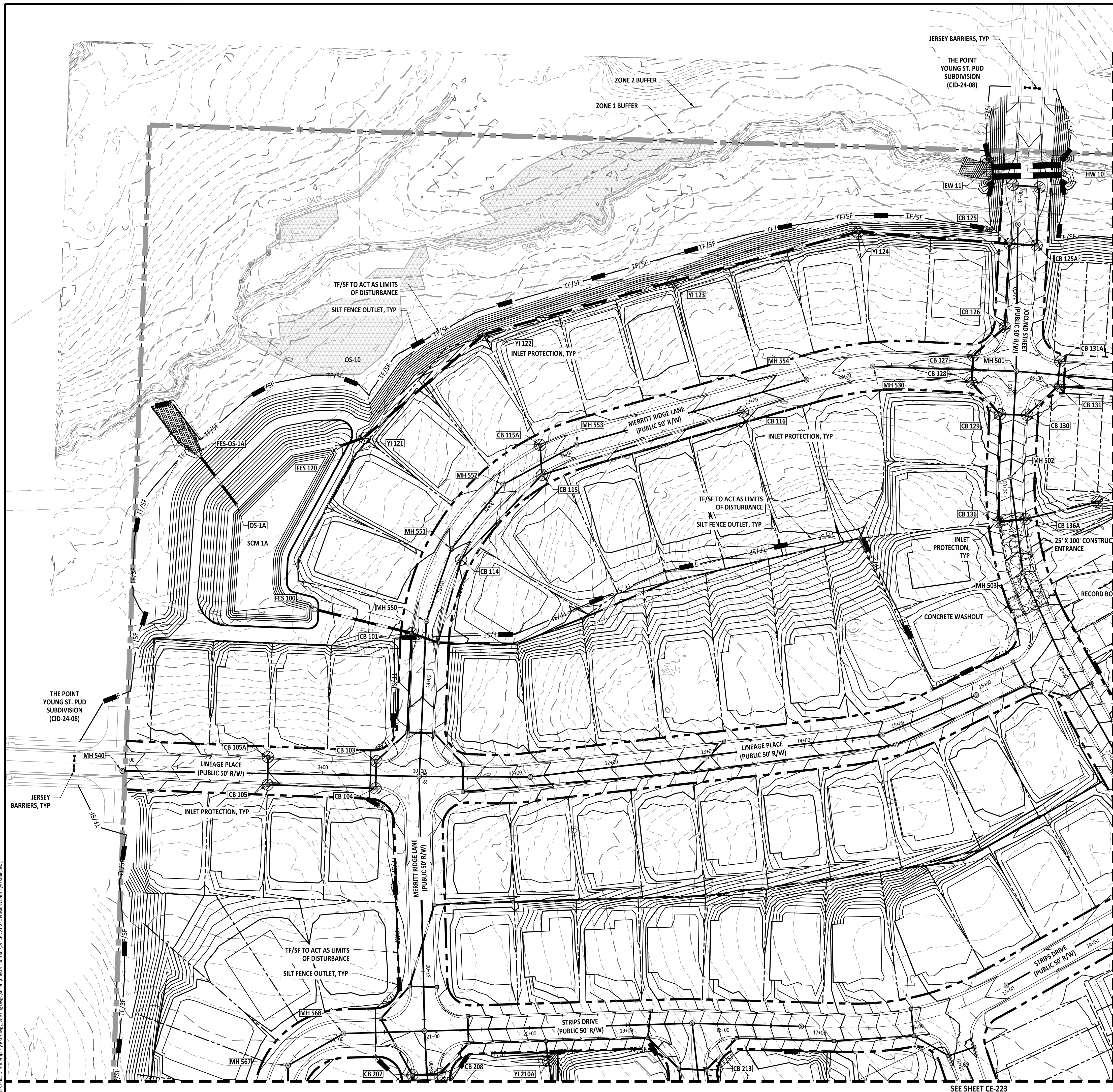
SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 3 OVERALL

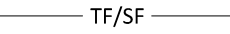
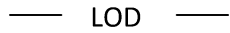
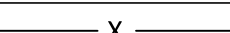
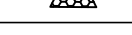
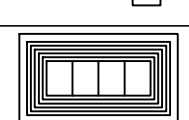
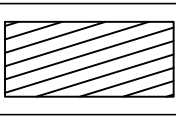
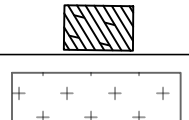
SHEET NO.:
CE-220



North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4939
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

PROJECT NUMBER = CID-25-02



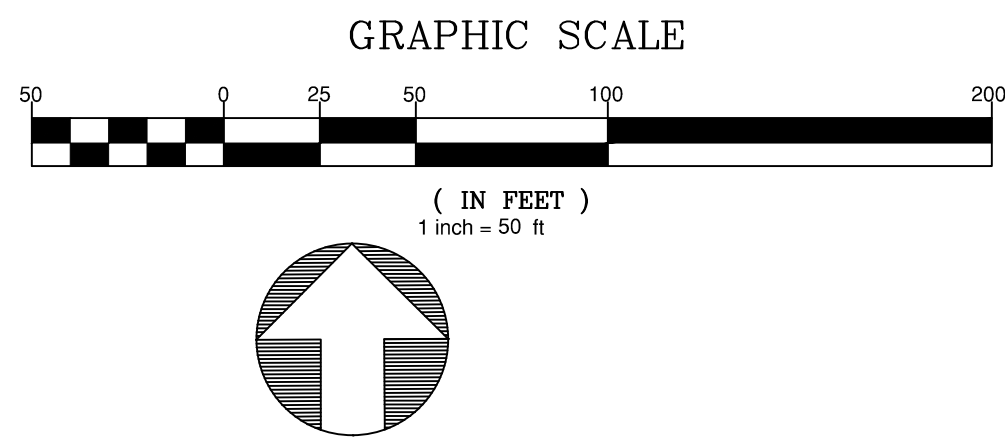
EROSION CONTROL LEGEND		REFERENCE DETAIL
	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
	LIMITS OF DISTURBANCE	SEE PLANS
	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
	SEDIMENT SACK INLET PROTECTION	03 / 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
	FUTURE PHASE 2 & 3	N/A

REFERENCE DETAIL
01 / CE501
SEE PLANS
08 / CE502
06 / CE500 & CE504
05 / CE501
02 / CE501
03 / CE501
08 / CE501
04 / CE500
03 / CE500
06 / CE502
07 & 08 / CE500
09 / CE500
05 / CE500
01 / CE502
05 & 06 / CE501
NCG01 / CE503
02 / CE500
NCG01 / CE503
03 / CE502
N/A

SITE LEGEND	
	PROPERTY BOUNDARY
	NEUSE RIVER BUFFER ZONE 1
	NEUSE RIVER BUFFER ZONE 2
	LIMITS OF DISTURBANCE
	WETLANDS

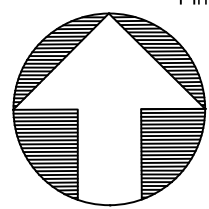
GENERAL NOTES:

1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.



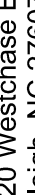
(IN FEET)

1 inch = 50 ft



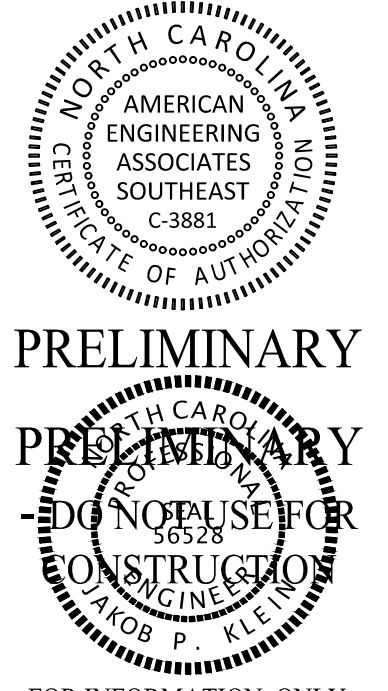
North Carolina 811
www.nc811.org
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

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



AMERICAN
Engineering

American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
919-469-1101



PRELIMINARY

PRELIMINARY
-DO NOT USE FOR-

FOR INFORMATION, ONLY

[illegible]

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE2 & 3 STAGE 3
ROLESVILLE RD
WAKE COUNTY NC 27312

DB NUMBER: 23-0004

CHECKED BY: BH

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

DATE: 05/01/2025

SHEET TITLE:

EROSION

CONTROL PHASE2

9.3 STAGE 3

& 3 STAGE 3

SHEET NO. : _____

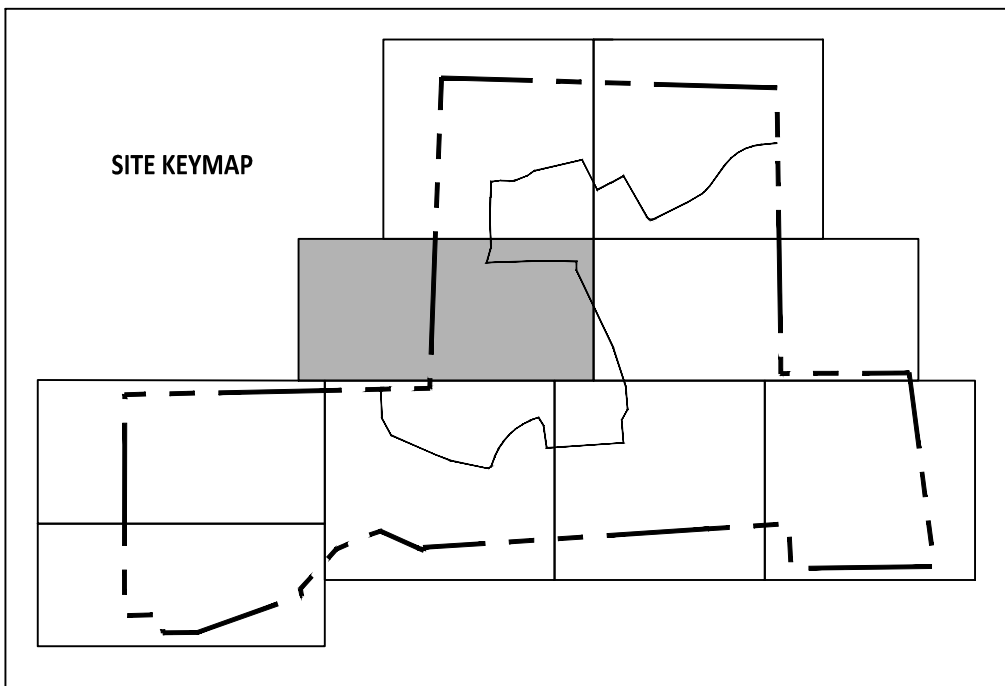
CE 222

CL-222

Z:\Jobs\13-0008 Merritt Property\BIDD\Draws\Working\Draw Sheets\Construction Set\25_CE-223-224 Erosion Control\ISO Solid.dwg
2025-07-01

EROSION 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
TF	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
▨	STAGING AND LAYDOWN AREA	NCG01 / CE503
⬮	CONSTRUCTION ENTRANCE	02 / CE500
⬮	CONCRETE WASHOUT PIT	NCG01 / CE503
+	FUTURE PHASE 2 & 3	N/A

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



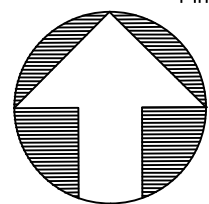
SEE SHEET CE-222

SEE SHEET CE-221

SEE SHEET CE-225

SEE SHEET CE-224

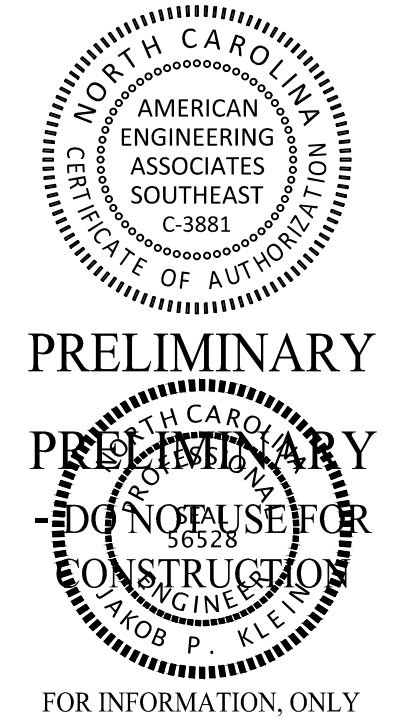
GRAPHIC SCALE



- GENERAL NOTES:
1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.



PROJECT NUMBER = CID-25-02



NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 3
ROLESVILLE RD
WAKE COUNTY NC 27312

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 3

SHEET NO.:
CE-223

PRELIMINARY



FOR INFORMATION, ONLY

[illegible]

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

**MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 3
ROLESVILLE RD
WAKE COUNTY NC 27312**

JOB NUMBER: 23-0004

CHECKED BY: _____ BH

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

DATE: 05/01/2025

SHEET TITLE:

EROSION

EROSION

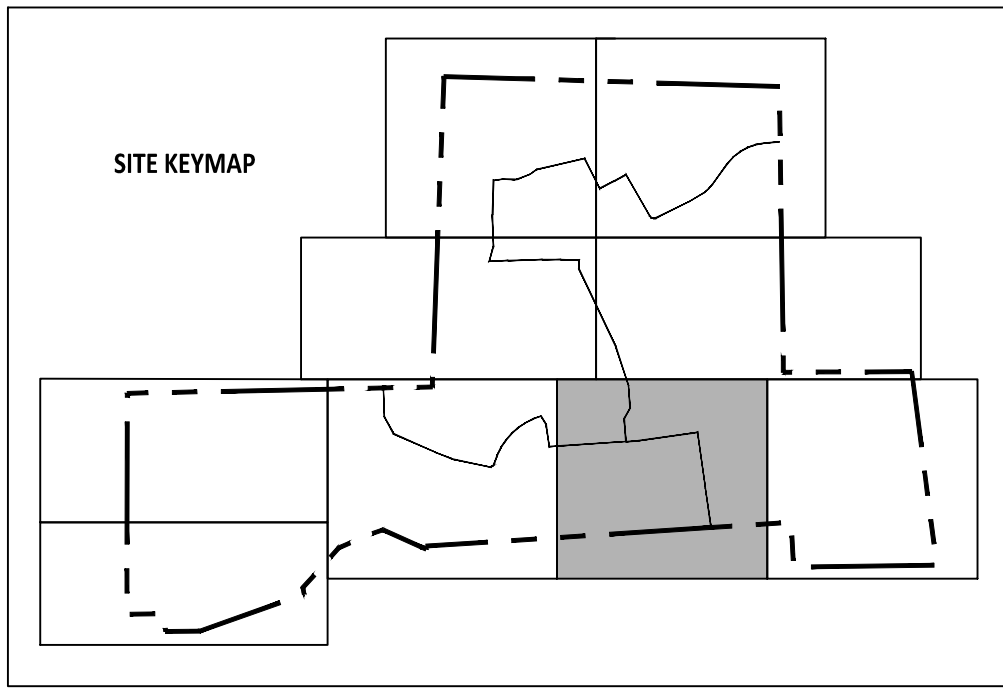
CONTROL PHASE

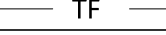
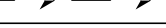
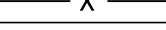
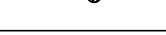
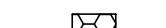
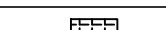
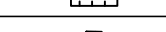
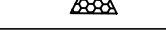
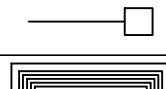
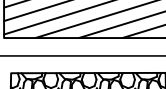
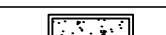
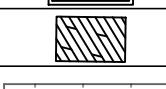
2 & 3 STAGE 3

SHEET NO.: _____

CF-224

CL 224

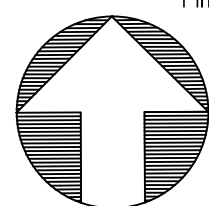
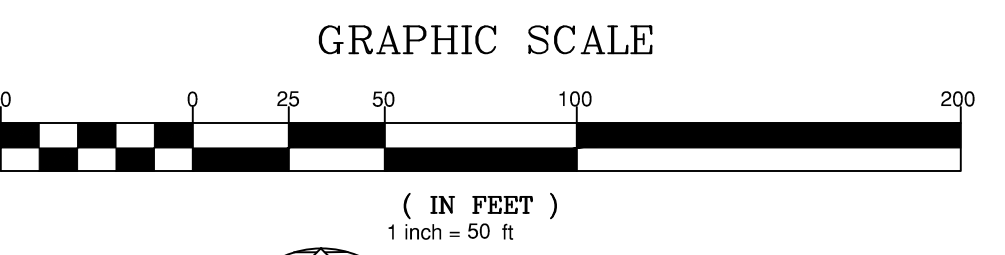


EROSION CONTROL LEGEND		REFERENCE DETAIL
	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
	LIMITS OF DISTURBANCE	SEE PLANS
	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
	SEDIMENT SACK INLET PROTECTION	03 / 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
	FUTURE PHASE 2 & 3	N/A

SITE LEGEND	
	PROPERTY BOUNDARY
	NEUSE RIVER BUFFER ZONE 1
	NEUSE RIVER BUFFER ZONE 2
	LIMITS OF DISTURBANCE
	WETLANDS

GENERAL NOTES:

1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT, WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.

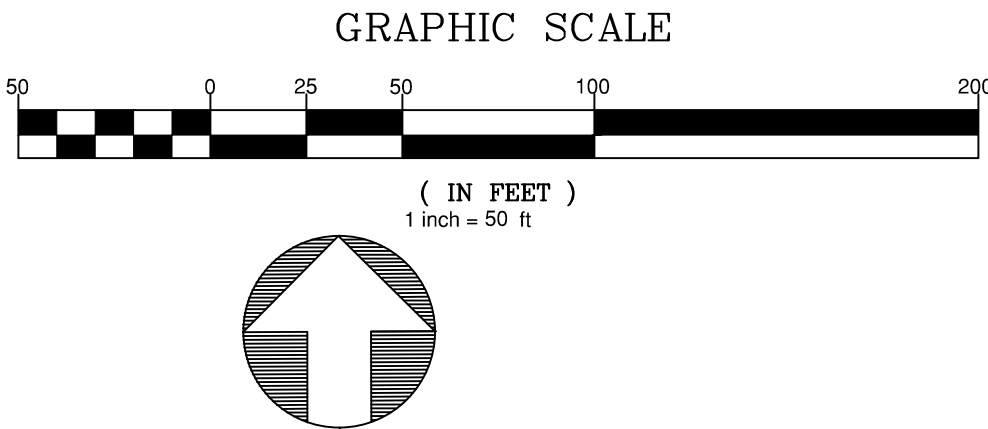
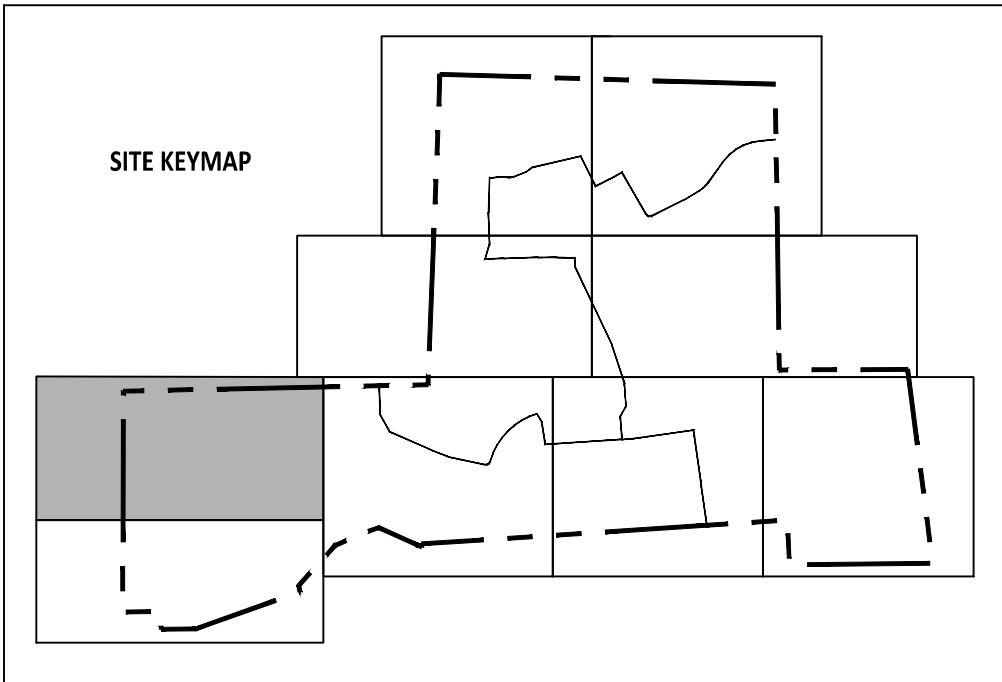


PROJECT NUMBER = CID-25-02

Z:\05\03-0008 Merritt Property\811\Drawn Working Draw Sheets\Construction Set\26_CE-225-228 Erosion Control\ISO Scale.dwg 2025-07-01

EROSION CONTROL LEGEND		REFERENCE DETAIL
	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
	LIMITS OF DISTURBANCE	SEE PLANS
	TREE PROTECTION FENCE (LOD)	08 / CE502
	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
	STAGING AND LAYDOWN AREA	NCG01 / CE503
	CONSTRUCTION ENTRANCE	02 / CE500
	CONCRETE WASHOUT PIT	NCG01 / CE503
	FUTURE PHASE 2 & 3	N/A

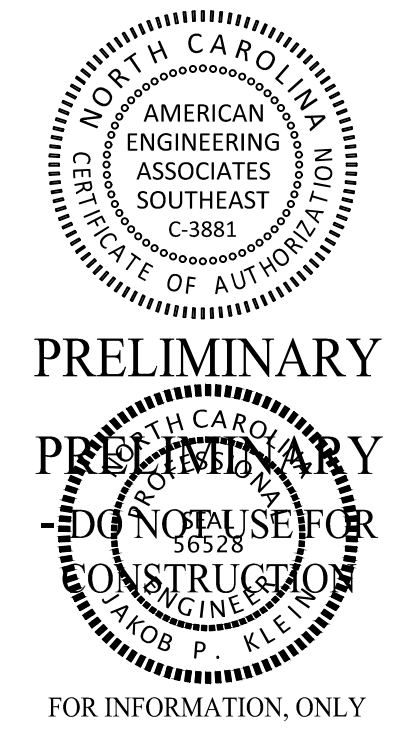
SITE LEGEND	
	PROPERTY BOUNDARY
	NEUSE RIVER BUFFER ZONE 1
	NEUSE RIVER BUFFER ZONE 2
	RIGHT-OF-WAY
	LIMITS OF DISTURBANCE
	WETLANDS



GENERAL NOTES:
1. ROLLED EROSION CONTROL PRODUCT (RECP) SHALL BE INSTALLED WHERE THE DIFFERENCE IN ELEVATION IS GREATER THAN 10 FT. WITHIN BASINS, AND WHERE SLOPES ARE GREATER THAN 3:1.



PROJECT NUMBER = CID-25-02



PRELIMINARY
PRELIMINARY
DO NOT USE FOR
CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
PHASE 2 & 3 STAGE 3
ROLESVILLE RD
WAKE COUNTY NC 27312

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 3
SHEET NO.: CE-226

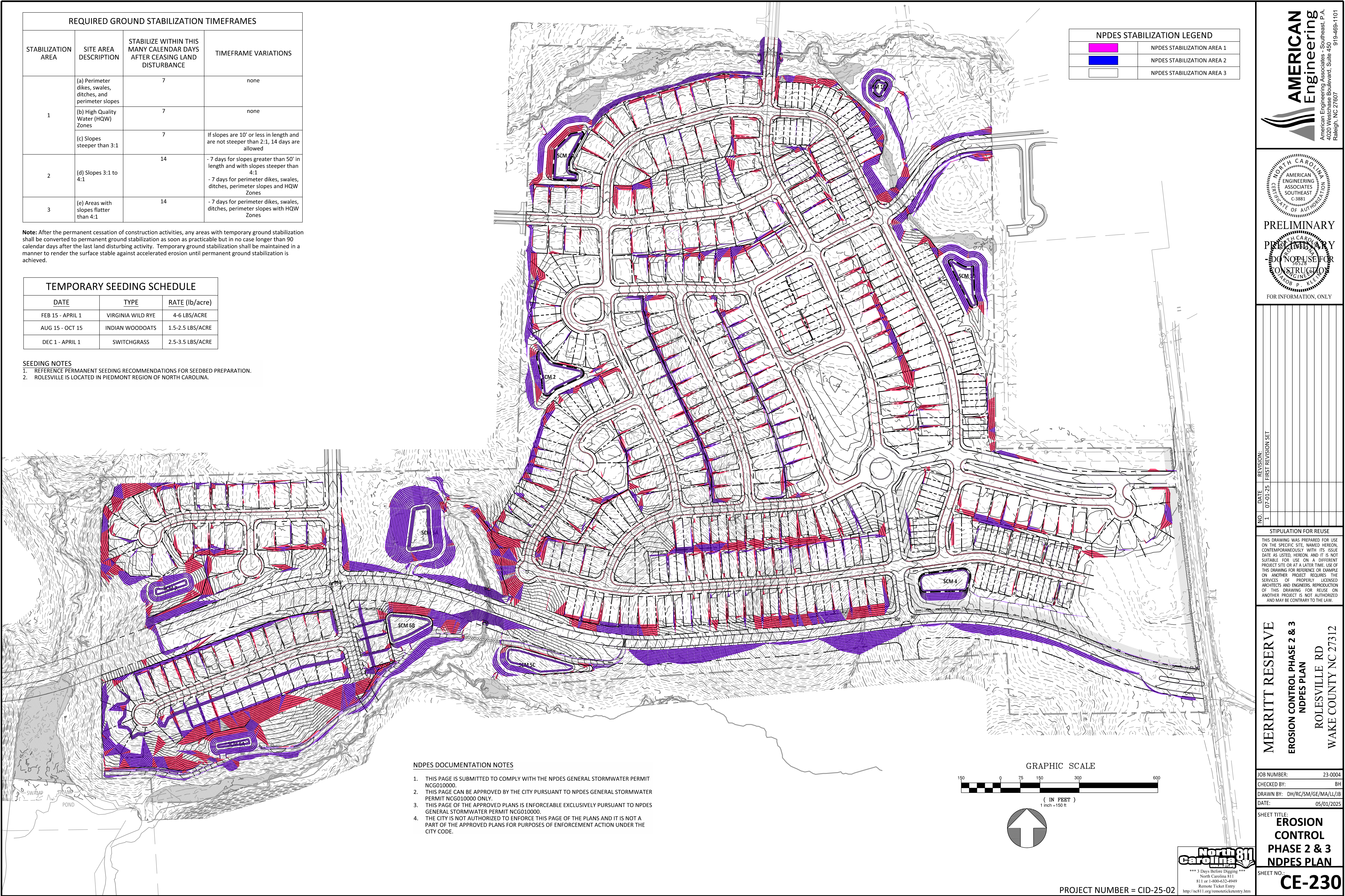
REQUIRED GROUND STABILIZATION TIMEFRAMES			
STABILIZATION AREA	SITE AREA DESCRIPTION	STABILIZE WITHIN THIS MANY CALENDAR DAYS AFTER CEASING LAND DISTURBANCE	TIMEFRAME VARIATIONS
1	(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	none
	(b) High Quality Water (HQP) Zones	7	none
	(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
2	(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
3	(e) Areas with slopes flatter than 4:1	14	- 7 days for perimeter dikes, swales, ditches, perimeter slopes with HQW Zones

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.

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

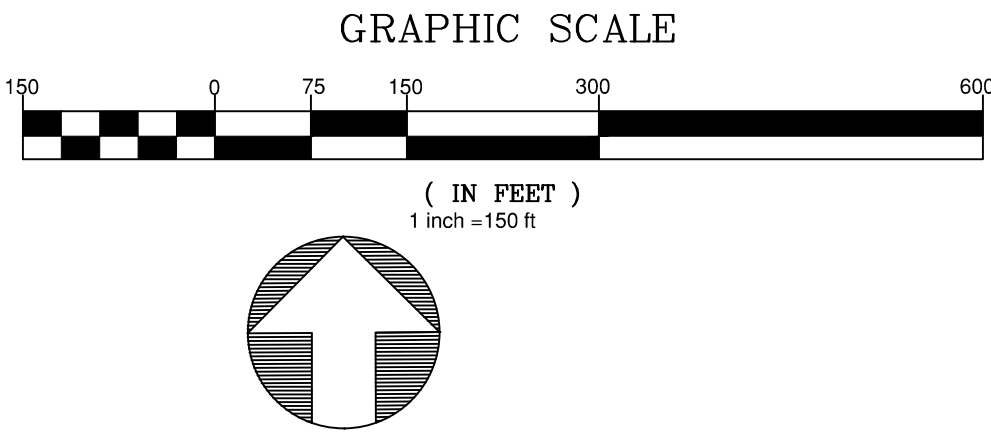
- SEEDING NOTES**
- REFERENCE PERMANENT SEEDING RECOMMENDATIONS FOR SEEDBED PREPARATION.
 - ROLESVILLE IS LOCATED IN PIEDMONT REGION OF NORTH CAROLINA.

NPDES STABILIZATION LEGEND	
	NPDES STABILIZATION AREA 1
	NPDES STABILIZATION AREA 2
	NPDES STABILIZATION AREA 3



NPDES DOCUMENTATION NOTES

- THIS PAGE IS SUBMITTED TO COMPLY WITH THE NPDES GENERAL STORMWATER PERMIT NCG010000.
- THIS PAGE CAN BE APPROVED BY THE CITY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.
- THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
- THE CITY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.



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

AMERICAN Engineering
American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
919-469-1101

PRELIMINARY
PRELIMINARY
DO NOT USE FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

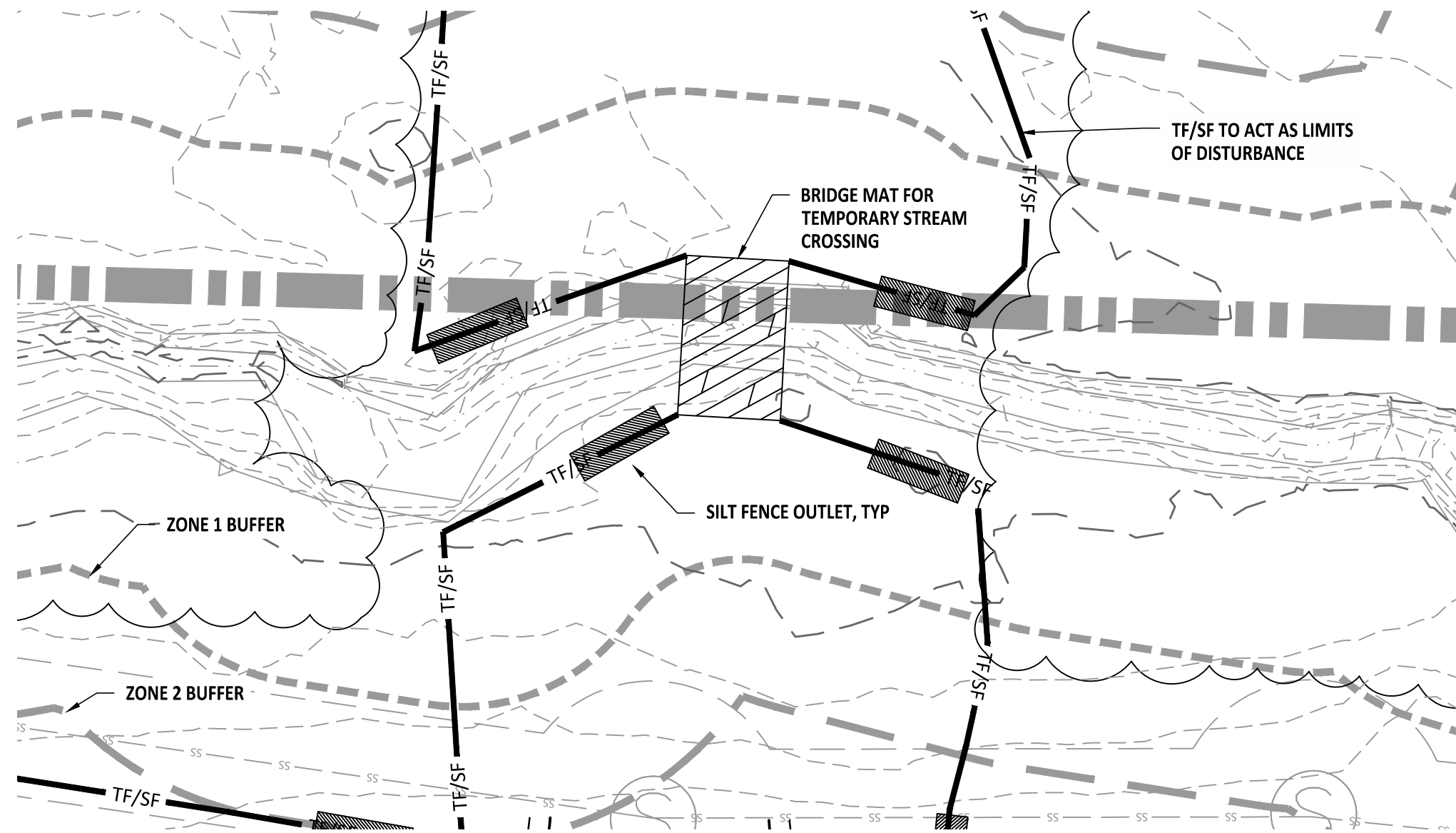
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL PHASE 2 & 3
NPDES PLAN
ROLESVILLE RD
WAKE COUNTY NC 27312

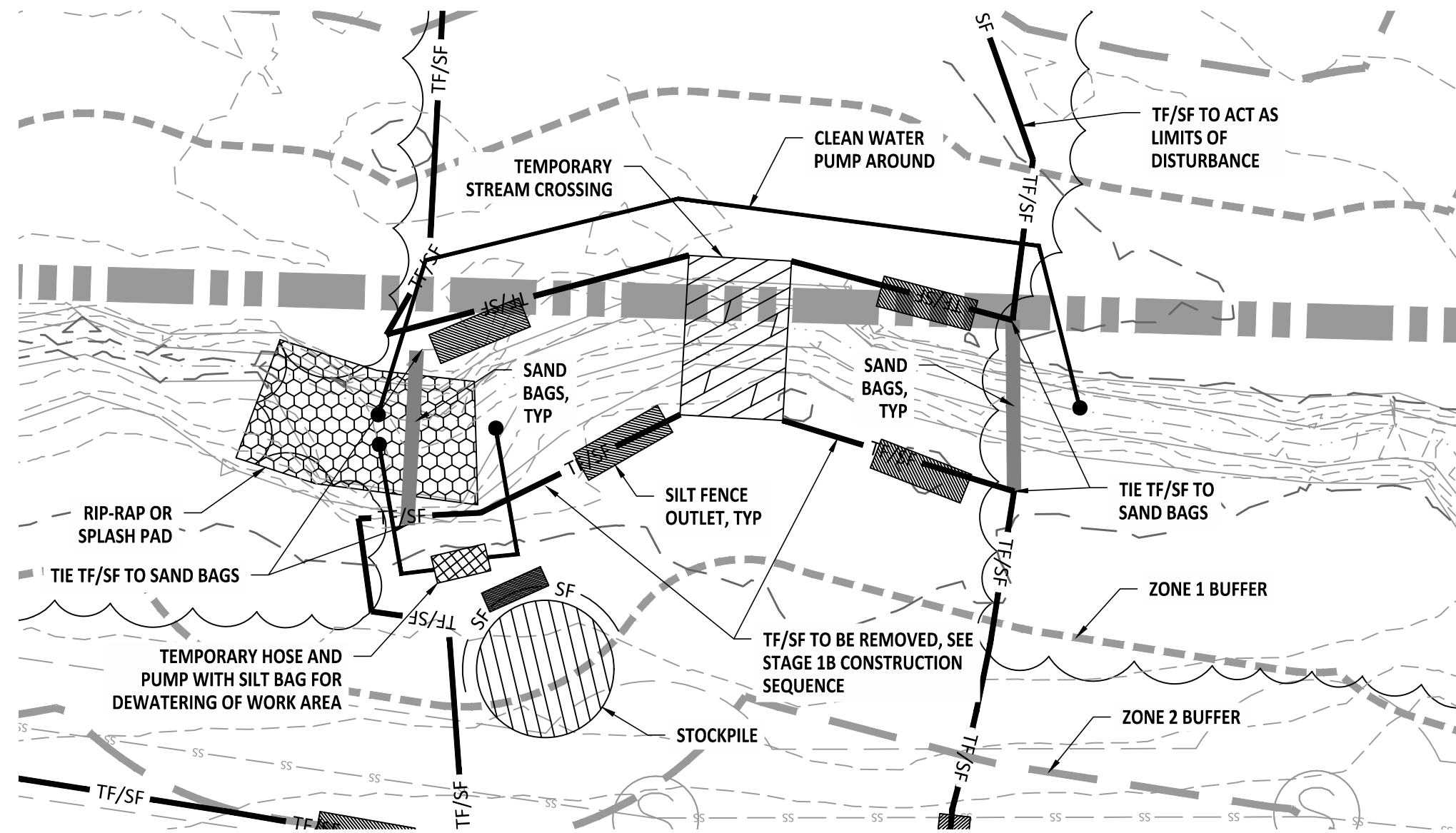
JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 NPDES PLAN
SHEET NO.:
CE-230

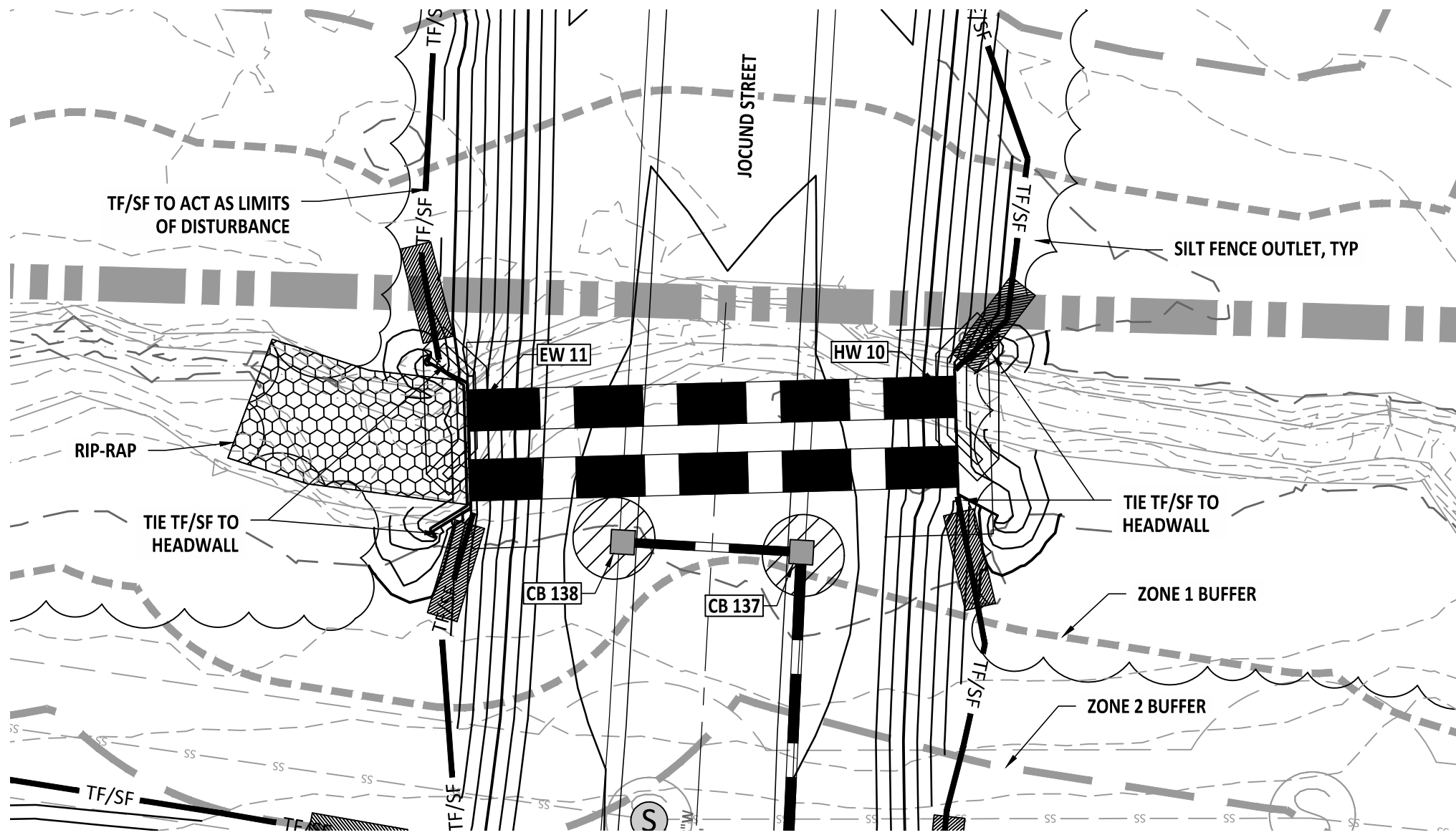
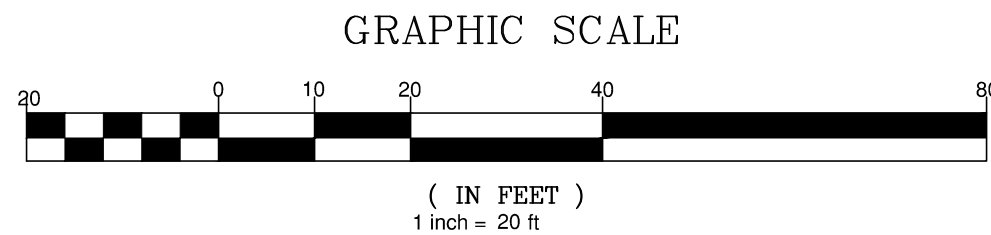
PROJECT NUMBER = CID-25-02



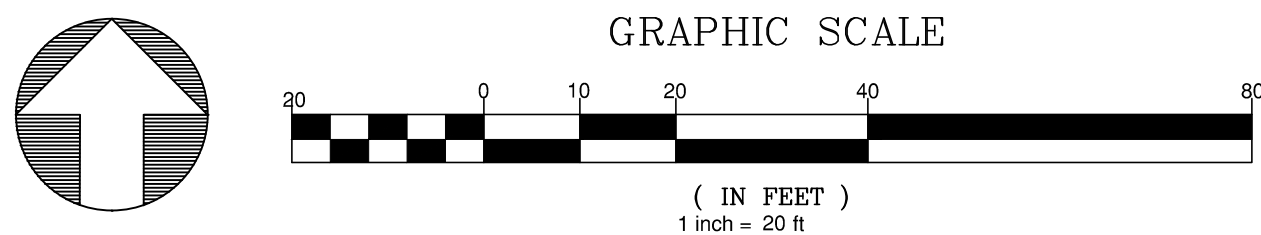
INITIAL CULVERT CROSSING FOR
JOCUND STREET



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

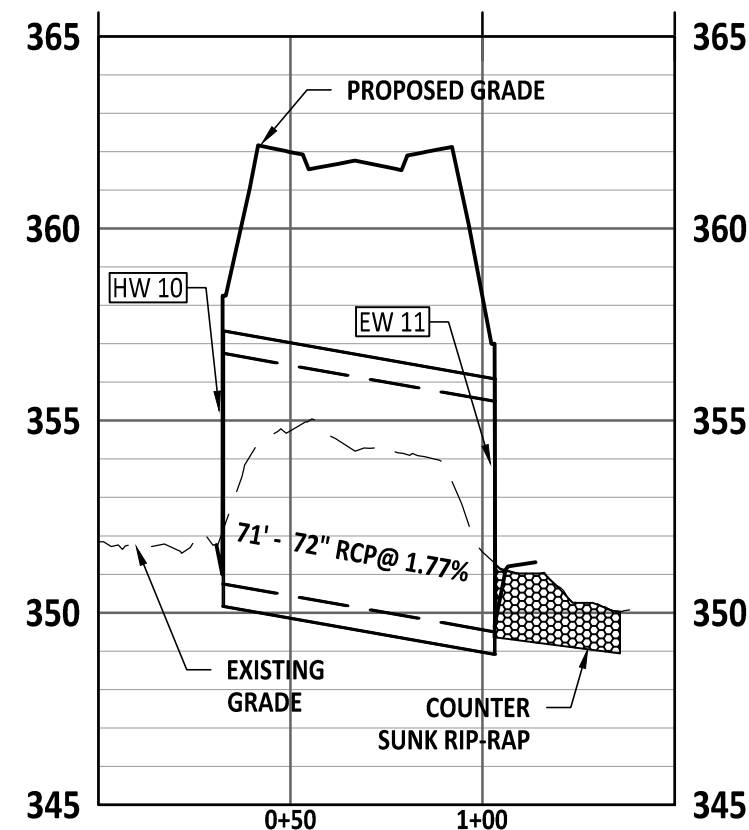
1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.
2. INSTALL THE BRIDGE MAT AND SILT FENCE AS SHOWN IN THE INITIAL STREAM CROSSING.
3. PLACE A TEMPORARY RIP-RAP PAD OR SPLASH PAD AT THE DOWNSTREAM END OF THE TEMPORARY HOSE TO PREVENT EROSION. CONTRACTOR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

STAGE 1B CREEK CROSSING INSTALLATION

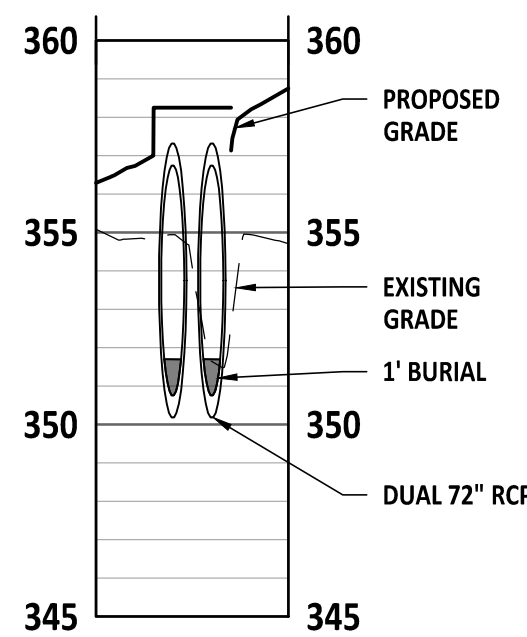
1. OBTAIN PERMISSION FROM THE WAKE COUNTY INSPECTOR TO PROCEED WITH THIS STEP.
2. INSTALL TEMPORARY HOSE AND PUMP AND A SILT BAG TO ALLOW FOR PUMP DOWN OF THE WORK AREA. PUMPS TO BE USED AS NEEDED.
3. ONCE THE STREAM HAS BEEN PUMPED DOWN AND THE SILT FENCE HAS BEEN TIED TO THE SANDBAGS, REMOVE THE SILT 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

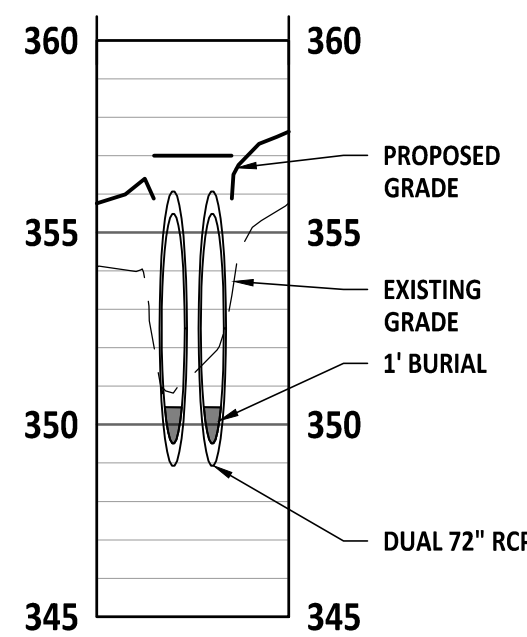
1. UPON COMPLETION OF PIPE INSTALLATION, REMOVE TEMPORARY SANDBAGS ON DOWNSTREAM END.
2. REMOVE TEMPORARY SANDBAGS ON UPSTREAM END.
3. INSTALL SILT FENCE AT THE TOE OF SLOPES AND TIE TO ENDWALLS AS SHOWN ON THIS PLAN.
4. COMPLETE FILL AROUND THE PIPE TO A LEVEL AT LEAST TWO (2) FEET ABOVE THE TOP OF 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.



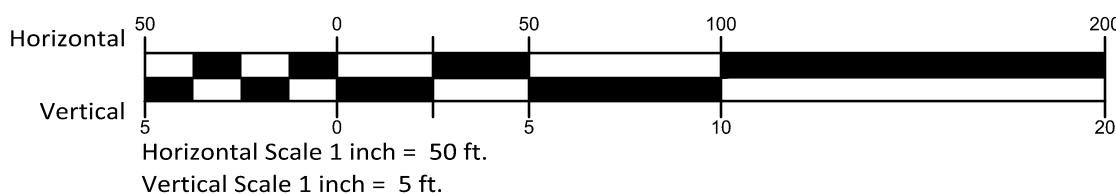
CULVERT CROSS SECTION



CULVERT CROSSING SECTION VIEW
(UPSTREAM END)



CULVERT CROSSING SECTION VIEW
(DOWNSTREAM END)



PROJECT NUMBER = RS D-24-02

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

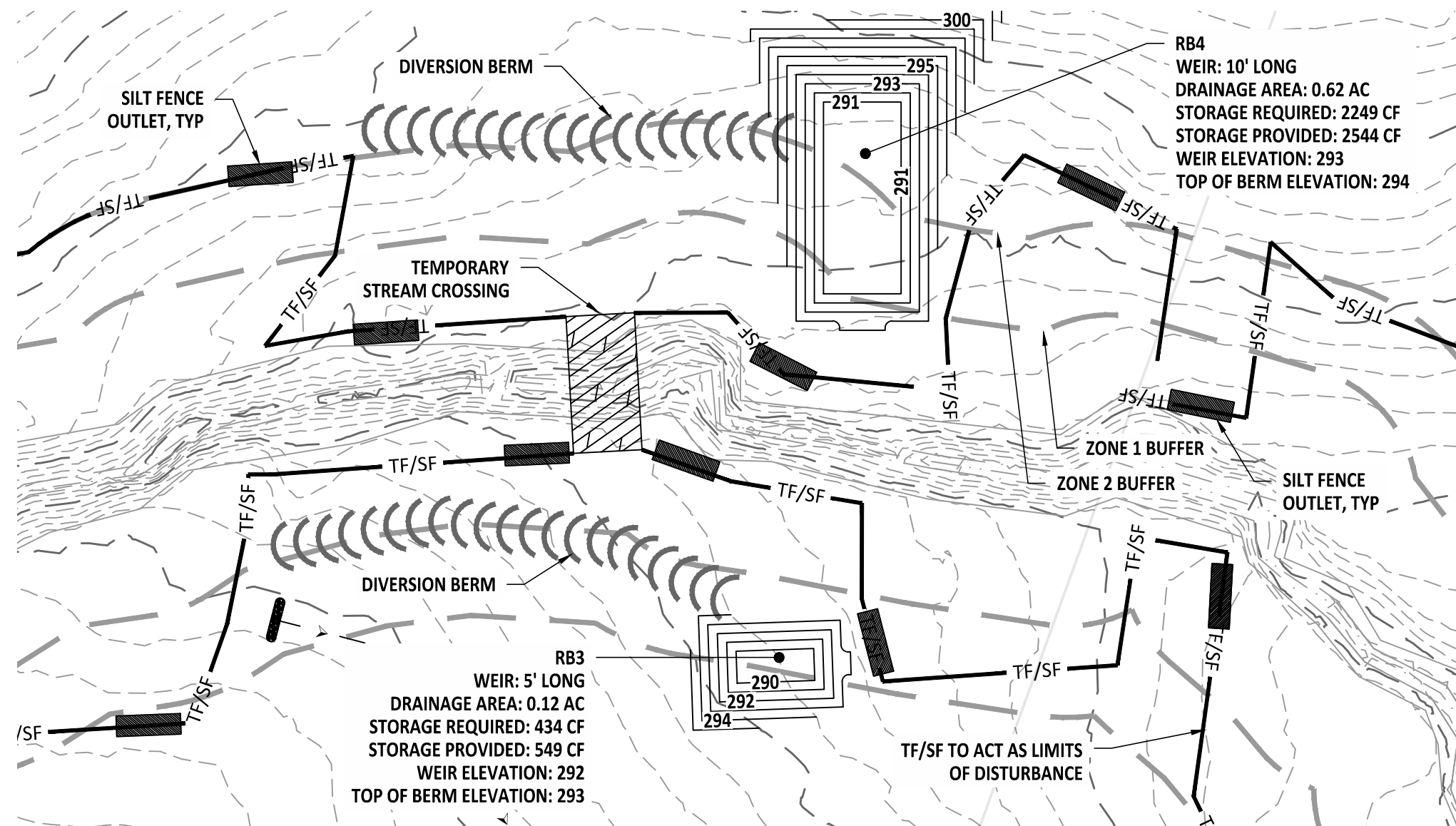
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL CULVERT
CROSSING PHASE 2 & 3
ROLESVILLE RD
WAKE COUNTY NC 27312

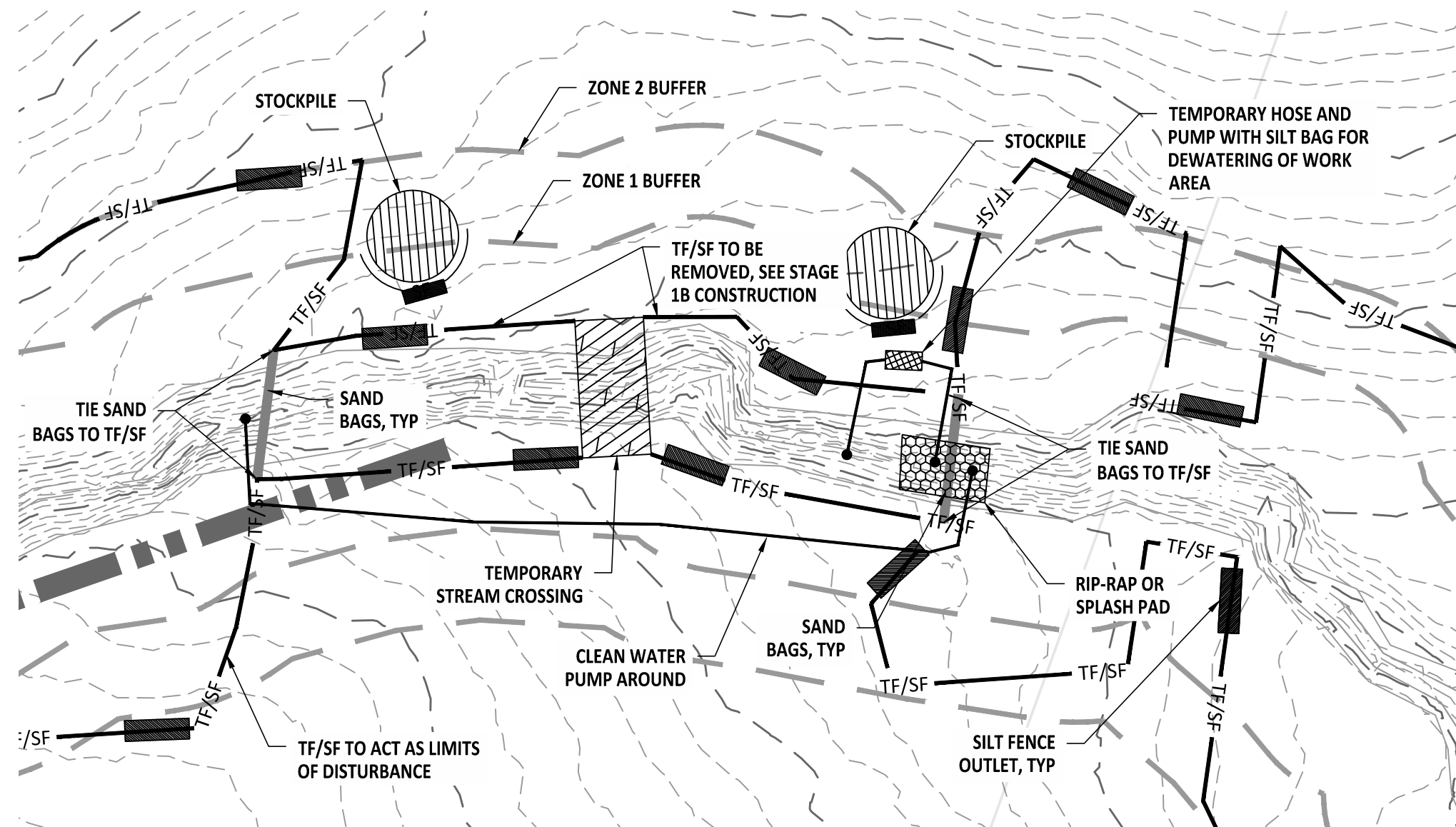
JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025

SHEET TITLE:
EROSION CONTROL
CULVERT CROSSING
PHASE 2 & 3

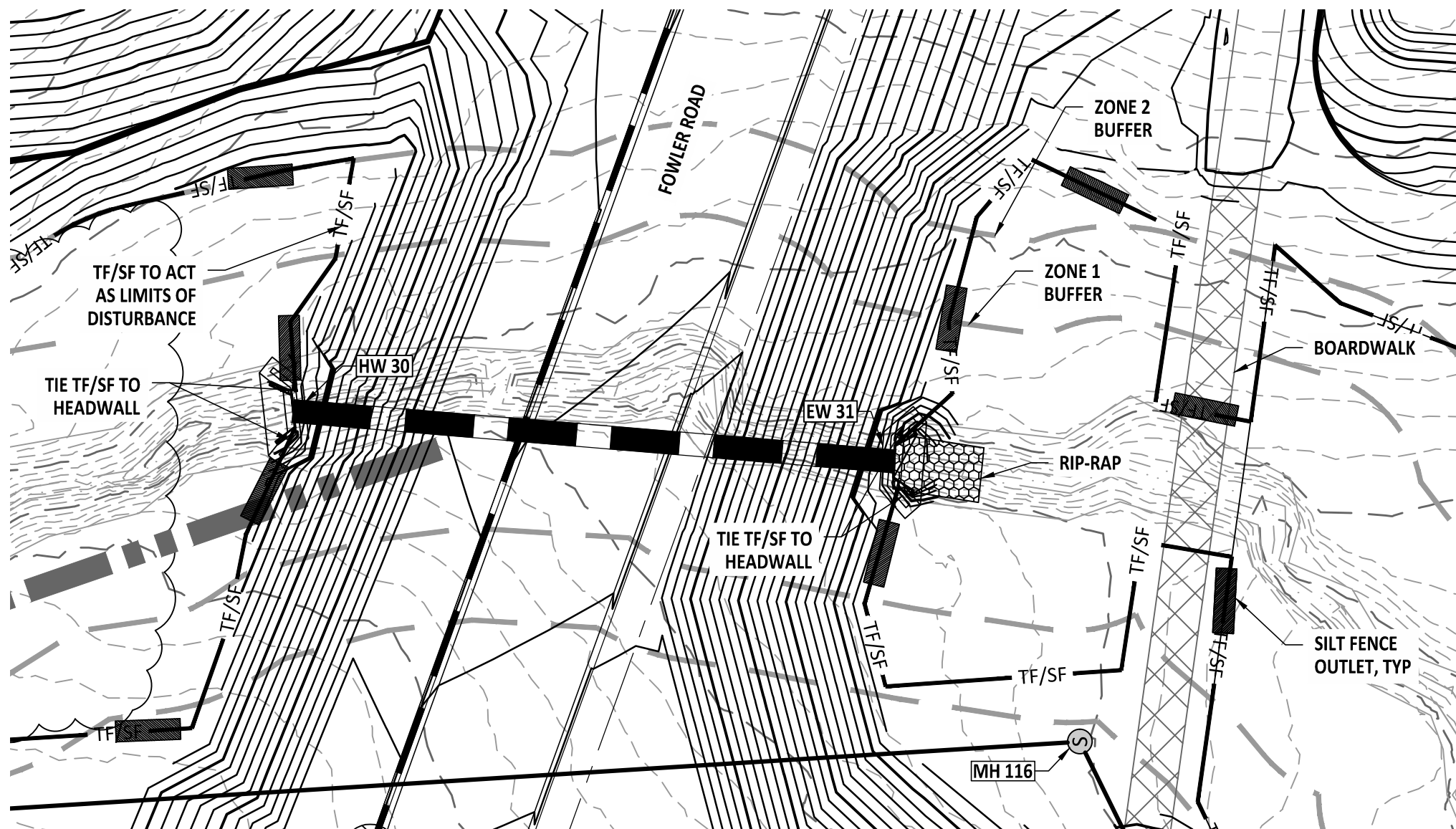
SHEET NO.:
CE-240



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

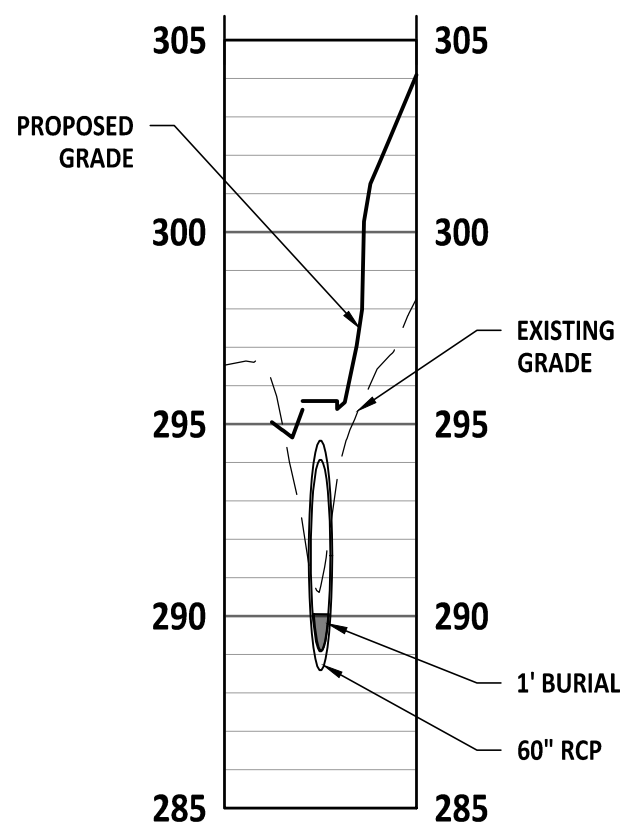
1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.
2. INSTALL THE BRIDGE MAT AND SILT FENCE AS SHOWN IN THE INITIAL STREAM CROSSING.
3. PLACE A TEMPORARY RIP-RAP PAD OR SPLASH PAD AT THE DOWNSTREAM END OF THE TEMPORARY HOSE TO PREVENT EROSION. CONTRACTOR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

STAGE 1B CREEK CROSSING INSTALLATION

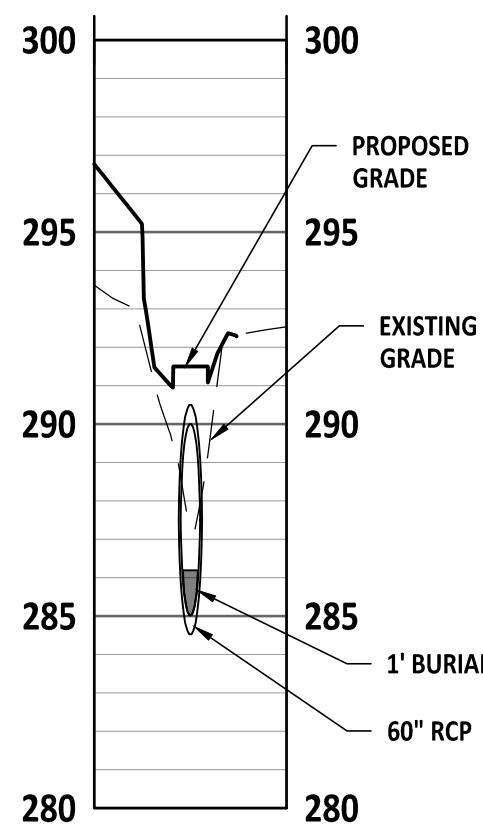
1. OBTAIN PERMISSION FROM THE WAKE COUNTY INSPECTOR TO PROCEED WITH THIS STEP.
2. INSTALL TEMPORARY HOSE AND PUMP AND A SILT BAG TO ALLOW FOR PUMP DOWN OF THE WORK AREA. PUMPS TO BE USED AS NEEDED.
3. ONCE THE STREAM HAS BEEN PUMPED DOWN AND THE SILT FENCE HAS BEEN TIED TO THE SANDBAGS, REMOVE THE SILT 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

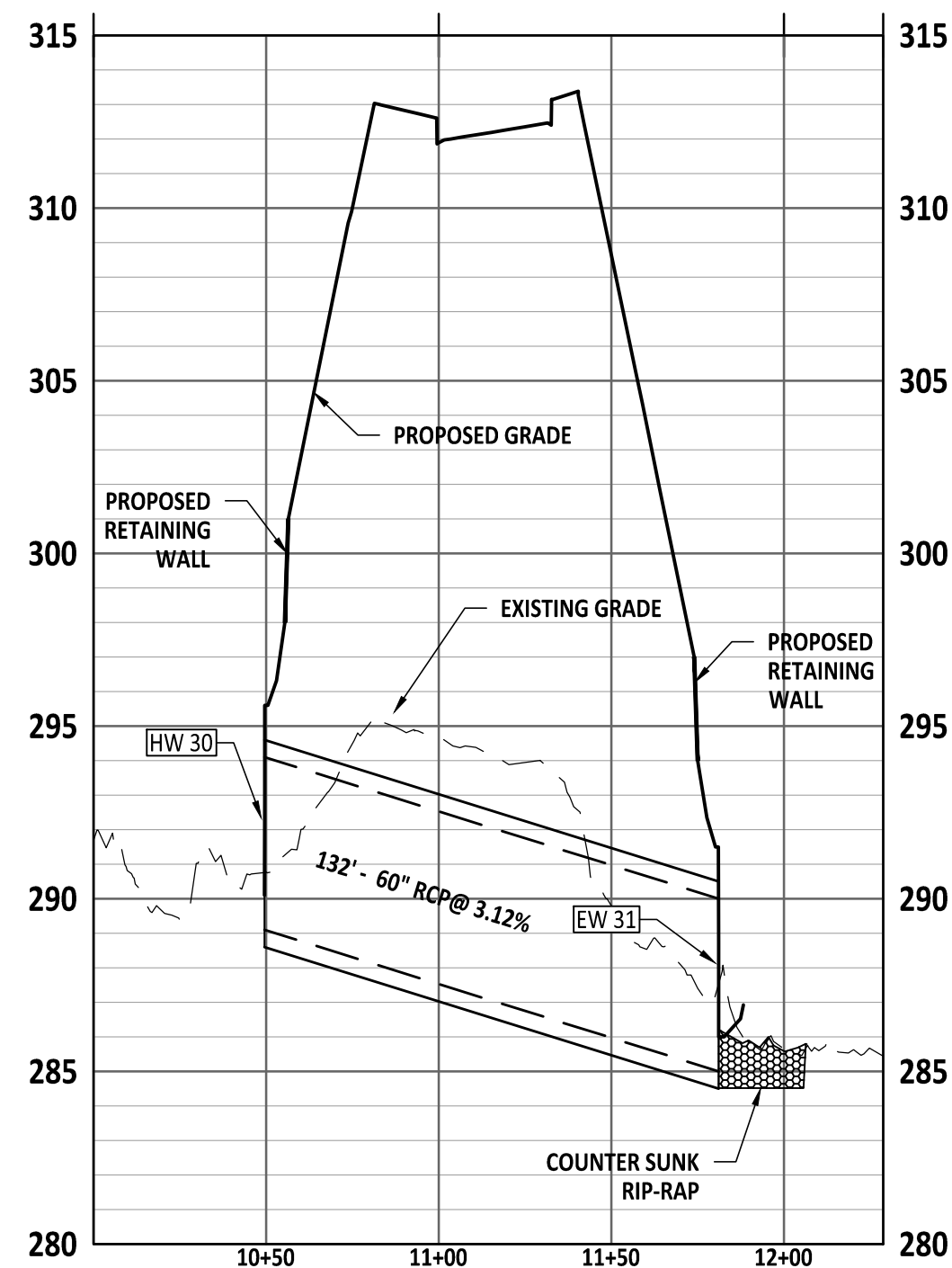
1. UPON COMPLETION OF PIPE INSTALLATION, REMOVE TEMPORARY SANDBAGS ON DOWNSTREAM END.
2. REMOVE TEMPORARY SANDBAGS ON UPSTREAM END.
3. INSTALL SILT FENCE AT THE TOE OF SLOPES AND TIE TO ENDWALLS AS SHOWN ON THIS PLAN.
4. COMPLETE FILL AROUND THE PIPE TO A LEVEL AT LEAST TWO (2) FEET ABOVE THE TOP OF 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.



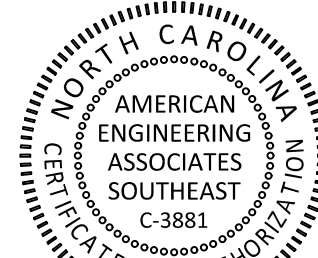
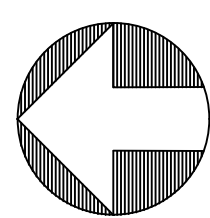
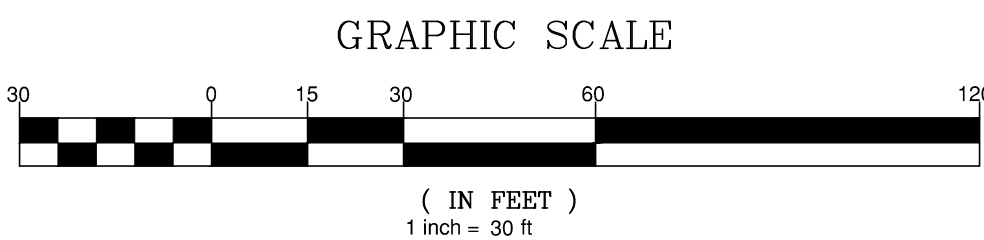
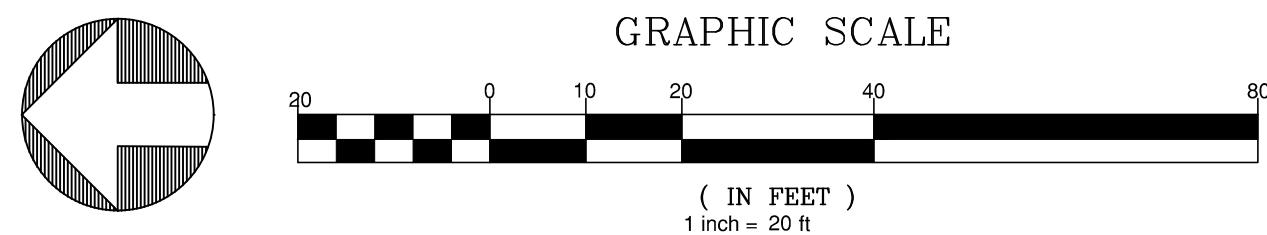
CULVERT CROSSING SECTION VIEW
(UPSTREAM END)



CULVERT CROSSING SECTION VIEW
(DOWNSTREAM END)



CULVERT CROSS SECTION



PRELIMINARY

PRELIMINARY

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

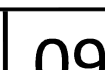
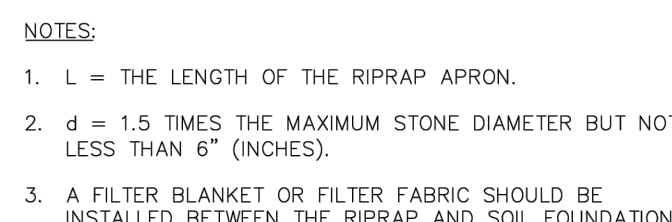
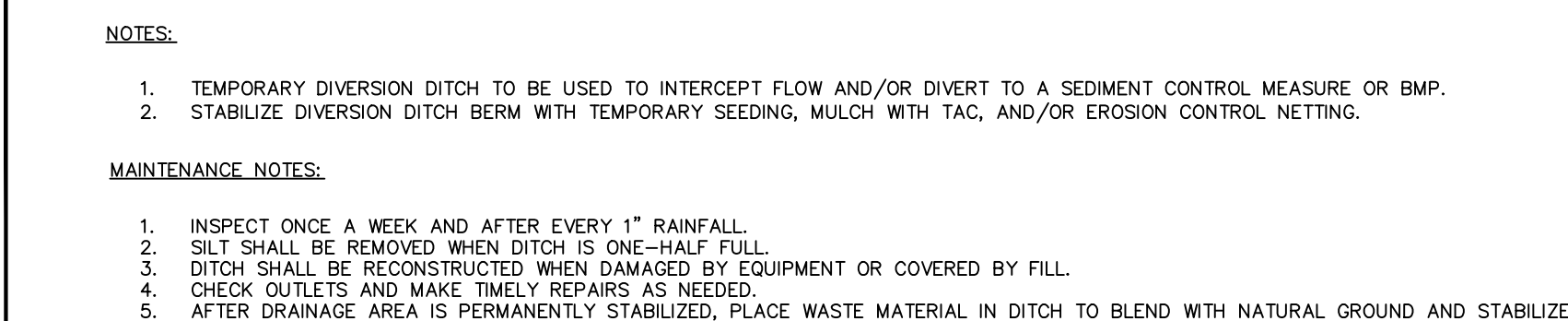
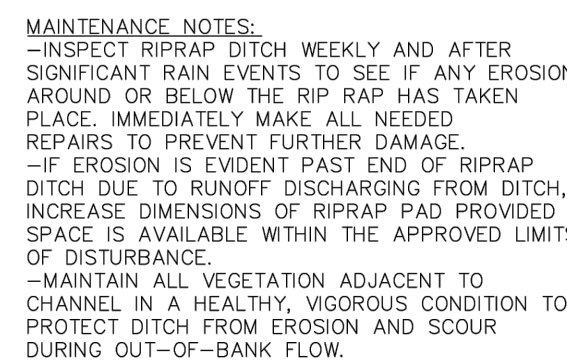
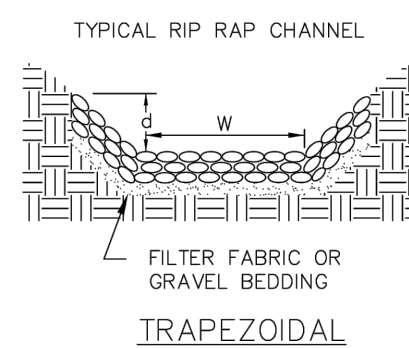
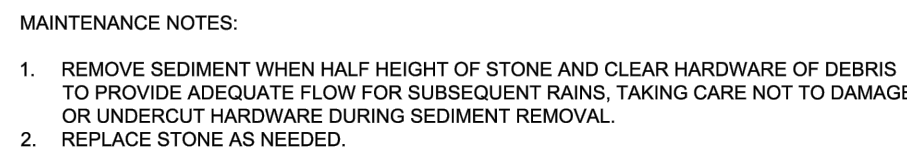
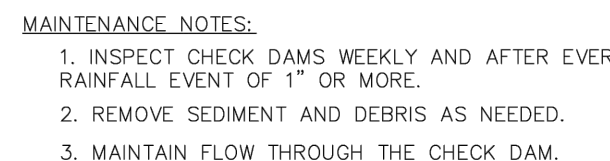
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL CULVERT
CROSSING PHASE 2 & 3
ROLESVILLE RD
WAKE COUNTY NC 27312

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

EROSION CONTROL
CULVERT CROSSING
PHASE 2 & 3

SHEET NO.:
CE-241

[illegible]

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
DETAILS
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

CHECKED BY: BH

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

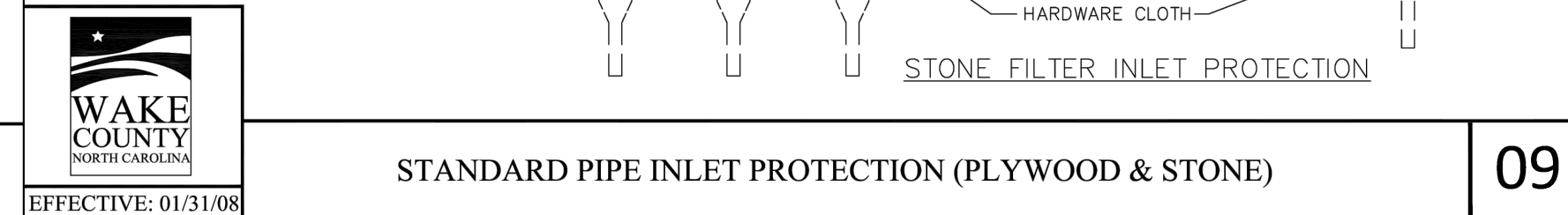
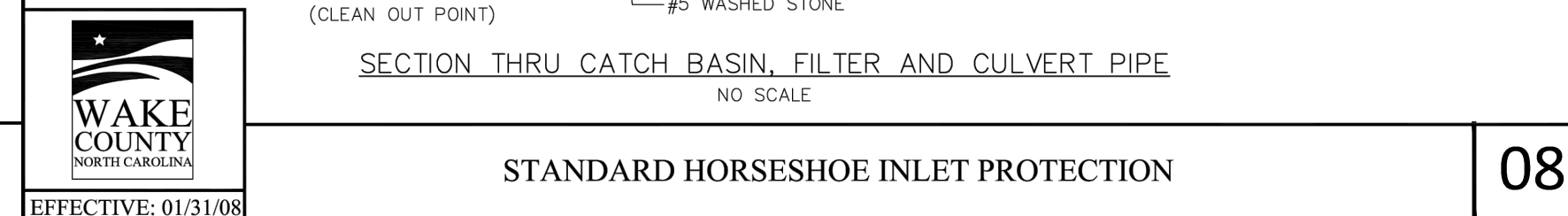
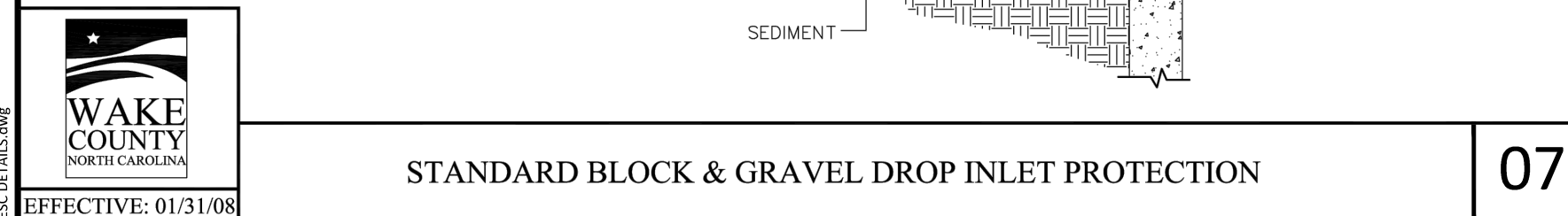
DATE: 05/01/2025

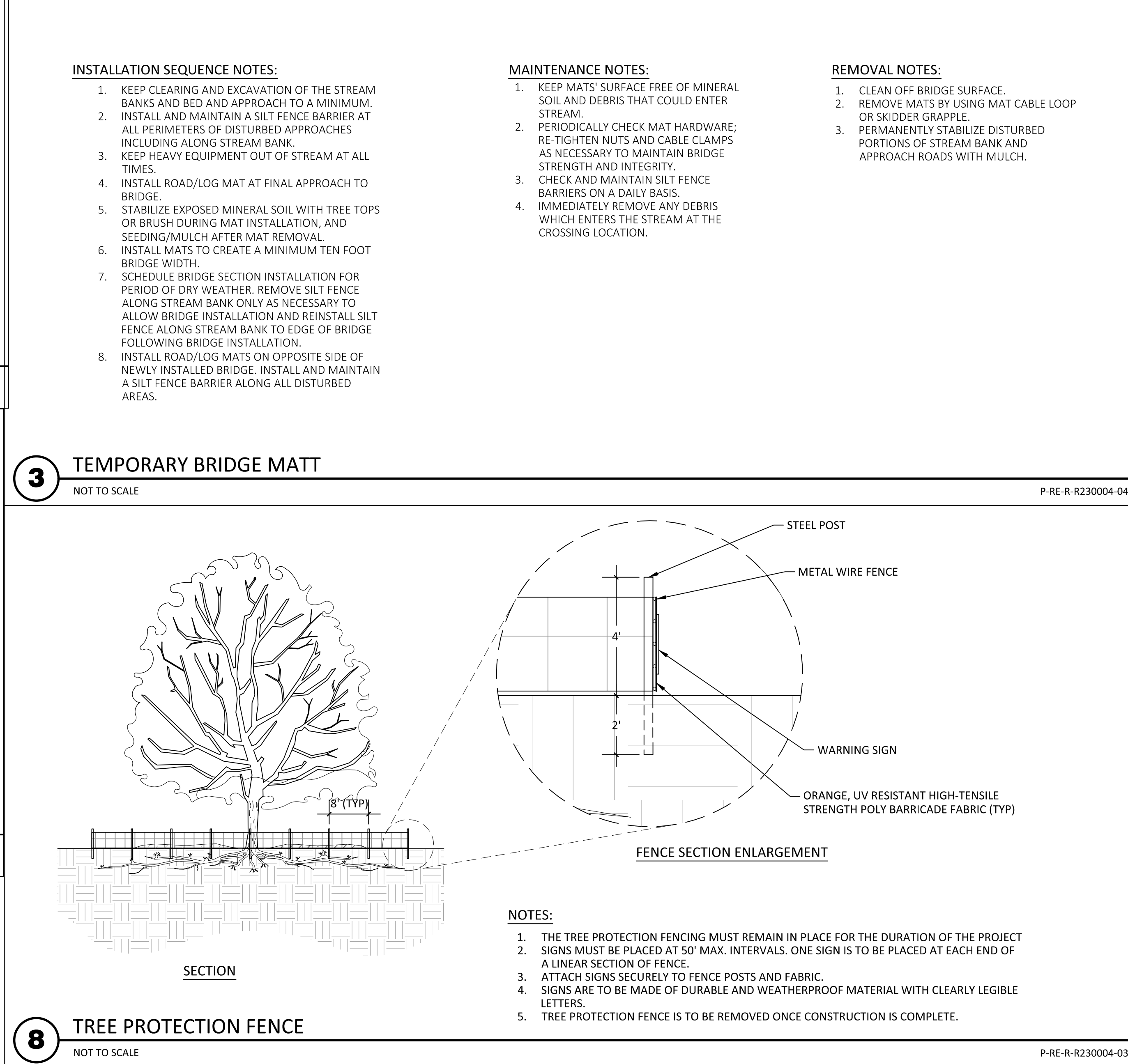
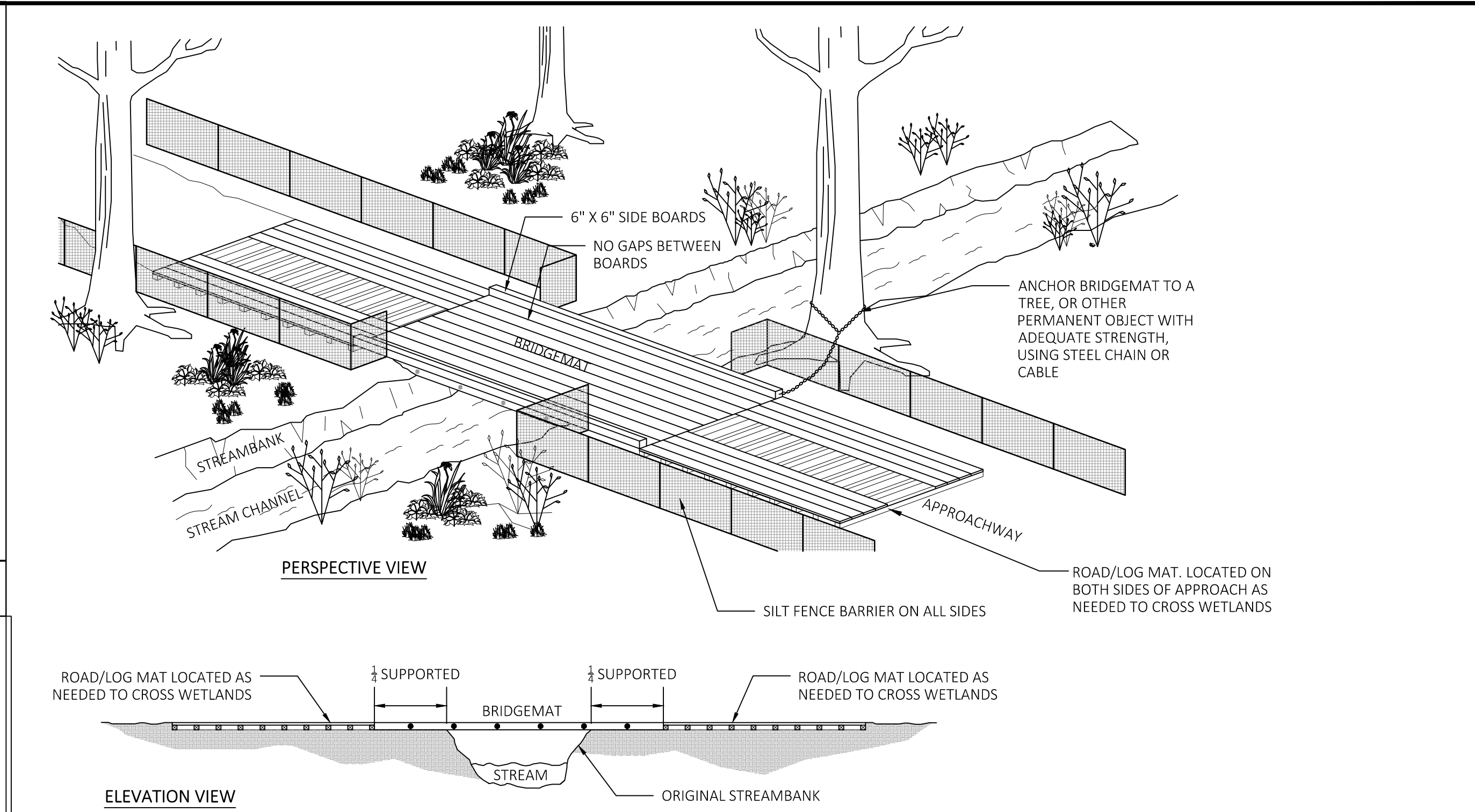
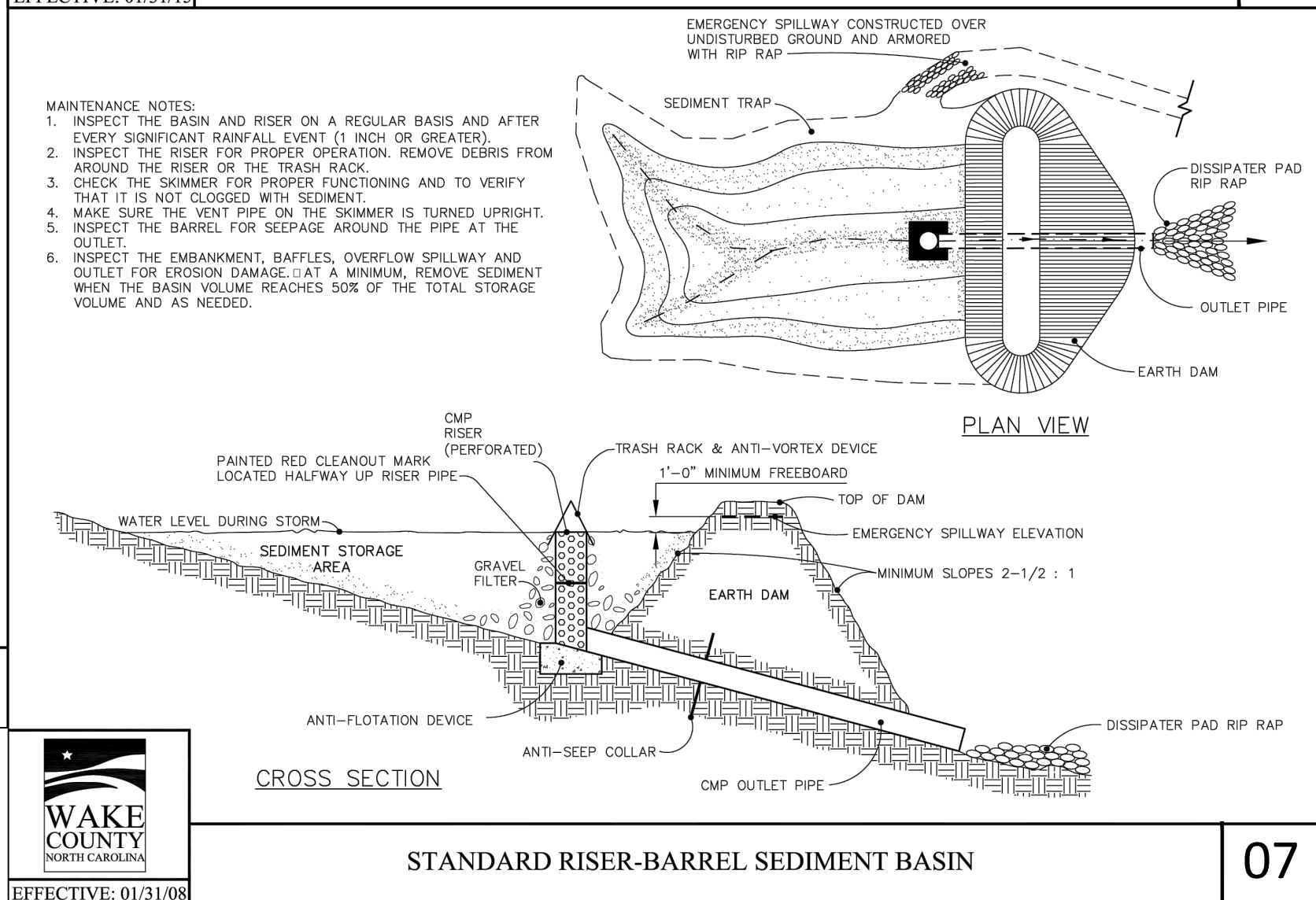
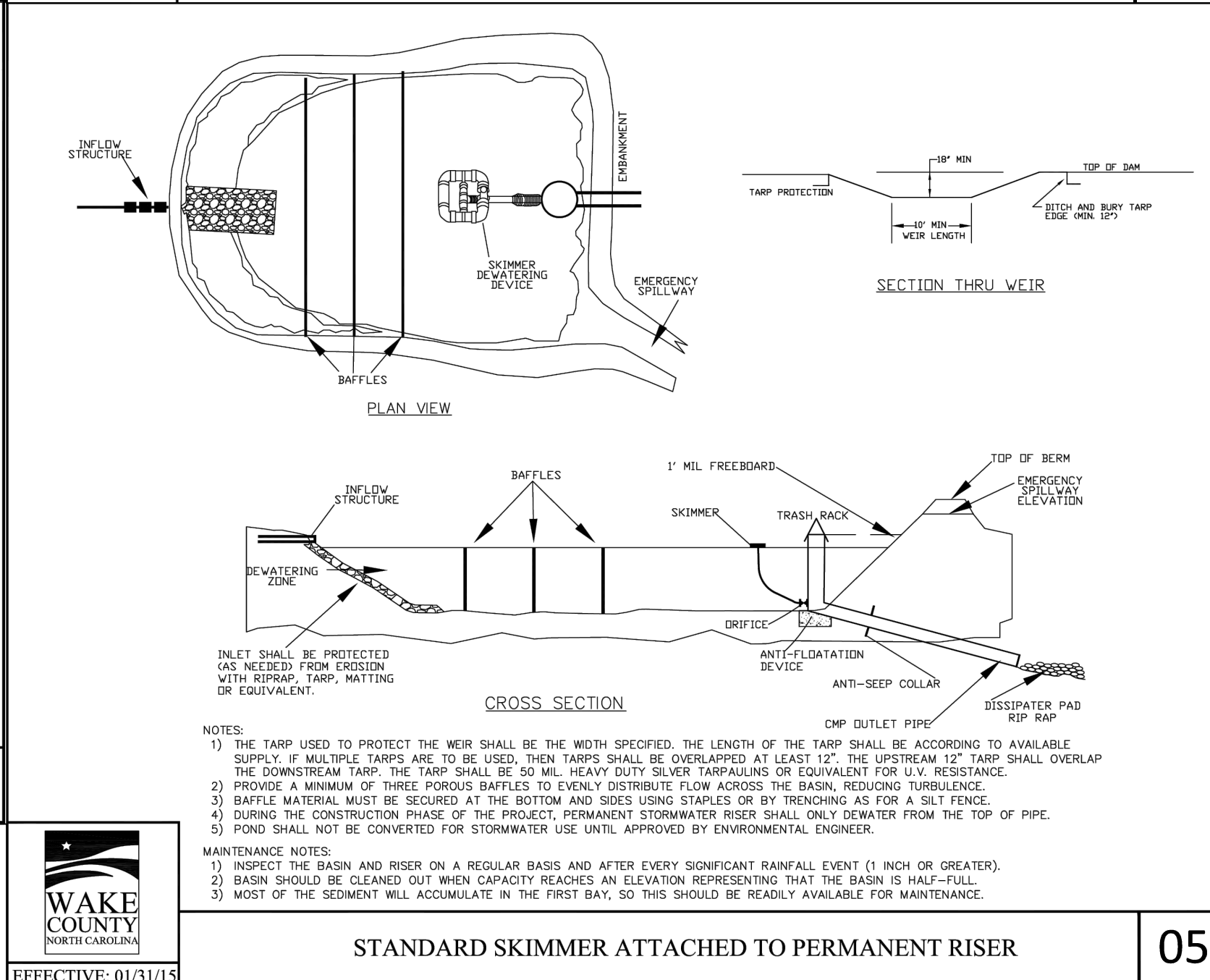
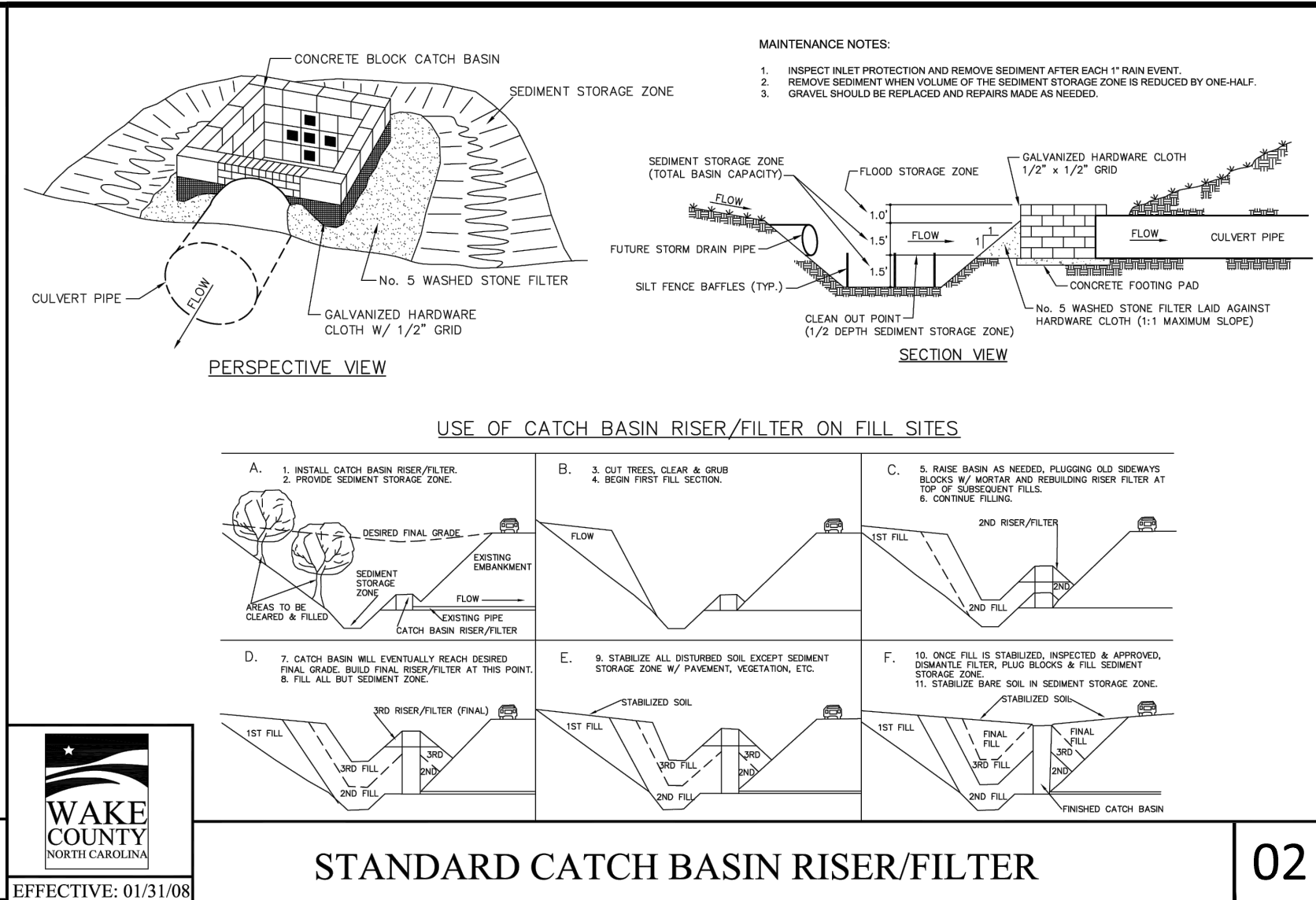
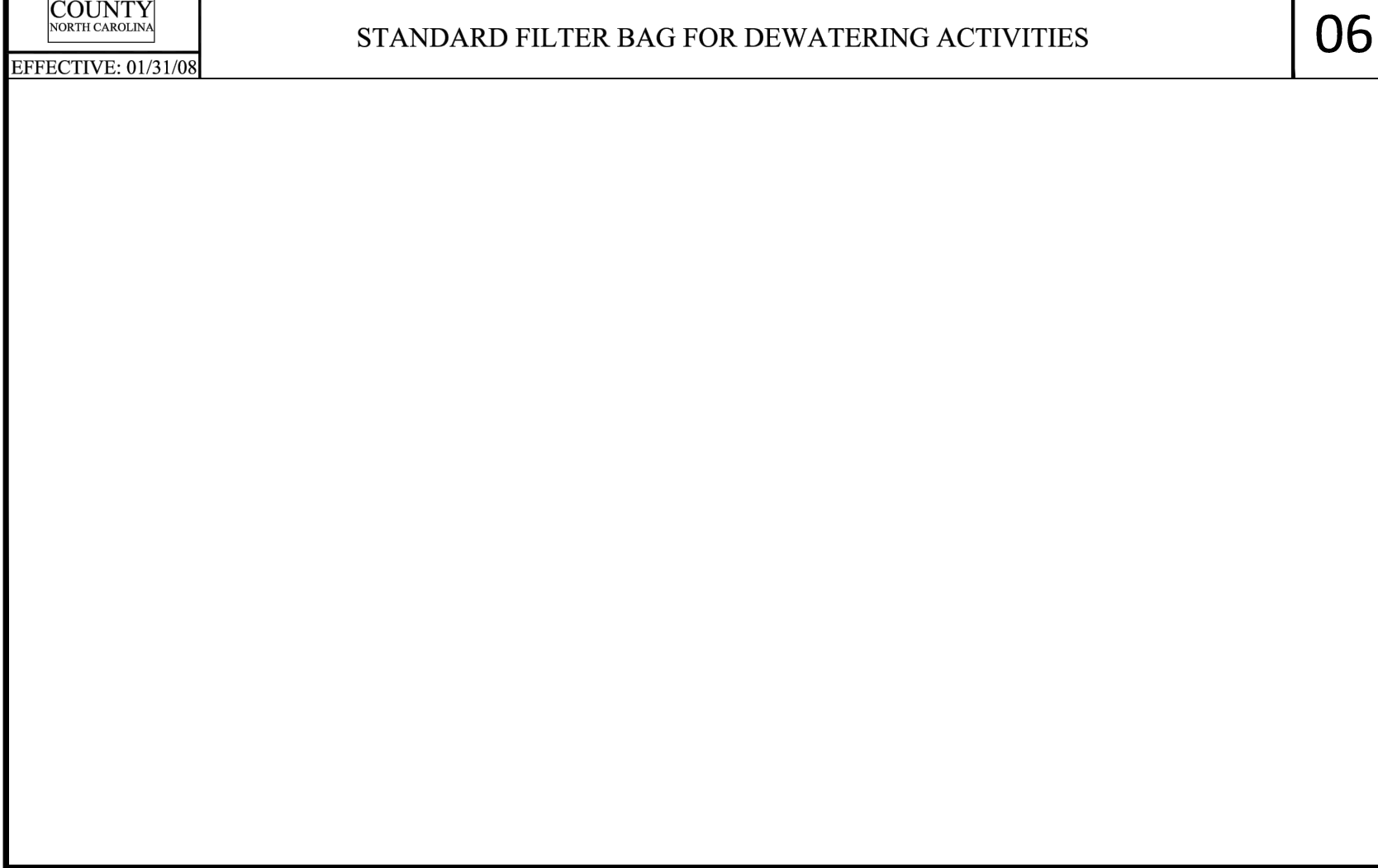
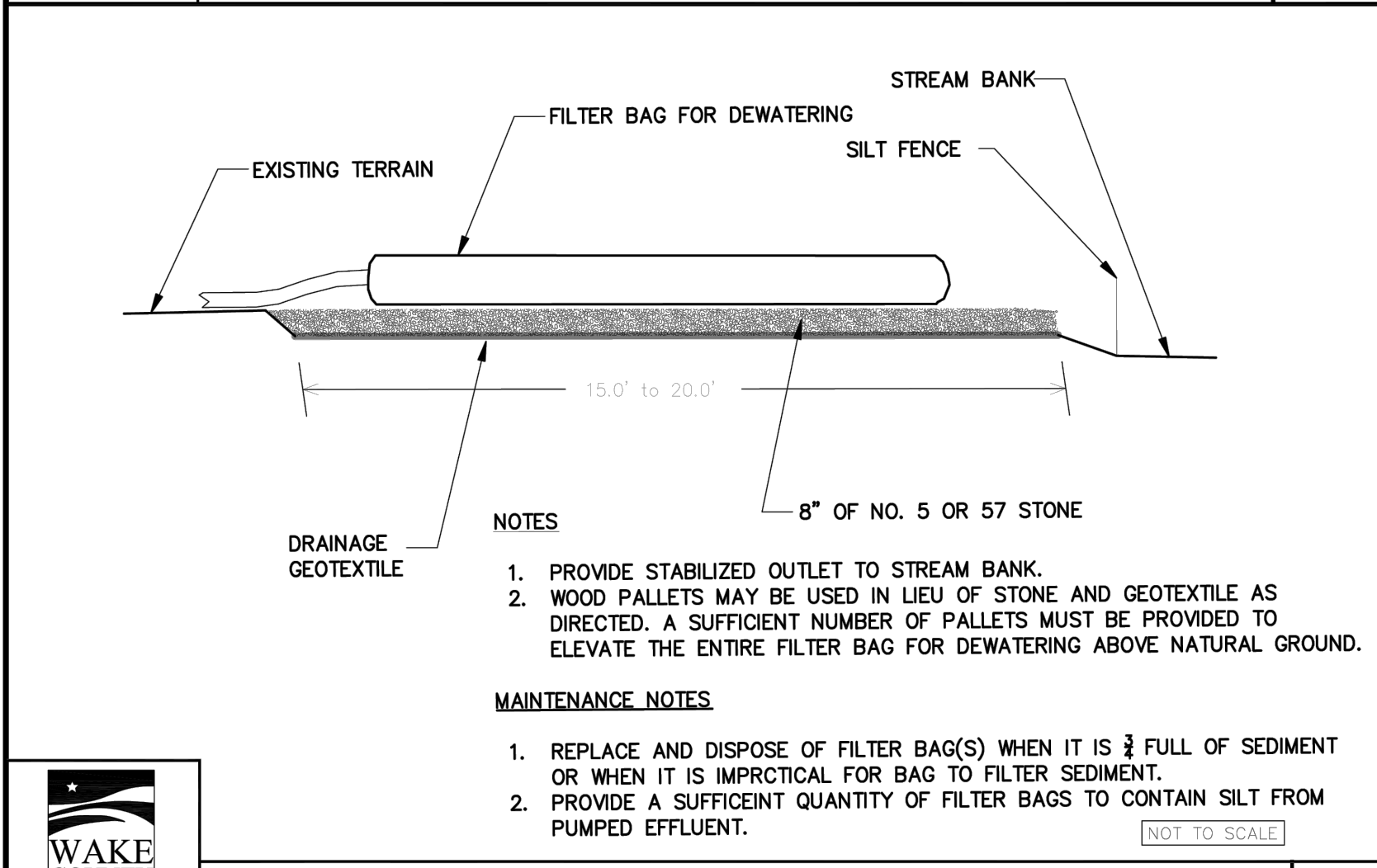
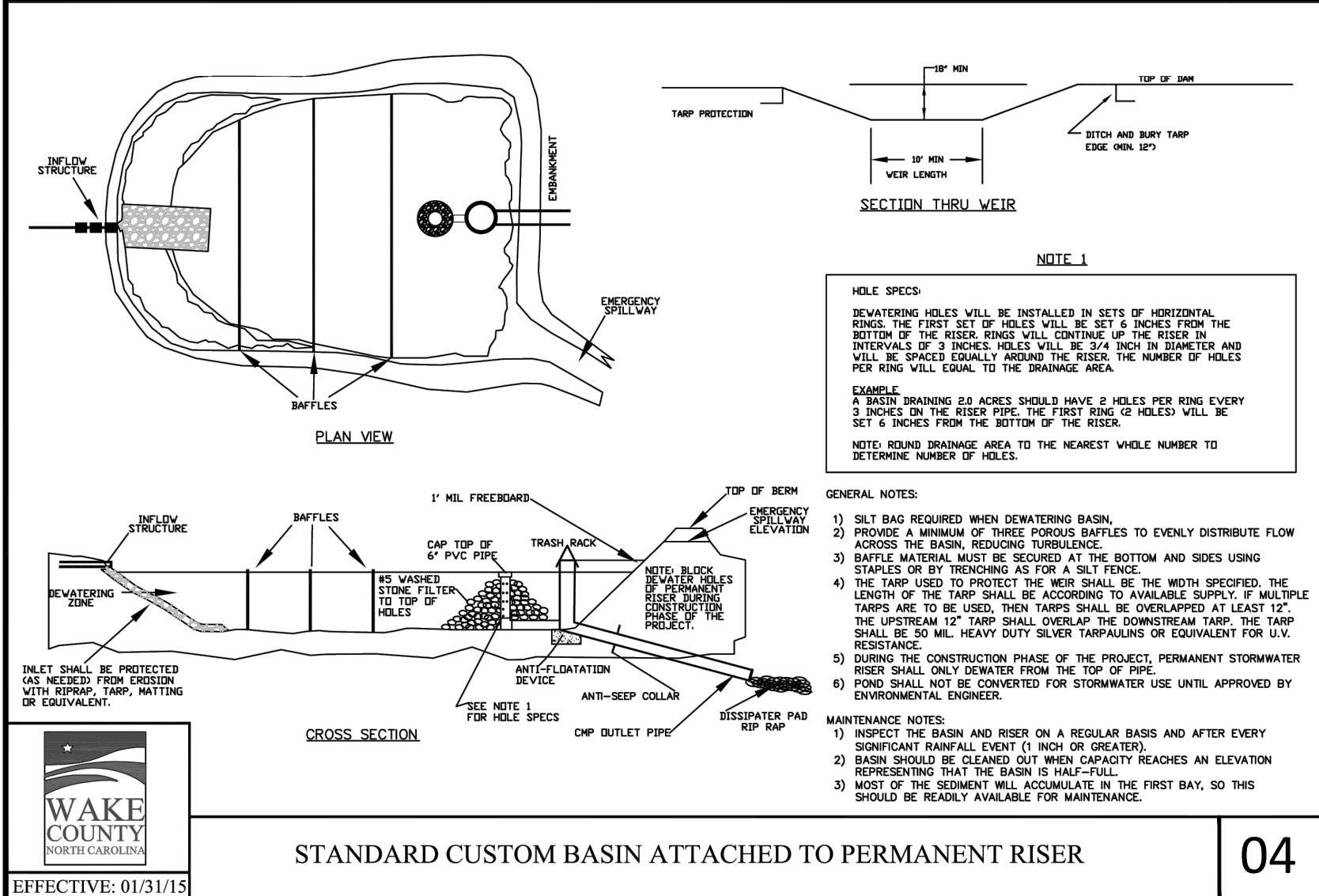
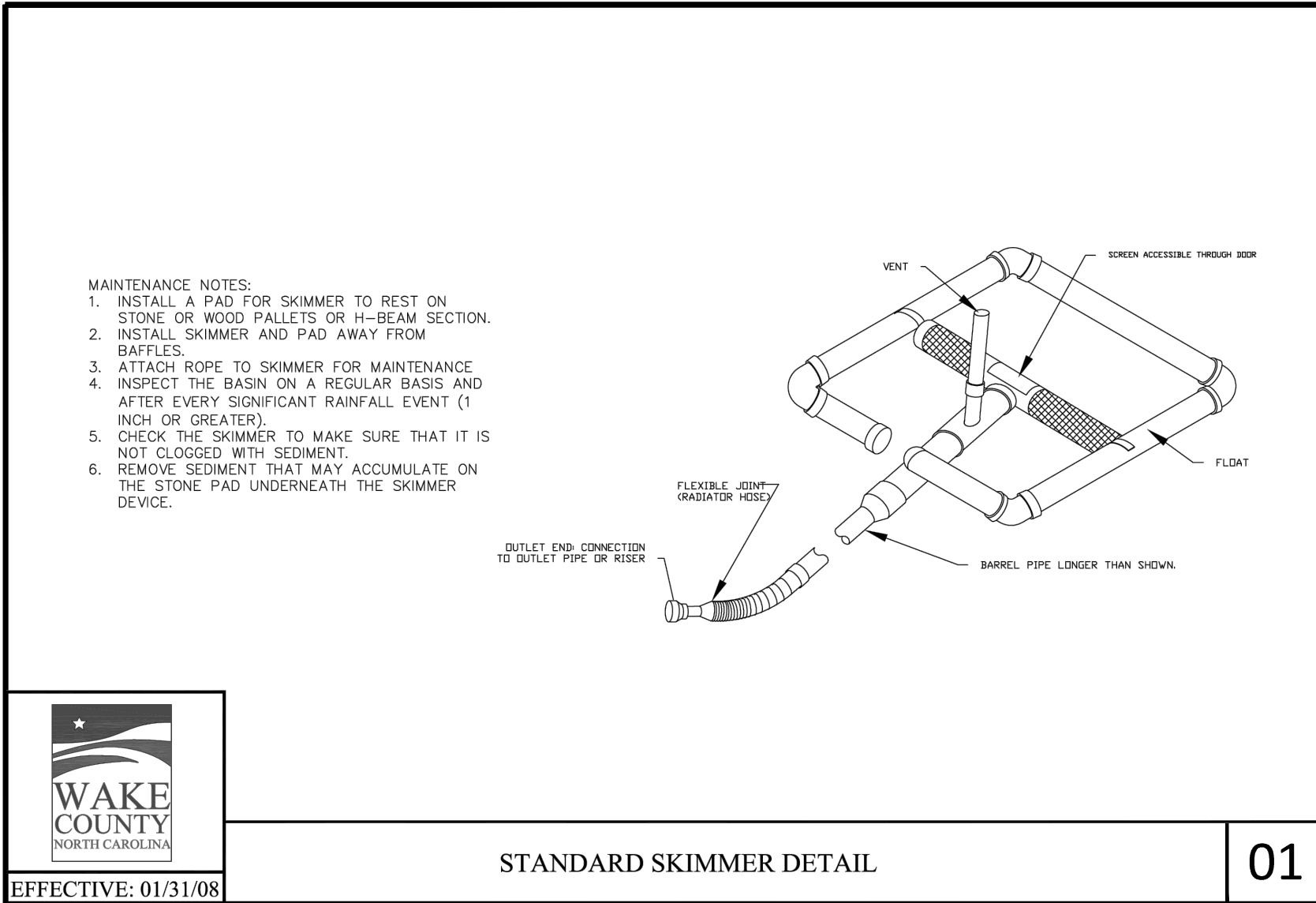
SHEET TITLE:

EROSION CONTROL DETAILS

SHEET NO.: _____

CE-500





AMERICAN Engineering
American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
919-469-1101

PRELIMINARY
FOR INFORMATION, ONLY

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE EROSION CONTROL DETAILS
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-0004
CHECKED BY: BH
DRAWN BY: DH/RC/SM/GE/MA/LL/JB
DATE: 05/01/2025
SHEET TITLE: EROSION CONTROL DETAILS
SHEET NO.: CE-502

PROJECT NUMBER = CID-25-02

North 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4969
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

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 activity 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

Required Ground Stabilization Timeframes		
Site 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 Zones -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:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • 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

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. 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

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. 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.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. 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

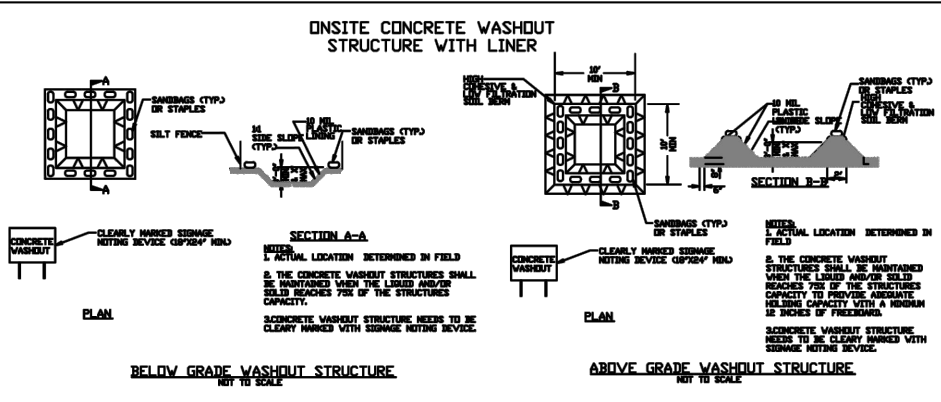
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled,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

PORTABLE TOILETS

1. 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.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. 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

1. 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 available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. 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.



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. 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.
4. 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.
5. 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.
6. 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 spills or overflow.
7. 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.
8. 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.
9. 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

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. 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.
3. 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.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

1. 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

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 activity 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

Required Ground Stabilization Timeframes		
Site 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 Zones -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:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • 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

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. 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

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. 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.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. 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

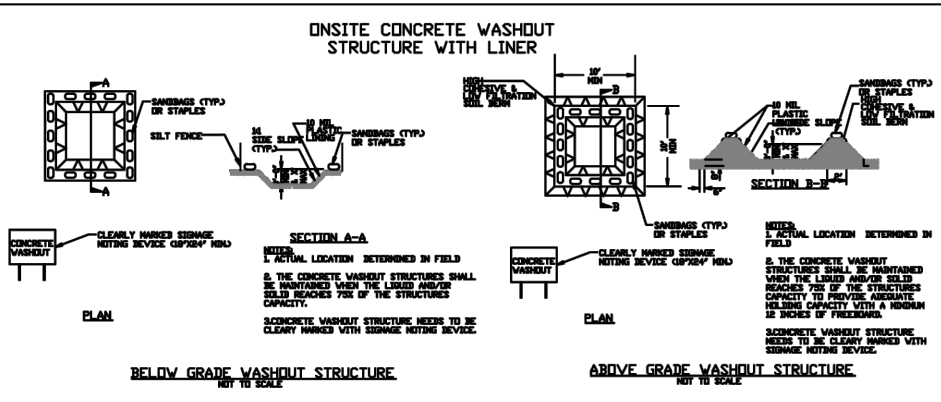
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled,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

PORTABLE TOILETS

1. 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.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. 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

1. 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 available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. 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.



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. 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.
4. 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.
5. 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.
6. 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 spills or overflow.
7. 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.
8. 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.
9. 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

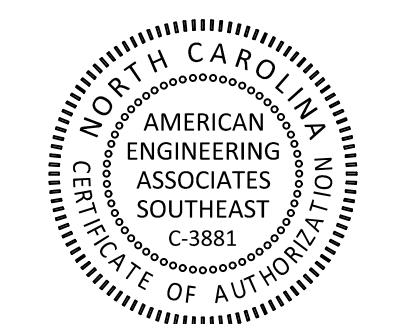
1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store 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.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

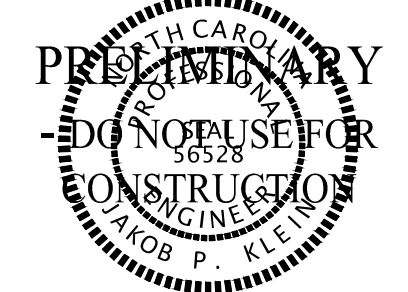
1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19



PRELIMINARY



FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	07/01/25	FIRST REVISION SET

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

MERRITT RESERVE
EROSION CONTROL
DETAILS
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

CHECKED BY: BH

DRAWN BY: DH/RC/SM/GE/MA/LJ/B

DATE: 05/01/2025

SHEET TITLE:

EROSION CONTROL
DETAILS

SHEET NO.:

CE-503



PROJECT NUMBER = CID-25-02