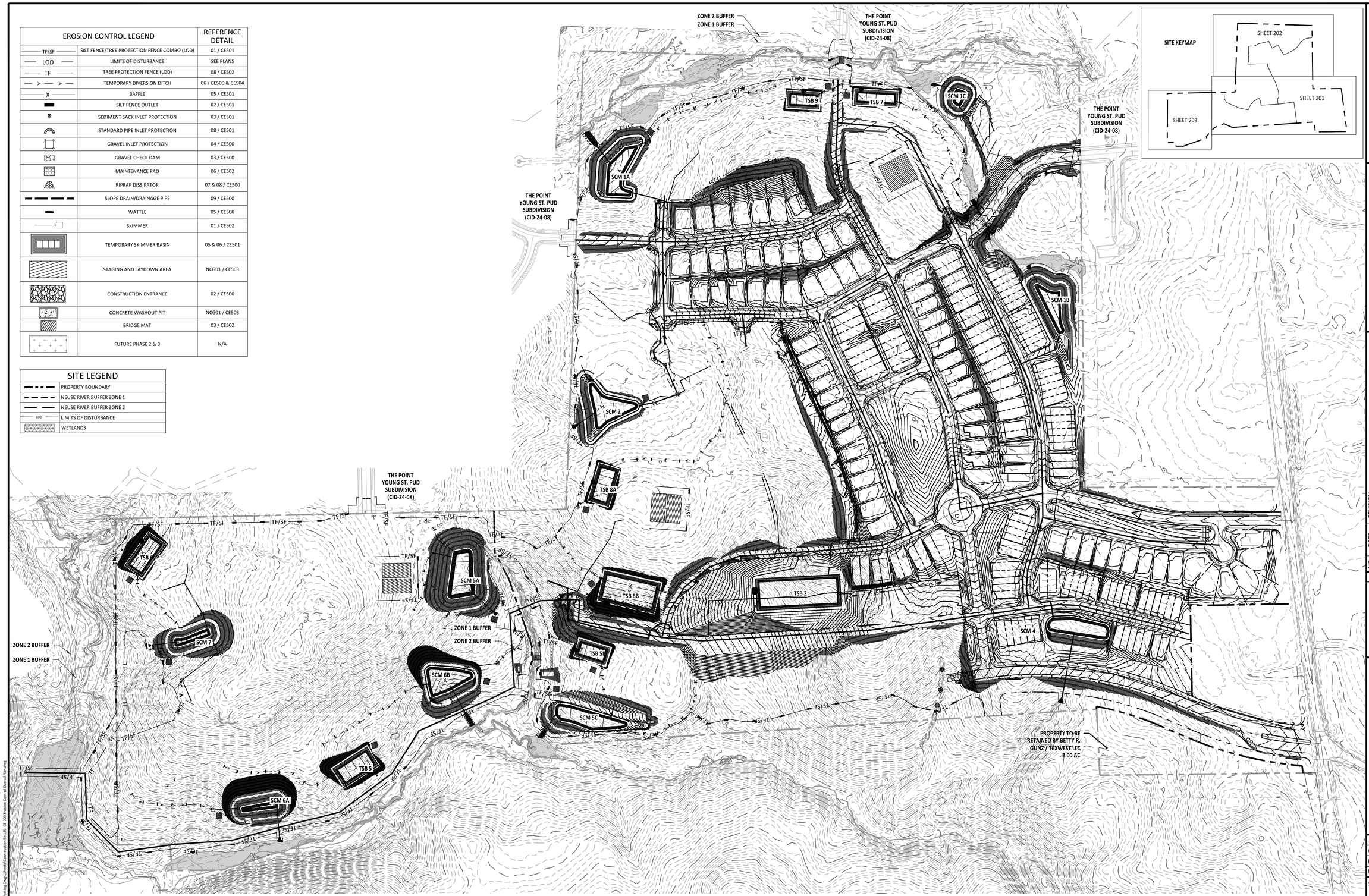
EROSION CONTROL LEGEND		REFERENCE DETAIL
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
X	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
	SEDIMENT SACK INLET PROTECTION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



GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)

1 inch = 150 ft

PROJECT NUMBER = CID-25-02

AMERICAN Engineering

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

PRELIMINARY
NOT RELEASED
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA 36528 ENGINEER TAYLOR P. KLEIN

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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 OVERALL

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 1 OVERALL

SHEET NO.:

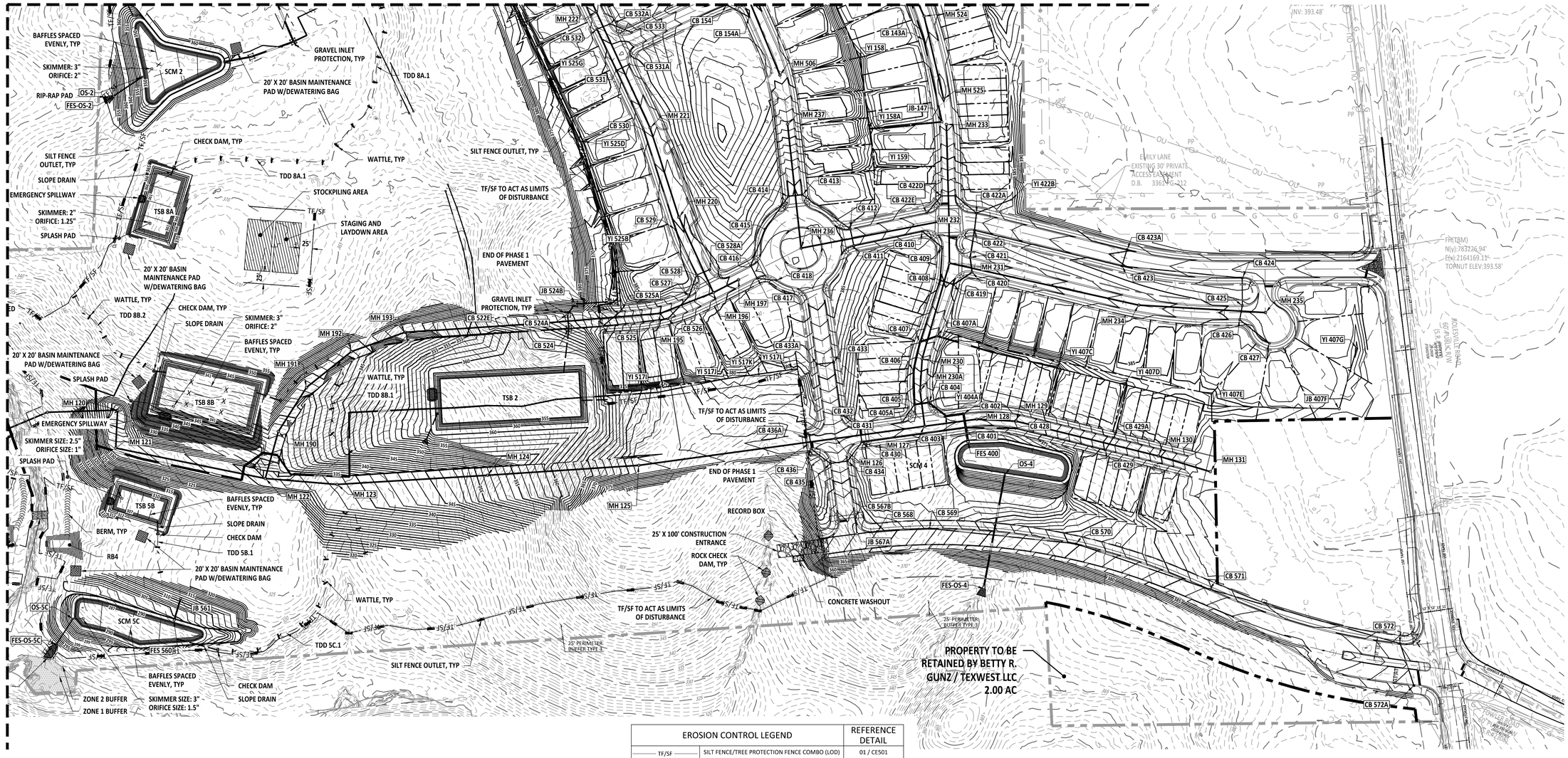
CE-200

North Carolina 811 811 or 1-800-632-4949

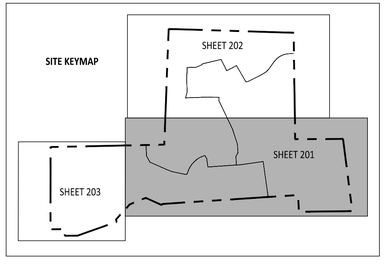
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merrit Property (BRD)\Dwg\Sheets\Construction Set\19. CE-200 Erosion Control Overall Plan.dwg

2025-09-03



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.**

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch = 100 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA ENGINEERING CORPORATION CERTIFICATE OF AUTHORIZATION AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881

PRELIMINARY

NOT FOR CONSTRUCTION

PRELIMINARY PLAT

DO NOT USE FOR CONSTRUCTION

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 36528 JAYCE P. KLEIN

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 1

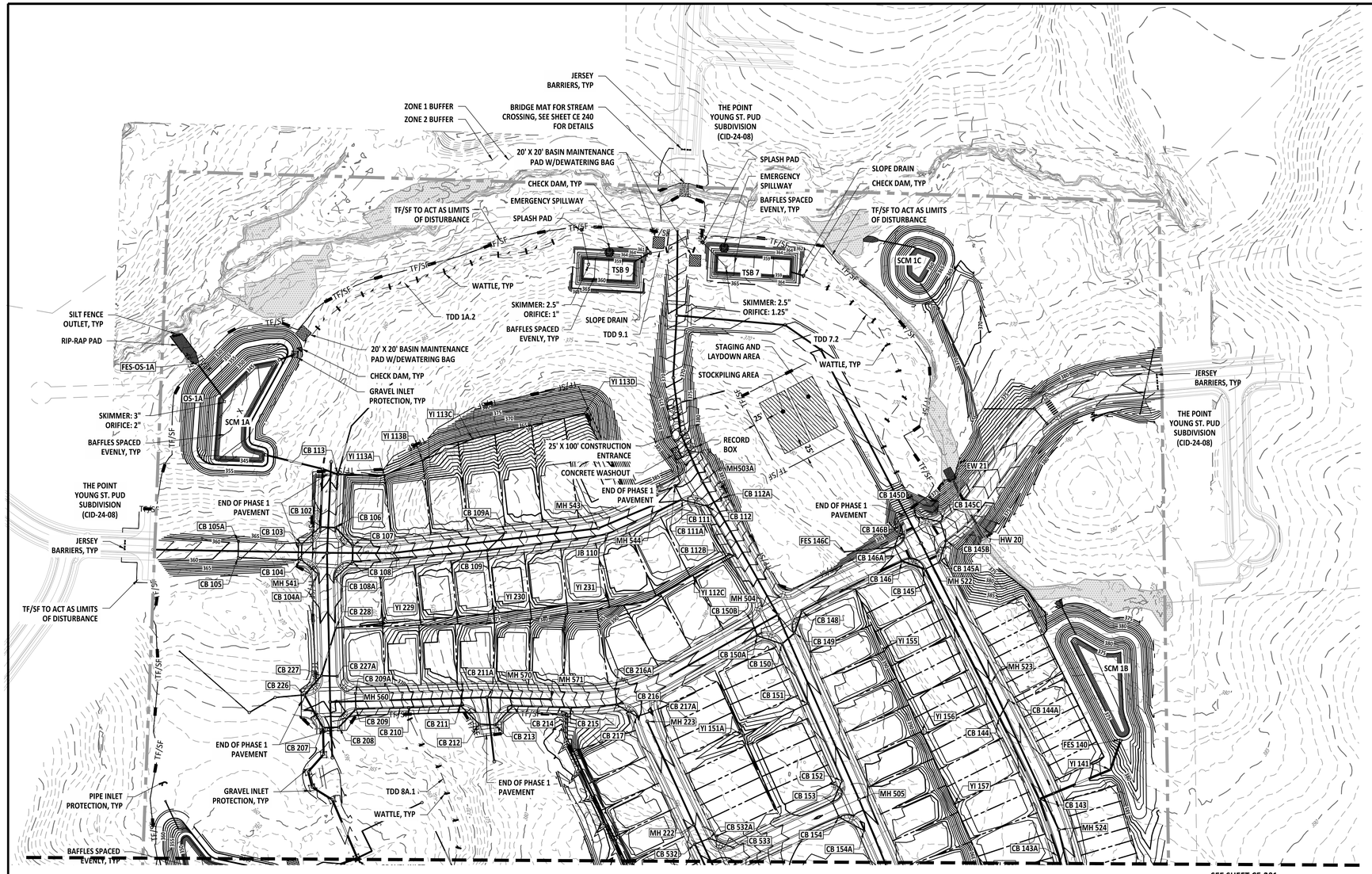
SHEET NO.:

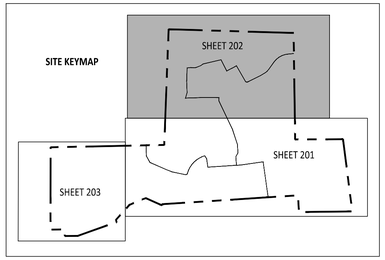
CE-201

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

Z:\Jobs\23-0004 Merritt Property BRP\Dwgs_Working Dwgs\Sheets\Construction Set\20. CE 201 Erosion Control (100 Scale).dwg

2025-09-03





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.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch = 100ft

PROJECT NUMBER = CID-25-02

AMERICAN Engineering

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NORTH CAROLINA PRELIMINARY JAMES M. KLEIN 36528 DO NOT USE FOR CONSTRUCTION ENGINEER

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 1

SHEET NO.:

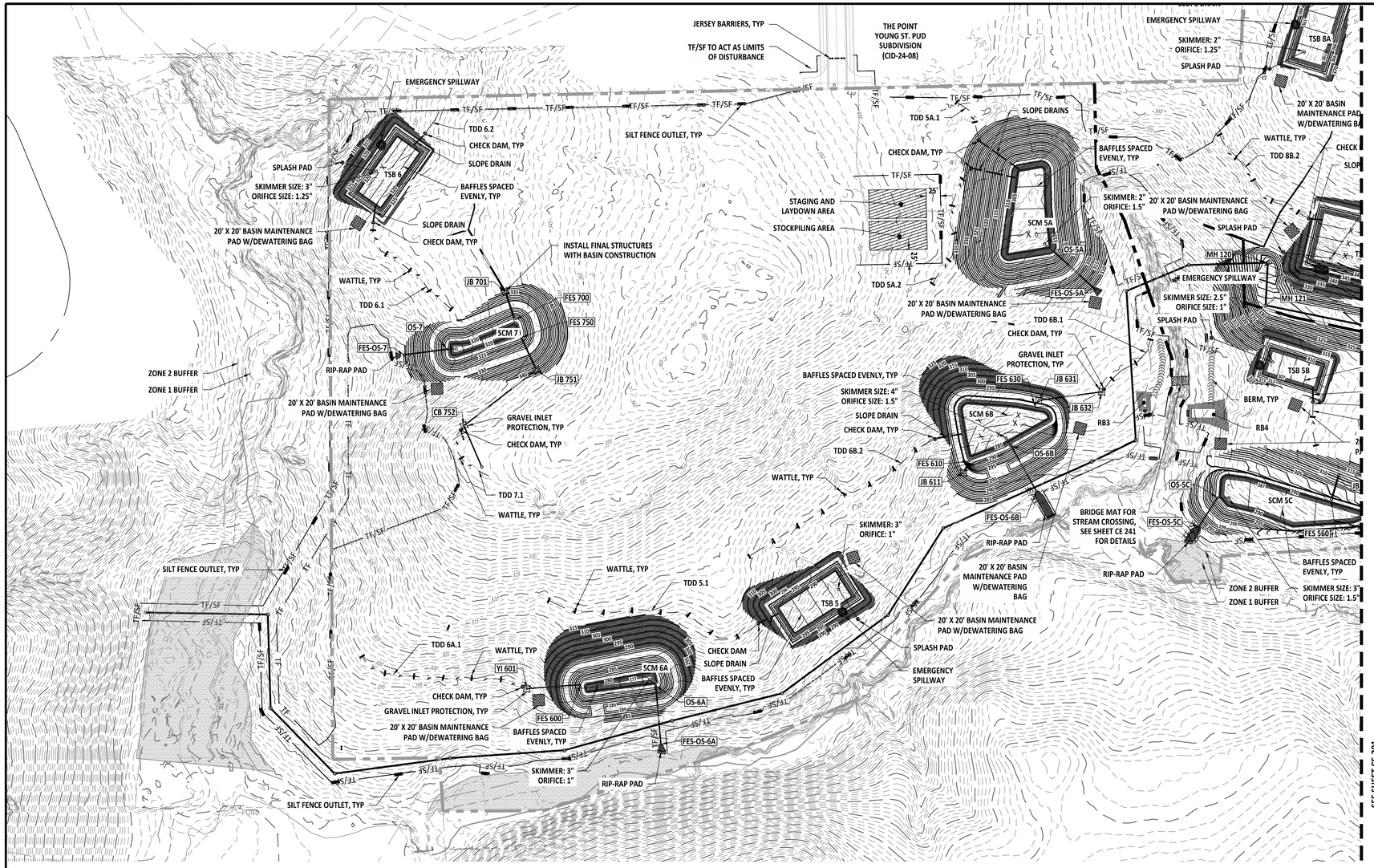
CE-202

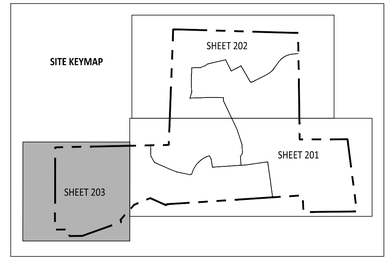
North Carolina 811

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

Z:\Jobs\23-0004 Merritt Property (BRP) (Real)_ Working Dwgs\Sheets\Construction Set\CE-202 Erosion Control (100 Scale).dwg

2025-09-03





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.**

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch = 100ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEIN

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS USTED, 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:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 1

SHEET NO.:

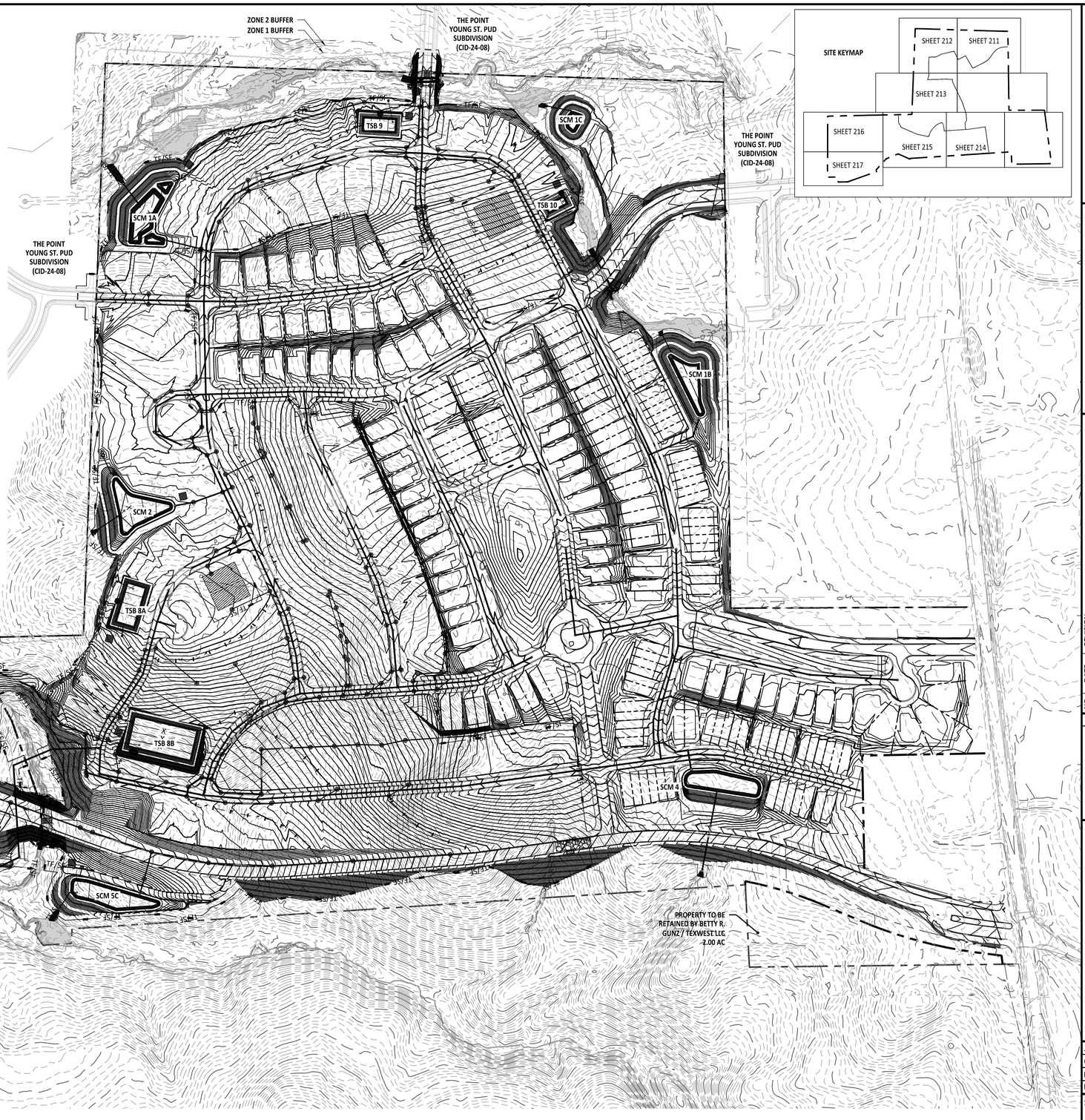
CE-203

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

Z:\Jobs\23-0004 Merritt Property 885\Revit_ Working Dwgs\Sheets\Construction Set\20_CE 201 Erosion Control (100 Scale).dwg
2025-09-03

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



GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)
1 inch = 150 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

PRELIMINARY
NOT FOR RECORDATION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA 36528 ENGINEER JAKOB P. KLEIN

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 2 OVERALL

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 2 OVERALL

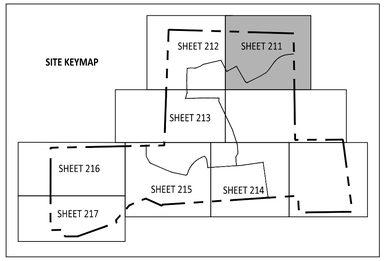
SHEET NO.:

CE-210

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

Z:\Jobs\23-0004 Merritt Property (BTO Awg)_Working Dwgs\Sheets\Construction Set\23 -CE-210 Erosion Control Overall Plan.dwg

2025-09-03



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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

North Carolina 811 Dial 3 Digits
*** 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

NORTH CAROLINA ENGINEERING CORPORATION AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA PROFESSIONAL ENGINEER 36528 JAXON P. KLEIN
FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECCOND WAKE COUNTY SUBMITTAL

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.

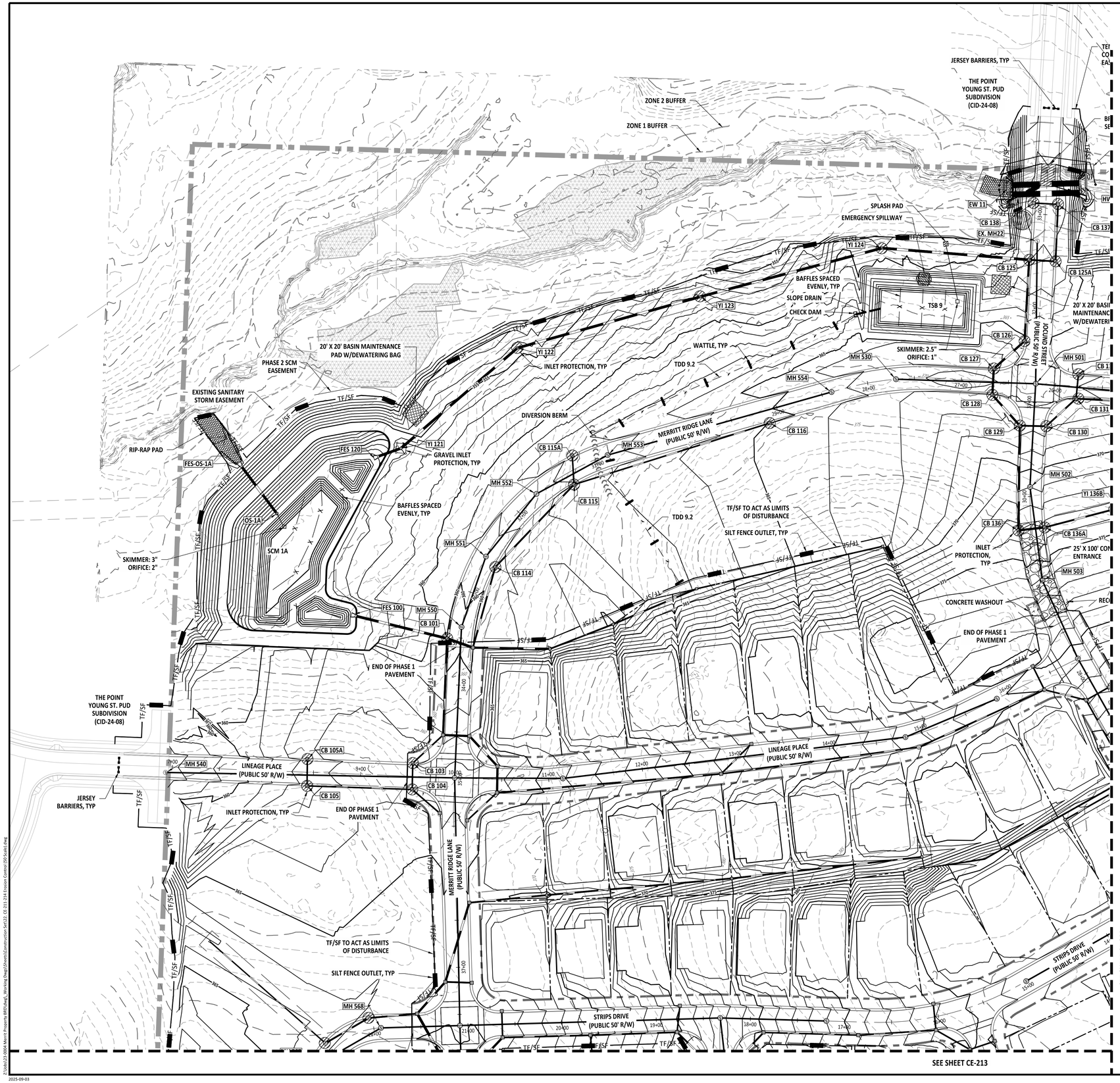
MERRITT RESERVE
EROSION CONTROL PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

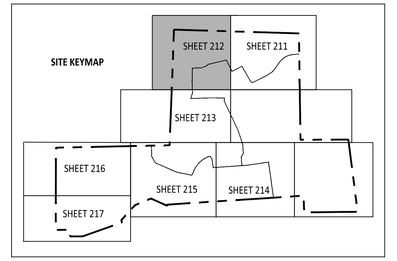
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:
CE-211

Z:\Jobs\23-0004 Merrit Property (RBV)\Awg_Working Dwgs\Sheets\Construction Set\22. CE 211-214 Erosion Control (50 Scale).dwg
2025-09-03





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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NOT FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN
DO NOT USE FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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

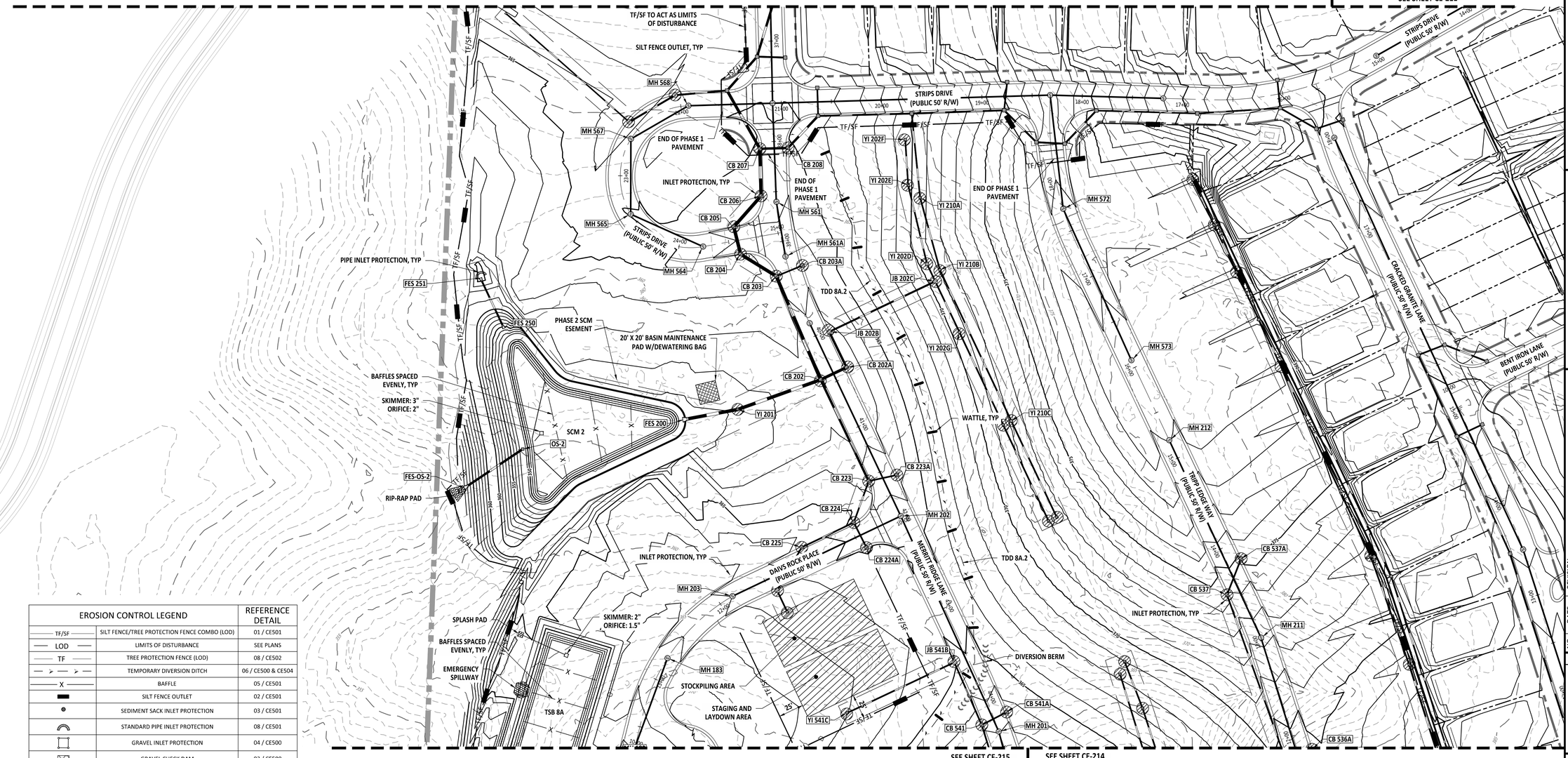
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:
CE-212

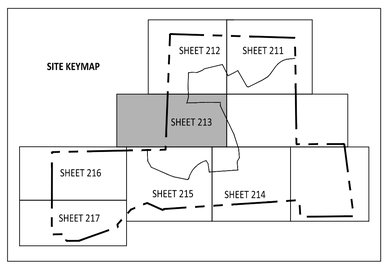
North Carolina 811 811 It's the Law
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merritt Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\22. CE-211-214 Erosion Control (50 Scale).dwg
2025-09-03



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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

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

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NORTH CAROLINA REGISTERED 36528 ENGINEER JAKOB P. KLEIN

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

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1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 2

ROLESVILLE RD

WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:

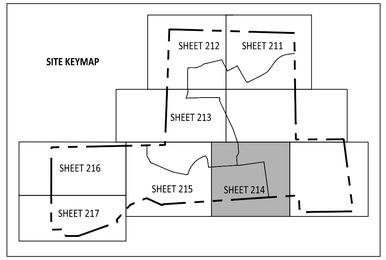
CE-213

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

Z:\Jobs\23-0004 Merritt Property 889\Revit_ Working Dwgs\Sheets\Construction Set\27. CE 211-214 Erosion Control (50-Scale).dwg

2025-09-03

SITE KEYMAP



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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN
DO NOT USE FOR CONSTRUCTION
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MERRITT RESERVE
EROSION CONTROL PHASE 2 & 3 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

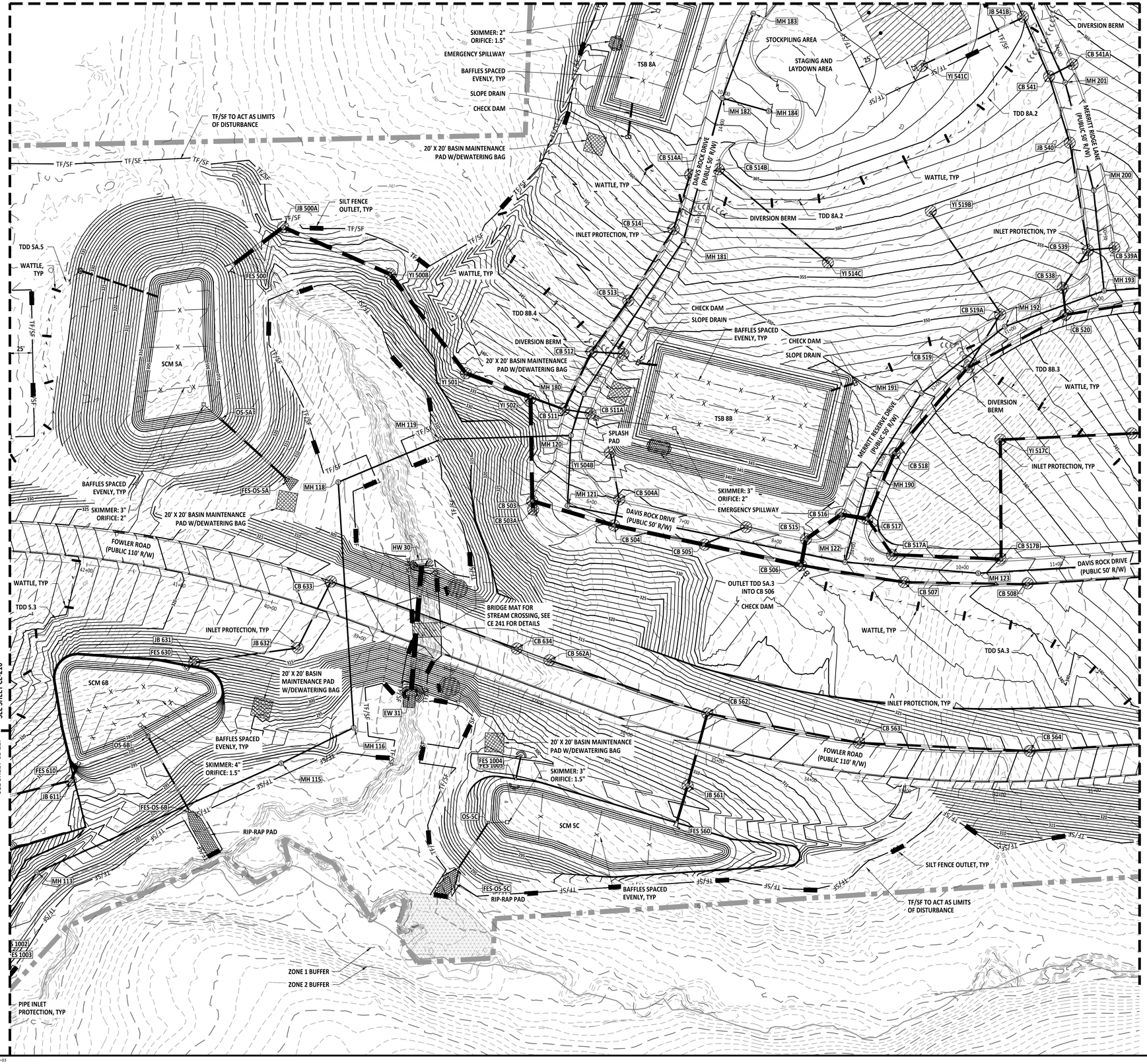
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

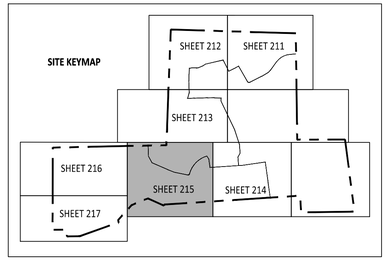
SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:
CE-214

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

Z:\Jobs\23-0004 Merrit Property BRD\dwg_Working Dwgs\Sheets\Construction Set\22. CE-211-214 Erosion Control (50 Scale).dwg
2025-09-03





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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

PROJECT NUMBER = CID-25-02

AMERICAN Engineering

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3861 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NORTH CAROLINA PRELIMINARY JAKOB P. KLEIN 36528 ENGINEER

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 2

ROLESVILLE RD

WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

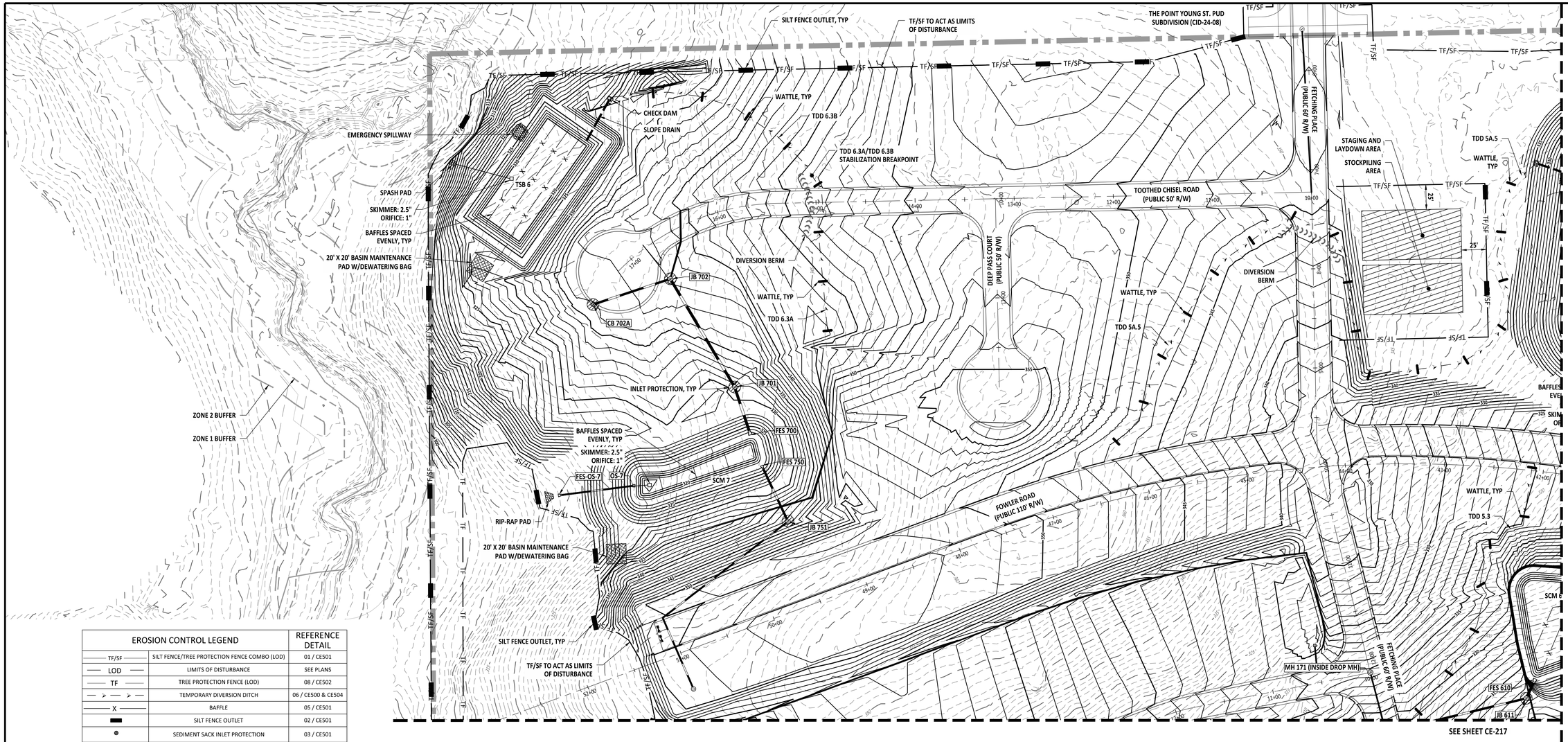
EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:

CE-215

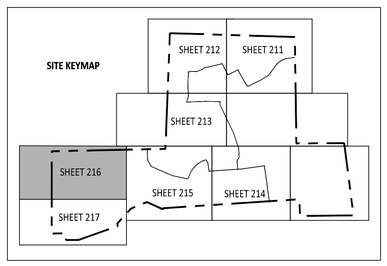
North Carolina 811 811 It's the Law!

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



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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

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

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

NORTH CAROLINA ENGINEERING CERTIFICATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881
CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEIN

PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 2

ROLESVILLE RD

WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

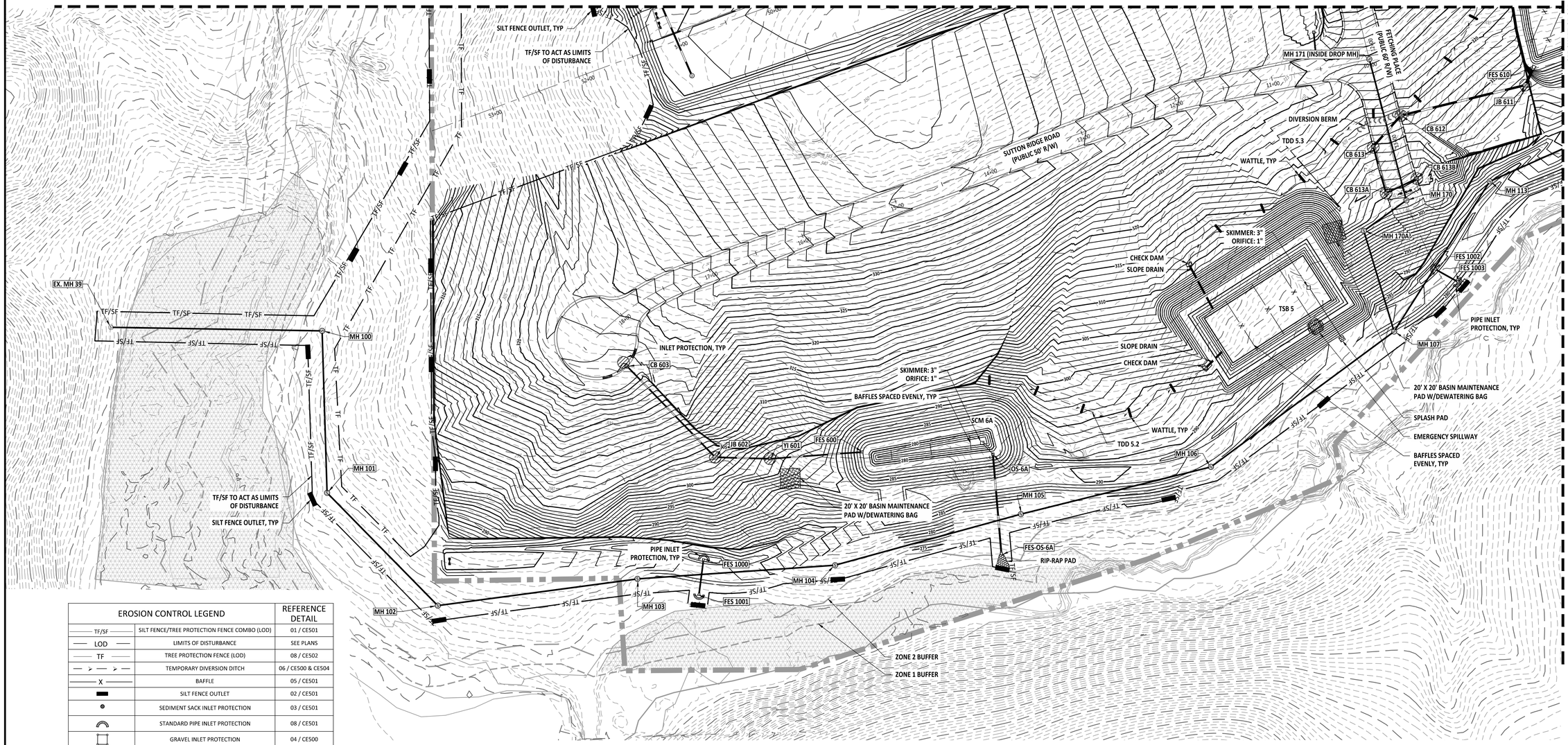
EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:

CE-216

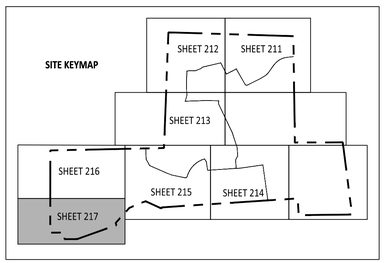
Z:\Jobs\23-0004 Merrit Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\23- CE 215-218 Erosion Control (SS Split).dwg

2025-09-03



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



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

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

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

NORTH CAROLINA ENGINEERING CERTIFICATE OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3851

PRELIMINARY

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
36528
DAVID P. KLEIN

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 2

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 2

SHEET NO.:

CE-217

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

Z:\Jobs\23-0004 Merritt Property BRP\Revit_Working Dwgs\Sheets\Construction Set\23_CE 215-218 Erosion Control (50-Scale).dwg

2025-09-03

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

ZONE 2 BUFFER
ZONE 1 BUFFER
THE POINT YOUNG ST. PUD SUBDIVISION (CID-24-08)
SCM 1A
SCM 1B
SCM 1C
SCM 2
SCM 4
SCM 5A
SCM 5C
SCM 6A
SCM 6B
SCM 7
PROPERTY TO BE RETAINED BY BETTY R. GUNZ / TEXWEST LLC 2.00 AC

SITE KEYMAP
SHEET 222
SHEET 221
SHEET 223
SHEET 226
SHEET 225
SHEET 224
SHEET 227

GRAPHIC SCALE
150 0 75 150 300 600
(IN FEET)
1 inch =150 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NORTH CAROLINA 36528 ENGINEER JAKOB P. KLEIN
DO NOT USE FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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 OVERALL

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

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

SHEET NO.:
CE-220

Z:\Jobs\23-0004 Merritt Property 885\dwg_Working Dwgs\Sheets\Construction Set\14_CE-220 Erosion Control (SF) Scale.dwg
2025-09-03

N/F
BROOKFIELD HOLDINGS(THE POINTE), LLC
D.B. 18774 PAGE 748
B.M. 2021 PAGE 1745
PIN# 1768.10-25-46.98
LAND USE: ACRES GREATER THAN 10 WITH HOUSE
ZONING: R&PUD

JERSEY BARRIERS, TYP

THE POINT YOUNG ST. PUD SUBDIVISION (CID-24-08)

ZONE 2 BUFFER

ZONE 1 BUFFER

SILT FENCE OUTLET, TYP

TF/SF TO ACT AS LIMITS OF DISTURBANCE

EXISTING GAS EASEMENT

EXISTING SANITARY STORM EASEMENT

THE POINT YOUNG ST. PUD SUBDIVISION (CID-24-08)

SCM 1C

SCM 1B

HW 10
EW 11
CB 138
EX. MH22
CB 125
CB 137
CB 125A
CB 126
CB 131A
CB 127
MH 501
CB 128
MH 520
CB 131
CB 132
MH 521
CB 129
CB 130
JB 133
CB 134A
MH 502
YI 133A
CB 134
YI 136B
CB 136
CB 136A
MH 503
CB 135

INLET PROTECTION, TYP

25' X 100' CONSTRUCTION ENTRANCE

RECORD BOX

CONCRETE WASHOUT

END OF PHASE 1 PAVEMENT

SILT FENCE OUTLET, TYP

TF/SF TO ACT AS LIMITS OF DISTURBANCE

GROUND STREET (PUBLIC 50' R/W)

STRIPS DRIVE (PUBLIC 50' R/W)

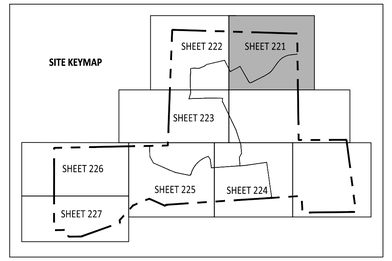
STRIPS DRIVE (PUBLIC 60' R/W)

MERRITT RIDGE LANE (PRIVATE 40' R/W)

ASHTON RALEIGH
D.B. 177
B.M. 20
PIN# 17
LAND L
ZONI

SEE SHEET CE-222

SITE KEYMAP



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
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
X	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CES01
	SEDIMENT SACK INLET PROTECTION	03 / CES01
	STANDARD PIPE INLET PROTECTION	08 / CES01
	GRAVEL INLET PROTECTION	04 / CE500
	GRAVEL CHECK DAM	03 / CE500
	MAINTENANCE PAD	06 / CES02
	RIPRAP DISSIPATOR	07 & 08 / CE500
	SLOPE DRAIN/DRAINAGE PIPE	09 / CE500
	WATTLE	05 / CE500
	SKIMMER	01 / CES02
	TEMPORARY SKIMMER BASIN	05 & 06 / CE501
	STAGING AND LAYDOWN AREA	NCG01 / CES03
	CONSTRUCTION ENTRANCE	02 / CE500
	CONCRETE WASHOUT PIT	NCG01 / 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
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.**

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
PRELIMINARY PLAT
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA PROFESSIONAL ENGINEER 36528 JAYOR P. KLEIN
FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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

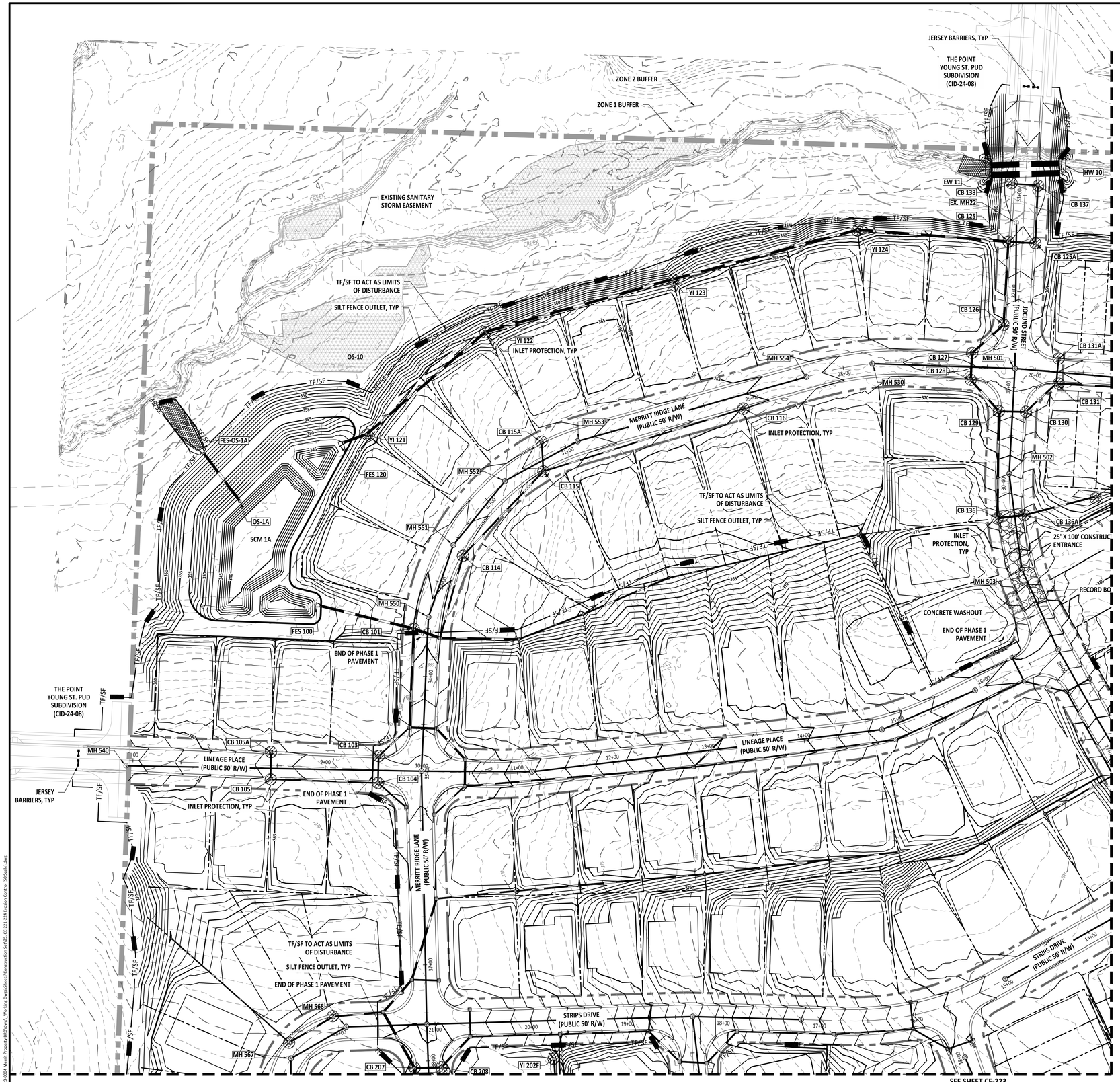
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

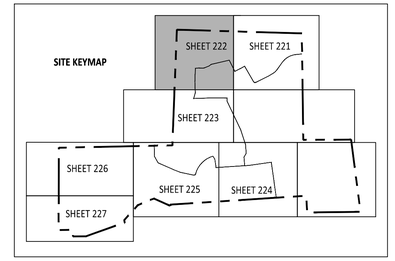
SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 3

SHEET NO.:
CE-221

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

Z:\Jobs\23-0004 Merritt Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\25_07_23 Erosion Control (SB Subs).dwg
2025-09-03





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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAYOR P. KLEIN
DO NOT USE FOR CONSTRUCTION
FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LI
DATE:	08/04/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 3

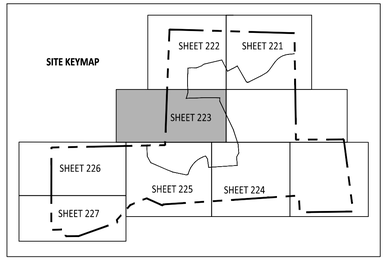
SHEET NO.:
CE-222

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

Z:\Jobs\23-0004 Merritt Property BBP\Arch_ Working Dwgs\Sheet\Construction Set\25 CE 221-224 Erosion Control (50-Scale).dwg
2025-09-03

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
	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
LOD	LIMITS OF DISTURBANCE
	WETLANDS



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

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

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

NORTH CAROLINA ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

PRELIMINARY
NOT FOR RECORDATION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA 36528 ENGINEER JAYSON P. KLEIN

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 3

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 3

SHEET NO.:

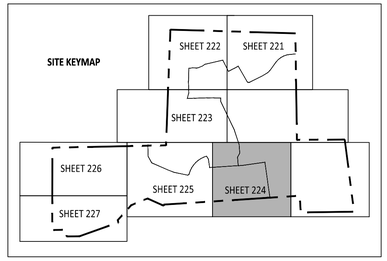
CE-223

North Carolina 811 811.com

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

Z:\Jobs\23-0004 Merrit Property (RBP)\Dwgs_Working Dwgs\Sheets\Construction Set\25. CE 221-224 Erosion Control (50 Scale).dwg

2025-09-03



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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3861 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEIN

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

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MERRITT RESERVE

EROSION CONTROL PHASE 2 & 3 STAGE 3

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 3

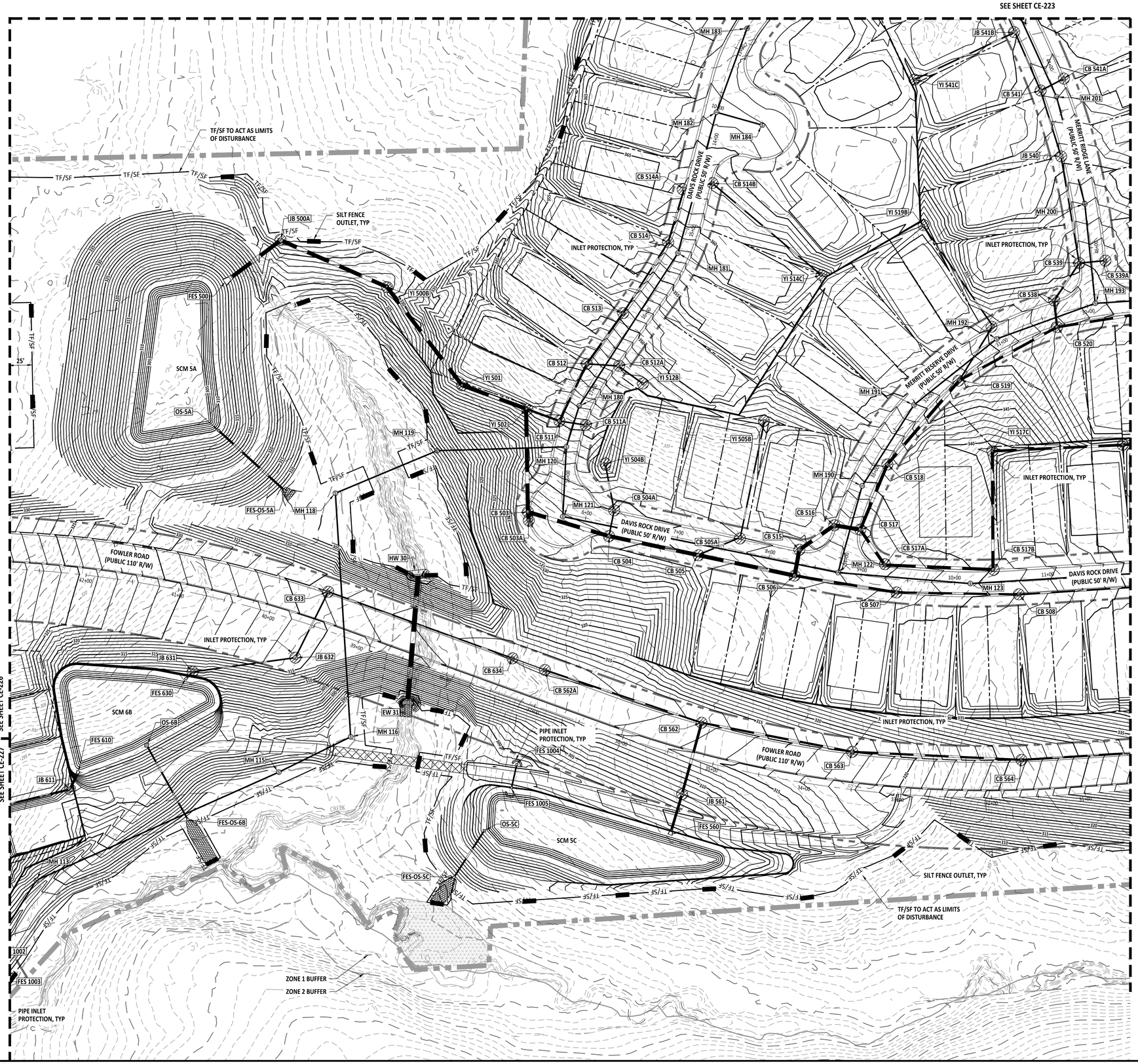
SHEET NO.:

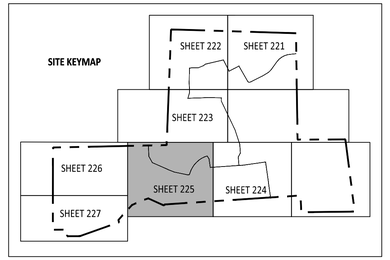
CE-224

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

Z:\Jobs\23-0004 Merritt Property BRD\dwg_Working Dwgs\5-Sheets\Construction Set\25- CE 221-224 Erosion Control (05-Sheets).dwg

2025-09-03





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.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

PRELIMINARY NOT FOR RECORDATION, SALES OR CONVEYANCE
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA 36528 ENGINEER JAKOB P. KLEIN

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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

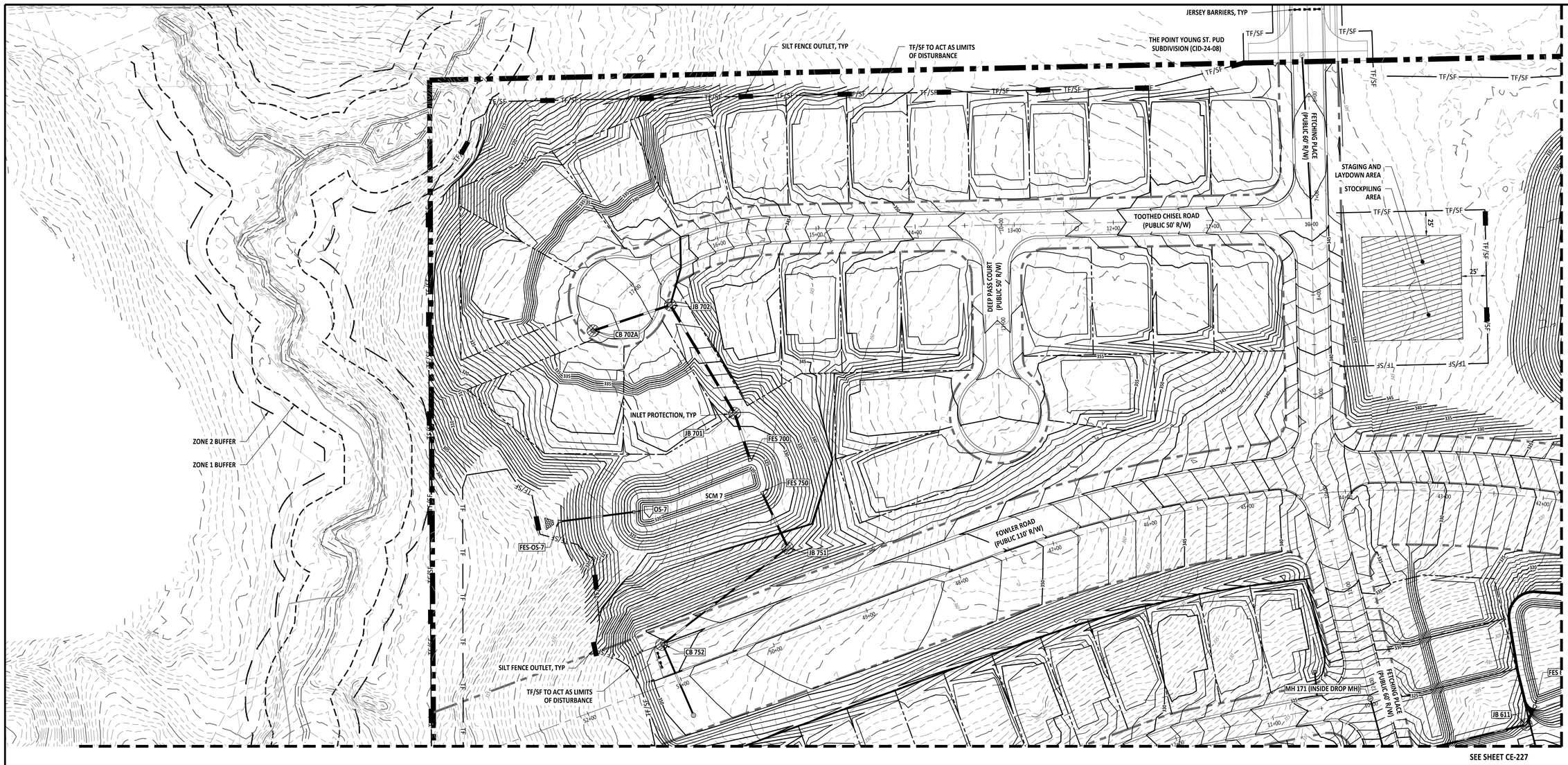
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 3

SHEET NO.:
CE-225

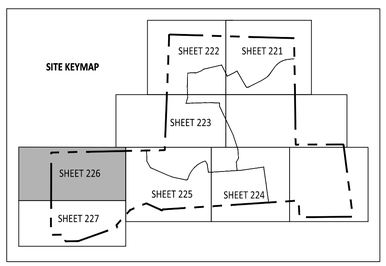
North Carolina 811 811 it's the law
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merrit Property (BBD)\Dwg_Working Dwgs\Sheets\Construction Set\26. CE 225-228 Erosion Control (50-Scale).dwg
2025-09-03



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
	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
CWP	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
LOD	LIMITS OF DISTURBANCE
	WETLANDS



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

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

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

NORTH CAROLINA CERTIFICATE OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

PRELIMINARY
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528
TAYLOR P. KLEIN

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 STAGE 3

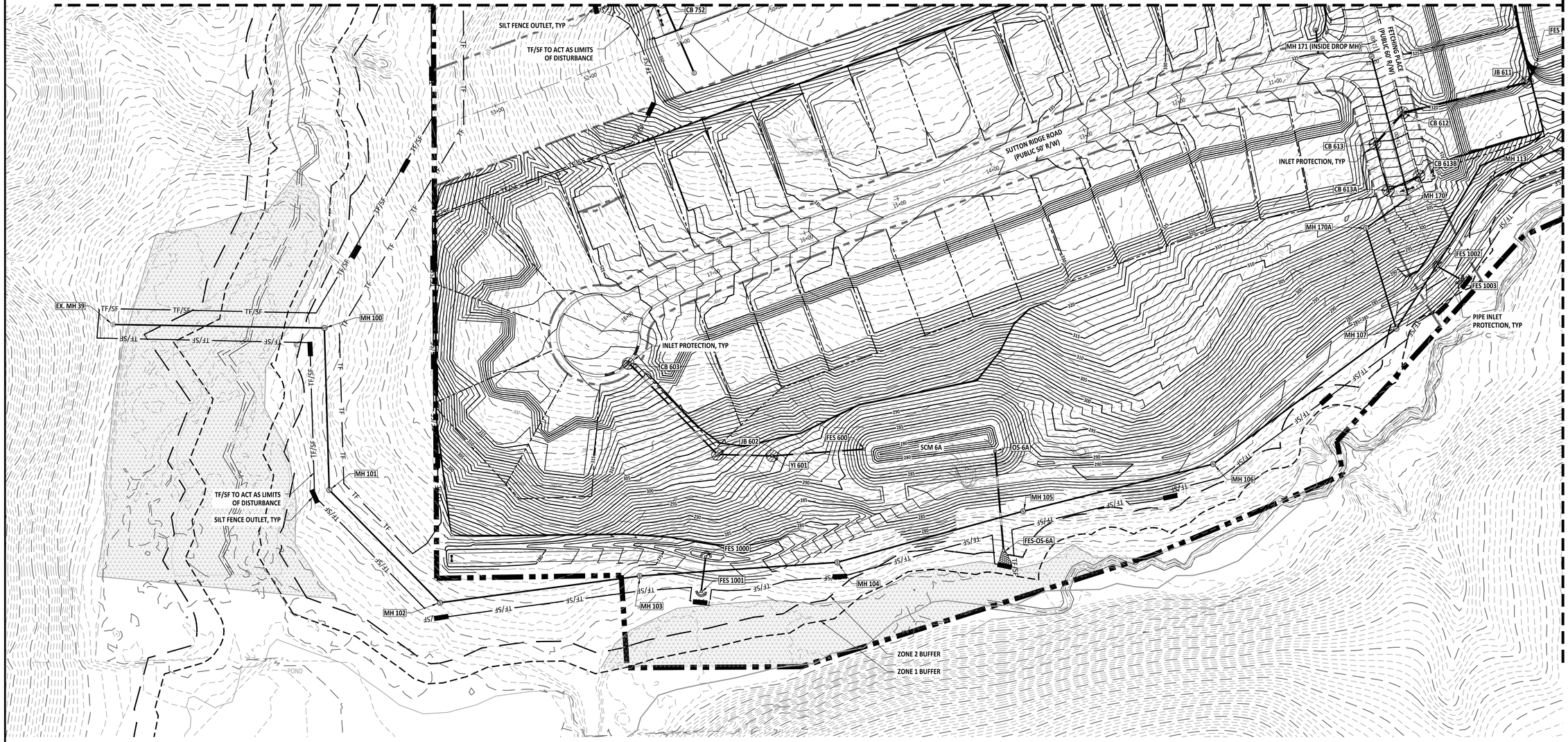
SHEET NO.:
CE-226

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

Z:\Jobs\23-0004 Merritt Property (BRP)\Dwg_Working Dwgs\Sheets\Construction Set\24. CE 225-228 Erosion Control (SS Scale).dwg
2025-09-03

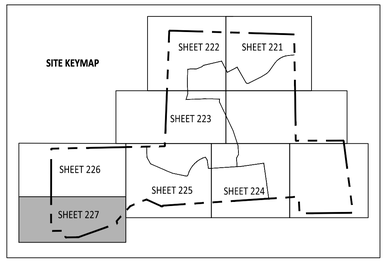
SEE SHEET CE-226

SEE SHEET CE-225



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
	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
LOD	LIMITS OF DISTURBANCE
	WETLANDS



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

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

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

NORTH CAROLINA ENGINEERING CORPORATION AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

PRELIMINARY

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NORTH CAROLINA REGISTERED
36528
ENGINEER
TAYLOR P. KLEIN

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL PHASE 2 & 3 STAGE 3

SHEET NO.:

CE-227

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

Z:\Jobs\23-0004 Merrit Property (BFD)\dwg_Working Dwgs\Sheets\Construction Set\CE 225-228 Erosion Control (SS Sale).dwg
2025-09-03

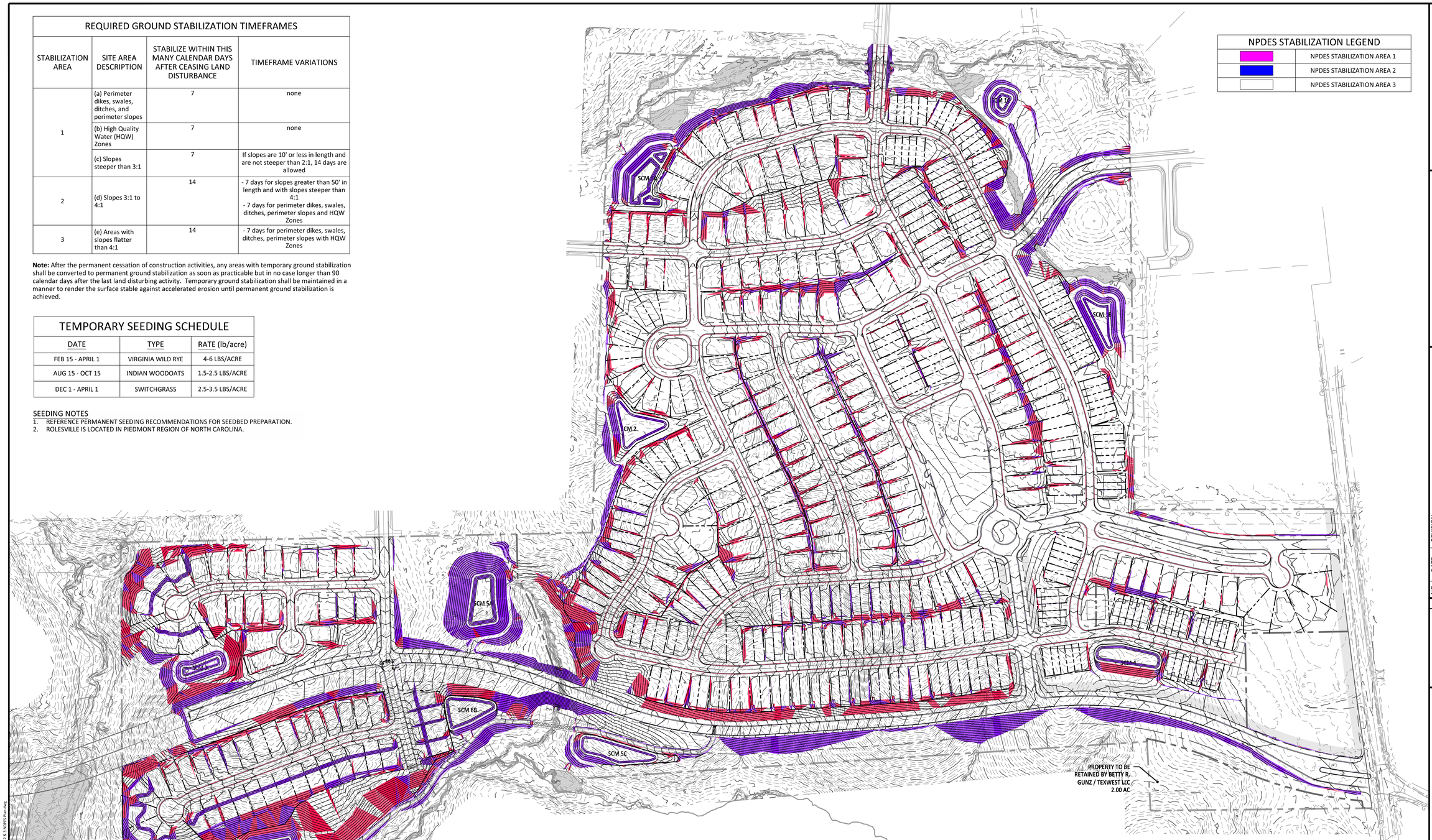
REQUIRED GROUND STABILIZATION TIMEFRAMES			
STABILIZATION AREA	SITE AREA DESCRIPTION	STABILIZE WITHIN THIS MANY CALENDAR DAYS AFTER CEASING LAND DISTURBANCE	TIMEFRAME VARIATIONS
1	(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	none
	(b) High Quality Water (HQW) Zones	7	none
	(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
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
1. REFERENCE PERMANENT SEEDING RECOMMENDATIONS FOR SEEDBED PREPARATION.
2. ROLESVILLE IS LOCATED IN PIEDMONT REGION OF NORTH CAROLINA.

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



NDPES DOCUMENTATION NOTES

1. THIS PAGE IS SUBMITTED TO COMPLY WITH THE NPDES GENERAL STORMWATER PERMIT NCG010000.
2. THIS PAGE CAN BE APPROVED BY THE CITY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.
3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
4. 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.

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)
1 inch =150 ft

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
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DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED 36528 ENGINEER JAKOB P. KLEIN
FOR INFORMATION, ONLY

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

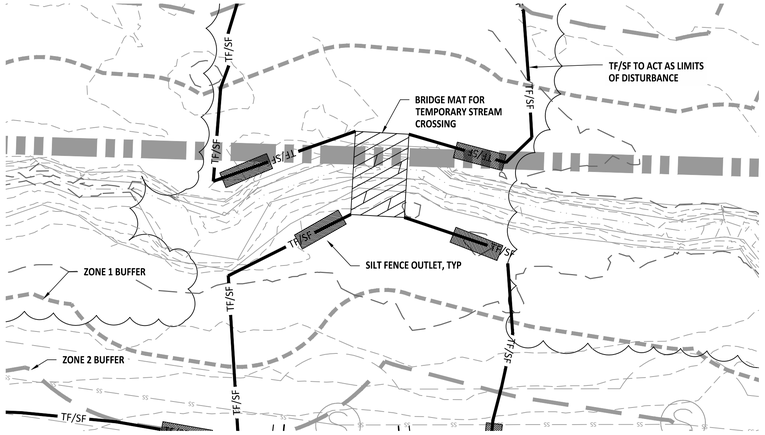
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
EROSION CONTROL PHASE 2 & 3 NDPES PLAN

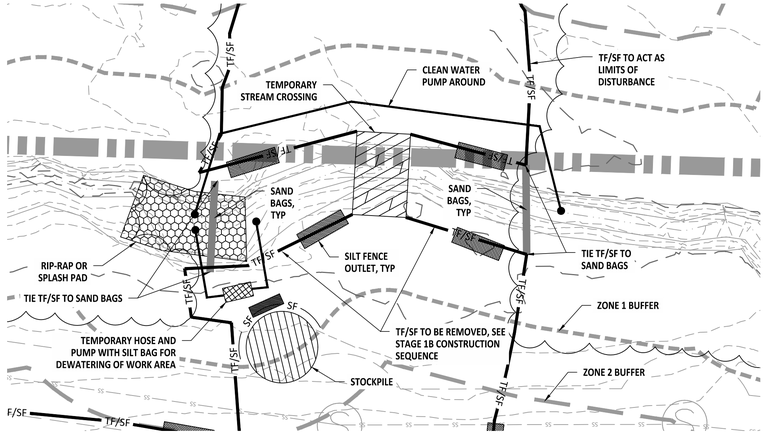
SHEET NO.:
CE-230

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

Z:\Jobs\23-0004 Merritt Property BRP\Revit_Working Dwgs\Sheets\Construction Set\37. CE 230 PHASE 2 & 3 NDPES Plan.dwg
2025-09-03



INITIAL CULVERT CROSSING FOR JOCUND STREET



INTERMEDIATE CULVERT CROSSING FOR JOCUND STREET

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft

SEQUENCE FOR CULVERT CROSSING (FOR CLEAN WATER PUMP AROUND)

STAGE 1A CREEK CROSSING INSTALLATION

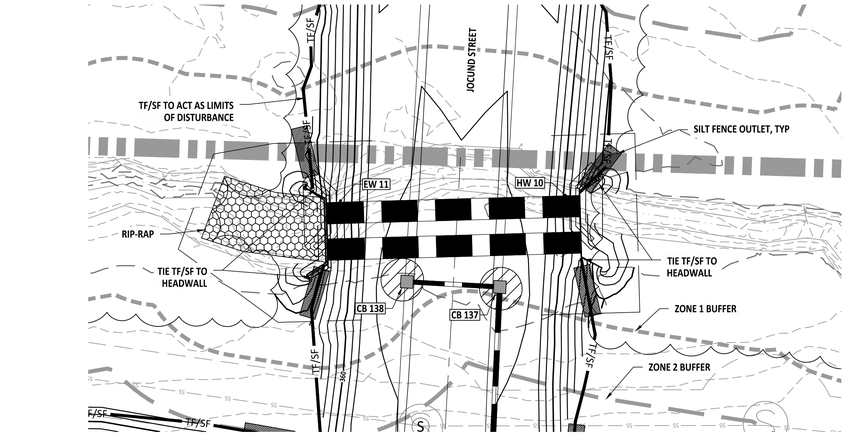
1. CONDUCT MEETING WITH WAKE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE STREAM CROSSING CONSTRUCTION.
2. INSTALL THE BRIDGE MAT AND SILT FENCE AS SHOWN IN THE INITIAL STREAM CROSSING.
3. PLACE A TEMPORARY RIP-RAP PAD OR SPLASH PAD AT THE DOWNSTREAM END OF THE TEMPORARY HOSE TO PREVENT EROSION. CONTRACTOR 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.

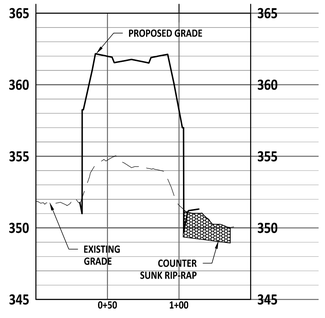


FINAL CULVERT CROSSING FOR JOCUND STREET

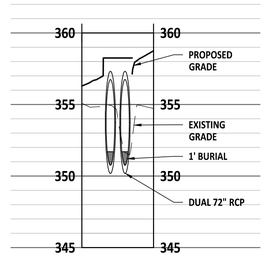
GRAPHIC SCALE

20 0 10 20 40 80

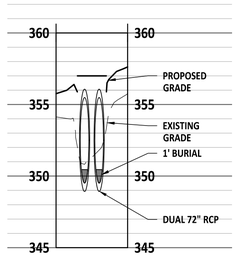
(IN FEET)
1 inch = 20 ft



CULVERT CROSS SECTION



CULVERT CROSSING SECTION VIEW (UPSTREAM END)



CULVERT CROSSING SECTION VIEW (DOWNSTREAM END)

Horizontal 50 0 50 100 200
Vertical 5 0 5 10 20

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

PROJECT NUMBER = CID-25-02

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3851 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN

FOR INFORMATION, ONLY

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MERRITT RESERVE

EROSION CONTROL CULVERT CROSSING PHASE 2 & 3

ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:

EROSION CONTROL CULVERT CROSSING PHASE 2 & 3

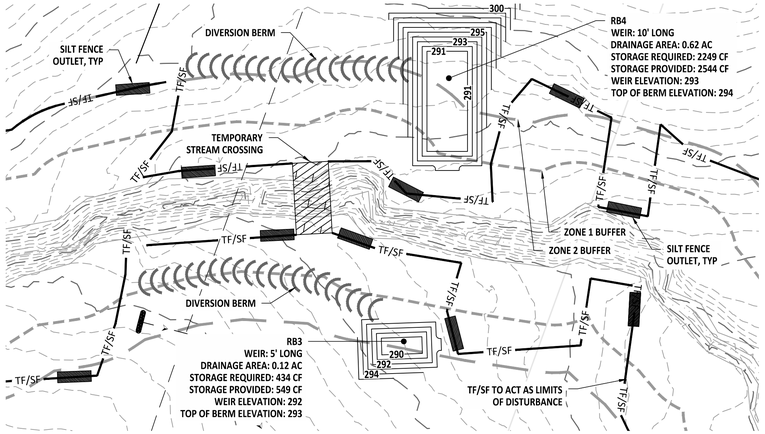
SHEET NO.:

CE-240

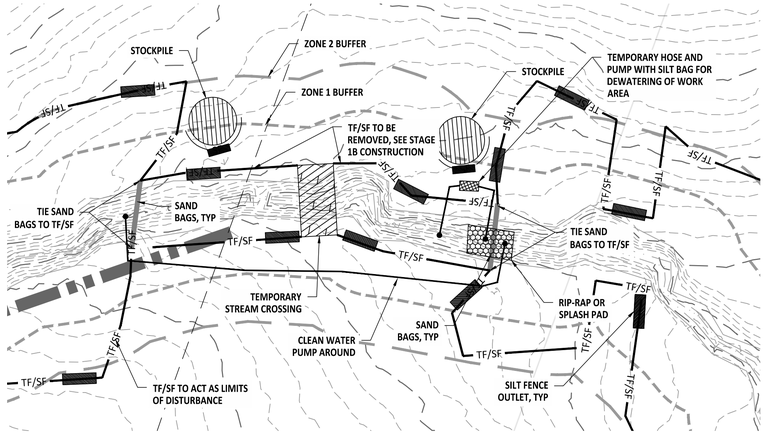
North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merritt Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\28. CE-240 CULVERT CROSSING PHASE 2 & 3.dwg

2025-09-03



INITIAL CULVERT CROSSING FOR FOWLER ROAD



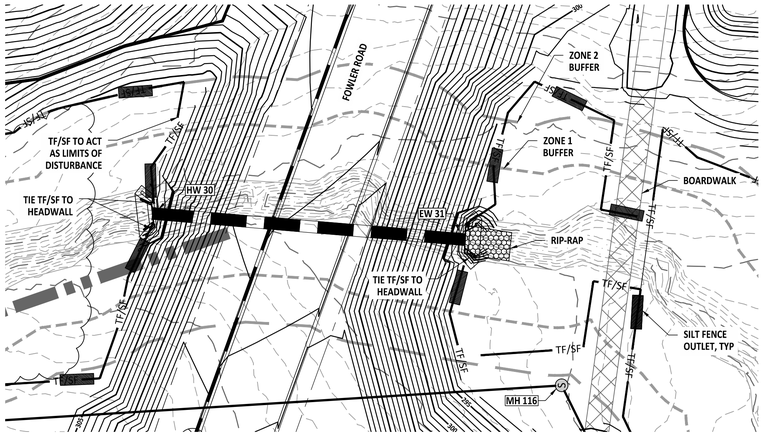
INTERMEDIATE CULVERT CROSSING FOR FOWLER ROAD

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft


FOWLER ROAD
ZONE 2 BUFFER
ZONE 1 BUFFER
BOARDWALK
TF/SF TO ACT AS LIMITS OF DISTURBANCE
TIE TF/SF TO HEADWALL
HW 30
EW 31
RIP-RAP
TIE TF/SF TO HEADWALL
SILT FENCE OUTLET, TYP
MH 116
TF/SF
TF/SF
TF/SF