ZONING CONDITIONS FOR THE MERRITT RESERVE

REZ-24-01

PINS 1758-92-8330 (PORTION OF), 1768-23-6815 AND 1768-32-8863 (PORTION OF)

1. REFER TO THE ASSOCIATED CONCEPT PLAN WITH REZ-24-01, APPROVED ON 11/07.

2. NO SINGLE TOWNHOUSE BUILDING SHALL CONTAIN MORE THAN SIX UNITS.

3. CONSTRUCTION OF THE ON-SITE AMENITIES SHALL BE COMPLETED ON OR BEFORE THE ISSUANCE OF THE CERTIFICATE OF COMPLIANCE/OCCUPANCY FOR THE 300TH UNIT.

4. THIS WILL BE AN AGE-RESTRICTED DEVELOPMENT LIMITED TO RESIDENTS AGED 55 AND OLDER IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR AGE RESTRICTED HOUSING ESTABLISHED BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.

5. NO MORE THAN 505 UNITS WILL BE PERMITTED FOR THE DEVELOPMENT WITH THE MAXIMUM NUMBER OF ATTACHED UNITS LIMITED TO 278.

6. THE FOLLOWING USES ARE PROHIBITED IN THE PORTION OF THE SITE TO BE ZONED GENERAL COMMERCIAL DISTRICT: TATTOO ESTABLISHMENT, VAPE AND TOBACCO STORE, VEHICLE RENTAL, AND SALES.

7. THE FOLLOWING USES ARE PROHIBITED IN THE PORTION OF THE SITE TO BE ZONED RESIDENTIAL MEDIUM DENSITY: TELECOMMUNICATIONS TOWER

8. THE DEVELOPER SHALL INSTALL A TYPE 2 BUFFER IN THE SOUTHWEST CORNER OF THE PROPERTY AS SHOWN ON EXHIBIT B WITH REZ-24-01, APPROVED ON 11/07.

9. ONE (1) BUILDING CONSISTING OF TWO (2) TOWNHOME UNITS SHALL BE DEVELOPED AND DONATED AS PART OF HEROES FOR HOME OR SIMILAR ORGANIZATION PROVIDING HOMES TO VETERANS. DEVELOPER SHALL BE ENTITLED TO A WAIVER OF ALL TOWN OF ROLESVILLE PERMIT FEES FOR THESE UNITS.

10. ALL SINGLE-FAMILY DETACHED DWELLINGS SHALL HAVE THE FOLLOWING FEATURES:

A) AT LEAST ONE (1) SINGLE OR DOUBLE CAR GARAGE;
B) ALL GARAGE DOORS SHALL HAVE WINDOWS;
C) GROUND FLOOR ELEVATION AT THE FRONT DOOR SHALL BE MINIMUM OF 12" ABOVE AVERAGE GRADE ACROSS THE FRONT FAÇADE OF THE HOUSE.
D) IF MASONRY IS NOT THE PREDOMINANT FIRST FLOOR FINISH, THEN THE FRONT ELEVATION SHALL HAVE 2 TYPES OF SIDING. FOR EXAMPLE, HORIZONTAL SIDING MAY BE COMBINED WITH SHAKE/BOARD AND BATTEN;
E) ROOF MATERIALS SHALL BE ASPHALT SHINGLES, METAL COPPER OR WOOD;
F) ALL WINDOWS ON FRONT FAÇADE SHALL HAVE SHUTTERS OR WINDOW TRIM;
G) NO SINGLE-FAMILY DETACHED HOME SHALL BE CONSTRUCTED WITH A FRONT ELEVATION OR COLOR PALETTE THAT IS IDENTICAL TO THE HOME ON EITHER SIDE OF IT OR DIRECTLY ACROSS FROM IT; AND
H) A VARIED COLOR PALETTE SHALL BE USED THROUGHOUT THE SUBDIVISION.

11. ALL TOWNHOUSE DWELLINGS SHALL HAVE THE FOLLOWING FEATURES:

A) ONE (1) SINGLE OR DOUBLE CAR GARAGE
B) IF MASONRY IS NOT THE PREDOMINANT FIRST FLOOR FINISH, THEN THE FRONT ELEVATION SHALL HAVE 2 TYPES OF SIDING. FOR EXAMPLE, HORIZONTAL SIDING MAY BE COMBINED WITH SHAKE/BOARD AND BATTEN;
C) ROOF MATERIALS SHALL BE ASPHALT SHINGLES, METAL, COPPER OR WOOD;
D) NO TOWNHOUSE SHALL BE PAINTED A COLOR THAT IS IDENTICAL TO THE HOME ADJACENT ON EITHER SIDE OF IT; AND A VARIED PALETTE SHALL BE USED THROUGHOUT THE SUBDIVISION.

12. A HOMEOWNERS ASSOCIATION (HOA) SHALL BE ESTABLISHED IN ACCORDANCE WITH THE ROLESVILLE LAND DEVELOPMENT ORDINANCE. HOA DOCUMENTS MUST BE RECORDED WITH THE FINAL PLAT.

13. GARBAGE AND PET WASTE RECEPTACLES IN OPEN SPACE AREAS TO BE MAINTAINED BY THE HOA.

14. CONSTRUCTION DOCUMENTS FOR THE PROPERTY TO INCLUDE ON-LOT GRADING INCLUDING (I) PROPOSED FINISHED FLOOR ELEVATIONS. (II) 4- CORNER FINISHED-PAD SPOT ELEVATIONS. (III) 1-FOOT CONTOURS OF THE PROPOSED GRADES, (IV) PROPOSED HIGH POINT(S), (V) PROPOSED SWALE DIRECTIONS, SPOT ELEVATIONS, AND SLOPES AT NOT LESS THAN 1% AND (VI) OTHER INFORMATION AS NECESSARY TO DEMONSTRATE FUTURE FEASIBILITY OF COMPLIANCE WITH SECTION R401.3 OF THE NC RESIDENTIAL CODE.

15. THE DEVELOPER SHALL DESIGN AND CONSTRUCT A PUBLIC GREENWAY ALONG THE SOUTHERN PROPERTY BOUNDARY ADJACENT TO WITHIN THE PROPOSED SEWER EASEMENT AS SHOWN ON EXHIBIT C. ADDITIONAL DEDICATION OF A 40' GREENWAY EASEMENT ALONG THE LILIES FAMILY, LLC PROPERTY WILL BE FINALIZED AND DEDICATED TO THE TOWN ONCE THE APPROVAL HAS BEEN GRANTED BY THE TOWN OF ROLESVILLE FOR THE FUTURE GREENWAY CONNECTION WITH THE EXTENSION OF FOWLER ROAD.

OVERALL SITE DATA	
PIN	1768328863, 1768236815, 1758928330
DEED BOOK AND PAGE #	010194 016287 009920 02092 • 00077 • 01879
ZONING	RH-CZ & GC-CZ
TOTAL TRACT ACREAGE	16.745/ 98.166/ 37.367 TOTAL=152.278 AC
WATERSHED	HARRIS CREEK
TOWNSHIP	WAKE FOREST
RIVER BASIN	LOWER NEUSE
EXISTING USAGE	AGRICULTURE
PROPOSED USAGE	MIXED USE
STREAM CLASS	C;NSW
EXISTING TREE COVERAGE	12.96 AC
EXISTING IMPERVIOUS	.04 AC
PROPOSED IMPERVIOUS	54.67 AC
DENSITY	REQUIRED AND PROVIDED 3 UNITS/ACRE
FEMA FLOOD MAP	PANEL 1768 DATE JULY 19, 2022
SINGLE FAMILY DETACHED	REQUIRED AND PROVIDED 4,000 SF MIN. LOT AREA
ATTACHED UNITS	REQUIRED AND PROVIDED 1,900 SF MIN. LOT AREA
OPEN SPACE	REQUIRED 21.47 AC (15%) PROVIDED 37.65 AC (26.3%)
40' SINGLE FAMILY 50' SINGLE FAMILY ATTACHED DWELLINGS	140 87 278 TOTAL 505
MINIMUM BUILDING SETBACKS FRONT SETBACK SIDE SETBACK REAR SETBACK CORNER SIDE	REQUIRED DETACHED 15' 10' 15' 15'
MINIMUM BUILDING SETBACKS FRONT SETBACK SIDE SETBACK REAR SETBACK CORNER SIDE	PROVIDED DETACHED 20' 10' 15' 15'

MINIMUM BUILDING SETBACKS FRONT SETBACK SIDE SETBACK REAR SETBACK CORNER SIDE	REQUIRED ATTACHED 15' 5' 15' 15'
MINIMUM BUILDING SETBACKS FRONT SETBACK SIDE SETBACK REAR SETBACK CORNER SIDE	PROVIDED DETACHED 20' 5' 15' 15'
RESIDENTIAL PARKING	PROPOSED AND REQUIRED 2 PARKING SPOTS PER UNIT FOR SINGLE FAMILY ATTACHED AND DETACHED
PARKING FOR MAIL KIOSK	12 STANDARD 1 ADA 1 VAN ADA

PARKING CALCULATIONS FOR THE ATTACHED AND DETACHED UNITS ARE BASED ON TA 24-01.

RALEIGH WATER CONDITIONS:

THE FOLLOWING MUST BE COMPLETED PRIOR TO APPROVAL OF CONSTRUCTION DRAWINGS:

1. A DOWNSTREAM SEWER CAPACITY STUDY IN COMPLIANCE WITH THE PUBLIC UTILITIES DESIGN MANUAL SHALL BE SUBMITTED BY THE PROJECT ENGINEER FOR REVIEW AND APPROVAL.
2. A WATER MODEL IN COMPLIANCE WITH THE PUBLIC UTILITIES DESIGN MANUAL SHALL BE SUBMITTED BY THE PROJECT ENGINEER FOR REVIEW AND APPROVAL.
3. A DEED SHALL BE RECORDED WITH RALEIGH'S DEED TEMPLATE FOR ALL NECESSARY OFFSITE CITY OF RALEIGH SANITARY SEWER EASEMENTS TO ACCOMMODATE FUTURE SEWER LINE CONSTRUCTION.

PROJECT NARRATIVE

THIS PROJECT IS LOCATED IN ROLESVILLE, NORTH CAROLINA ASIDE THE ROLESVILLE ROAD FOWLER ROAD INTERSECTION. IT DRAINS TO TRIBUTARIES OF HARRIS BRANCH WHICH IS PART OF THE NEUSE RIVER BASIN. THE PROJECT CONSIST OF THREE SEPARATE PARCELS WITH A TOTAL PROJECT AREA OF THE PROJECT IS 152.278 AC. THE PROJECT IS ZONED FOR HIGH DENSITY, RESIDENTIAL AND GENERAL COMMERCIAL WITH A RESIDENTIAL DENSITY OF +/- 3 UNITS AN ACRE.

GENERAL NOTES:

1. CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL (1-800-632-4949) TO LOCATE ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES AND NOTIFY THE PROJECT ENGINEER (919-469-1101) OF ANY CONFLICTS.
3. ALL BOUNDARY AND FIELD TOPOGRAPHY PROVIDED BY CMP PROFESSIONAL LAND SURVEYOR,PL.
4. THE ZONING ENTITLEMENTS ACHIEVED/FACILITATING THIS PRELIM PLAT IS REZ-24-01, APPROVED 11-7-2024 BY TOWN BOARD.
5. OPEN SPACE LOTS AND SCM'S WILL BE OWNED AND MAINTAINED BY HOA.
6. ALL PROPOSED STREETS WILL BE DEDICATED TO TOWN AND THUS OWNED AND MAINTAINED BY TOWN.
7. ALL PUBLIC WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
8. SIGNS REQUIRE A SEPARATE SIGN PACKAGE TO BE APPROVED BY THE TOWN.

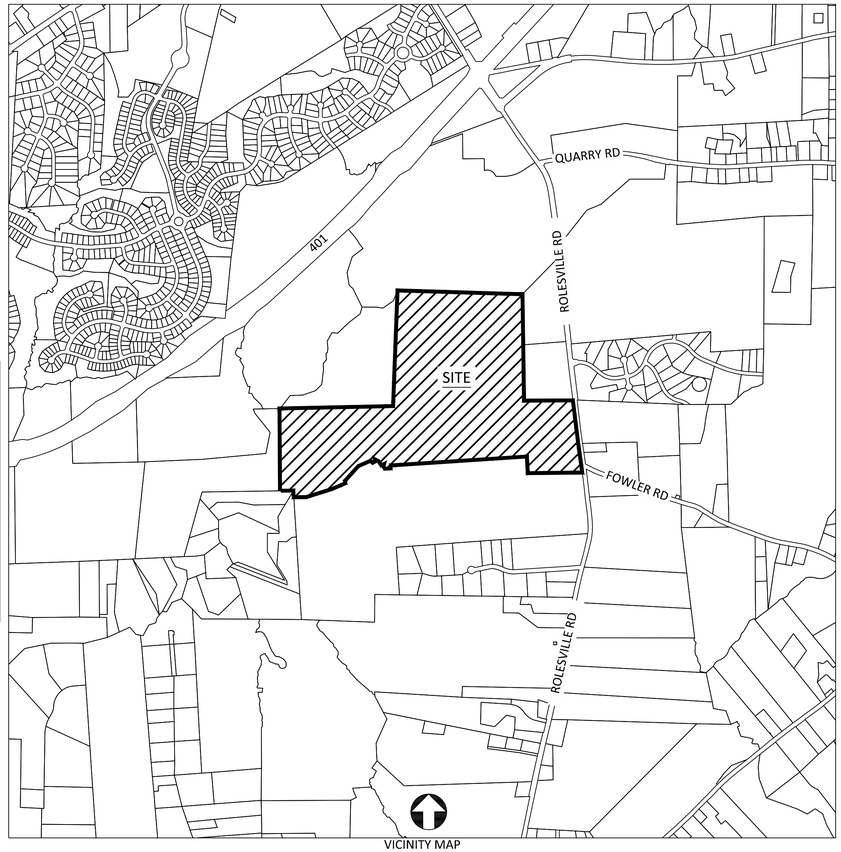
CONSTRUCTION DRAWINGS FOR MERRITT RESERVE

SITUATED AT

1224 ROLESVILLE ROAD

TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

PROJECT NUMBER = CID-25-02



VICINITY MAP
SCALE: 1"=1000'

Sheet List Table	
Sheet Number	Sheet Title
G-001	Cover
G-002	Phasing Plan
G-003	Lot Area per Phase
G-004	General Notes
G-005 - G-011	Schedules
CV-100	Existing Conditions
CX-100	Demolition Plan
CE-100	Erosion Control Phase 1 Stage 1 Overall
CE-101 - CE-103	Erosion Control Phase 1 Stage 1
CE-110	Erosion Control Phase 1 Stage 2 Overall
CE-111 - CE-118	Erosion Control Phase 1 Stage 2
CE-120	Erosion Control Phase 1 Stage 3 Overall
CE-121 - CE-128	Erosion Control Phase 1 Stage 3
CE-130	Erosion Control Phase 1 NDPES Plan
CE-140 - CE-146	Erosion Control Plan & Profile Phase 1
CE-147	Erosion Control Culvert Crossing Phase 1
CE-200	Erosion Control Phase 2 & 3 Stage 1 Overall
CE-201 - CE-203	Erosion Control Phase 2 & 3 Stage 1
CE-210	Erosion Control Phase 2 & 3 Stage 2 Overall
CE-211 - CE-217	Erosion Control Phase 2 & 3 Stage 2
CE-220	Erosion Control Phase 2 & 3 Stage 3 Overall
CE-221 - CE-227	Erosion Control Phase 2 & 3 Stage 3
CE-230	Erosion Control Phase 2 & 3 NDPES Plan
CE-240 - CE-241	Erosion Control Culvert Crossing Phase 2 & 3
CE-500 - CE-504	Erosion Control Details
CS-100	Site Plan Overall
CS-101 - CS-109	Site Plan
CS-110	Open Space Plan
CS-200 - CS-203	Fowler Road Plan & Profile
CS-210 - CS-211	Merritt Reserve Dr Plan & Profile
CS-212	Old Millstone Court Plan & Profile
CS-220 - CS-222	Jocund Street Plan & Profile
CS-230 - CS-233	Merritt Ridge Ln Plan & Profile
CS-240 - CS-242	Davis Rock Drive Plan & Profile
CS-250	Bent Iron Ln & Cracked Granite Ln Plan & Profile
CS-260-CS-261	Strips Dr Plan & Profile
CS-265	Tripp Ledge Way Plan & Profile
CS-280	Lineage Place Plan & Profile
CS-290 - CS-291	Fetching Place Plan & Profile
CS-295	Toothed Chisel Dr & Deep Pass Court Plan & Profile
CS-298	Sutton Ridge Rd Plan & Profile
CS-500 - CS-502	NCDOT Details
CS-503	Site Details
CU-100	Utility Plan Overall
CU-101 - CU-109	Utility Plan
CU-200 - CU-203	Sanitary Sewer Plan & Profile
CU-500 - CU-503	Utility Details
CG-100	Grading and Drainage Overall Plan
CG-101 - CG-109	Grading and Drainage
CG-401	SCM 1A Detail
CG-402	SCM 1B Detail
CG-403	SCM 1C Detail
CG-404	SCM 2 Detail
CG-405	SCM 4 Detail
CG-406	SCM 5A Detail
CG-407	SCM 5C Detail
CG-408	SCM 6A Detail
CG-409	SCM 6B Detail
CG-410	SCM 7 Detail
CT-100	Striping Plan
CT-101	Road Improvement Plan
CT-200	Fowler Road Sight Plan & Profile
CT-201	Merritt Reserve Dr Sight Plan & Profile
LP-100	Overall Landscape Plan
LP-101 - LP-108	Landscape Plan
LP-500	Landscape Details

Public
Sewer Collection / Extension System
The City of Raleigh consents to the connection and extension of the City's public sewer system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
The City of Raleigh consents to the connection and extension of the City's public water system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

City of Raleigh
Public Utilities Department Permit # _____

ATTENTION CONTRACTORS:

THE CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER, AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITIES INSPECTOR AT 919-996-3245 OR HTTPS://CITYWORKS.RALEIGHNC.GOV/PUCONTRACTORS/NEW AND SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING ANY CONSTRUCTION.

RALEIGH WATER MUST BE CONTACTED AT (919) 996-4540 AT LEAST TWENTY-FOUR HOURS PRIOR TO BEGINNING ANY WORK ACTIVITY AROUND CRITICAL WATER AND SEWER INFRASTRUCTURE.

FAILURE TO NOTIFY THE DIVISIONS IN ADVANCE OF BEGINNING CONSTRUCTION, WILL RESULT IN THE ISSUANCE OF MONETARY FINES, AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON THE JOBSITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT

APPROVED

EROSION CONTROL ☐ S-EC-145177-2025

STORMWATER MGMT. ☐ S-WF-145398-2025

FLOOD STUDY ☐ S-_____

DATE _____

WAKE COUNTY, NORTH CAROLINA — ENVIRONMENTAL CONSULTANT SIGNATURE

PUBLIC IMPROVEMENTS MERRITT RESERVE		
PUBLIC WATER (12")	4,761' (PH1)	5,040' (PH2)
PUBLIC WATER (8")	5,392' (PH1)	5,913' (PH2)
PUBLIC WATER (6")	1,088' (PH2)	
PUBLIC SEWER	18,183' (8") 1,314' (12")	
PUBLIC STREETS	24,631 LF	
TOTAL NO. OF LOTS	505	
LIMITS OF DISTURBANCE	PH1: 67.12 AC PH2: 81.21 AC	

RALEIGH WATER INSECTIONS QUANTITIES (SUBDIVISIONS AND SITE PLANS)	
PHASE NUMBERS	PHASE 1, 2, & 3
NUMBER OF LOT(S)	505
NUMBER OF UNITS	505
PUBLIC WATER (LF)	22194
PUBLIC SEWER (LF)	8,567
PUBLIC FORCE MAIN (LF)	N/A
PRIVATE SEWER* (LF)	N/A
WATER SERVICE STUBS (QUANTITY)	506
SEWER SERVICE STUBS (QUANTITY)	506
AVERAGE DAILY FLOW PER PHASE**	130,650

*Sewer mains and manholes as part of a collection system
**Entire Project Flow. Based on 75 gpd per bedroom for residential (Apartments, single Family dwelling, townhouse, condos), or based on 15A NCAC 02T .0114 Wastewater Design Flow Rates for Commercial and Industrial.
The meter size must match domestic service size (Exemption - 3/4" service tap with 5/8" meter)

PROPERTY OWNER:	WILLIAM MERRITT & KATHY LLAMAS 156 MONTERERY ST. POINCIANA FL 34759 1768-23-6815 WESLEY AND ROXEY WILKINS 115 W. YOUNG ST. ROLESVILLE, NC 27571 1768-23-6815 EDWARD AND LINDA SELF 114 MAUDE LA. MT. AIRY, NC 27030 1768- 23-6815 JAMES AND SUE MERRITT 3523 VIOLET CT. WILMINGTON, NC 28409 1768-23-6815 GUNZ/ROGERS PROPERTY BETTY R. GUNZ 1409 MAYLAND AVE. CHALOTTE, NC 28209 1768-32-8863 WILLIAM ROGERS, C/O TEXWEST, LLC PO BOX 101149 FORTH WORTH, TX 76185 1768-32-8863 LILES FAMILY PROPERTY LILES FAMILY, LLC 2524 HOLIDAY AVE. ZEBULON, NC 27597 1758-92-8330
SURVEYOR:	CMP PROFESSIONAL LANDSCAPE, PL CONTACT: MIKE MOSS 206 HIGH HOUSE RD STE 205 WAKE FOREST, NC 27587 919-556-3148
DEVELOPER:	BRD LAND AND INVESTMENT CONTACT: MICHAEL FLEMING 234 KINGSLEY PARK DR STE 110 FORT MILL, SC 29715 919-346-6014
BUFFER/WETLAND:	SAGE ECOLOGICAL SOLUTIONS CONTACT: SEAN CLARK 3707 SWIFT CREEK DRIVE RALEIGH, NC 27606 919-559-1537

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 RECORDATION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER — 39528 — TAYLOR P. KLEE
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
COVER
ROLESVILLE RD
WAKE COUNTY NC 27312

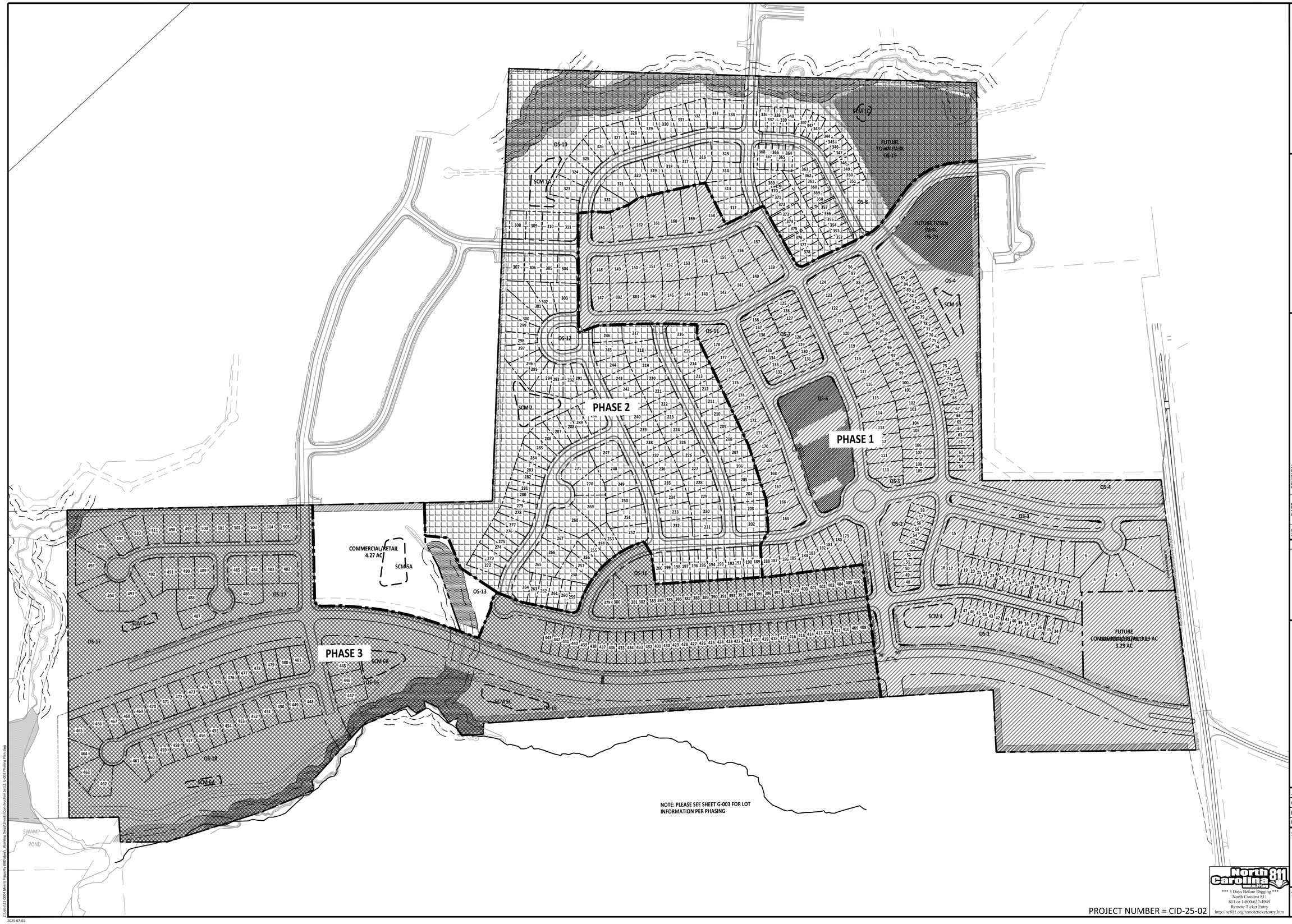
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

SHEET TITLE: COVER

SHEET NO.: G-001

North Carolina 811 — Call Before You Dig
*** 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\wd_ Working Dwgs\Sheets\Construction Set\1- G-001 COVER.dwg
2025-07-02



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 RECORDATION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED 36528 ENGINEER JAKOB P. KLEE
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

PHASING 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:

PHASING PLAN

SHEET NO.:

G-002

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 @RR\Revit_ Working Dwgs\Sheets\Construction Set\3. G-002 Phasing Plan.dwg

2025-07-01

PHASE 1	
Number	Area
1	9095.05 Sq. Ft.
2	11574.09 Sq. Ft.
3	16360.63 Sq. Ft.
4	10345.36 Sq. Ft.
5	11983.95 Sq. Ft.
6	8480.70 Sq. Ft.
7	6869.12 Sq. Ft.
8	6486.62 Sq. Ft.
9	6294.22 Sq. Ft.
10	6178.29 Sq. Ft.
11	6113.67 Sq. Ft.
12	6195.15 Sq. Ft.
13	6276.63 Sq. Ft.
14	6320.30 Sq. Ft.
15	8435.19 Sq. Ft.
16	6630.77 Sq. Ft.
17	5682.39 Sq. Ft.
18	3028.05 Sq. Ft.
19	2392.28 Sq. Ft.
20	2316.21 Sq. Ft.
21	2283.25 Sq. Ft.
22	2755.00 Sq. Ft.
23	2755.00 Sq. Ft.
24	2280.00 Sq. Ft.
25	2280.00 Sq. Ft.
26	2280.00 Sq. Ft.
27	2755.00 Sq. Ft.
28	2755.00 Sq. Ft.
29	2280.00 Sq. Ft.
30	2280.00 Sq. Ft.
31	2280.00 Sq. Ft.
32	2755.00 Sq. Ft.
33	2755.00 Sq. Ft.
34	2280.00 Sq. Ft.
35	2280.00 Sq. Ft.
36	2280.00 Sq. Ft.
37	2280.00 Sq. Ft.
38	2755.00 Sq. Ft.
39	2755.00 Sq. Ft.
40	2280.00 Sq. Ft.
41	2280.00 Sq. Ft.
42	2280.00 Sq. Ft.
43	2280.00 Sq. Ft.
44	2755.00 Sq. Ft.
45	2755.00 Sq. Ft.
46	2280.00 Sq. Ft.
47	2280.00 Sq. Ft.
48	2755.00 Sq. Ft.
49	2768.23 Sq. Ft.
50	2287.41 Sq. Ft.
51	2336.67 Sq. Ft.
52	2441.79 Sq. Ft.
53	3174.84 Sq. Ft.
54	2854.50 Sq. Ft.
55	2375.80 Sq. Ft.
56	2387.98 Sq. Ft.
57	2400.17 Sq. Ft.
58	2404.84 Sq. Ft.
59	2836.60 Sq. Ft.
60	2754.43 Sq. Ft.
61	2278.68 Sq. Ft.
62	2752.90 Sq. Ft.
63	2771.05 Sq. Ft.
64	2329.75 Sq. Ft.
65	2378.88 Sq. Ft.
66	2443.19 Sq. Ft.
67	3059.82 Sq. Ft.
68	2781.27 Sq. Ft.
69	2279.17 Sq. Ft.

PHASE 1	
Number	Area
70	2749.45 Sq. Ft.
71	2757.35 Sq. Ft.
72	2297.65 Sq. Ft.
73	2818.07 Sq. Ft.
74	2748.00 Sq. Ft.
75	2272.90 Sq. Ft.
76	2274.63 Sq. Ft.
77	2276.37 Sq. Ft.
78	2752.92 Sq. Ft.
79	2751.87 Sq. Ft.
80	2280.00 Sq. Ft.
81	2755.01 Sq. Ft.
82	2755.00 Sq. Ft.
83	2280.00 Sq. Ft.
84	2755.01 Sq. Ft.
85	5081.43 Sq. Ft.
86	4020.93 Sq. Ft.
87	4043.44 Sq. Ft.
88	4015.16 Sq. Ft.
89	3979.91 Sq. Ft.
90	4083.06 Sq. Ft.
91	4046.63 Sq. Ft.
92	4150.96 Sq. Ft.
93	4113.35 Sq. Ft.
94	4218.87 Sq. Ft.
95	4221.40 Sq. Ft.
96	4271.85 Sq. Ft.
97	4641.42 Sq. Ft.
98	4682.56 Sq. Ft.
99	4660.78 Sq. Ft.
100	4970.86 Sq. Ft.
101	4620.10 Sq. Ft.
102	4569.33 Sq. Ft.
103	5150.04 Sq. Ft.
104	4623.73 Sq. Ft.
105	5688.41 Sq. Ft.
106	4175.96 Sq. Ft.
107	4069.31 Sq. Ft.
108	6172.48 Sq. Ft.
109	7347.34 Sq. Ft.
110	7062.67 Sq. Ft.
111	7015.40 Sq. Ft.
112	7076.87 Sq. Ft.
113	7656.74 Sq. Ft.
114	7456.88 Sq. Ft.
115	6835.25 Sq. Ft.
116	6552.56 Sq. Ft.
117	6517.77 Sq. Ft.
118	6465.75 Sq. Ft.
119	6413.73 Sq. Ft.
120	6361.71 Sq. Ft.
121	6309.68 Sq. Ft.
122	6257.66 Sq. Ft.
123	7687.13 Sq. Ft.
124	3827.18 Sq. Ft.
125	3248.00 Sq. Ft.
126	3828.00 Sq. Ft.
127	4122.75 Sq. Ft.
128	3500.00 Sq. Ft.
129	4125.58 Sq. Ft.
130	4125.00 Sq. Ft.
131	3500.00 Sq. Ft.
132	4123.15 Sq. Ft.
133	3981.23 Sq. Ft.
134	3368.20 Sq. Ft.
135	3873.99 Sq. Ft.
136	7676.13 Sq. Ft.
137	6710.22 Sq. Ft.
138	6850.11 Sq. Ft.

PHASE 1	
Number	Area
139	8573.36 Sq. Ft.
140	8601.45 Sq. Ft.
141	7212.98 Sq. Ft.
142	6623.96 Sq. Ft.
143	6682.79 Sq. Ft.
144	6451.36 Sq. Ft.
145	6451.36 Sq. Ft.
146	7349.25 Sq. Ft.
147	7155.80 Sq. Ft.
148	6685.86 Sq. Ft.
149	7110.42 Sq. Ft.
150	7456.88 Sq. Ft.
151	7722.31 Sq. Ft.
152	7598.94 Sq. Ft.
153	7841.08 Sq. Ft.
154	8727.57 Sq. Ft.
155	7739.95 Sq. Ft.
156	8284.77 Sq. Ft.
157	11483.89 Sq. Ft.
158	10724.11 Sq. Ft.
159	11054.93 Sq. Ft.
160	10562.99 Sq. Ft.
161	9734.29 Sq. Ft.
162	8543.01 Sq. Ft.
163	8909.23 Sq. Ft.
164	7891.33 Sq. Ft.
165	6022.67 Sq. Ft.
166	5824.00 Sq. Ft.
167	5824.00 Sq. Ft.
168	5824.00 Sq. Ft.
169	5824.00 Sq. Ft.
170	5824.00 Sq. Ft.
171	5824.00 Sq. Ft.
172	6330.43 Sq. Ft.
173	5801.15 Sq. Ft.
174	5889.33 Sq. Ft.
175	5886.20 Sq. Ft.
176	5893.47 Sq. Ft.
177	7110.17 Sq. Ft.
178	8951.14 Sq. Ft.
179	8875.02 Sq. Ft.
180	5847.81 Sq. Ft.
181	5287.22 Sq. Ft.
182	5235.83 Sq. Ft.
183	5083.50 Sq. Ft.
184	4562.71 Sq. Ft.
185	4484.92 Sq. Ft.
186	4318.70 Sq. Ft.
187	4107.43 Sq. Ft.
188	4040.05 Sq. Ft.

PHASE 2	
Number	Area
189	4031.48 Sq. Ft.
190	4042.02 Sq. Ft.
191	4031.48 Sq. Ft.
192	4042.02 Sq. Ft.
193	4031.48 Sq. Ft.
194	4042.02 Sq. Ft.
195	4031.48 Sq. Ft.
196	4042.02 Sq. Ft.
197	4031.48 Sq. Ft.
198	4042.02 Sq. Ft.
199	4030.27 Sq. Ft.
200	4303.55 Sq. Ft.
201	7316.33 Sq. Ft.
202	6502.16 Sq. Ft.
203	6676.51 Sq. Ft.
204	6007.27 Sq. Ft.
205	5824.00 Sq. Ft.
206	6348.25 Sq. Ft.
207	5842.89 Sq. Ft.
208	5824.00 Sq. Ft.
209	5824.00 Sq. Ft.
210	5824.00 Sq. Ft.
211	5824.00 Sq. Ft.
212	5824.00 Sq. Ft.
213	5824.00 Sq. Ft.
214	6028.51 Sq. Ft.
215	8552.87 Sq. Ft.
216	7458.98 Sq. Ft.
217	7327.76 Sq. Ft.
218	6222.10 Sq. Ft.
219	5936.00 Sq. Ft.
220	5936.00 Sq. Ft.
221	5936.00 Sq. Ft.
222	5936.00 Sq. Ft.
223	5936.00 Sq. Ft.
224	5932.18 Sq. Ft.
225	5938.89 Sq. Ft.
226	6397.40 Sq. Ft.
227	5807.82 Sq. Ft.
228	6505.18 Sq. Ft.
229	6240.89 Sq. Ft.
230	6809.05 Sq. Ft.
231	7511.07 Sq. Ft.
232	6586.25 Sq. Ft.
233	6563.70 Sq. Ft.
234	6448.35 Sq. Ft.
235	6445.43 Sq. Ft.
236	6057.34 Sq. Ft.
237	5936.00 Sq. Ft.
238	5936.00 Sq. Ft.
239	5936.00 Sq. Ft.
240	5936.00 Sq. Ft.
241	5936.00 Sq. Ft.
242	5824.00 Sq. Ft.
243	6635.53 Sq. Ft.
244	6981.45 Sq. Ft.
245	6873.41 Sq. Ft.
246	7545.77 Sq. Ft.
247	7280.00 Sq. Ft.
248	7534.71 Sq. Ft.
249	8353.37 Sq. Ft.
250	9395.15 Sq. Ft.
251	9247.13 Sq. Ft.
252	4424.61 Sq. Ft.
253	5021.37 Sq. Ft.
254	5049.64 Sq. Ft.
255	4898.88 Sq. Ft.
256	4440.27 Sq. Ft.
257	6062.44 Sq. Ft.

PHASE 2	
Number	Area
258	5875.88 Sq. Ft.
259	3877.82 Sq. Ft.
260	4931.14 Sq. Ft.
261	4649.39 Sq. Ft.
262	3920.18 Sq. Ft.
263	6984.11 Sq. Ft.
264	6029.58 Sq. Ft.
265	4083.01 Sq. Ft.
266	4455.95 Sq. Ft.
267	5080.22 Sq. Ft.
268	10460.72 Sq. Ft.
269	11690.93 Sq. Ft.
270	9955.68 Sq. Ft.
271	13655.68 Sq. Ft.
272	5232.95 Sq. Ft.
273	5191.40 Sq. Ft.
274	4701.91 Sq. Ft.
275	4713.44 Sq. Ft.
276	5032.11 Sq. Ft.
277	5304.80 Sq. Ft.
278	5147.76 Sq. Ft.
279	4514.58 Sq. Ft.
280	4378.81 Sq. Ft.
281	4196.35 Sq. Ft.
282	4512.76 Sq. Ft.
283	4709.01 Sq. Ft.
284	5366.67 Sq. Ft.
285	6251.66 Sq. Ft.
286	6484.34 Sq. Ft.
287	5594.53 Sq. Ft.
288	5143.79 Sq. Ft.
289	4999.05 Sq. Ft.
290	4006.86 Sq. Ft.
291	5099.01 Sq. Ft.
292	5648.61 Sq. Ft.
293	5523.71 Sq. Ft.
294	5058.78 Sq. Ft.
295	5947.63 Sq. Ft.
296	5574.58 Sq. Ft.
297	5727.46 Sq. Ft.
298	6058.71 Sq. Ft.
299	5099.86 Sq. Ft.
300	5792.69 Sq. Ft.
301	8404.45 Sq. Ft.
302	9884.83 Sq. Ft.
303	7194.03 Sq. Ft.
304	7550.87 Sq. Ft.
305	6573.06 Sq. Ft.
306	6475.71 Sq. Ft.
307	6553.73 Sq. Ft.
308	6487.17 Sq. Ft.
309	6487.19 Sq. Ft.
310	6487.19 Sq. Ft.
311	7416.56 Sq. Ft.
312	8688.53 Sq. Ft.
313	8472.72 Sq. Ft.
314	7872.56 Sq. Ft.
315	8963.90 Sq. Ft.
316	8123.63 Sq. Ft.
317	8660.93 Sq. Ft.
318	8843.00 Sq. Ft.
319	8478.55 Sq. Ft.
320	8625.34 Sq. Ft.
321	10191.79 Sq. Ft.
322	7834.87 Sq. Ft.
323	7474.70 Sq. Ft.
324	7593.09 Sq. Ft.
325	8341.25 Sq. Ft.
326	7446.74 Sq. Ft.

PHASE 2	
Number	Area
327	8341.25 Sq. Ft.
328	7446.74 Sq. Ft.
329	6557.50 Sq. Ft.
330	6557.50 Sq. Ft.
331	6557.50 Sq. Ft.
332	6594.91 Sq. Ft.
333	7360.21 Sq. Ft.
334	7238.83 Sq. Ft.
335	7498.37 Sq. Ft.
336	2773.21 Sq. Ft.
337	2304.96 Sq. Ft.
338	2304.96 Sq. Ft.
339	2304.96 Sq. Ft.
340	2790.84 Sq. Ft.
341	2920.95 Sq. Ft.
342	2323.56 Sq. Ft.
343	2818.56 Sq. Ft.
344	2895.80 Sq. Ft.
345	2310.50 Sq. Ft.
346	2299.74 Sq. Ft.
347	2869.29 Sq. Ft.
348	2755.00 Sq. Ft.
349	2280.00 Sq. Ft.
350	2280.00 Sq. Ft.
351	2755.00 Sq. Ft.
352	2952.30 Sq. Ft.
353	2443.30 Sq. Ft.
354	2443.30 Sq. Ft.
355	2443.30 Sq. Ft.
356	2443.30 Sq. Ft.
357	2952.32 Sq. Ft.
358	3014.13 Sq. Ft.
359	2494.45 Sq. Ft.
360	2494.45 Sq. Ft.
361	2494.45 Sq. Ft.
362	2494.45 Sq. Ft.
363	3008.33 Sq. Ft.
364	2886.19 Sq. Ft.
365	2394.72 Sq. Ft.
366	2394.72 Sq. Ft.
367	2394.72 Sq. Ft.
368	2881.67 Sq. Ft.
369	3828.00 Sq. Ft.
370	3248.00 Sq. Ft.
371	3828.00 Sq. Ft.
372	3828.00 Sq. Ft.
373	3248.00 Sq. Ft.
374	3828.00 Sq. Ft.

PHASE 3	
Number	Area
375	8482.87 Sq. Ft.
376	7764.08 Sq. Ft.
377	4698.76 Sq. Ft.
378	4036.75 Sq. Ft.
379	4037.24 Sq. Ft.
380	4036.26 Sq. Ft.
381	4035.36 Sq. Ft.
382	4038.14 Sq. Ft.
383	4035.36 Sq. Ft.
384	4038.14 Sq. Ft.
385	4035.36 Sq. Ft.
386	4038.14 Sq. Ft.
387	4035.36 Sq. Ft.
388	4038.14 Sq. Ft.
389	4035.36 Sq. Ft.
390	4038.14 Sq. Ft.
391	4035.55 Sq. Ft.
392	4038.04 Sq. Ft.
393	4174.73 Sq. Ft.
394	4270.02 Sq. Ft.
395	4063.11 Sq. Ft.
396	4043.89 Sq. Ft.
397	4063.11 Sq. Ft.
398	4043.89 Sq. Ft.
399	4063.11 Sq. Ft.
400	4043.89 Sq. Ft.
401	4063.11 Sq. Ft.
402	5253.89 Sq. Ft.
403	5240.22 Sq. Ft.
404	4102.31 Sq. Ft.
405	4040.22 Sq. Ft.
406	3999.78 Sq. Ft.
407	4040.22 Sq. Ft.
408	3999.78 Sq. Ft.
409	4040.22 Sq. Ft.
410	3999.78 Sq. Ft.
411	4113.73 Sq. Ft.
412	4201.85 Sq. Ft.
413	4060.06 Sq. Ft.
414	4047.57 Sq. Ft.
415	4009.51 Sq. Ft.
416	4030.64 Sq. Ft.
417	4009.57 Sq. Ft.
418	4030.70 Sq. Ft.
419	4009.63 Sq. Ft.
420	4030.76 Sq. Ft.
421	4009.69 Sq. Ft.
422	4030.82 Sq. Ft.
423	4009.75 Sq. Ft.
424	4030.87 Sq. Ft.
425	4009.81 Sq. Ft.
426	4030.93 Sq. Ft.
427	4009.65 Sq. Ft.
428	4242.18 Sq. Ft.
429	4008.29 Sq. Ft.
430	4107.82 Sq. Ft.
431	4140.68 Sq. Ft.
432	4131.08 Sq. Ft.
433	4131.34 Sq. Ft.
434	4140.88 Sq. Ft.
435	4101.44 Sq. Ft.
436	4025.65 Sq. Ft.
437	3987.13 Sq. Ft.
438	3895.78 Sq. Ft.
439	6774.81 Sq. Ft.
440	6241.33 Sq. Ft.
441	6841.46 Sq. Ft.
442	6637.85 Sq. Ft.
443	7642.16 Sq. Ft.

PHASE 3	
Number	Area
444	6714.91 Sq. Ft.
445	9128.74 Sq. Ft.
446	8279.73 Sq. Ft.
447	8671.64 Sq. Ft.
448	7857.90 Sq. Ft.
449	7534.60 Sq. Ft.
450	8409.23 Sq. Ft.
451	5912.01 Sq. Ft.
452	5912.01 Sq. Ft.
453	5912.01 Sq. Ft.
454	5845.05 Sq. Ft.
455	5845.05 Sq. Ft.
456	5845.05 Sq. Ft.
457	6382.36 Sq. Ft.
458	8064.31 Sq. Ft.
459	9121.40 Sq. Ft.
460	8877.67 Sq. Ft.
461	9990.72 Sq. Ft.
462	11903.46 Sq. Ft.
463	6854.98 Sq. Ft.
464	7674.38 Sq. Ft.
465	6164.73 Sq. Ft.
466	6164.73 Sq. Ft.
467	6164.73 Sq. Ft.
468	6164.73 Sq. Ft.
469	6164.73 Sq. Ft.
470	6164.73 Sq. Ft.
471	6164.73 Sq. Ft.
472	6164.36 Sq. Ft.
473	6006.35 Sq. Ft.
474	7090.34 Sq. Ft.
475	6450.96 Sq. Ft.
476	5783.93 Sq. Ft.
477	6747.15 Sq. Ft.
478	7533.24 Sq. Ft.
479	6588.00 Sq. Ft.
480	6588.00 Sq. Ft.
481	7533.87 Sq. Ft.
482	8283.42 Sq. Ft.
483	8097.53 Sq. Ft.
484	8664.92 Sq. Ft.
485	8530.48 Sq. Ft.
486	7373.16 Sq. Ft.
487	7480.40 Sq. Ft.
488	10398.82 Sq. Ft.
489	8700.17 Sq. Ft.
490	12269.34 Sq. Ft.
491	11248.43 Sq. Ft.
492	10210.10 Sq. Ft.
493	8491.70 Sq. Ft.
494	8231.78 Sq. Ft.
495	7388.55 Sq. Ft.
496	6587.83 Sq. Ft.
497	6588.00 Sq. Ft.
498	6588.00 Sq. Ft.
499	6588.00 Sq. Ft.
500	6588.00 Sq. Ft.
501	6588.00 Sq. Ft.
502	6588.00 Sq. Ft.
503	7479.49 Sq. Ft.

TOTAL LOTS PER PHASE
PHASE 1 = 188
PHASE2 = 186
PHASE 3 = 129

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
PRELIMINARY
NOT FOR CONSTRUCTION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEE
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
LOT AREA PER PHASE
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:
LOT AREA PER PHASE

SHEET NO.:
G-003

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\3. G-003 Lot Area Per Phase.dwg
2025-07-01

CONSTRUCTION SEQUENCE FOR MERRITT RESERVE, PHASE 1 STAGE 1 SHALL BE AS FOLLOWS:

1. THE OWNER SHALL SUBMIT A NCG01 PERMIT AND OBTAIN A CERTIFICATE OF COMPLIANCE.
2. SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH WAKE COUNTY TO OBTAIN A LAND DISTURBING PERMIT.
3. TREE PROTECTION FENCES, SILT FENCES AND CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES INCLUDING STOCKPILE LOCATIONS. STOCKPILE LOCATIONS SHOULD BE ENCLOSED BY SILT FENCE AS SHOWN ON THE PLANS. SEED ALL RESULTING BARE AREAS IMMEDIATELY AFTER CONSTRUCTION/INSTALLATION.
4. CONSTRUCT SCMS 1A, 1B, AND 1C PER THE SCM DETAIL SHEETS CG401 THROUGH CG411 OMITTING THE FOREBAYS. SCM 4 SHALL BE CONSTRUCTED WITH A LARGER SURFACE AREA AS SHOWN ON THE PHASE 1 EROSION CONTROL PLANS. CONNECT SKIMMERS TO THE OUTLET STRUCTURES. CONSTRUCT TEMPORARY SEDIMENT BASINS (TSB) #1 AND #2 AS SHOWN ON THE STAGE 1 EROSION AND SEDIMENT CONTROL PLAN. ANY INLET(S) INSTALLED SHOULD HAVE INLET PROTECTION INSTALLED IMMEDIATELY AS SEEN THESE PLANS. THE SEDIMENT BASINS AND TEMPORARY SKIMMER BASINS SHALL BE FULLY CONSTRUCTED PRIOR TO THE INSTALLATION OF ANY TEMPORARY DIVERSION DITCHES. ANY PIPE INSTALLATION SHALL BE EXCAVATED, INSTALLED, AND BACKFILLED WITHIN A SINGLE WORKING DAY.
5. INSTALL ANY APPLICABLE RIP RAP DISSIPATERS SEEN WITHIN STAGE 1 EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET G-005 FOR SCHEDULE.
6. INSTALL TEMPORARY DIVERSION DITCHES SHOWN IN THIS PHASE TO CONVEY SEDIMENT AND RUN OFF TO RESPECTIVE SEDIMENT BASINS. INSTALL RECOMMENDED LINER AND SEED/STABILIZE DENUDED GROUND IMMEDIATELY FOLLOWING DIVERSION DITCH INSTALLATION. SEE SHEET G-005 FOR THE TEMPORARY DIVERSION DITCH SCHEDULE WITH RECOMMENDED LINER.
7. CALL FOR INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER, PROCEED TO STAGE 2 EROSION AND SEDIMENT CONTROL ACTIVITIES ONLY ONCE APPROVAL IS GRANTED.

CONSTRUCTION SEQUENCE FOR MERRITT RESERVE, PHASE 1 STAGE 2 SHALL BE AS FOLLOWS:

1. GENERAL SITE GRADING MAY BEGIN.
2. CONTRACTOR TO FOLLOW THE "EROSION CONTROL CULVERT CROSSING PHASE 1" AS SHOWN ON SHEET CE 147 FOR THE CULVERT CROSSING INSTALLATION ON TRIPS DRIVE.
3. TSB #1 AND TSB #2 MAY BE REMOVED ONCE RUNOFF IS NO LONGER BEING DIRECTED INTO THOSE BASINS. TSB #3 AND SCM 2 MUST BE CONSTRUCTED PRIOR TO THE REMOVAL OF TSB #1 AND TSB #2 AS SHOWN ON THE PHASE 2 EROSION AND SEDIMENT CONTROL PLANS.
4. INSTALL STORM DRAINAGE PIPE SYSTEMS AS SEEN IN THE CD SET. INSTALLATION SHOULD BE DONE IN THE MANAGEABLE SERIES. ANY SERIES OF PIPE AND STRUCTURE INSTALLATION(S) SHALL BE DONE SO THAT TRENCHING/EXCAVATION THAT IS PERFORMED THAT DAY IS ABLE TO HAVE BEDDING PREPARED, PIPE INSTALLED AND BACKFILLED WITHIN THE SAME WORKING DAY. DENUDED AREAS SHOULD BE STABILIZED IMMEDIATELY.
5. AS EACH CATCH BASIN OR YARD INLET IS INSTALLED, IT SHALL HAVE INLET PROTECTION INSTALLED. THIS IS TO REMAIN IN PLACE AND BE MAINTAINED PERIODICALLY UNTIL APPROVED FOR REMOVAL BY THE WAKE COUNTY WATERSHED MANAGER.
6. INSTALL ANY APPLICABLE RIP RAP DISSIPATERS SEEN WITHIN THE CD SET FOR THE STAGE 2 EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET G-005 FOR SCHEDULE.
7. CLEAN SEDIMENT BASINS WHEN ONE-HALF FULL.
8. SEED AND MULCH DENUDED AREA INCLUDING ANY CUT/FILL SLOPES WITHIN FOURTEEN (14) DAYS AFTER FINISHED GRADES ARE ESTABLISHED.
9. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND IS ESTABLISHED.
10. UTILITIES (WATER, SEWER, ELECTRIC, GAS, CABLE TV, TELEPHONE, ETC.) WILL BE INSTALLED DURING THIS PHASE.
11. CALL FOR INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER, PROCEED TO STAGE 3 EROSION AND SEDIMENT CONTROL ACTIVITIES ONLY ONE APPROVAL IS GRANTED.
12. ADDITIONAL MEASURES OR DITCH EXTENSIONS MAY BE REQUIRED BY THE WAKE COUNTY WATERSHED MANAGER TO ROUTE RUNOFF TO SEDIMENT BASINS BASED ON FIELD CONDITIONS. THESE MEASURES SHALL BE INSTALLED UPON THE INSPECTOR'S DETERMINATION.

CONSTRUCTION SEQUENCE FOR MERRITT RESERVE, PHASE 1 STAGE 3 SHALL BE AS FOLLOWS:

1. WHEN ALL CONTRIBUTING AREAS ARE STABILIZED, OBTAIN APPROVAL FROM THE WAKE COUNTY WATERSHED MANAGER TO REMOVE THE TEMPORARY SKIMMER BASINS AND TO CONVERT THE SEDIMENT BASINS (SB) TO PERMANENT STORMWATER CONTROL MEASURES (SCM). SEE RECOMMENDED INSTRUCTIONS TO CONVERT SEDIMENT BASINS TO PERMANENT STORMWATER CONTROL MEASURES ON THIS SHEET OF THE PROJECT CONSTRUCTION DRAWINGS.
2. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL THE WAKE COUNTY WATERSHED MANAGER FOR AN INSPECTION.
3. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCES, ETC. AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATERS SHOULD BE INSTALLED.
4. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER. OBTAIN CERTIFICATE OF COMPLETION. FINALIZE NCG01 PERMIT

GENERAL NOTES:

A. ALL TREE PROTECTION FENCING SHALL BE MAINTAINED UNTIL ALL SITE WORK IS COMPLETED. THE FENCING SHALL REMAIN UNTIL ISSUANCE OF CERTIFICATE OF OCCUPANCY (CO).

B. WITHIN THE SIGHT TRIANGLES SHOWN ON ALL SITE PLAN AND LANDSCAPE PLAN SHEETS, NO OBSTRUCTION BETWEEN 2 FEET AND 8 FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION SHALL BE LOCATED IN WHOLE OR PART. OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO, ANY BERM, FOLIAGE, FENCE, WALL SIGN, PARKED CAR, OR OTHER OBJECT. ALL STREET TREES FALLING WITHIN THE SIGHT TRIANGLES SHOWN ON THIS PLAN SHALL BE LIMBED UP BETWEEN 2 FEET AND 8 FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION.

C. ALL STREETS SHOWN ON THESE PLANS HAVE FULL WIDTH OF RIGHT-OF-WAY CLEARED AND GRADED WITHIN 50 FEET OF ALL STREET INTERSECTIONS. THE FULL WIDTH OF RIGHT-OF-WAY SHALL BE CLEARED AND GRADED ALONG ALL MAJOR, MINOR AND SENSITIVE AREA THOROUGHFARES.

D. WHEEL CHAIR ACCESS RAMPS WILL BE PROVIDED IN ACCORDANCE WITH STANDARD DRAWING SHOWN ON THE SITE DETAIL SHEETS. WHERE SIDEWALK IS NOT REQUIRED ALONG THE PUBLIC RIGHT-OF-WAY, CURB IS TO BE DEPRESSED AT ALL RAMP LOCATIONS SHOWN ON THE STANDARD DETAIL.

REQUIRED WAKE COUNTY BASIN REMOVAL SEQUENCE

1. SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
2. REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF CULVERT PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
3. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ASPHALT TACK ANY RESULTING BARE AREAS IMMEDIATELY.
4. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
5. WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION.

NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS.

REQUIRED WAKE COUNTY CONSTRUCTION SEQUENCE*

1. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE WAKE COUNTY WATERSHED MANGER. OBTAIN A LAND-DISTURBING PERMIT.
2. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
3. CONTACT THE WAKE COUNTY WATERSHED MANAGER FOR AN ONSITE INSPECTION TO OBTAIN A CERTIFICATE OF COMPLIANCE.
4. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
5. INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
6. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
7. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CONTACT THE WAKE COUNTY WATERSHED MANGER FOR AN INSPECTION.
8. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
9. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER. OBTAIN A CERTIFICATE OF COMPLETION.

CONSTRUCTION SEQUENCE FOR MERRITT RESERVE, PHASE 2 & 3 STAGE 1 SHALL BE AS FOLLOWS:

1. THE OWNER SHALL SUBMIT A NCG01 PERMIT AND OBTAIN A CERTIFICATE OF COMPLIANCE.
2. SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH WAKE COUNTY TO OBTAIN A LAND DISTURBING PERMIT.
3. TREE PROTECTION FENCES, SILT FENCES AND CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES INCLUDING STOCKPILE LOCATIONS. STOCKPILE LOCATIONS SHOULD BE ENCLOSED BY SILT FENCE AS SHOWN ON THE PLANS. SEED ALL RESULTING BARE AREAS IMMEDIATELY AFTER CONSTRUCTION/INSTALLATION.
4. CONSTRUCT SCMS 5A, 5B, 5C, 6A AND 6B PER THE SCM DETAIL SHEETS CG401 THROUGH CG411 OMITTING THE FOREBAYS. CONNECT SKIMMERS TO THE OUTLET STRUCTURES. CONSTRUCT TEMPORARY SEDIMENT BASINS (TSB) #4, #5, AND #6 AS SHOWN ON THE STAGE 1 EROSION AND SEDIMENT CONTROL PLAN. ANY INLET(S) INSTALLED SHOULD HAVE INLET PROTECTION INSTALLED IMMEDIATELY AS SEEN THESE PLANS. THE SEDIMENT BASINS AND TEMPORARY SKIMMER BASINS SHALL BE FULLY CONSTRUCTED PRIOR TO THE INSTALLATION OF ANY TEMPORARY DIVERSION DITCHES. ANY PIPE INSTALLATION SHALL BE EXCAVATED, INSTALLED, AND BACKFILLED WITHIN A SINGLE WORKING DAY.
5. INSTALL ANY APPLICABLE RIP RAP DISSIPATERS SEEN WITHIN STAGE 1 EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET G-005 FOR SCHEDULE.
6. INSTALL TEMPORARY DIVERSION DITCHES SHOWN IN THIS PHASE TO CONVEY SEDIMENT AND RUN OFF TO RESPECTIVE SEDIMENT BASINS. INSTALL RECOMMENDED LINER AND SEED/STABILIZE DENUDED GROUND IMMEDIATELY FOLLOWING DIVERSION DITCH INSTALLATION. SEE SHEET G-005 FOR THE TEMPORARY DIVERSION DITCH SCHEDULE WITH RECOMMENDED LINER.
7. CALL FOR INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER, PROCEED TO STAGE 2 EROSION AND SEDIMENT CONTROL ACTIVITIES ONLY ONCE APPROVAL IS GRANTED.

CONSTRUCTION SEQUENCE FOR MERRITT RESERVE, PHASE 2 & 3 STAGE 2 SHALL BE AS FOLLOWS:

1. GENERAL SITE GRADING MAY BEGIN.
2. CONTRACTOR TO FOLLOW THE "EROSION CONTROL CULVERT CROSSING PHASE 2 & 3" AS SHOWN ON SHEETS CE 240 AND CE 241 FOR THE CULVERT CROSSING INSTALLATIONS ON JOCUND STREET AND FOWLER ROAD, RESPECTIVELY.
3. INSTALL STORM DRAINAGE PIPE SYSTEMS AS SEEN IN THE CD SET. INSTALLATION SHOULD BE DONE IN THE MANAGEABLE SERIES. ANY SERIES OF PIPE AND STRUCTURE INSTALLATION(S) SHALL BE DONE SO THAT TRENCHING/EXCAVATION THAT IS PERFORMED THAT DAY IS ABLE TO HAVE BEDDING PREPARED, PIPE INSTALLED AND BACKFILLED WITHIN THE SAME WORKING DAY. DENUDED AREAS SHOULD BE STABILIZED IMMEDIATELY.
4. AS EACH CATCH BASIN OR YARD INLET IS INSTALLED, IT SHALL HAVE INLET PROTECTION INSTALLED. THIS IS TO REMAIN IN PLACE AND BE MAINTAINED PERIODICALLY UNTIL APPROVED FOR REMOVAL BY THE WAKE COUNTY WATERSHED MANAGER.
5. INSTALL ANY APPLICABLE RIP RAP DISSIPATERS SEEN WITHIN THE CD SET FOR THE STAGE 2 EROSION AND SEDIMENT CONTROL PLAN. SEE SHEET G-005 FOR SCHEDULE.
6. CLEAN SEDIMENT BASINS WHEN ONE-HALF FULL.
7. SEED AND MULCH DENUDED AREA INCLUDING ANY CUT/FILL SLOPES WITHIN FOURTEEN (14) DAYS AFTER FINISHED GRADES ARE ESTABLISHED.
8. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND IS ESTABLISHED.
9. UTILITIES (WATER, ELECTRIC, GAS, CABLE TV, TELEPHONE, ETC.) WILL BE INSTALLED DURING THIS PHASE.
10. CALL FOR INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER, PROCEED TO STAGE 3 EROSION AND SEDIMENT CONTROL ACTIVITIES ONLY ONE APPROVAL IS GRANTED.
11. ADDITIONAL MEASURES OR DITCH EXTENSIONS MAY BE REQUIRED BY THE WAKE COUNTY WATERSHED MANAGER TO ROUTE RUNOFF TO SEDIMENT BASINS BASED ON FIELD CONDITIONS. THESE MEASURES SHALL BE INSTALLED UPON THE INSPECTOR'S DETERMINATION.

CONSTRUCTION SEQUENCE FOR MERRITT RESERVE, PHASE 2 & 3 STAGE 3 SHALL BE AS FOLLOWS:

1. WHEN ALL CONTRIBUTING AREAS ARE STABILIZED, OBTAIN APPROVAL FROM THE WAKE COUNTY WATERSHED MANAGER TO REMOVE THE TEMPORARY SKIMMER BASINS AND TO CONVERT THE SEDIMENT BASINS (SB) TO PERMANENT STORMWATER CONTROL MEASURES (SCM). SEE RECOMMENDED INSTRUCTIONS TO CONVERT SEDIMENT BASINS TO PERMANENT STORMWATER CONTROL MEASURES ON THIS SHEET OF THE PROJECT CONSTRUCTION DRAWINGS.
2. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL THE WAKE COUNTY WATERSHED MANAGER FOR AN INSPECTION.
3. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCES, ETC. AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATERS SHOULD BE INSTALLED.
4. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE WAKE COUNTY WATERSHED MANAGER. OBTAIN CERTIFICATE OF COMPLETION. FINALIZE NCG01 PERMIT

NOTES FOR CONSTRUCTION:

1. PLANS FOR INFRASTRUCTURE ONLY.
2. ALL CONSTRUCTION MUST BE PERFORMED IN ACCORDANCE WITH CURRENT CITY OF RALEIGH STANDARD SPECS AND DETAILS, WAKE COUNTY SPECIFICATIONS, NCDOT SPECIFICATIONS AND TOWN OF ROLESVILLE SPECIFICATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND THESE DRAWINGS.
4. CONTRACTOR WILL KEEP STREETS CLEAN AT ALL TIMES, OR A WASH STATION WILL BE REQUIRED.
5. ALL CATCH BASINS SHALL HAVE INLET PROTECTION.
6. ALL CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING, WITH SOME SLOPES TO BE STABILIZED WITHIN 7 DAYS AS SHOWN ON THIS SHEET AND ON THE NPDES SHEETS.
7. A PRE-CONSTRUCTION CONFERENCE MAY BE REQUIRED BEFORE GRADING PERMIT IS ISSUED.
8. TREE PROTECTION FENCING ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.
9. PERMANENT GROUND COVER WILL BE ESTABLISHED IN 15 WORKING DAYS OR 90 CALENDAR DAYS WHICHEVER IS SHORTER.
10. THE AREA DESIGNATED SHALL BE USED FOR TOPSOIL STOCKPILE.
11. THIS PROJECT IS IN THE NEUSE RIVER WATERSHED. PROJECT AREA = 152.28 ACRES.
12. WETLANDS ON THIS PROJECT ARE AS SHOWN.
13. MINIMUM CORNER CLEARANCE FROM THE CURB LINE OF INTERSECTING STREETS SHALL BE AT LEAST TWENTY (20) FEET FROM THE POINT OF TANGENCY.

MAINTENANCE OF EROSION CONTROL MEASURES

SILT FENCE MAINTENANCE - ANY DAMAGE IS TO BE REPAIRED AS SOON AS POSSIBLE AFTER IT IS DISCOVERED. FENCE POSTS ARE TO BE STRAIGHTENED OR REPLACED AS NECESSARY. WIRE FENCING SUPPORTING THE FILTER FABRIC SHALL BE REPLACED AS NECESSARY. ANY TORN FILTER FABRIC SHALL BE PATCHED OR REPLACED. WHEN STONE IS CONTAMINATED IT SHALL BE REMOVED AND REPLACED WITH CLEAN STONE.

SILT FENCE OUTLETS - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. IF DAMAGED, THEY SHALL HAVE FABRIC, POSTS OR WIRE BACKING REPLACED TO RESTORE TO ORIGINAL CONDITION.

TREE PROTECTION FENCE MAINTENANCE - ANY SEGMENTS THAT ARE DAMAGED ARE TO BE REPLACED AS SOON AS POSSIBLE FOLLOWING DISCOVERY.

CONSTRUCTION ENTRANCE - IF ANY OF THE STONE SHALL BE LOST, IT SHALL BE REPLACED. IF THE FILTER FABRIC UNDER THE STONE IS DAMAGED, THAT PORTION SHALL BE REPLACED. IF THE STONE BECOMES COMPLETELY CLOGGED WITH SOIL, IT SHALL BE REMOVED AND REPLACED.

SOIL STOCKPILE AREAS/OTHER GRASSED AREAS MAINTENANCE - GRASS AREAS SHALL BE RESEEDED AS NECESSARY. SOIL STOCKPILE AREAS SHALL BE SEEDED WHEN THEIR USE IS COMPLETE.

TEMPORARY SEDIMENT TRAP - THESE BASINS SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER EVERY STORM OF 1" OR MORE OF RAIN. DEBRIS SHALL BE REMOVED IMMEDIATELY. ANY DAMAGE TO THE TRAP SHALL BE REPAIRED TO THE STANDARD FOR INITIAL CONSTRUCTION. SEDIMENT IS TO BE REMOVED WHEN IT REACHES 6" DEEP OR AT LEAST ONCE EVERY SIX MONTHS.

SEDIMENT BASINS - ALL REQUIREMENTS FOR SEDIMENT TRAPS SHALL APPLY.

CONCRETE WASHOUT - IT SHALL BE CLEANED PERIODICALLY AS NEEDED. IF THE PLASTIC LINER IS DAMAGED, IT SHALL BE REPLACED.

BAFFLES - SHALL BE INSPECTED AFTER EACH SIGNIFICANT RAINFALL AND AT LEAST ONCE A WEEK. IF NECESSARY, THEY SHALL BE REPAIRED TO THE ORIGINAL PERFORMANCE LEVEL USING MATERIALS SPECIFIED IN THE DETAIL.

DITCH LINER - SHALL BE INSPECTED AT LEAST ONCE A WEEK AND FOLLOWING SIGNIFICANT RAINFALL. IF NECESSARY, THE LINER SHALL BE REPLACED WITH THE ORIGINAL TYPE MATERIAL AND ANCHORED ACCORDING TO THE METHODS SHOWN ON SHEET CD3.

SKIMMERS - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. THEY SHALL BE CLEANED OF DEBRIS AND ANY REPAIRS MADE TO THE ORIGINAL QUALITY OR THE ITEM REPLACED.

RIP-RAP CHANNEL - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. IF STONE IS MISSING IT SHALL BE REPLACED TO THE ORIGINAL SPECIFICATIONS. DEBRIS AND SEDIMENT SHALL BE REMOVED AS NECESSARY.

RIP-RAP APRONS - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. IF STONE IS MISSING, IT SHALL BE REPLACED TO THE ORIGINAL SPECIFICATIONS. DEBRIS AND SEDIMENT SHALL BE REMOVED AS NECESSARY.

TEMPORARY SILT DITCH - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. IF SIGNIFICENT EROSION OF THE DITCH IS HAPPENING IT SHALL BE REGRADED. ANY BREACH OF THE DOWNHILL SIDE BERM SHALL BE FIXED IMMEDIATELY.

WATTLES - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. ACCUMULATED SEDIMENT SHALL BE REMOVED. IF THE WATTLE ANCHORS ARE DISPLACED OR DAMAGED THEY SHALL BE REINSTALLED OR REPLACED. IF THE WATTLE IS DAMAGED SUCH THAT IT NO LONGERS FUNCTIONS, IT SHALL BE REPLACED.

INLET PROTECTION - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. SEDIMENT SHALL BE REMOVED. IF STONE IS SIGNIFICANTLY CLOGGED, IT SHALL BE REMOVED AND REPLACED WITH CLEAN STONE. ANY DAMAGE TO SILT FENCE TYPE PROTECTION SHALL BE REPAIRED BY PATCHING OR REPLACEMENT.

SEEDBED PREPARATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO 6-INCH DEPTH.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW *).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
6. SEED ON FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISHED FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

*APPLY: AGRICULTURAL LIMESTONE - 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER - 1,000 LB/ACRE - 10-10-10
SUPERPHOSPHATE - 500 LB/ACRE - 20% ANALYSIS
MULCH - 2 TONS/ACRE - SMALL GRAIN STRAW
ANCHOR - ASPHALT EMULSION @ 300 GALS/ACRE

SEEDING SCHEDULE

SHOULDERS, SIDE DITCHES, SLOPES (Maximum 3:1)

Date	Type*	Planting Rate
Aug 15 - Nov 1	Tall Fescue or Hard Fescue	300 lb./acre
Nov 1 - Mar 1	Tall Fescue and Abriuzzi Rye or Annual Rye	300 lb./acre
Mar 1 - Apr 15	Tall Fescue or Hard Fescue	300 lb./acre
Apr 15 - June 30	Hulled common Bermuda grass, Weeping Love Grass	25 lb./acre
July 15 - Aug 15	Tall Fescue and ***Browntop Millet ***or Sorghum-Sudan Hybrids	35 lb./acre

Consult Erosion Control Officer or NRCS for additional alternatives for vegetating denuded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.
***Temporary - Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing to keep fescue from being shaded out.
*Bahia grass shall not be used in City maintained areas.

SHOULDERS, SIDE DITCHES, SLOPES Slopes (3:1 and 2:1) (not mowed)

Date	Type*	Planting Rate
Mar 1 - June 1	Sericea Lespedeza (scarified) and	50 lb./acre
Mar 1 - Apr 15	Add Tall Fescue or	120 lb./acre
Mar 1 - June 30	Add Weeping Love Grass or	10 lb./acre
Mar 1 - June 30	Add Hulled Common Bermuda grass	25 lb./acre
June 1 - Sept 1	***Tall Fescue and ***Browntop Millet ***or Sorghum-Sudan Hybrids	120 lb./acre 35 lb./acre 30 lb./acre
Sept 1 - Mar 1	Sericea Lespedeza (unhulled/unscarified) and Tall Fescue Add Abruzzi Rye or Annual Rye	70 lb./acre 120 lb./acre 25 lb./acre

Consult Erosion Control Officer or NRCS for additional alternatives for vegetating denuded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.
***Temporary - Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing to keep fescue from being shaded out.
*Bahia grass shall not be used in City maintained areas.

STOCKPILE DESIGN CRITERIA

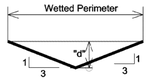
A. A 25-FOOT TEMPORARY MAINTENANCE AND ACCESS EASEMENT SHALL BE SHOWN AROUND ALL PROPOSED STOCKPILES (EROSION CONTROL MEASURES SURROUNDING THE STOCKPILE SHALL BE SHOWN AT THE OUTER LIMIT OF THIS EASEMENT).
B. STOCKPILE FOOTPRINTS SHALL BE SETBACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
C. A NOTE SHALL BE PROVIDED ON THE APPROVED PLAN THAT STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.
D. STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
E. APPROVEDSCMs SHALL BE SHOWN ON A PLAN TO CONTROL ANY POTENTIAL SEDIMENT LOSS FROM A STOCKPILE.
F. STOCKPILING MATERIALS ADJACENT TO A DITCH, DRAINAGEWAY, WATERCOURSE, WETLAND, STREAM BUFFER, OR OTHER BODY OF WATER SHALL BE AVOIDED UNLESS AN ALTERNATIVE LOCATION IS DEMONSTRATED TO BE UNAVAILABLE.
G. ANY CONCENTRATED FLOW LIKELY TO AFFECT THE STOCKPILE SHALL BE DIVERTED TO AN APPROVED SCM.
H. OFF-SITE SPOIL OR BORROW AREAS MUST BE IN COMPLIANCE WITH WAKE COUNTY UDO AND STATE REGULATIONS. ALL SPOIL AREAS OVER AN ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN. DEVELOPER/CONTRACTOR SHALL NOTIFY WAKE COUNTY OF ANY OFFSITE DISPOSAL OF SOIL, PRIOR TO DISPOSAL. FILL OF FEMA FLOODWAYS AND NON-ENCROACHMENT AREAS ARE PROHIBITED EXCEPT AS OTHERWISE PROVIDED BY SUBSECTION 14-19-2 OF THE WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE (CERTIFICATIONS AND PERMITS REQUIRED).

MAINTENANCE REQUIREMENTS TO BE NOTED ON THE PLAN

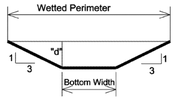
I. SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS SHOULD BE KEYED IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
J. IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE (BUILDERS, ETC.), THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY WAKE COUNTY OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
K. THE APPROVED PLAN SHALL PROVIDE FOR THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE.
L. ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).

STANDARD UTILITY NOTES (AS APPLICABLE):

1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
2. UTILITY SEPARATION REQUIREMENTS:
   A) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
   B) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE



Ditch Section (For Bottom Width = 0)
(Not To Scale)



Trapezoidal Ditch / Swale Section
(Not To Scale)

TEMPORARY TRIANGULAR SWALE DRAINAGE CHART - MERRIT RESERVE PHASE 1

Ditch I.D.	D.A., AC.	C	i_{10}, in/hr	Q_{10}, cfs	Left Side Slope, Z Z:1	Right Side Slope, Z Z:1	Avg. Ditch Slope, %	Bottom Width	Ditch Lining*	Manning, n	Min. Ditch Depth, ft**	Flow Velocity V_{10}, fps	Calc.Shear Stress, psf
PHASE 1 STAGE 1													
TDD 1.1	0.32	0.60	7.20	**1.38**	2.00	2.00	0.41	0.00	**Jute Netting**	0.033	**1.02**	**1.34**	0.18
TDD 1.2	6.24	0.60	7.20	**26.96**	2.00	2.00	0.50	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**2.40**	**3.06**	0.65
TDD 1A.1	4.79	0.60	7.20	**20.69**	2.00	2.00	3.40	0.00	**Am. Excelsior Co.; Curlex High Velocity; 2 nets**	0.033	**1.63**	**5.85**	2.82
TDD 1B.1	3.04	0.60	7.20	**13.13**	2.00	2.00	1.09	0.00	**Profile; Futerra**	0.033	**1.69**	**3.41**	0.94
TDD 2.1A	12.21	0.60	7.20	**52.75**	2.00	2.00	0.50	0.00	**Profile; Futerra**	0.033	**3.00**	**3.62**	0.84
TDD 2.1B	12.84	0.60	7.20	**55.47**	2.00	2.00	7.89	0.00	**North Am. Green C350; Vegetated**	0.033	**1.94**	**10.29**	8.08
TDD 4.1	3.82	0.60	7.20	**16.50**	2.00	2.00	0.79	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**1.90**	**3.21**	0.79
TDD 4.2	1.24	0.60	7.20	**5.36**	2.00	2.00	2.22	0.00	**Am. Excelsior Co.; Straw; 1 net**	0.033	**1.17**	**3.55**	1.20
PHASE 1 STAGE 2													
TDD 2.2	2.22	0.60	7.20	**9.59**	2.00	2.00	0.50	0.00	**Jute Netting**	0.033	**1.73**	**2.36**	0.45
TDD 2.3	2.08	0.60	7.20	**8.99**	2.00	2.00	0.57	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**1.66**	**2.43**	0.48
TDD 3.1	4.27	0.60	7.20	**18.45**	2.00	2.00	0.20	0.00	**Am. Excelsior Co.; Curlex High Velocity; 2 nets**	0.033	**2.46**	**1.97**	0.27

*An approved equal alternate lining may be used

**Ditch depth is Q10 flow depth +0.3 ft of freeboard

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TEMPORARY TRIANGULAR SWALE DRAINAGE CHART - MERRIT RESERVE PHASE 2 & 3

Ditch I.D.	D.A., AC.	C	i_{10}, in/hr	Q_{10}, cfs	Left Side Slope, Z Z:1	Right Side Slope, Z Z:1	Avg. Ditch Slope, %	Bottom Width	Ditch Lining*	Manning, n	Min. Ditch Depth, ft**	Flow Velocity V10, fps	Calc.Shear Stress, psf
PHASE 2 & 3 STAGE 1													
TDD 1A.2	2.32	0.60	7.20	**10.02**	2.00	2.00	1.87	0.00	**E. Coast Ero. Blank.; Straw/Coir, 2 Jute nets**	0.033	**1.43**	**3.90**	1.32
TDD 5.1	2.11	0.60	7.20	**9.12**	2.00	2.00	3.13	0.00	**NAG; 70% straw: 30% Coconut; double net**	0.033	**1.29**	**4.61**	1.94
TDD 5A.1	1.84	0.60	7.20	**7.95**	2.00	2.00	2.44	0.00	**Am. Excelsior Co.; Curlex I.73; 1 net**	0.033	**1.29**	**4.06**	1.51
TDD 5A.2	1.24	0.60	7.20	**5.36**	2.00	2.00	0.56	0.00	**Jute Netting**	0.033	**1.42**	**2.12**	0.39
TDD 5B.1	0.17	0.60	7.20	**0.73**	2.00	2.00	3.50	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**0.68**	**2.54**	0.83
TDD 5C.1	4.18	0.60	7.20	**18.06**	2.00	2.00	0.88	0.00	**Profile; Futerra**	0.033	**1.93**	**3.41**	0.89
TDD 6.1	1.27	0.60	7.20	**5.49**	2.00	2.00	1.40	0.00	**Profile; Futerra**	0.033	**1.26**	**3.00**	0.83
TDD 6.2	0.91	0.60	7.20	**3.93**	2.00	2.00	2.16	0.00	**Am. Excelsior Co.; Straw; 1 net**	0.033	**1.08**	**3.25**	1.05
TDD 6A.1	1.71	0.60	7.20	**7.39**	2.00	2.00	1.97	0.00	**Am. Excelsior Co.; Straw; 1 net**	0.033	**1.30**	**3.68**	1.23
TDD 6B.1	1.60	0.60	7.20	**6.91**	2.00	2.00	0.97	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**1.42**	**2.78**	0.68
TDD 6B.2	3.35	0.60	7.20	**14.47**	2.00	2.00	3.95	0.00	**Am. Excelsior Co.; Curlex High Velocity; 2 nets**	0.033	**1.43**	**5.66**	2.79
TDD 7.1	0.21	0.60	7.20	**0.91**	2.00	2.00	3.11	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**0.72**	**2.57**	0.82
TDD 7.2	2.74	0.60	7.20	**11.84**	2.00	2.00	2.47	0.00	**E. Coast Ero. Blank.; Excelsior, 1 net**	0.033	**1.45**	**4.51**	1.77
TDD 8A.1	2.44	0.60	7.20	**10.54**	2.00	2.00	0.64	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**1.71**	**2.65**	0.56
TDD 8B.1	7.33	0.60	7.20	**31.67**	2.00	2.00	0.37	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**2.66**	**2.85**	0.54
TDD 8B.2	0.85	0.60	7.20	**3.67**	2.00	2.00	0.20	0.00	**Jute Netting**	0.033	**1.48**	**1.31**	0.15
TDD 9.1	1.23	0.60	7.20	**5.31**	2.00	2.00	0.63	0.00	**Jute Netting**	0.033	**1.40**	**2.21**	0.43
PHASE 2 & 3 STAGE 2													
TDD 5.2	0.96	0.60	7.20	**4.15**	2.00	2.00	0.41	0.00	**E. Coast Ero. Blank.; Straw/Coir, 2 Jute nets**	0.033	**1.38**	**1.77**	0.28
TDD 5.3	1.20	0.60	7.20	**5.18**	2.00	2.00	1.93	0.00	**NAG; 70% straw: 30% Coconut; double net**	0.033	**1.18**	**3.34**	1.06
TDD 5A.3	0.90	0.60	7.20	**3.89**	2.00	2.00	0.12	0.00	**Am. Excelsior Co.; Curlex I.73; 1 net**	0.033	**1.63**	**1.10**	0.10
TDD 5A.4	0.54	0.60	7.20	**2.33**	2.00	2.00	0.19	0.00	**Jute Netting**	0.033	**1.31**	**1.15**	0.12
TDD 5A.5	2.18	0.60	7.20	**9.42**	2.00	2.00	1.20	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**1.50**	**3.25**	0.90
TDD 6.3A	0.70	0.60	7.20	**3.02**	2.00	2.00	0.30	0.00	**Profile; Futerra**	0.033	**1.32**	**1.45**	0.19
TDD 6.3B	1.39	0.60	7.20	**6.00**	2.00	2.00	5.42	0.00	**Profile; Futerra**	0.033	**1.07**	**5.10**	2.60
TDD 8A.2	3.92	0.60	7.20	**16.93**	2.00	2.00	0.28	0.00	**Profile; Futerra**	0.033	**2.27**	**2.19**	0.34
TDD 8B.3	7.93	0.60	7.20	**34.26**	2.00	2.00	0.25	0.00	**Am. Excelsior Co.; Straw; 1 net**	0.033	**2.91**	**2.51**	0.41
TDD 8B.4	0.75	0.60	7.20	**3.24**	2.00	2.00	0.17	0.00	**Am. Excelsior Co.; Straw; 1 net**	0.033	**1.46**	**1.20**	0.12
TDD 9.2	2.13	0.60	7.20	**9.20**	2.00	2.00	0.15	0.00	**Geocoir/Dekowe; Straw; RS-1**	0.033	**2.06**	**1.49**	0.16
TDD 10.1	0.96	0.60	7.20	**4.15**	2.00	2.00	1.03	0.00	**Am. Excelsior Co.; Curlex High Velocity; 2 nets**	0.033	**1.21**	**2.50**	0.59

*An approved equal alternate lining may be used

**Ditch depth is Q10 flow depth +0.3 ft of freeboard

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$$v = \frac{1.486}{n} R_H^{2/3} S^{1/2}$$

where

Q = discharge or flow rate (ft^3/sec)
v = flow velocity (ft/sec)
n = Manning's roughness coefficient
A = cross-sectional area of flow (ft^2)
R_H = hydraulic radius (ft) = $\frac{A}{P}$
P = wetted perimeter (ft)
S = slope of the energy grade line (ft/ft) = $\frac{h_L}{L}$
h_L = head loss (ft)
L = pipe length (ft)

TEMPORARY SLOPE DRAINS - MERRIT RESERVE PHASE 1

Slope Drain I.D.	D.A., AC.	C	i_{10}, in/hr	Q_{10}, cfs	Inv. Up	Inv. Dn	Pipe Length (ft)	Pipe Slope (ft/ft)	No. of Barrels	Manning, n	Recommended Slope Drain Size (in)*
PHASE 1 STAGE 1											
TDD 1.1	0.32	0.60	7.20	1.38	388.56	384.00	23	0.198	1	0.013	12
TDD 1.2	6.24	0.60	7.20	26.96	385.31	384.00	24	0.055	1	0.013	36
TDD 1B.1	3.04	0.60	7.20	13.13	379.17	374.00	132	0.039	1	0.013	24
TDD 2.1B	12.84	0.60	7.20	55.47	359.00	357.00	38	0.053	1	0.013	48
TDD 4.1	3.82	0.60	7.20	16.50	378.67	360.00	46	0.406	1	0.013	30
TDD 4.2	1.24	0.60	7.20	5.36	377.94	360.00	43	0.417	1	0.013	18
PHASE 1 STAGE 2											
TDD 3.1	4.27	0.60	7.20	18.45	375.00	373.00	10	0.200	1	0.013	30

*Recommended size based on conveyance and inlet capacity

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TEMPORARY SLOPE DRAINS - MERRIT RESERVE PHASE 2 & 3

Slope Drain I.D.	D.A., AC.	C	i_{10}, in/hr	Q_{10}, cfs	Inv. Up	Inv. Dn	Pipe Length (ft)	Pipe Slope (ft/ft)	No. of Barrels	Manning, n	Recommended Slope Drain Size (in)**
PHASE 2 & 3 STAGE 1											
TDD 5.1	2.11	0.60	7.20	9.12	307.00	292.00	38	0.395	1	0.013	24
TDD 5A.1	1.84	0.60	7.20	7.95	337.58	310.00	85	0.324	1	0.013	24
TDD 5A.2	1.24	0.60	7.20	5.36	336.21	310.00	78	0.336	1	0.013	18
TDD 5C.1	4.18	0.60	7.20	18.06	312.65	291.00	81	0.267	1	0.013	30
TDD 6.1	1.27	0.60	7.20	5.49	326.40	322.00	27	0.163	1	0.013	18
TDD 6.2	0.91	0.60	7.20	3.93	321.80	321.00	24	0.033	1	0.013	15
TDD 6B.2	3.35	0.60	7.20	14.47	299.50	288.00	45	0.256	1	0.013	30
TDD 7.2	2.74	0.60	7.20	11.84	362.70	361.00	22	0.077	1	0.013	24
TDD 8A.1	2.44	0.60	7.20	10.54	364.50	363.00	16	0.094	1	0.013	24
TDD 8B.1	7.33	0.60	7.20	31.67	349.00	343.00	49	0.122	1	0.013	36
TDD 8B.2	0.85	0.60	7.20	3.67	344.50	343.00	23	0.065	1	0.013	15
TDD 9.1	1.23	0.60	7.20	5.31	360.40	360.00	30	0.013	1	0.013	18
PHASE 2 & 3 STAGE 2											
TDD 5.2	0.96	0.60	7.20	4.15	296.50	292.00	22	0.205	1	0.013	15
TDD 5.3	1.20	0.60	7.20	5.18	310.50	292.00	49	0.378	1	0.013	18
TDD 6.3B	1.39	0.60	7.20	6.00	330.50	322.00	46	0.185	1	0.013	18
TDD 8A.2	3.92	0.60	7.20	16.93	361.36	361.00	34	0.011	1	0.013	30
TDD 8B.3	7.93	0.60	7.20	34.26	342.83	342.00	25	0.033	1	0.013	36
TDD8B.4	0.75	0.60	7.20	3.24	346.00	342.00	18	0.222	1	0.013	15
TDD 9.2	2.13	0.60	7.20	9.20	362.50	361.00	27	0.056	1	0.013	24
TDD 10.1	0.96	0.60	7.20	4.15	380.00	375.00	11	0.455	1	0.013	15

*Recommended size based on conveyance and inlet capacity

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Rip Rap Dissipater Calculations 10-Year Storm

Outlet ID	Pipe Diameter (in)	Stone Class	Stone Depth (in)	Stone Material (tons)	Geo-Textile (SY)	Start Width (ft)	End Width (ft)	Length (ft)
FES 100	30	B	18	5	16	5	15	10
FES 120	30	B	18	5	16	5	15	10
FES 139	18	B	12	2	7	3	9	6
FES OS 1A	30	B	18	5	16	5	15	10
FES 140	36	B	18	7	22	6	18	12
FES OS 1B	18	B	12	2	7	3	9	6
FES 160	15	B	12	1	5	2.5	7.5	5
FES 0S 1C	18	B	12	2	7	3	9	6
FES 200	30	B	18	5	16	5	15	10
FES 250	18	B	12	2	7	3	9	6
FES OS 2	24	B	15	3	11	4	12	8
FES 400	36	B	18	7	22	6	18	12
FES OS 4	36	B	18	7	22	6	18	12
FES 500	48	I	24	17	38	8	24	16
FES OS 5A	24	B	15	3	11	4	12	8
FES 550	18	B	12	2	7	3	9	6
FES OS 5B	18	B	12	2	7	3	9	6
FES 560	30	B	18	5	16	5	15	10
FES OS 5C	18	B	12	2	7	3	9	6
FES 600	15	B	12	1	5	2.5	7.5	5
FES OS 6A	18	B	12	2	7	3	9	6
FES 610	24	B	15	3	11	4	12	8
FES 630	18	B	12	2	7	3	9	6
FES OS 6B	18	B	12	2	7	3	9	6
FES 700	24	B	15	3	11	4	12	8
FES 0S 7	18	B	12	2	7	3	9	6
GRNWY 100	15	B	12	1	5	2.5	7.5	5
GRNWY 110	15	B	12	1	5	2.5	7.5	5
GRNWY 120	15	B	12	1	5	2.5	7.5	5
EW 11	60 (DBL)	I	30	26	56	18	18	36
EW 21	42	B	24	10	28	7	21	14
EW 31	60	I	30	26	56	18	18	36

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 JACOB P. KLEIN
DO NOT USE FOR CONSTRUCTION
FOR INFORMATION, ONLY

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

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MERRITT RESERVE
SWALE AND SLOPE DRAIN SCHEDULE
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:
SWALE AND SLOPE DRAIN SCHEDULE

SHEET NO.: **G-005**

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

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2025-07-01

STRM - SCM 1A - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 101	FES 100	30"	Reinforced Concrete Pipe	104.80	6.38%	347.00	353.69
CB 102	CB 101	24"	Reinforced Concrete Pipe	102.65	0.54%	354.20	354.75
CB 103	CB 102	15"	Reinforced Concrete Pipe	43.84	1.92%	354.95	355.79
CB 104	CB 103	15"	Reinforced Concrete Pipe	28.00	0.50%	355.99	356.13
CB 105	CB 104	15"	Reinforced Concrete Pipe	111.66	0.50%	356.33	356.89
CB 105A	CB 105	15"	Reinforced Concrete Pipe	28.51	0.53%	357.09	357.24
CB 106	CB 102	18"	Reinforced Concrete Pipe	28.00	2.61%	354.95	355.68
CB 107	CB 106	18"	Reinforced Concrete Pipe	43.84	1.08%	355.89	356.36
CB 108	CB 107	18"	Reinforced Concrete Pipe	28.01	0.50%	358.32	358.46
CB 109	CB 108	18"	Reinforced Concrete Pipe	238.74	2.75%	358.72	365.30
CB 109A	CB 109	15"	Reinforced Concrete Pipe	45.23	2.83%	365.66	366.94
CB 111	JB 110	15"	Reinforced Concrete Pipe	146.61	2.98%	371.23	375.60
CB 111A	CB 111	15"	Reinforced Concrete Pipe	28.00	0.71%	375.80	376.00
CB 112	CB 111	15"	Reinforced Concrete Pipe	45.58	3.42%	376.00	377.56
CB 112A	CB 112	15"	Reinforced Concrete Pipe	28.00	0.50%	377.76	377.90
CB 113	CB 101	24"	Reinforced Concrete Pipe	28.98	2.83%	354.20	355.02
CB 114	CB 113	15"	Reinforced Concrete Pipe	88.77	1.13%	355.77	356.78
CB 115	CB 114	15"	Reinforced Concrete Pipe	121.13	0.95%	356.98	358.13
CB 115A	CB 115	15"	Reinforced Concrete Pipe	30.91	1.62%	358.27	358.77
CB 116	CB 115	15"	Reinforced Concrete Pipe	217.76	1.08%	358.43	360.79
CB 125	YI 124	30"	Reinforced Concrete Pipe	156.74	0.50%	352.52	353.30
CB 125A	CB 125	18"	Reinforced Concrete Pipe	28.00	0.60%	354.33	354.50
CB 126	CB 125	24"	Reinforced Concrete Pipe	86.39	7.96%	353.50	360.38
CB 127	CB 126	24"	Reinforced Concrete Pipe	43.84	0.50%	360.58	360.80
CB 128	CB 127	24"	Reinforced Concrete Pipe	28.00	0.64%	361.00	361.18
CB 129	CB 128	24"	Reinforced Concrete Pipe	43.84	0.52%	361.37	361.60
CB 130	CB 129	18"	Reinforced Concrete Pipe	28.02	0.50%	362.56	362.70
CB 131	CB 130	18"	Reinforced Concrete Pipe	43.14	0.51%	362.90	363.12
CB 131A	CB 131	15"	Reinforced Concrete Pipe	26.01	0.50%	363.56	363.69
CB 132	CB 131	18"	Reinforced Concrete Pipe	106.05	0.50%	363.40	363.93
CB 134	JB 133	15"	Reinforced Concrete Pipe	57.23	3.54%	365.11	367.14
CB 134A	CB 134	15"	Reinforced Concrete Pipe	26.00	0.96%	367.34	367.59
CB 135	CB 134	15"	Reinforced Concrete Pipe	161.00	4.36%	367.34	374.36
CB 136	CB 129	24"	Reinforced Concrete Pipe	111.29	0.50%	361.80	362.36
CB 136A	CB 136	24"	Reinforced Concrete Pipe	28.00	0.50%	362.56	362.70
CB 137	CB 125A	18"	Reinforced Concrete Pipe	60.54	0.60%	354.74	355.10
CB 138	CB 137	15"	Reinforced Concrete Pipe	26.00	0.60%	355.34	355.50
JB 110	CB 109	15"	Reinforced Concrete Pipe	211.86	2.47%	365.60	370.83
JB 113A	CB 113	24"	Reinforced Concrete Pipe	81.81	0.51%	355.22	355.64
JB 133	CB 132	15"	Reinforced Concrete Pipe	60.79	0.51%	364.20	364.51
YI 113B	JB 113A	18"	Reinforced Concrete Pipe	72.15	0.51%	356.18	356.55
YI 113C	YI 113B	18"	Reinforced Concrete Pipe	96.14	1.19%	356.75	357.89
YI 113D	YI 113C	15"	Reinforced Concrete Pipe	202.63	1.65%	358.16	361.50
YI 121	FES 120	30"	Reinforced Concrete Pipe	30.56	5.24%	347.00	348.60
YI 122	YI 121	30"	Reinforced Concrete Pipe	163.30	0.85%	348.70	350.09
YI 123	YI 122	30"	Reinforced Concrete Pipe	201.56	0.50%	350.19	351.20
YI 124	YI 123	30"	Reinforced Concrete Pipe	199.86	0.50%	351.30	352.30
YI 133A	JB 133	15"	Reinforced Concrete Pipe	31.12	0.51%	364.71	364.87
YI 136B	CB 136A	15"	Reinforced Concrete Pipe	76.22	0.51%	363.51	363.90

STRM - SCM 1A Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-1A	FES-OS-1A	30"	Reinforced Concrete Pipe	67.69	1.48%	345.00	346.00

STRM - SCM 1B - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 142	YI 141	36"	Reinforced Concrete Pipe	108.26	0.61%	375.80	376.46
CB 143	CB 142	36"	Reinforced Concrete Pipe	27.68	0.52%	376.56	376.71
CB 143A	CB 143	30"	Reinforced Concrete Pipe	105.99	0.59%	376.90	377.53
CB 144	CB 143	30"	Reinforced Concrete Pipe	160.20	0.44%	376.90	377.61
CB 144A	CB 144	15"	Reinforced Concrete Pipe	34.36	5.09%	378.85	380.60
CB 145	CB 144	30"	Reinforced Concrete Pipe	292.67	0.50%	377.70	379.16
CB 145A	CB 145	15"	Reinforced Concrete Pipe	28.00	0.50%	380.41	380.55
CB 145B	CB 145A	15"	Reinforced Concrete Pipe	39.91	0.50%	380.65	380.85
CB 145C	CB 145B	15"	Reinforced Concrete Pipe	34.85	0.50%	380.95	381.12
CB 145D	CB 145C	15"	Reinforced Concrete Pipe	44.14	0.93%	381.22	381.63
CB 146	CB 145	30"	Reinforced Concrete Pipe	43.29	0.50%	379.26	379.48
CB 146A	CB 146	15"	Reinforced Concrete Pipe	28.04	0.50%	380.75	380.89
CB 146B	CB 146A	15"	Reinforced Concrete Pipe	44.39	1.26%	381.10	381.66
CB 148	CB 146	24"	Reinforced Concrete Pipe	196.77	0.50%	380.00	380.98
CB 149	CB 148	24"	Reinforced Concrete Pipe	41.95	0.50%	381.10	381.31
CB 150	CB 149	24"	Reinforced Concrete Pipe	29.27	0.50%	381.40	381.55
CB 150A	CB 150	18"	Reinforced Concrete Pipe	45.62	0.50%	382.05	382.28
CB 150B	CB 150A	18"	Reinforced Concrete Pipe	28.36	0.50%	382.40	382.54
CB 151	CB 150	18"	Reinforced Concrete Pipe	138.41	0.50%	382.05	382.74
CB 152	CB 151	15"	Reinforced Concrete Pipe	125.15	0.50%	382.85	383.48
CB 153	CB 152	15"	Reinforced Concrete Pipe	42.07	1.50%	383.60	384.23
CB 154	CB 153	15"	Reinforced Concrete Pipe	28.00	0.93%	384.33	384.59
CB 154A	CB 154	15"	Reinforced Concrete Pipe	50.22	0.84%	384.70	385.12
FES 146C	CB 146A	15"	Reinforced Concrete Pipe	88.94	0.52%	381.10	381.56
JB-147	CB 143A	30"	Reinforced Concrete Pipe	164.84	0.50%	377.63	378.45
YI 141	FES 140	36"	Reinforced Concrete Pipe	44.91	0.38%	375.52	375.69
YI 155	YI 156	15"	Reinforced Concrete Pipe	202.66	0.50%	380.63	381.65
YI 156	YI 157	15"	Reinforced Concrete Pipe	91.20	0.73%	379.76	380.43
YI 157	YI 158	18"	Reinforced Concrete Pipe	141.57	0.58%	378.67	379.49
YI 158	YI 158A	24"	Reinforced Concrete Pipe	138.27	0.26%	377.77	378.13
YI 158A	JB-147	30"	Reinforced Concrete Pipe	143.18	0.50%	378.65	379.37
YI 159	YI 158A	15"	Reinforced Concrete Pipe	82.24	0.47%	379.15	379.54

STRM - SCM 1B Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-1B	FES-OS-1B	18"	Reinforced Concrete Pipe	53.41	1.87%	374.00	375.00

STRM - SCM 1C - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 163	YI 162	15"	Reinforced Concrete Pipe	119.13	4.19%	367.31	372.30
CB 164	CB 163	15"	Reinforced Concrete Pipe	34.00	1.00%	372.56	372.90
YI 161	FES 160	15"	Reinforced Concrete Pipe	56.51	8.39%	358.50	363.24
YI 162	YI 161	15"	Reinforced Concrete Pipe	136.00	2.60%	363.50	367.04

STRM - SCM 1C Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-1C	FES-OS-1C	18"	Reinforced Concrete Pipe	67.22	0.74%	359.50	360.00

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
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528 JACOB P. KLEIN
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
STORM PIPE SCHEDULE
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:
STORM PIPE SCHEDULE

SHEET NO.: **G-006**

North Carolina 811 811.ncgov

*** 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 @RDPave_Working Dwgs\Sheets\Construction Set\4. G-004 General Notes and Schedule.dwg

2025-07-01

STRM - SCM 4 - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 401	FES 400	36"	Reinforced Concrete Pipe	32.18	0.44%	361.00	361.14
CB 402	CB 401	36"	Reinforced Concrete Pipe	26.02	7.50%	361.25	363.20
CB 403	CB 402	30"	Reinforced Concrete Pipe	33.74	0.89%	363.40	363.70
CB 404	CB 403	30"	Reinforced Concrete Pipe	43.84	1.37%	363.90	364.50
CB 405	CB 404	30"	Reinforced Concrete Pipe	28.00	1.00%	364.70	364.98
CB 406	CB 405	30"	Reinforced Concrete Pipe	67.79	1.00%	365.20	365.88
CB 407	CB 406	30"	Reinforced Concrete Pipe	56.32	1.95%	366.10	367.20
CB 407A	CB 407	18"	Reinforced Concrete Pipe	35.48	0.99%	367.76	368.11
CB 408	CB 407	24"	Reinforced Concrete Pipe	127.50	2.43%	367.40	370.50
CB 409	CB 408	18"	Reinforced Concrete Pipe	64.62	2.94%	370.70	372.60
CB 410	CB 409	18"	Reinforced Concrete Pipe	49.98	3.00%	372.80	374.30
CB 411	CB 410	18"	Reinforced Concrete Pipe	137.71	0.58%	374.50	375.30
CB 412	CB 411	18"	Reinforced Concrete Pipe	34.00	0.59%	375.50	375.70
CB 413	CB 412	15"	Reinforced Concrete Pipe	115.23	0.61%	375.90	376.60
CB 414	CB 413	15"	Reinforced Concrete Pipe	28.00	0.71%	376.80	377.00
CB 415	CB 414	15"	Reinforced Concrete Pipe	78.85	0.60%	377.20	377.67
CB 416	CB 415	15"	Reinforced Concrete Pipe	76.95	0.60%	377.90	378.36
CB 417	CB 416	15"	Reinforced Concrete Pipe	28.00	0.61%	378.60	378.77
CB 418	CB 417	15"	Reinforced Concrete Pipe	37.37	0.59%	379.00	379.22
CB 419	CB 408	24"	Reinforced Concrete Pipe	28.10	0.61%	370.70	370.87
CB 420	CB 419	24"	Reinforced Concrete Pipe	43.42	0.92%	371.10	371.50
CB 421	CB 420	18"	Reinforced Concrete Pipe	29.43	0.99%	371.70	371.99
CB 422	CB 421	18"	Reinforced Concrete Pipe	54.01	2.00%	372.20	373.28
CB 422A	CB 422	18"	Reinforced Concrete Pipe	34.02	0.59%	373.50	373.70
CB 422C	CB 422A	15"	Reinforced Concrete Pipe	53.16	0.60%	373.90	374.22
CB 422D	CB 422C	15"	Reinforced Concrete Pipe	28.00	0.71%	374.40	374.60
CB 422E	CB 422D	15"	Reinforced Concrete Pipe	44.04	4.00%	374.80	376.56
CB 423	CB 422	15"	Reinforced Concrete Pipe	297.67	0.60%	373.50	375.29
CB 423A	CB 423	18"	Reinforced Concrete Pipe	34.07	1.00%	375.50	375.84
CB 424	CB 423	15"	Reinforced Concrete Pipe	237.37	0.60%	375.50	376.92
CB 425	CB 424	15"	Reinforced Concrete Pipe	54.00	0.59%	377.20	377.52
CB 426	CB 425	15"	Reinforced Concrete Pipe	28.51	0.60%	377.75	377.92
CB 427	CB 426	15"	Reinforced Concrete Pipe	74.49	0.60%	378.20	378.65
CB 428	CB 401	18"	Reinforced Concrete Pipe	97.08	1.91%	362.65	364.50
CB 429	CB 428	15"	Reinforced Concrete Pipe	181.82	3.74%	364.70	371.50
CB 429A	CB 429	15"	Reinforced Concrete Pipe	29.58	0.51%	371.70	371.85
CB 430	CB 401	24"	Reinforced Concrete Pipe	206.01	0.94%	362.15	364.08
CB 431	CB 430	15"	Reinforced Concrete Pipe	28.00	0.71%	364.30	364.50
CB 432	CB 431	15"	Reinforced Concrete Pipe	46.67	5.79%	364.70	367.40
CB 433	CB 432	15"	Reinforced Concrete Pipe	101.48	4.14%	367.60	371.80
CB 433A	CB 433	15"	Reinforced Concrete Pipe	34.02	0.59%	372.00	372.20
CB 434	CB 430	15"	Reinforced Concrete Pipe	46.67	0.49%	364.30	364.53
CB 435	CB 434	15"	Reinforced Concrete Pipe	34.00	0.50%	364.75	364.92
CB 436	CB 435	15"	Reinforced Concrete Pipe	46.67	0.49%	365.15	365.38
CB 436A	CB 436	15"	Reinforced Concrete Pipe	28.00	0.50%	365.60	365.74
JB 407F	YI 407E	15"	Reinforced Concrete Pipe	250.51	1.01%	-8.21	-5.68
YI 404A	CB 404	15"	Reinforced Concrete Pipe	21.89	1.00%	365.70	365.92
YI 407B	CB 407A	18"	Reinforced Concrete Pipe	113.77	0.40%	368.31	368.77
YI 407C	YI 407B	18"	Reinforced Concrete Pipe	136.00	1.39%	368.92	370.82
YI 407D	YI 407C	15"	Reinforced Concrete Pipe	136.00	1.88%	371.03	373.58
YI 407E	YI 407D	15"	Reinforced Concrete Pipe	170.29	1.64%	373.69	376.49
YI 407G	JB 407F	15"	Reinforced Concrete Pipe	124.36	1.00%	-5.68	-4.44
YI 422B	CB 422A	15"	Reinforced Concrete Pipe	60.89	1.00%	373.90	374.51

STRM - SCM 2 Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-2	FES-OS-2	24"	Reinforced Concrete Pipe	84.38	1.19%	350.00	351.00

STRM - SCM 4A Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-4	FES-OS-4	36"	Reinforced Concrete Pipe	206.49	0.97%	355.00	357.00

STRM - SCM 5A Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-5A	FES-OS-5A	24"	Reinforced Concrete Pipe	87.25	2.06%	305.00	306.80

STRM - SCM 5A - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 503	JB 502	42"	Reinforced Concrete Pipe	110.09	0.64%	322.90	323.60
CB 503A	CB 503	42"	Reinforced Concrete Pipe	9.04	0.00%	324.06	324.06
CB 504	CB 503	42"	Reinforced Concrete Pipe	90.20	0.60%	323.86	324.40
CB 504A	CB 504	15"	Reinforced Concrete Pipe	28.00	0.93%	325.60	325.86
CB 505	CB 504	42"	Reinforced Concrete Pipe	96.91	0.62%	324.40	325.00
CB 506	CB 505	42"	Reinforced Concrete Pipe	105.50	1.10%	325.50	326.66
CB 507	CB 506	30"	Reinforced Concrete Pipe	110.22	0.50%	326.90	327.45
CB 507A	CB 507	30"	Reinforced Concrete Pipe	30.00	1.00%	327.85	328.15
CB 507B	CB 507A	30"	Reinforced Concrete Pipe	91.84	0.50%	328.35	328.81
CB 508	CB 507	24"	Reinforced Concrete Pipe	130.56	0.57%	327.65	328.40
CB 509	CB 508	18"	Reinforced Concrete Pipe	132.41	3.32%	328.60	333.00
CB 509A	CB 509	15"	Reinforced Concrete Pipe	62.44	4.96%	333.20	336.30
CB 510	CB 509	15"	Reinforced Concrete Pipe	201.00	7.50%	333.20	348.28
CB 510A	CB 510	15"	Reinforced Concrete Pipe	63.00	7.98%	348.50	353.53
CB 511	JB 502	18"	Reinforced Concrete Pipe	37.83	7.96%	325.00	328.01
CB 511A	CB 511	15"	Reinforced Concrete Pipe	28.38	5.67%	328.20	329.81
CB 512	CB 511	15"	Reinforced Concrete Pipe	67.67	10.00%	328.20	334.97
CB 513	CB 512	15"	Reinforced Concrete Pipe	66.50	10.00%	335.20	341.85
CB 514	CB 513	15"	Reinforced Concrete Pipe	89.62	10.00%	342.10	351.06
CB 514A	CB 514	18"	Reinforced Concrete Pipe	37.67	3.42%	351.30	352.59
CB 515	CB 506	42"	Reinforced Concrete Pipe	28.01	0.61%	326.90	327.07
CB 516	CB 515	42"	Reinforced Concrete Pipe	45.48	0.59%	327.30	327.57
CB 517	CB 516	42"	Reinforced Concrete Pipe	28.15	0.60%	327.80	327.97
CB 518	CB 517	36"	Reinforced Concrete Pipe	75.32	3.00%	328.20	330.46
CB 519	CB 518	36"	Reinforced Concrete Pipe	87.58	4.00%	330.65	334.15
CB 519A	CB 519	15"	Reinforced Concrete Pipe	38.00	1.00%	335.40	335.78
CB 520	CB 519	30"	Reinforced Concrete Pipe	149.17	3.50%	334.40	339.62
CB 521	CB 520	24"	Reinforced Concrete Pipe	96.00	3.99%	339.80	343.63
CB 522	CB 521	24"	Reinforced Concrete Pipe	67.78	5.00%	343.85	347.24
CB 522A	CB 522	15"	Reinforced Concrete Pipe	30.18	1.09%	347.80	348.13
CB 523	CB 522	24"	Reinforced Concrete Pipe	67.24	5.95%	347.50	351.50
CB 524	CB 523	24"	Reinforced Concrete Pipe	133.10	6.99%	351.70	361.00
CB 524A	CB 524	15"	Reinforced Concrete Pipe	28.01	1.00%	361.20	361.48
CB 525	CB 524	24"	Reinforced Concrete Pipe	66.11	8.02%	361.20	366.50
CB 526	CB 525	18"	Reinforced Concrete Pipe	129.00	5.66%	366.70	374.00
CB 527	CB 526	18"	Reinforced Concrete Pipe	60.24	2.49%	374.20	375.70
CB 528	CB 527	18"	Reinforced Concrete Pipe	44.83	1.49%	375.90	376.57
CB 528A	CB 528	15"	Reinforced Concrete Pipe	28.09	1.00%	376.80	377.08
CB 529	CB 528	15"	Reinforced Concrete Pipe	98.44	1.00%	376.80	377.78
CB 530	CB 529	15"	Reinforced Concrete Pipe	205.64	1.02%	378.00	380.10
CB 531	CB 530	15"	Reinforced Concrete Pipe	128.18	1.00%	380.30	381.58
CB 531A	CB 531	15"	Reinforced Concrete Pipe	28.05	1.00%	381.80	382.08
CB 532	CB 531	15"	Reinforced Concrete Pipe	89.74	1.00%	381.80	382.70
CB 532A	CB 532	15"	Reinforced Concrete Pipe	28.07	0.50%	382.90	383.04
CB 533	CB 532A	15"	Reinforced Concrete Pipe	45.00	0.58%	383.24	383.50
CB 534	CB 523	18"	Reinforced Concrete Pipe	50.67	5.53%	351.70	354.50
CB 535	CB 534	18"	Reinforced Concrete Pipe	43.84	8.44%	354.70	358.40
CB 535A	CB 535	15"	Reinforced Concrete Pipe	28.00	1.00%	358.60	358.88
CB 535B	CB 535A	15"	Reinforced Concrete Pipe	41.70	0.50%	359.20	359.41
CB 536	CB 535	15"	Reinforced Concrete Pipe	131.64	1.82%	358.60	361.00
CB 536A	CB 536	15"	Reinforced Concrete Pipe	28.09	1.00%	361.20	361.48
CB 537	CB 536	15"	Reinforced Concrete Pipe	173.32	2.77%	361.20	366.00
CB 537A	CB 537	15"	Reinforced Concrete Pipe	38.55	3.53%	366.20	367.56
CB 538	CB 520	24"	Reinforced Concrete Pipe	28.50	1.05%	339.80	340.10
CB 539	CB 538	18"	Reinforced Concrete Pipe	48.00	4.58%	340.30	342.50
CB 539A	CB 539	15"	Reinforced Concrete Pipe	28.00	1.00%	342.70	342.98
CB 541	JB 540	15"	Reinforced Concrete Pipe	73.25	4.37%	348.80	352.00
CB 541A	CB 541	15"	Reinforced Concrete Pipe	27.89	2.40%	352.20	352.87
JB 500A	FES 500	48"	Reinforced Concrete Pipe	82.54	0.90%	316.11	316.85
JB 500B	JB 500A	48"	Reinforced Concrete Pipe	123.53	0.97%	317.80	319.00

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

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

STORM PIPE SCHEDULE

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:

STORM PIPE SCHEDULE

SHEET NO.: **G-007**

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

STRM - SCM 5A - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
JB 502	YI 501	42"	Reinforced Concrete Pipe	72.83	0.49%	322.25	322.61
JB 535D	YI 535C	15"	Reinforced Concrete Pipe	56.89	3.92%	360.44	362.67
JB 540	CB 539	15"	Reinforced Concrete Pipe	115.72	5.10%	342.70	348.60
YI 353F	YI 535E	15"	Reinforced Concrete Pipe	114.79	2.33%	364.06	366.73
YI 501	JB 500B	48"	Reinforced Concrete Pipe	132.05	2.27%	319.00	322.00
YI 507C	CB 507B	30"	Reinforced Concrete Pipe	121.94	0.60%	329.00	329.73
YI 507D	YI 507C	24"	Reinforced Concrete Pipe	309.47	4.40%	330.05	343.67
YI 507E	YI 507D	18"	Reinforced Concrete Pipe	200.86	9.96%	344.00	364.00
YI 507F	YI 507E	15"	Reinforced Concrete Pipe	234.00	3.34%	364.20	372.02
YI 522B	CB 522A	15"	Reinforced Concrete Pipe	81.67	1.43%	348.33	349.50
YI 535C	CB 535B	15"	Reinforced Concrete Pipe	126.17	0.50%	359.61	360.24
YI 535E	JB 535D	15"	Reinforced Concrete Pipe	122.04	0.81%	362.87	363.86
YI 535G	YI 353F	15"	Reinforced Concrete Pipe	208.41	3.55%	366.93	374.32

STRM - SCM 5C - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 562	JB 561	30"	Reinforced Concrete Pipe	79.00	6.70%	300.71	306.00
CB 562A	CB 562	18"	Reinforced Concrete Pipe	176.32	0.50%	307.00	307.88
CB 563	CB 562	24"	Reinforced Concrete Pipe	163.56	1.77%	306.50	309.40
CB 564	CB 563	24"	Reinforced Concrete Pipe	180.72	4.75%	309.62	318.20
CB 565	CB 564	24"	Reinforced Concrete Pipe	228.43	5.50%	318.44	331.00
CB 566	CB 565	24"	Reinforced Concrete Pipe	275.66	5.30%	332.20	346.80
CB 567	CB 566	18"	Reinforced Concrete Pipe	353.41	2.25%	347.05	355.00
CB 568	CB 567	15"	Reinforced Concrete Pipe	153.91	2.00%	355.22	358.30
CB 569	CB 568	15"	Reinforced Concrete Pipe	101.67	2.00%	358.57	360.60
CB 570	CB 569	15"	Reinforced Concrete Pipe	289.58	3.50%	360.86	371.00
CB 571	CB 570	15"	Reinforced Concrete Pipe	276.54	1.50%	371.25	375.40
CB 572	CB 571	15"	Reinforced Concrete Pipe	389.26	0.50%	375.65	377.60
CB 572A	CB 572	15"	Reinforced Concrete Pipe	86.96	2.99%	377.80	380.40
JB 561	FES 560	30"	Reinforced Concrete Pipe	53.43	8.96%	292.00	296.79

STRM - SCM 5C Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-5C	FES-OS-5C	18"	Reinforced Concrete Pipe	60.57	1.65%	290.00	291.00

STRM - SCM 6A - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 603	JB 602	15"	Reinforced Concrete Pipe	133.09	8.94%	291.20	303.10
CB 604	CB 603	15"	Reinforced Concrete Pipe	75.22	6.91%	303.30	308.50
CB 604A	CB 604	18"	Reinforced Concrete Pipe	37.85	2.08%	308.70	309.49
CB 605	CB 604	15"	Reinforced Concrete Pipe	132.56	7.17%	308.70	318.20
CB 605A	CB 605	15"	Reinforced Concrete Pipe	28.02	1.00%	318.40	318.68
JB 602	YI 601	15"	Reinforced Concrete Pipe	55.12	8.71%	286.20	291.00
YI 601	FES 600	15"	Reinforced Concrete Pipe	96.48	4.15%	282.00	286.00

STRM - SCM 6A Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-6A	FES-OS-6A	18"	Reinforced Concrete Pipe	101.87	3.44%	273.00	276.50

STRM - SCM 6B - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 611	FES 610	24"	Reinforced Concrete Pipe	21.60	4.63%	289.00	290.00
CB 612	CB 611	24"	Reinforced Concrete Pipe	129.20	8.36%	290.20	301.00
CB 613	CB 612	24"	Reinforced Concrete Pipe	41.93	1.00%	301.28	301.70
CB 613A	CB 613	18"	Reinforced Concrete Pipe	48.73	0.60%	301.91	302.20
CB 613B	CB 613A	15"	Reinforced Concrete Pipe	34.30	0.70%	302.40	302.64
CB 614	CB 613	24"	Reinforced Concrete Pipe	41.52	10.00%	301.90	306.05
CB 615	CB 614	24"	Reinforced Concrete Pipe	45.78	9.94%	306.25	310.80
CB 615A	CB 615	18"	Reinforced Concrete Pipe	164.31	4.75%	311.00	318.80
CB 615B	CB 615A	15"	Reinforced Concrete Pipe	28.00	1.00%	319.00	319.28
CB 616	CB 615	24"	Reinforced Concrete Pipe	28.28	9.90%	311.00	313.80
CB 617	CB 616	24"	Reinforced Concrete Pipe	54.26	9.95%	314.00	319.40
CB 617A	CB 617	15"	Reinforced Concrete Pipe	34.00	10.00%	319.60	323.00
CB 618	CB 617	24"	Reinforced Concrete Pipe	118.07	6.27%	319.60	327.00
CB 618A	CB 618	15"	Reinforced Concrete Pipe	66.41	6.63%	327.20	331.60
CB 618B	CB 618A	15"	Reinforced Concrete Pipe	32.00	0.59%	331.80	331.99
CB 619	CB 618	18"	Reinforced Concrete Pipe	34.52	0.61%	327.20	327.41
CB 620	CB 619	18"	Reinforced Concrete Pipe	54.02	0.74%	327.60	328.00
CB 621	CB 620	18"	Reinforced Concrete Pipe	32.39	0.62%	328.20	328.40
CB 622	CB 621	18"	Reinforced Concrete Pipe	49.14	1.02%	328.60	329.10
CB 623	CB 622	18"	Reinforced Concrete Pipe	34.09	0.88%	329.30	329.60
CB 624	CB 623	15"	Reinforced Concrete Pipe	158.24	3.73%	329.80	335.70
CB 625	CB 624	15"	Reinforced Concrete Pipe	46.67	4.50%	335.90	338.00
CB 625A	CB 625	15"	Reinforced Concrete Pipe	28.00	-0.71%	338.20	338.00
CB 626	CB 625	15"	Reinforced Concrete Pipe	224.01	2.72%	338.20	344.30
CB 627	CB 626	15"	Reinforced Concrete Pipe	43.82	0.91%	344.50	344.90
CB 628	CB 627	15"	Reinforced Concrete Pipe	92.62	1.25%	345.10	346.26
CB 628A	CB 628	15"	Reinforced Concrete Pipe	28.03	0.61%	346.50	346.67
CB 633	YI 632	15"	Reinforced Concrete Pipe	78.57	1.91%	301.20	302.70
CB 634	CB 633	15"	Reinforced Concrete Pipe	208.97	1.00%	302.90	305.00
YI 631	FES 630	18"	Reinforced Concrete Pipe	11.26	8.88%	289.00	290.00
YI 632	YI 631	15"	Reinforced Concrete Pipe	110.64	9.76%	290.20	301.00

STRM - SCM 6B Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-6B	FES-OS-6B	18"	Reinforced Concrete Pipe	91.94	1.90%	282.25	284.00

STRM - SCM 7 - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB 702A	JB 702	18"	Reinforced Concrete Pipe	78.08	0.50%	319.45	319.84
CB 703	JB 702	15"	Reinforced Concrete Pipe	39.05	2.38%	327.83	328.76
CB 703A	CB 703	15"	Reinforced Concrete Pipe	30.68	3.39%	328.96	330.00
CB 704	CB 703	15"	Reinforced Concrete Pipe	124.07	7.49%	328.96	338.25
CB 752	JB 751	24"	Reinforced Concrete Pipe	159.46	11.79%	325.20	344.00
JB 702	YI 701	24"	Reinforced Concrete Pipe	126.98	0.50%	318.27	318.90
JB 751	FES 750	24"	Reinforced Concrete Pipe	62.25	11.25%	318.00	325.00
YI 701	FES 700	24"	Reinforced Concrete Pipe	50.79	1.12%	317.50	318.07
YI 702B	CB 702A	15"	Reinforced Concrete Pipe	57.52	0.50%	320.11	320.40

STRM - SCM 7 Out - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
OS-7	FES-OS-7	18"	Reinforced Concrete Pipe	86.85	1.15%	312.00	313.00

Greenway Culverts - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
FES 1000	FES 1001	15"	Reinforced Concrete Pipe	37.06	1.89%	270.50	271.20
FES 1002	FES 1003	15"	Reinforced Concrete Pipe	27.85	3.59%	279.00	280.00
FES 1004	FES 1005	15"	Reinforced Concrete Pipe	32.65	2.30%	297.50	298.25

Culverts - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
		72"	Reinforced Concrete Pipe	70.74	1.77%	349.50	350.75
FES 40	FES 41	15"	Reinforced Concrete Pipe	118.21	0.85%	375.00	376.00
HW 10	EW 11	72"	Reinforced Concrete Pipe	70.74	1.77%	349.50	350.75
HW 20	EW 21	54"	Reinforced Concrete Pipe	114.19	0.96%	370.80	371.90
HW 30	EW 31	60"	Reinforced Concrete Pipe	131.59	3.12%	285.00	289.10

STRM - Offsite Storm - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
CB-1001	JB-1000	18"	Reinforced Concrete Pipe	42.41	0.50%	382.00	382.21
CB-1002	CB-1001	18"	Reinforced Concrete Pipe	146.73	0.50%	382.40	383.13
CB-1003	CB-1002	18"	Reinforced Concrete Pipe	84.10	0.50%	383.30	383.72
CB-1004	CB-1003	18"	Reinforced Concrete Pipe	163.33	0.50%	383.90	384.72
CB-1005	CB-1004	18"	Reinforced Concrete Pipe	248.08	0.50%	384.90	386.14
CB-1006	CB-1005	18"	Reinforced Concrete Pipe	135.36	0.50%	386.35	387.03
CB-1010	JB-1000	18"	Reinforced Concrete Pipe	104.53	0.50%	382.00	382.52
CB-1011	CB-1010	18"	Reinforced Concrete Pipe	41.30	0.50%	382.75	382.96
JB-1000		18"	Reinforced Concrete Pipe	32.72	2.67%	380.92	381.79
YI-1007	CB-1006	18"	Reinforced Concrete Pipe	51.68	0.50%	387.20	387.46

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 JACOB P. KLEIN 36528

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

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

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MERRITT RESERVE

STORM PIPE SCHEDULE

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:

STORM PIPE SCHEDULE

SHEET NO.: **G-008**

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

Z:\Jobs\23-0004 Merritt Property\BIM\dwg_Working Dwgs\Sheets\Construction Set\4_G-004 General Notes and Schedule.dwg

2025-07-01

Culverts - Structure Table	
Structure Name	Details
EW 11	RIM = 356.17 INV IN = 349.500
EW 21	RIM = 374.84 INV IN = 370.800
EW 31	RIM = 290.58 INV IN = 285.000
FES 40	RIM = -2.65 INV OUT = 376.000
FES 41	RIM = 376.52 INV IN = 375.000
HW 10	RIM = 357.42 INV OUT = 350.750
HW 20	RIM = 375.94 INV OUT = 371.900
HW 30	RIM = 294.68 INV OUT = 289.100
FES 1000	RIM = 272.72 INV OUT = 271.200
FES 1001	RIM = 272.02 INV IN = 270.500
FES 1002	RIM = 276.23 INV OUT = 280.000
FES 1003	RIM = 280.52 INV IN = 279.000
FES 1004	RIM = 298.01 INV OUT = 298.250
FES 1005	RIM = 299.02 INV IN = 297.500

Greenway Culverts - Structure Table

STRM - SCM 1A - Structure Table	
Structure Name	Details
CB 101	RIM = 359.17 INV IN = 354.200 INV IN = 354.200 INV OUT = 353.690
CB 102	RIM = 361.07 INV IN = 354.950 INV IN = 354.950 INV OUT = 354.750
CB 103	RIM = 362.60 INV IN = 355.990 INV OUT = 355.790
CB 104	RIM = 362.59 INV IN = 356.330 INV OUT = 356.130
CB 105	RIM = 362.13 INV IN = 357.090 INV OUT = 356.890
CB 105A	RIM = 361.99 INV OUT = 357.240
CB 106	RIM = 361.07 INV IN = 355.889 INV OUT = 355.681
CB 107	RIM = 362.71 INV IN = 358.321 INV OUT = 356.360
CB 108	RIM = 362.72 INV IN = 358.724 INV OUT = 358.461
CB 109	RIM = 369.42 INV IN = 365.658 INV IN = 365.599 INV OUT = 365.297
CB 109A	RIM = 370.44 INV OUT = 366.938
CB 111	RIM = 379.59 INV IN = 376.000 INV IN = 375.800 INV OUT = 375.600
CB 111A	RIM = 379.59 INV OUT = 376.000
CB 112	RIM = 383.00 INV IN = 377.760 INV OUT = 377.560
CB 112A	RIM = 383.02 INV OUT = 377.900
CB 113	RIM = 359.15 INV IN = 355.220 INV IN = 355.770 INV OUT = 355.020
CB 114	RIM = 359.88 INV IN = 356.981 INV OUT = 356.777
CB 115	RIM = 361.63 INV IN = 358.271 INV IN = 358.430 INV OUT = 358.131
CB 115A	RIM = 361.94 INV OUT = 358.771
CB 116	RIM = 364.67 INV OUT = 360.790
CB 125	RIM = 362.39 INV IN = 353.500 INV IN = 354.332 INV OUT = 353.300
CB 125A	RIM = 362.28 INV IN = 354.737 INV OUT = 354.500
CB 126	RIM = 365.23 INV IN = 360.580 INV OUT = 360.380
CB 127	RIM = 366.95 INV IN = 361.000 INV OUT = 360.800
CB 128	RIM = 367.13 INV IN = 361.370 INV OUT = 361.180
CB 129	RIM = 367.86 INV IN = 362.560 INV IN = 361.800 INV OUT = 361.600
CB 130	RIM = 367.67 INV IN = 362.900 INV OUT = 362.700
CB 131	RIM = 367.09 INV IN = 363.400 INV IN = 363.560 INV OUT = 363.120
CB 131A	RIM = 366.92 INV OUT = 363.690
CB 132	RIM = 368.15 INV IN = 364.200 INV OUT = 363.930
CB 134	RIM = 372.42 INV IN = 367.340 INV IN = 367.340 INV OUT = 367.140
CB 134A	RIM = 372.47 INV OUT = 367.590
CB 135	RIM = 381.89 INV OUT = 374.360

STRM - SCM 1A - Structure Table	
Structure Name	Details
CB 136	RIM = 373.40 INV IN = 362.560 INV OUT = 362.360
CB 136A	RIM = 373.13 INV IN = 363.510 INV OUT = 362.700
CB 137	RIM = 361.72 INV IN = 355.344 INV OUT = 355.100
CB 138	RIM = 361.72 INV OUT = 355.500
FES 100	RIM = 349.88 INV IN = 347.000
FES 120	RIM = 349.88 INV IN = 347.000
JB 110	RIM = 379.28 INV IN = 371.230 INV OUT = 370.830
JB 113A	RIM = 360.76 INV IN = 356.180 INV OUT = 355.640
JB 133	RIM = 369.81 INV IN = 365.113 INV IN = 364.710 INV OUT = 364.510
YI 113B	RIM = 358.98 INV IN = 356.750 INV OUT = 356.550
YI 113C	RIM = 360.90 INV IN = 358.160 INV OUT = 357.890
YI 113D	RIM = 366.70 INV OUT = 361.500
YI 121	RIM = 357.85 INV IN = 348.700 INV OUT = 348.600
YI 122	RIM = 358.15 INV IN = 350.192 INV OUT = 350.090
YI 123	RIM = 360.96 INV IN = 351.301 INV OUT = 351.200
YI 124	RIM = 361.67 INV IN = 352.520 INV OUT = 352.300
YI 133A	RIM = 368.68 INV OUT = 364.870
YI 136B	RIM = 368.24 INV OUT = 363.900

STRM - SCM 1A Out - Structure Table	
Structure Name	Details
FES-OS-1A	RIM = 347.88 INV IN = 345.000
OS-1A	RIM = 349.65 INV OUT = 346.000

STRM - Offsite Storm - Structure Table	
Structure Name	Details
CB-1001	RIM = 384.94 INV IN = 382.400 INV OUT = 382.212
CB-1002	RIM = 385.84 INV IN = 383.300 INV OUT = 383.134
CB-1003	RIM = 391.14 INV IN = 383.900 INV OUT = 383.721
CB-1004	RIM = 391.14 INV IN = 384.900 INV OUT = 384.717
CB-1005	RIM = 388.89 INV IN = 386.350 INV OUT = 386.140
CB-1006	RIM = 391.14 INV IN = 387.200 INV OUT = 387.027
CB-1010	RIM = 385.29 INV IN = 382.750 INV OUT = 382.523
CB-1011	RIM = 391.14 INV OUT = 382.956
JB-1000	RIM = 384.54 INV IN = 382.000 INV IN = 382.000 INV OUT = 381.792
YI-1007	RIM = 391.14 INV OUT = 387.458

STRM - SCM 1B Out - Structure Table	
Structure Name	Details
FES-OS-1B	RIM = 375.79 INV IN = 374.000
OS-1B	RIM = 379.36 INV OUT = 375.000

STRM - SCM 1C - Structure Table	
Structure Name	Details
CB 163	RIM = 379.89 INV IN = 372.560 INV OUT = 372.300
CB 164	RIM = 379.16 INV OUT = 372.900
FES 160	RIM = 360.02 INV IN = 358.500
YI 161	RIM = 367.77 INV IN = 363.500 INV OUT = 363.240
YI 162	RIM = 370.64 INV IN = 367.313 INV OUT = 367.040

STRM - SCM 1C Out - Structure Table	
Structure Name	Details
FES-OS-1C	RIM = 359.45 INV IN = 359.500
OS-1C	RIM = 363.43 INV OUT = 360.000

STRM - SCM 2 - Structure Table	
Structure Name	Details
CB 202	RIM = 360.16 INV IN = 352.700 INV IN = 352.700 INV IN = 353.730 INV OUT = 352.487
CB 202A	RIM = 360.16 INV OUT = 353.870
CB 203	RIM = 361.11 INV IN = 353.500 INV IN = 354.450 INV OUT = 353.207
CB 203A	RIM = 361.14 INV OUT = 354.591
CB 204	RIM = 361.74 INV IN = 353.800 INV OUT = 353.709
CB 205	RIM = 361.75 INV IN = 354.050 INV OUT = 353.940
CB 206	RIM = 362.21 INV IN = 354.360 INV OUT = 354.255
CB 207	RIM = 362.67 INV IN = 355.100 INV IN = 355.600 INV OUT = 354.595
CB 208	RIM = 362.67 INV IN = 355.350 INV OUT = 355.240
CB 209	RIM = 364.05 INV IN = 356.070 INV IN = 356.320 INV OUT = 355.569
CB 209A	RIM = 364.01 INV OUT = 356.460
CB 210	RIM = 368.24 INV IN = 360.400 INV IN = 355.603 INV OUT = 360.160
CB 211	RIM = 374.04 INV IN = 366.000 INV IN = 366.000 INV OUT = 365.810
CB 211A	RIM = 374.24 INV OUT = 366.140
CB 212	RIM = 376.46 INV IN = 368.200 INV IN = 368.200 INV OUT = 368.000
CB 212A	RIM = 376.95 INV IN = 368.662 INV OUT = 368.544
CB 213	RIM = 376.25 INV IN = 368.600 INV IN = 372.645 INV OUT = 368.340
CB 213A	RIM = 377.34 INV IN = 373.244 INV OUT = 373.044
CB 214	RIM = 379.15 INV IN = 371.000 INV OUT = 370.800
CB 215	RIM = 384.66 INV IN = 375.200 INV OUT = 375.000
CB 216	RIM = 388.76 INV IN = 379.300 INV IN = 379.300 INV OUT = 379.100
CB 216A	RIM = 388.81 INV OUT = 379.440
CB 217	RIM = 390.16 INV IN = 381.180 INV OUT = 381.000
CB 217A	RIM = 390.14 INV OUT = 381.440
CB 223	RIM = 361.32 INV IN = 354.050 INV IN = 354.050 INV OUT = 353.312
CB 223A	RIM = 361.47 INV OUT = 354.194
CB 224	RIM = 362.55 INV IN = 354.450 INV IN = 354.450 INV OUT = 354.269
CB 224A	RIM = 362.53 INV OUT = 354.590
CB 225	RIM = 365.97 INV OUT = 357.900
CB 226	RIM = 363.25 INV IN = 356.050 INV OUT = 355.933
CB 227	RIM = 363.71 INV IN = 356.380 INV IN = 356.530 INV OUT = 356.275
CB 227A	RIM = 363.70 INV OUT = 356.670
CB 228	RIM = 363.68 INV IN = 357.400 INV OUT = 357.130

STRM - SCM 2 - Structure Table	
Structure Name	Details
FES 200	RIM = 354.38 INV IN = 351.500
FES 240	RIM = 354.29 INV OUT = 355.000
FES 250	RIM = 353.29 INV IN = 351.500
YI 201	RIM = 357.30 INV IN = 352.050 INV OUT = 351.939
YI 210A	RIM = 362.00 INV IN = 356.118 INV OUT = 355.836
YI 210B	RIM = 361.91 INV IN = 357.825 INV OUT = 357.438
YI 210C	RIM = 360.00 INV OUT = 358.536
YI 212B	RIM = 371.58 INV IN = 370.143 INV OUT = 369.879
YI 212C	RIM = 373.58 INV IN = 371.239 INV OUT = 370.890
YI 212D	RIM = 374.61 INV IN = 371.705 INV OUT = 371.838
YI 212E	RIM = 375.97 INV OUT = 373.295
YI 213B	RIM = 377.88 INV IN = 374.032 INV OUT = 373.832
YI 213C	RIM = 377.79 INV IN = 374.610 INV OUT = 374.410
YI 213D	RIM = 378.30 INV OUT = 375.098
YI 229	RIM = 364.28 INV IN = 360.200 INV OUT = 360.000
YI 230	RIM = 366.07 INV IN = 362.200 INV OUT = 362.000
YI 231	RIM = 373.43 INV IN = 367.000 INV OUT = 366.800
YI 232	RIM = 378.41 INV IN = 373.700 INV OUT = 373.500
YI 233	RIM = 381.86 INV IN = 374.700 INV OUT = 374.500
YI 234	RIM = 384.94 INV OUT = 375.380

STRM - SCM 2 Out - Structure Table	
Structure Name	Details
FES-OS-2	RIM = 352.33 INV IN = 350.000
OS-2	RIM = 353.25 INV OUT = 351.000

STRM - SCM 4 - Structure Table	
Structure Name	Details
CB 401	RIM = 370.55 INV IN = 361.250 INV IN = 362.150 INV IN = 362.650 INV OUT = 361.143
CB 402	RIM = 370.31 INV IN = 363.400 INV OUT = 363.200
CB 403	RIM = 370.74 INV IN = 363.900 INV OUT = 363.700
CB 404	RIM = 371.99 INV IN = 364.700 INV IN = 365.700 INV OUT = 364.500
CB 405	RIM = 371.99 INV IN = 365.200 INV OUT = 364.980
CB 406	RIM = 373.69 INV IN = 366.100 INV OUT = 365.880
CB 407	RIM = 375.07 INV IN = 367.760 INV IN = 367.400 INV OUT = 367.200
CB 407A	RIM = 375.64 INV IN = 368.310 INV OUT = 368.110
CB 408	RIM = 378.43 INV IN = 370.700 INV IN = 370.700 INV OUT = 370.500
CB 409	RIM = 380.23 INV IN = 372.800 INV OUT = 372.600
CB 410	RIM = 382.08 INV IN = 374.500 INV OUT = 374.300
CB 411	RIM = 384.96 INV IN = 375.500 INV OUT = 375.300
CB 412	RIM = 384.52 INV IN = 375.900 INV OUT = 375.700
CB 413	RIM = 384.74 INV IN = 376.800 INV OUT = 376.600
CB 414	RIM = 384.80 INV IN = 377.200 INV OUT = 377.000
CB 415	RIM = 384.57 INV IN = 377.900 INV OUT = 377.670
CB 416	RIM = 385.58 INV IN = 378.600 INV OUT = 378.360
CB 417	RIM = 385.58 INV IN = 379.000 INV OUT = 378.770
CB 418	RIM = 386.00 INV OUT = 379.220
CB 419	RIM = 378.40 INV IN = 371.100 INV OUT = 370.870
CB 420	RIM = 379.57 INV IN = 371.700 INV OUT = 371.500
CB 421	RIM = 379.48 INV IN = 372.200 INV OUT = 371.990
CB 422	RIM = 381.78 INV IN = 373.500 INV IN = 373.500 INV OUT = 373.280
CB 422A	RIM = 381.93 INV IN = 373.900 INV IN = 373.900 INV OUT = 373.700
CB 422C	RIM = 381.98 INV IN = 374.400 INV OUT = 374.220
CB 422D	RIM = 381.70 INV IN = 374.800 INV OUT = 374.600
CB 422E	RIM = 382.03 INV OUT = 376.560
CB 423	RIM = 385.53 INV IN = 375.500 INV IN = 375.500 INV OUT = 375.290
CB 423A	RIM = 384.81 INV OUT = 375.840
CB 424	RIM = 387.38 INV IN = 377.200 INV OUT = 376.920
CB 425	RIM = 385.70 INV IN = 377.750 INV OUT = 377.520

STRM - SCM 4 - Structure Table	
Structure Name	Details
CB 426	RIM = 385.54 INV IN = 378.200 INV OUT = 377.920
CB 427	RIM = 384.81 INV OUT = 378.650
CB 428	RIM = 371.84 INV IN = 364.700 INV OUT = 364.500
CB 429	RIM = 379.68 INV IN = 371.700 INV OUT = 371.500
CB 429A	RIM = 380.12 INV OUT = 371.850
CB 430	RIM = 372.10 INV IN = 364.300 INV IN = 364.300 INV OUT = 364.080
CB 431	RIM = 372.42 INV IN = 364.700 INV OUT = 364.500
CB 432	RIM = 374.83 INV IN = 367.600 INV OUT = 367.400
CB 433	RIM = 379.86 INV IN = 372.000 INV OUT = 371.800
CB 433A	RIM = 380.67 INV OUT = 372.200
CB 434	RIM = 370.15 INV IN = 364.750 INV OUT = 364.530
CB 435	RIM = 370.89 INV IN = 365.150 INV OUT = 364.920
CB 436	RIM = 373.17 INV IN = 365.600 INV OUT = 365.380
CB 436A	RIM = 373.41 INV OUT = 365.740
FES 400	RIM = 364.42 INV IN = 361.000
JB 407F	RIM = 0.00 INV IN = -5.681 INV OUT = -5.681
YI 404A	RIM = 370.30 INV OUT = 365.920
YI 407B	RIM = 370.71 INV IN = 368.920 INV OUT = 368.767
YI 407C	RIM = 374.52 INV IN = 371.031 INV OUT = 370.815
YI 407D	RIM = 380.04 INV IN = 373.693 INV OUT = 373.585
YI 407E	RIM = 380.30 INV IN = -8.207 INV OUT = 376.493
YI 407G	RIM = 0.00 INV OUT = -4.438
YI 422B	RIM = 382.47 INV OUT = 374.510

STRM - SCM 4A Out - Structure Table	
Structure Name	Details
FES-OS-4	RIM = 358.42 INV IN = 355.000
OS-4	RIM = 363.60 INV OUT = 357.000

STRM - SCM 5A - Structure Table	
Structure Name	Details
CB 503	RIM = 331.28 INV IN = 323.860 INV IN = 324.060 INV OUT = 323.600
CB 503A	RIM = 331.22 INV OUT = 324.060
CB 504	RIM = 332.34 INV IN = 324.400 INV IN = 325.600 INV OUT = 324.400
CB 504A	RIM = 332.69 INV OUT = 325.860
CB 505	RIM = 333.30 INV IN = 325.500 INV OUT = 325.000
CB 506	RIM = 334.36 INV IN = 326.900 INV IN = 326.900 INV OUT = 326.660
CB 507	RIM = 335.34 INV IN = 327.650 INV IN = 327.850 INV OUT = 327.450
CB 507A	RIM = 335.58 INV IN = 328.350 INV OUT = 328.150
CB 507B	RIM = 336.27 INV IN = 329.000 INV OUT = 328.809
CB 508	RIM = 336.47 INV IN = 328.600 INV OUT = 328.400
CB 509	RIM = 341.19 INV IN = 333.200 INV IN = 333.200 INV OUT = 333.000
CB 509A	RIM = 344.77 INV OUT = 336.300
CB 510	RIM = 356.85 INV IN = 348.500 INV OUT = 348.280
CB 510A	RIM = 362.07 INV OUT = 353.530
CB 511	RIM = 339.29 INV IN = 328.200 INV IN = 328.200 INV OUT = 328.010
CB 511A	RIM = 339.47 INV OUT = 329.810
CB 512	RIM = 344.82 INV IN = 335.200 INV OUT = 334.970
CB 513	RIM = 350.44 INV IN = 342.100 INV OUT = 341.850
CB 514	RIM = 358.40 INV IN = 351.300 INV OUT = 351.060
CB 514A	RIM = 360.55 INV OUT = 352.590
CB 515	RIM = 334.48 INV IN = 327.300 INV OUT = 327.070
CB 516	RIM = 335.34 INV IN = 327.800 INV OUT = 327.570
CB 517	RIM = 335.35 INV IN = 328.200 INV OUT = 327.970
CB 518	RIM = 338.15 INV IN = 330.650 INV OUT = 330.460
CB 519	RIM = 341.61 INV IN = 334.400 INV IN = 335.400 INV OUT = 334.150
CB 519A	RIM = 342.75 INV OUT = 335.780
CB 520	RIM = 347.48 INV IN = 339.800 INV IN = 339.800 INV OUT = 339.620
CB 521	RIM = 351.43 INV IN = 343.850 INV OUT = 343.630
CB 522	RIM = 355.09 INV IN = 347.500 INV IN = 347.800 INV OUT = 347.240
CB 522A	RIM = 355.96 INV IN = 348.330 INV OUT = 348.130
CB 523	RIM = 359.68 INV IN = 351.700 INV IN = 351.700 INV OUT = 351.500
CB 524	RIM = 369.27 INV IN = 361.200 INV IN = 361.200 INV OUT = 361.000

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

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
STORM STRUCTURE SCHEDULE
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:
STORM STRUCTURE SCHEDULE

SHEET NO.:
G-009

North Carolina 811 Know what's below.
*** 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 880\Dwgs_Working Dwgs\Sheets\Construction Set\4_G-004 General Notes and Schedule.dwg

2025-07-01

STRM - SCM 5A - Structure Table	
Structure Name	Details
CB 524A	RIM = 369.37 INV OUT = 361.480
CB 525	RIM = 374.04 INV IN = 366.700 INV OUT = 366.500
CB 526	RIM = 381.89 INV IN = 374.200 INV OUT = 374.000
CB 527	RIM = 383.97 INV IN = 375.900 INV OUT = 375.700
CB 528	RIM = 385.11 INV IN = 376.800 INV IN = 376.800 INV OUT = 376.570
CB 528A	RIM = 385.25 INV OUT = 377.080
CB 529	RIM = 386.16 INV IN = 378.000 INV OUT = 377.780
CB 530	RIM = 388.37 INV IN = 380.300 INV OUT = 380.100
CB 531	RIM = 389.76 INV IN = 381.800 INV IN = 381.800 INV OUT = 381.580
CB 531A	RIM = 390.14 INV OUT = 382.080
CB 532	RIM = 390.72 INV IN = 382.900 INV OUT = 382.700
CB 532A	RIM = 390.98 INV IN = 383.240 INV OUT = 383.040
CB 533	RIM = 391.12 INV OUT = 383.500
CB 534	RIM = 362.81 INV IN = 354.700 INV OUT = 354.500
CB 535	RIM = 365.74 INV IN = 358.600 INV IN = 358.600 INV OUT = 358.400
CB 535A	RIM = 366.57 INV IN = 359.199 INV OUT = 358.880
CB 535B	RIM = 366.55 INV IN = 359.607 INV OUT = 359.407
CB 536	RIM = 367.41 INV IN = 361.200 INV IN = 361.200 INV OUT = 361.000
CB 536A	RIM = 367.61 INV OUT = 361.480
CB 537	RIM = 372.55 INV IN = 366.200 INV OUT = 366.000
CB 537A	RIM = 373.78 INV OUT = 367.560
CB 538	RIM = 347.93 INV IN = 340.300 INV OUT = 340.100
CB 539	RIM = 349.93 INV IN = 342.700 INV IN = 342.700 INV OUT = 342.500
CB 539A	RIM = 350.02 INV OUT = 342.980
CB 541	RIM = 360.72 INV IN = 352.200 INV OUT = 352.000
CB 541A	RIM = 360.96 INV OUT = 352.870
FES 500	RIM = 320.61 INV IN = 316.111
JB 500A	RIM = 332.98 INV IN = 317.797 INV OUT = 316.855
JB 500B	RIM = 327.74 INV IN = 319.000 INV OUT = 319.000
JB 502	RIM = 339.78 INV IN = 322.900 INV IN = 325.000 INV OUT = 322.610
JB 535D	RIM = 366.32 INV IN = 362.868 INV OUT = 362.668
JB 540	RIM = 356.76 INV IN = 348.800 INV OUT = 348.600

STRM - SCM 5A - Structure Table	
Structure Name	Details
YI 353F	RIM = 370.38 INV IN = 366.934 INV OUT = 366.734
YI 501	RIM = 339.44 INV IN = 322.250 INV OUT = 322.000
YI 507C	RIM = 334.86 INV IN = 330.050 INV OUT = 329.732
YI 507D	RIM = 352.17 INV IN = 344.000 INV OUT = 343.667
YI 507E	RIM = 367.75 INV IN = 364.200 INV OUT = 364.000
YI 507F	RIM = 375.24 INV OUT = 372.024
YI 522B	RIM = 0.00 INV OUT = 349.500
YI 535C	RIM = 363.90 INV IN = 360.438 INV OUT = 360.238
YI 535E	RIM = 367.51 INV IN = 364.057 INV OUT = 363.857
YI 535G	RIM = 377.77 INV OUT = 374.325

STRM - SCM 5A Out - Structure Table	
Structure Name	Details
FES-OS-5A	RIM = 307.33 INV IN = 305.000
OS-5A	RIM = 314.88 INV OUT = 306.800

STRM - SCM 5C - Structure Table	
Structure Name	Details
CB 562	RIM = 312.97 INV IN = 306.500 INV IN = 307.000 INV OUT = 306.000
CB 562A	RIM = 311.09 INV OUT = 307.882
CB 563	RIM = 317.91 INV IN = 309.620 INV OUT = 309.400
CB 564	RIM = 325.97 INV IN = 318.440 INV OUT = 318.200
CB 565	RIM = 339.97 INV IN = 332.200 INV OUT = 331.000
CB 566	RIM = 354.98 INV IN = 347.050 INV OUT = 346.800
CB 567	RIM = 363.93 INV IN = 355.220 INV OUT = 355.000
CB 568	RIM = 366.74 INV IN = 358.570 INV OUT = 358.300
CB 569	RIM = 369.33 INV IN = 360.860 INV OUT = 360.600
CB 570	RIM = 379.86 INV IN = 371.250 INV OUT = 371.000
CB 571	RIM = 386.83 INV IN = 375.654 INV OUT = 375.400
CB 572	RIM = 386.51 INV IN = 377.800 INV OUT = 377.600
CB 572A	RIM = 385.02 INV OUT = 380.404
FES 560	RIM = 294.88 INV IN = 292.000
JB 561	RIM = 306.95 INV IN = 300.710 INV OUT = 296.790

STRM - SCM 5C Out - Structure Table	
Structure Name	Details
FES-OS-5C	RIM = 291.79 INV IN = 290.000
OS-5C	RIM = 295.47 INV OUT = 291.000

STRM - SCM 6A - Structure Table	
Structure Name	Details
CB 603	RIM = 310.26 INV IN = 303.300 INV OUT = 303.100
CB 604	RIM = 315.70 INV IN = 308.700 INV IN = 308.700 INV OUT = 308.500
CB 604A	RIM = 317.62 INV OUT = 309.489
CB 605	RIM = 325.64 INV IN = 318.400 INV OUT = 318.200
CB 605A	RIM = 325.72 INV OUT = 318.680
FES 600	RIM = 278.52 INV IN = 282.000
JB 602	RIM = 302.08 INV IN = 291.200 INV OUT = 291.000
YI 601	RIM = 296.41 INV IN = 286.200 INV OUT = 286.000

STRM - SCM 6A Out - Structure Table	
Structure Name	Details
FES-OS-6A	RIM = 274.29 INV IN = 273.000
OS-6A	RIM = 285.51 INV OUT = 276.500

STRM - SCM 6B - Structure Table	
Structure Name	Details
CB 611	RIM = 311.92 INV IN = 290.200 INV OUT = 290.000
CB 612	RIM = 318.02 INV IN = 301.280 INV OUT = 301.000
CB 613	RIM = 315.00 INV IN = 301.900 INV IN = 301.910 INV OUT = 301.700
CB 613A	RIM = 310.31 INV IN = 302.400 INV OUT = 302.200
CB 613B	RIM = 310.04 INV OUT = 302.640
CB 614	RIM = 319.55 INV IN = 306.250 INV OUT = 306.050
CB 615	RIM = 324.12 INV IN = 311.000 INV IN = 311.000 INV OUT = 310.800
CB 615A	RIM = 326.30 INV IN = 319.000 INV OUT = 318.800
CB 615B	RIM = 326.30 INV OUT = 319.280
CB 616	RIM = 324.70 INV IN = 314.000 INV OUT = 313.800
CB 617	RIM = 331.00 INV IN = 319.600 INV IN = 319.600 INV OUT = 319.400
CB 617A	RIM = 331.00 INV OUT = 323.000
CB 618	RIM = 336.57 INV IN = 327.200 INV IN = 327.200 INV OUT = 327.000
CB 618A	RIM = 340.36 INV IN = 331.800 INV OUT = 331.600
CB 618B	RIM = 340.43 INV OUT = 331.990
CB 619	RIM = 337.18 INV IN = 327.600 INV OUT = 327.410
CB 620	RIM = 334.59 INV IN = 328.200 INV OUT = 328.000
CB 621	RIM = 333.35 INV IN = 328.600 INV OUT = 328.400
CB 622	RIM = 337.00 INV IN = 329.300 INV OUT = 329.100
CB 623	RIM = 336.78 INV IN = 329.800 INV OUT = 329.600
CB 624	RIM = 344.51 INV IN = 335.900 INV OUT = 335.700
CB 625	RIM = 345.87 INV IN = 338.200 INV IN = 338.200 INV OUT = 338.000
CB 625A	RIM = 345.85 INV OUT = 338.000
CB 626	RIM = 351.42 INV IN = 344.500 INV OUT = 344.300
CB 627	RIM = 352.01 INV IN = 345.100 INV OUT = 344.900
CB 628	RIM = 353.96 INV IN = 346.500 INV OUT = 346.260
CB 628A	RIM = 353.93 INV OUT = 346.670
CB 633	RIM = 313.86 INV IN = 302.900 INV OUT = 302.700
CB 634	RIM = 311.00 INV OUT = 305.000
FES 610	RIM = 299.64 INV IN = 289.000
FES 630	RIM = 290.79 INV IN = 289.000
YI 631	RIM = 310.05 INV IN = 290.200 INV OUT = 290.000
YI 632	RIM = 315.26 INV IN = 301.200 INV OUT = 301.000

STRM - SCM 6B Out - Structure Table	
Structure Name	Details
FES-OS-6B	RIM = 283.79 INV IN = 282.250
OS-6B	RIM = 292.40 INV OUT = 284.000

STRM - SCM 7 - Structure Table	
Structure Name	Details
CB 702A	RIM = 328.63 INV IN = 320.110 INV OUT = 319.840
CB 703	RIM = 332.78 INV IN = 328.960 INV IN = 328.960 INV OUT = 328.760
CB 703A	RIM = 333.86 INV OUT = 330.000
CB 704	RIM = 342.10 INV OUT = 338.250
CB 752	RIM = 349.87 INV OUT = 344.000
FES 700	RIM = 320.19 INV IN = 317.500
FES 750	RIM = 320.33 INV IN = 318.000
JB 702	RIM = 331.67 INV IN = 327.830 INV IN = 319.450 INV OUT = 318.900
JB 751	RIM = 342.35 INV IN = 325.200 INV OUT = 325.000
YI 701	RIM = 330.60 INV IN = 318.270 INV OUT = 318.070
YI 702B	RIM = 323.85 INV OUT = 320.400

STRM - SCM 7 Out - Structure Table	
Structure Name	Details
FES-OS-7	RIM = 314.79 INV IN = 312.000
OS-7	RIM = 321.42 INV OUT = 313.000

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
DO NOT USE FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER
36528
JAKOB P. KLEIN

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE
STORM STRUCTURE SCHEDULE
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:
STORM STRUCTURE SCHEDULE

SHEET NO.:
G-010

PROJECT NUMBER = CID-25-02

North Carolina 811 ncocc.org
*** 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 @RD\Revit_Working Dwgs\Sheets\Construction Set\4. G-004 General Notes and Schedule.dwg
2025-07-01

SSWR - South - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
MH 100	EX. MH 39	12"	PVC	211.09	0.22%	262.59	263.05
MH 101	MH 100	12"	PVC	149.29	0.22%	263.25	263.58
MH 102	MH 101	12"	PVC	159.37	0.22%	263.78	264.13
MH 103	MH 102	12"	PVC	202.96	0.22%	264.33	264.78
MH 104	MH 103	12"	PVC	199.73	0.22%	264.98	265.42
MH 105	MH 104	12"	PVC	194.25	0.22%	265.62	266.05
MH 106	MH 105	12"	PVC	197.42	0.22%	266.25	266.68
MH 107	MH 106	8"	PVC	229.63	2.72%	266.88	273.12
MH 113	MH 107	8"	PVC	179.55	-1.41%	273.52	276.06
MH 115	MH 113	8"	PVC	283.15	1.92%	276.36	281.80
MH 116	MH 115	8"	PVC	85.40	1.96%	282.02	283.70
MH 118	MH 116	8"	PVC	260.36	1.50%	283.89	287.80
MH 119	MH 118	8"	PVC	117.48	5.11%	288.00	294.00
MH 119	MH 120	8"	PVC	137.93	9.50%	309.60	296.50
MH 121	MH 120	8"	PVC	74.47	0.50%	312.10	312.47
MH 122	MH 121	8"	PVC	299.52	3.21%	314.90	324.50
MH 123	MH 122	8"	PVC	141.51	0.64%	324.70	325.60
MH 124	MH 123	8"	PVC	295.47	3.11%	325.80	335.00
MH 125	MH 124	8"	PVC	297.66	5.64%	337.00	353.80
MH 126	MH 125	8"	PVC	390.00	1.03%	354.00	358.00
MH 127	MH 230A	8"	PVC	70.09	3.50%	361.80	359.34
MH 127	MH 126	8"	PVC	176.40	0.50%	358.22	359.10
MH 128	MH 127	8"	PVC	102.83	1.42%	359.34	360.80
MH 129	MH 128	8"	PVC	77.79	2.31%	361.00	362.80
MH 130	MH 129	8"	PVC	287.05	3.27%	363.00	372.40
MH 131	MH 130	8"	PVC	106.61	6.89%	372.66	380.00
MH 140	MH 100	8"	PVC	255.70	6.00%	263.25	278.60
MH 141	MH 140	8"	PVC	294.96	5.87%	278.89	296.20
MH 142	MH 141	8"	PVC	181.32	7.06%	296.40	309.20
MH 143	MH 142	8"	PVC	67.98	8.50%	309.42	315.20
MH 143	MH 144	8"	PVC	88.10	8.50%	322.90	315.41
MH 145	MH 144	8"	PVC	98.22	8.55%	323.10	331.50
MH 146	MH 145	8"	PVC	120.83	8.50%	331.73	342.00
MH 151	MH 150	8"	PVC	164.66	0.50%	339.46	340.28
MH 152	MH 151	8"	PVC	318.98	0.50%	340.50	342.09
MH 153	MH 152	8"	PVC	190.19	1.42%	342.30	345.00
MH 160	MH 104	8"	PVC	49.76	7.40%	265.62	269.30
MH 161	MH 160	8"	PVC	111.13	6.39%	271.80	278.90
MH 162	MH 161	8"	PVC	137.98	6.62%	281.40	290.53
MH 163	MH 162	8"	PVC	53.00	4.70%	293.03	295.52
MH 164	MH 163	8"	PVC	74.19	6.01%	298.02	302.48
MH 165	MH 164	8"	PVC	244.68	7.77%	304.98	324.00
MH 170	MH 170A	8"	PVC	52.77	7.03%	282.95	286.66
MH 170A	MH 107	8"	PVC	106.00	7.29%	275.00	282.73
MH 171	MH 170	8"	PVC	147.10	7.36%	289.10	299.92
MH 172	MH 171	8"	PVC	258.14	5.66%	302.00	316.60
MH 173	MH 172	8"	PVC	153.54	6.45%	316.80	326.70
MH 174	MH 171	8"	PVC	46.95	6.39%	302.00	305.00
MH 180	MH 120	8"	PVC	45.74	9.50%	312.10	316.45
MH 181	MH 180	8"	PVC	194.01	9.50%	318.90	337.33
MH 182	MH 181	8"	PVC	155.85	9.50%	339.80	354.61
MH 183	MH 182	8"	PVC	95.26	4.74%	357.10	361.62
MH 184	MH 182	8"	PVC	50.74	8.60%	357.10	361.46
MH 190	MH 122	8"	PVC	95.95	1.30%	324.70	325.94
MH 191	MH 190	8"	PVC	102.49	3.97%	326.30	330.36
MH 192	MH 191	8"	PVC	112.85	4.56%	330.57	335.72
MH 193	MH 192	8"	PVC	111.79	2.28%	335.90	338.45
MH 194	MH 193	8"	PVC	275.50	6.16%	338.70	355.68
MH 195	MH 194	8"	PVC	226.79	6.60%	355.84	370.80
MH 196	MH 195	8"	PVC	112.00	2.59%	371.00	373.90
MH 197	MH 196	8"	PVC	55.27	5.07%	374.20	377.00
MH 200	MH 193	8"	PVC	106.59	3.85%	338.70	342.80
MH 201	MH 200	8"	PVC	118.24	3.00%	343.00	346.55
MH 201	MH 202	8"	PVC	235.76	1.63%	350.58	346.75
MH 203	MH 202	8"	PVC	185.58	1.26%	350.75	353.09

SSWR - South - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
MH 210	MH 211	8"	PVC	140.50	2.50%	361.90	358.39
MH 210	MH 194	8"	PVC	162.27	1.50%	355.67	358.10
MH 211	MH 212	8"	PVC	216.69	3.30%	369.33	362.18
MH 220	MH 196	8"	PVC	162.77	0.50%	374.19	375.00
MH 221	MH 220	8"	PVC	184.41	1.68%	375.20	378.30
MH 222	MH 221	8"	PVC	251.22	0.74%	378.54	380.40
MH 223	MH 222	8"	PVC	199.90	1.20%	380.60	383.00
MH 230A	MH 230	8"	PVC	62.74	2.87%	363.80	362.00
MH 231	MH 230	8"	PVC	195.61	2.00%	364.09	368.00
MH 232	MH 231	8"	PVC	85.00	2.96%	368.28	370.80
MH 233	MH 232	8"	PVC	187.40	2.13%	371.00	375.00
MH 234	MH 231	8"	PVC	380.65	1.00%	368.20	372.00
MH 235	MH 234	8"	PVC	248.76	1.50%	372.27	376.00
MH 236	MH 232	8"	PVC	295.53	1.49%	373.18	377.58
MH 237	MH 236	8"	PVC	244.93	0.41%	378.20	379.20

SSWR - North - PIPE SUMMARY

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SIZE	PIPE MATERIAL	LENGTH	SLOPE	DOWNSTREAM INVERT (FT)	UPSTREAM INVERT (FT)
		8"	PVC	0.00	0.00%	379.00	377.00
MH 501	EX. MH22	8"	PVC	151.56	4.62%	348.00	355.00
MH 502	MH 501	8"	PVC	109.80	2.37%	355.20	357.80
MH 503	MH 502	8"	PVC	100.26	4.99%	358.00	363.00
MH 504	MH503A	8"	PVC	271.28	2.51%	368.20	375.00
MH 505	MH 504	8"	PVC	355.53	2.76%	375.20	385.00
MH 506	MH 505	8"	PVC	183.08	1.00%	385.21	387.04
MH 507	MH 504	8"	PVC	131.24	4.42%	375.20	381.00
MH 508	MH 504	8"	PVC	216.38	2.95%	375.20	381.58
MH 520	MH 501	8"	PVC	191.90	3.89%	356.00	363.46
MH 521	MH 520	8"	PVC	76.91	1.35%	363.69	364.73
MH 522	MH 521	8"	PVC	384.18	1.40%	364.93	370.32
MH 523	MH 522	8"	PVC	274.55	0.50%	370.53	371.90
MH 524	MH 523	8"	PVC	286.14	0.82%	372.15	374.50
MH 525	MH 524	8"	PVC	166.91	3.07%	374.70	379.82
MH 530	MH 501	8"	PVC	148.49	4.71%	356.00	363.00
MH 541	MH 540	8"	PVC	306.99	-0.36%	351.40	350.30
MH 542	MH 541	8"	PVC	114.86	2.00%	355.50	357.80
MH 543	MH 542	8"	PVC	366.43	2.95%	358.00	368.80
MH 544	MH 543	8"	PVC	105.14	2.85%	369.00	372.00
MH 550	MH 541	8"	PVC	160.41	1.00%	350.90	352.50
MH 551	MH 550	8"	PVC	79.19	0.50%	352.70	353.10
MH 552	MH 551	8"	PVC	85.45	0.50%	353.32	353.75
MH 553	MH 552	8"	PVC	86.06	0.75%	353.95	354.60
MH 554	MH 553	8"	PVC	247.00	1.70%	354.80	359.00
MH 560	MH 541	8"	PVC	263.13	0.50%	349.48	350.80
MH 561	MH 560	8"	PVC	129.21	0.50%	352.35	353.00
MH 565	MH 564	8"	PVC	78.94	0.50%	356.00	355.61
MH 567	MH 565	8"	PVC	74.92	0.50%	355.40	355.03
MH 567	MH 568	8"	PVC	66.19	0.50%	354.47	354.80
MH 568	MH 560	8"	PVC	83.81	2.50%	352.16	354.26
MH 570	MH 560	8"	PVC	276.58	4.99%	351.00	364.80
MH 571	MH 570	8"	PVC	112.69	6.21%	366.00	373.00
MH 572	MH 570	8"	PVC	113.95	1.84%	365.00	367.10
MH 573	MH 572	8"	PVC	165.37	2.42%	369.00	373.00
MH503A	MH 503	8"	PVC	90.96	5.28%	363.20	368.00

SSWR - South - Structure Table	
Structure Name	Details
EX. MH 39	RIM = 274.53 INV IN = 262.590
MH 100	RIM = 273.34 INV IN = 263.250 INV IN = 263.250 INV OUT = 263.050
MH 101	RIM = 275.54 INV IN = 263.780 INV OUT = 263.580
MH 102	RIM = 273.63 INV IN = 264.330 INV OUT = 264.130
MH 103	RIM = 274.33 INV IN = 264.980 INV OUT = 264.780
MH 104	RIM = 279.76 INV IN = 265.620 INV IN = 265.620 INV OUT = 265.420
MH 105	RIM = 284.58 INV IN = 266.250 INV OUT = 266.050
MH 106	RIM = 288.33 INV IN = 266.880 INV OUT = 266.680
MH 107	RIM = 282.55 INV IN = 275.000 INV OUT = 273.120 INV OUT = 273.517
MH 113	RIM = 286.76 INV IN = 276.056 INV IN = 276.357
MH 115	RIM = 289.45 INV IN = 282.025 INV OUT = 281.800
MH 116	RIM = 291.68 INV IN = 283.895 INV OUT = 283.695
MH 118	RIM = 304.55 INV IN = 288.000 INV OUT = 287.800
MH 119	RIM = 308.00 INV IN = 296.500 INV OUT = 294.000
MH 120	RIM = 337.12 INV IN = 312.100 INV IN = 312.100 INV OUT = 309.603
MH 121	RIM = 332.15 INV IN = 314.900 INV OUT = 312.472
MH 122	RIM = 334.84 INV IN = 324.700 INV IN = 324.700 INV OUT = 324.500
MH 123	RIM = 335.99 INV IN = 325.800 INV OUT = 325.600
MH 124	RIM = 348.99 INV IN = 337.000 INV OUT = 335.000
MH 125	RIM = 372.17 INV IN = 354.000 INV OUT = 353.800
MH 126	RIM = 372.90 INV IN = 358.218 INV OUT = 358.000
MH 127	RIM = 371.32 INV IN = 359.343 INV IN = 359.343 INV OUT = 359.100
MH 128	RIM = 370.60 INV IN = 361.000 INV OUT = 360.800
MH 129	RIM = 371.87 INV IN = 363.000 INV OUT = 362.800
MH 130	RIM = 384.45 INV IN = 372.656 INV OUT = 372.400
MH 131	RIM = 390.18 INV OUT = 380.000
MH 140	RIM = 302.95 INV IN = 278.894 INV OUT = 278.600
MH 141	RIM = 302.44 INV IN = 296.400 INV OUT = 296.200
MH 142	RIM = 327.69 INV IN = 309.421 INV OUT = 309.200
MH 143	RIM = 329.29 INV IN = 315.412 INV OUT = 315.200
MH 144	RIM = 334.11 INV IN = 323.100 INV OUT = 322.900
MH 145	RIM = 341.04 INV IN = 331.729 INV OUT = 331.500

SSWR - South - Structure Table	
Structure Name	Details
MH 146	RIM = 348.24 INV OUT = 342.000
MH 150	RIM = 345.46 INV IN = 339.460
MH 151	RIM = 345.62 INV IN = 340.500 INV OUT = 340.283
MH 152	RIM = 350.90 INV IN = 342.300 INV OUT = 342.095
MH 153	RIM = 354.92 INV OUT = 345.000
MH 160	RIM = 282.27 INV IN = 271.800 INV OUT = 269.300
MH 161	RIM = 299.39 INV IN = 281.400 INV OUT = 278.900
MH 162	RIM = 310.97 INV IN = 293.030 INV OUT = 290.530
MH 163	RIM = 311.03 INV IN = 298.023 INV OUT = 295.523
MH 164	RIM = 315.22 INV IN = 304.979 INV OUT = 302.479
MH 165	RIM = 331.53 INV OUT = 324.000
MH 170	RIM = 308.72 INV IN = 289.100 INV OUT = 286.661
MH 170A	RIM = 309.30 INV IN = 282.950 INV OUT = 282.732
MH 171	RIM = 324.58 INV IN = 302.000 INV IN = 302.000 INV OUT = 299.922
MH 172	RIM = 327.16 INV IN = 316.800 INV OUT = 316.600
MH 173	RIM = 332.34 INV OUT = 326.700
MH 174	RIM = 329.74 INV OUT = 305.000
MH 180	RIM = 341.06 INV IN = 318.900 INV OUT = 316.446
MH 181	RIM = 357.82 INV IN = 339.800 INV OUT = 337.331
MH 182	RIM = 367.59 INV IN = 357.100 INV IN = 357.100 INV OUT = 354.606
MH 183	RIM = 368.27 INV OUT = 361.619
MH 184	RIM = 368.11 INV OUT = 361.463
MH 190	RIM = 337.01 INV IN = 326.297 INV OUT = 325.945
MH 191	RIM = 340.87 INV IN = 330.573 INV OUT = 330.363
MH 192	RIM = 345.14 INV IN = 335.900 INV OUT = 335.717
MH 193	RIM = 349.34 INV IN = 338.700 INV IN = 338.700 INV OUT = 338.454
MH 194	RIM = 366.04 INV IN = 355.666 INV IN = 355.838 INV OUT = 355.676
MH 195	RIM = 381.34 INV IN = 371.000 INV OUT = 370.800
MH 196	RIM = 385.09 INV IN = 374.186 INV IN = 374.200 INV OUT = 373.900
MH 197	RIM = 385.65 INV OUT = 377.000
MH 200	RIM = 353.59 INV IN = 343.000 INV OUT = 342.800
MH 201	RIM = 360.30 INV IN = 346.750 INV OUT = 346.547

SSWR - South - Structure Table	
Structure Name	Details
MH 202	RIM = 362.40 INV IN = 350.752 INV OUT = 350.584
MH 203	RIM = 366.06 INV OUT = 353.085
MH 210	RIM = 367.30 INV IN = 358.387 INV OUT = 358.100
MH 211	RIM = 370.45 INV IN = 362.183 INV OUT = 361.900
MH 212	RIM = 378.28 INV OUT = 369.334
MH 220	RIM = 386.49 INV IN = 375.200 INV OUT = 375.000
MH 221	RIM = 388.49 INV IN = 378.544 INV OUT = 378.300
MH 222	RIM = 391.22 INV IN = 380.600 INV OUT = 380.400
MH 223	RIM = 390.29 INV OUT = 383.000
MH 230	RIM = 374.27 INV IN = 364.088 INV OUT = 363.800
MH 230A	RIM = 372.64 INV IN = 362.000 INV OUT = 361.800
MH 231	RIM = 379.42 INV IN = 368.200 INV IN = 368.280 INV OUT = 368.000
MH 232	RIM = 381.53 INV IN = 373.176 INV IN = 371.000 INV OUT = 370.800
MH 233	RIM = 386.56 INV OUT = 375.000
MH 234	RIM = 383.27 INV IN = 372.269 INV OUT = 372.000
MH 235	RIM = 386.41 INV OUT = 376.000
MH 236	RIM = 386.74 INV IN = 378.202 INV OUT = 377.578
MH 237	RIM = 391.43 INV OUT = 379.202

SSWR - North - Structure Table	
Structure Name	Details
MH 572	RIM = 377.19 INV IN = 369.000 INV OUT = 367.100
MH 573	RIM = 378.79 INV OUT = 373.000
MH503A	RIM = 380.82 INV IN = 368.200 INV OUT = 368.000

SSWR - North - Structure Table	
Structure Name	Details
EX. MH22	RIM = 361.81 INV IN = 348.000
MH 501	RIM = 366.90 INV IN = 356.000 INV IN = 355.200 INV IN = 356.000 INV OUT = 355.000
MH 502	RIM = 370.99 INV IN = 358.000 INV OUT = 357.800
MH 503	RIM = 376.15 INV IN = 363.200 INV OUT = 363.000
MH 504	RIM = 390.27 INV IN = 375.200 INV IN = 375.200 INV IN = 375.200 INV OUT = 375.000
MH 505	RIM = 393.12 INV IN = 385.206 INV OUT = 385.000
MH 506	RIM = 393.94 INV OUT = 387.037
MH 507	RIM = 389.07 INV OUT = 381.000
MH 508	RIM = 391.29 INV OUT = 381.576
MH 520	RIM = 368.81 INV IN = 363.692 INV OUT = 363.462
MH 521	RIM = 371.68 INV IN = 364.929 INV OUT = 364.729
MH 522	RIM = 388.19 INV IN = 370.527 INV OUT = 370.320
MH 523	RIM = 386.03 INV IN = 372.154 INV OUT = 371.900
MH 524	RIM = 384.87 INV IN = 374.700 INV OUT = 374.500
MH 525	RIM = 387.07 INV OUT = 379.820
MH 530	RIM = 366.56 INV OUT = 363.000
MH 540	RIM = 357.55 INV IN = 351.400
MH 541	RIM = 362.50 INV IN = 350.896 INV IN = 349.484 INV IN = 355.503 INV OUT = 350.300
MH 542	RIM = 364.60 INV IN = 358.000 INV OUT = 357.800
MH 543	RIM = 375.14 INV IN = 369.000 INV OUT = 368.800
MH 544	RIM = 378.17 INV OUT = 372.000
MH 550	RIM = 359.15 INV IN = 352.704 INV OUT = 352.500
MH 551	RIM = 360.03 INV IN = 353.323 INV OUT = 353.100
MH 552	RIM = 361.16 INV IN = 353.955 INV OUT = 353.750
MH 553	RIM = 362.33 INV IN = 354.800 INV OUT = 354.600
MH 554	RIM = 365.63 INV OUT = 359.000
MH 560	RIM = 363.23 INV IN = 352.354 INV IN = 351.000 INV IN = 352.165 INV OUT = 350.800
MH 561	RIM = 362.19 INV OUT = 353.000
MH 564	RIM = 362.13 INV OUT = 356.000
MH 565	RIM = 363.02 INV IN = 355.605 INV OUT = 355.400
MH 567	RIM = 363.72 INV IN = 355.025 INV OUT = 354.800
MH 568	RIM = 363.56 INV IN = 354.469 INV OUT = 354.260
MH 570	RIM = 376.58 INV IN = 366.000 INV IN = 365.000 INV OUT = 364.800
MH 571	RIM = 382.77 INV OUT = 373.000

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

FOR INFORMATION, ONLY

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

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MERRITT RESERVE

SEWER PIPE AND STRUCTURE SCHEDULE

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:

SEWER PIPE AND STRUCTURE SCHEDULE

SHEET NO.:

G-011

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

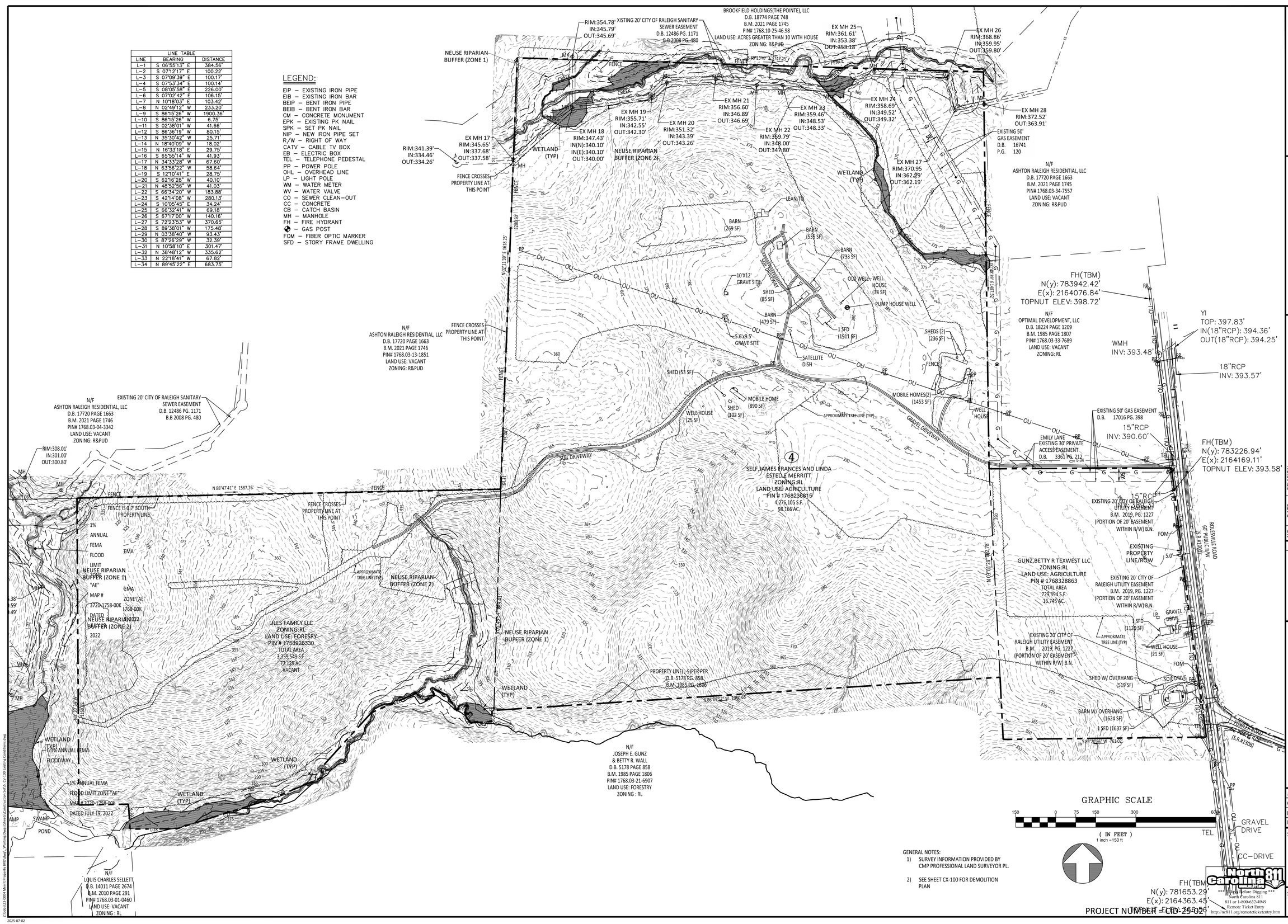
Z:\Jobs\23-0004 Merritt Property (RBP)\Mark_Working Dwgs\Sheets\Construction Set\E -G-004 General Notes and Schedule.dwg

2025-07-01

LINE TABLE		
LINE	BEARING	DISTANCE
L–1	S 06°55'13" E	384.56'
L–2	S 07°12'17" E	100.22'
L–3	S 07°09'39" E	100.17'
L–4	S 07°53'34" E	100.14'
L–5	S 08°05'58" E	226.00'
L–6	S 07°02'42" E	106.15'
L–7	N 10°18'03" E	103.42'
L–8	N 02°49'12" W	233.20'
L–9	S 86°15'26" W	1900.36'
L–10	S 86°15'26" W	6.75'
L–11	S 02°38'01" W	41.66'
L–12	S 86°36'19" W	80.15'
L–13	N 35°30'42" W	25.71'
L–14	N 18°40'09" W	18.02'
L–15	N 16°33'18" E	29.75'
L–16	S 65°55'14" W	41.93'
L–17	N 34°33'28" W	67.60'
L–18	N 63°56'22" W	58.64'
L–19	S 12°10'41" E	28.75'
L–20	S 62°16'28" W	40.10'
L–21	N 48°52'56" W	41.03'
L–22	S 66°34'20" W	183.88'
L–23	S 42°14'08" W	280.13'
L–24	S 10°05'45" E	34.24'
L–25	S 66°32'41" W	69.18'
L–26	S 67°17'00" W	140.16'
L–27	S 72°23'53" W	370.65'
L–28	S 89°38'01" W	175.48'
L–29	N 03°38'40" W	93.43'
L–30	S 87°26'29" W	32.39'
L–31	N 10°58'10" E	301.47'
L–32	N 38°48'12" W	335.62'
L–33	N 22°18'41" W	67.82'
L–34	N 89°45'22" E	683.75'

LEGEND:

EIP – EXISTING IRON PIPE
EIB – EXISTING IRON BAR
BEIP – BENT IRON PIPE
BEIB – BENT IRON BAR
CM – CONCRETE MONUMENT
EPK – EXISTING PK NAIL
SPK – SET PK NAIL
NIP – NEW IRON PIPE SET
R/W – RIGHT OF WAY
CATV – CABLE TV BOX
EB – ELECTRIC BOX
TEL – TELEPHONE PEDESTAL
PP – POWER POLE
OHL – OVERHEAD LINE
LP – LIGHT POLE
WM – WATER METER
WV – WATER VALVE
CO – SEWER CLEAN–OUT
CC – CONCRETE
CB – CATCH BASIN
MH – MANHOLE
FH – FIRE HYDRANT
GP – GAS POST
FOM – FIBER OPTIC MARKER
SFD – STORY FRAME DWELLING



GENERAL NOTES:
1) SURVEY INFORMATION PROVIDED BY CMP PROFESSIONAL LAND SURVEYOR PL.
2) SEE SHEET CX-100 FOR DEMOLITION PLAN

PROJECT NUMBER – CU-25026

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

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919-469-1101

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

PRELIMINARY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEE

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NO.	DATE	REVISION:
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MERRITT RESERVE

EXISTING CONDITIONS

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:

EXISTING CONDITIONS

SHEET NO.:

CV-100

Z:\Jobs\23-0004 Merrit Property BRD\dwg_Working Dwgs\Sheets\Construction Sets_CV-100 Existing Conditions.dwg

2025-07-02

POTABLE WATER SUPPLY WELL DECOMMISSIONING/ABANDONMENT SPECIFICATIONS

ONE OR MORE POTABLE WATER SUPPLY WELLS HAVE BEEN IDENTIFIED ON THE PROPERTY LOCATED NEAR THE RESIDENCES. THE CONTRACTOR SHALL CONFIRM THE WELL SPECIFICATIONS, AND ABANDON THE WELLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF NORTH CAROLINA, WAKE COUNTY, AND THE REQUIREMENTS OF THESE SPECIFICATIONS. ONLY A CERTIFIED WELL CONTRACTOR REGISTERED WITH WAKE COUNTY AND THE STATE OF NORTH CAROLINA MAY ABANDON THE WELL.

THE CONTRACTOR SHALL COMPLETE AND SUBMIT A WAKE COUNTY APPLICATION FOR WELL REPAIR /ABANDONMENT PERMIT TO THE WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES (WCDES). PRIOR TO THE PERMANENT ABANDONMENT PROCEDURES, THE CERTIFIED CONTRACTOR ABANDONING THE WELL SHALL PROVIDE A MINIMUM OF 24-HOURS ADVANCE NOTICE TO THE WCDES, ENVIRONMENTAL HEALTH DIVISION, AND RECEIVE APPROVAL AND A WAKE COUNTY PERMIT NUMBER.

THE CONTRACTOR SHALL CONFIRM THAT THE WELL SYSTEM HAS BEEN DE-ENERGIZED PRIOR TO ANY DEMOLITION ACTIVITIES. WELL DECOMMISSIONING/ ABANDONMENT INCLUDES THE REMOVAL OF THE WELL HOUSE, SUPPLY LINES AND ALL MATERIALS LEFT IN THE BOREHOLE/WELL. THE TOP FIVE FEET SHALL BE BACKFILLED WITH MATERIAL APPROPRIATE FOR THE INTENDED LAND USE. THE WELL SHALL BE ABANDONED IN ACCORDANCE WITH THE NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES,DIVISION OF WATER QUALITY, REGULATIONS FOR ABANDONMENT OF WELLS (15A NCAC 02C .0113 ABANDONMENT OF WELLS) AND AS DESCRIBED HEREIN.

THE PERMANENT ABANDONMENT OF THE WATER SUPPLY WELLS SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:

1. ALL CASING AND SCREEN MATERIALS MAY BE REMOVED PRIOR TO INITIATION OF ABANDONMENT PROCEDURES, IF SUCH REMOVAL WILL NOT CAUSE OR CONTRIBUTE TO CONTAMINATION OF THE GROUNDWATERS. ANY CASING NOT GROUTED IN ACCORDANCE WITH 15A NCAC 02C .0107(F) SHALL BE REMOVED OR GROUTED IN ACCORDANCE WITH 15A NCAC 02C .0107(F).
2. THE ENTIRE DEPTH OF THE WELL SHALL BE SOUNDED BEFORE IT IS SEALED TO ENSURE FREEDOM FROM OBSTRUCTIONS THAT MAY INTERFERE WITH SEALING OPERATIONS.
3. THE WELL SHALL BE DISINFECTED IN ACCORDANCE WITH RULE .0111(B)(1)(A) THROUGH .0111(B)(1)(C) OF THIS SECTION.
4. IN THE CASE OF GRAVEL-PACKED WELLS IN WHICH THE CASING AND SCREENS HAVE NOT BEEN REMOVED, NEAT-CEMENT OR BENTONITE SLURRY GROUT SHALL BE INJECTED INTO THE WELL COMPLETELY FILLING IT FROM THE BOTTOM OF THE CASING TO THE TOP.
5. WELLS CONSTRUCTED IN UNCONSOLIDATED FORMATIONS SHALL BE COMPLETELY FILLED WITH GROUT BY INTRODUCING IT THROUGH A PIPE EXTENDING TO THE BOTTOM OF THE WELL WHICH CAN BE RAISED AS THE WELL IS FILLED.
6. WELLS CONSTRUCTED IN CONSOLIDATED ROCK FORMATIONS OR THAT PENETRATE ZONES OF CONSOLIDATED ROCK MAY BE FILLED WITH GROUT, SAND, GRAVEL OR DRILL CUTTINGS OPPOSITE THE ZONES OF CONSOLIDATED ROCK. THE TOP OF ANY SAND, GRAVEL OR CUTTING FILL SHALL TERMINATE AT LEAST 10 FEET BELOW THE TOP OF THE CONSOLIDATED ROCK OR FIVE FEET BELOW THE BOTTOM OF CASING IN A MANNER TO ENSURE COMPLETE FILLING OF THE CASING, AND EXTEND UP TO LAND SURFACE. FOR ANY WELL IN WHICH THE DEPTH OF CASING OR THE DEPTH OF THE BEDROCK IS NOT KNOWN OR CANNOT BE CONFIRMED, THE ENTIRE LENGTH OF THE WELL SHALL BE FILLED WITH GROUT UP TO LAND SURFACE.

THE CERTIFIED WELL CONTRACTOR SHALL COMPLETE A NCDENR FORM GW-30 WELL ABANDONMENT RECORD. THE CONTRACTOR SHALL SUBMIT A COPY TO THE OWNER, AND THE ORIGINAL SHALL BE SUBMITTED TO THE DIVISION OF WATER QUALITY WITHIN 30 DAYS OF COMPLETION AT THE FOLLOWING ADDRESS.

NCDENR, DIVISION OF WATER QUALITY
ATTN:INFORMATION MANAGEMENT
1617 MAIL SERVICE CENTER
RALEIGH, NC 27699-1617

SUBMIT THE FOLLOWING DOCUMENTATION TO AMERICAN ENGINEERING WITHIN TWO-WEEKS FOLLOWING THE COMPLETION OF THE WELL ABANDONMENT:

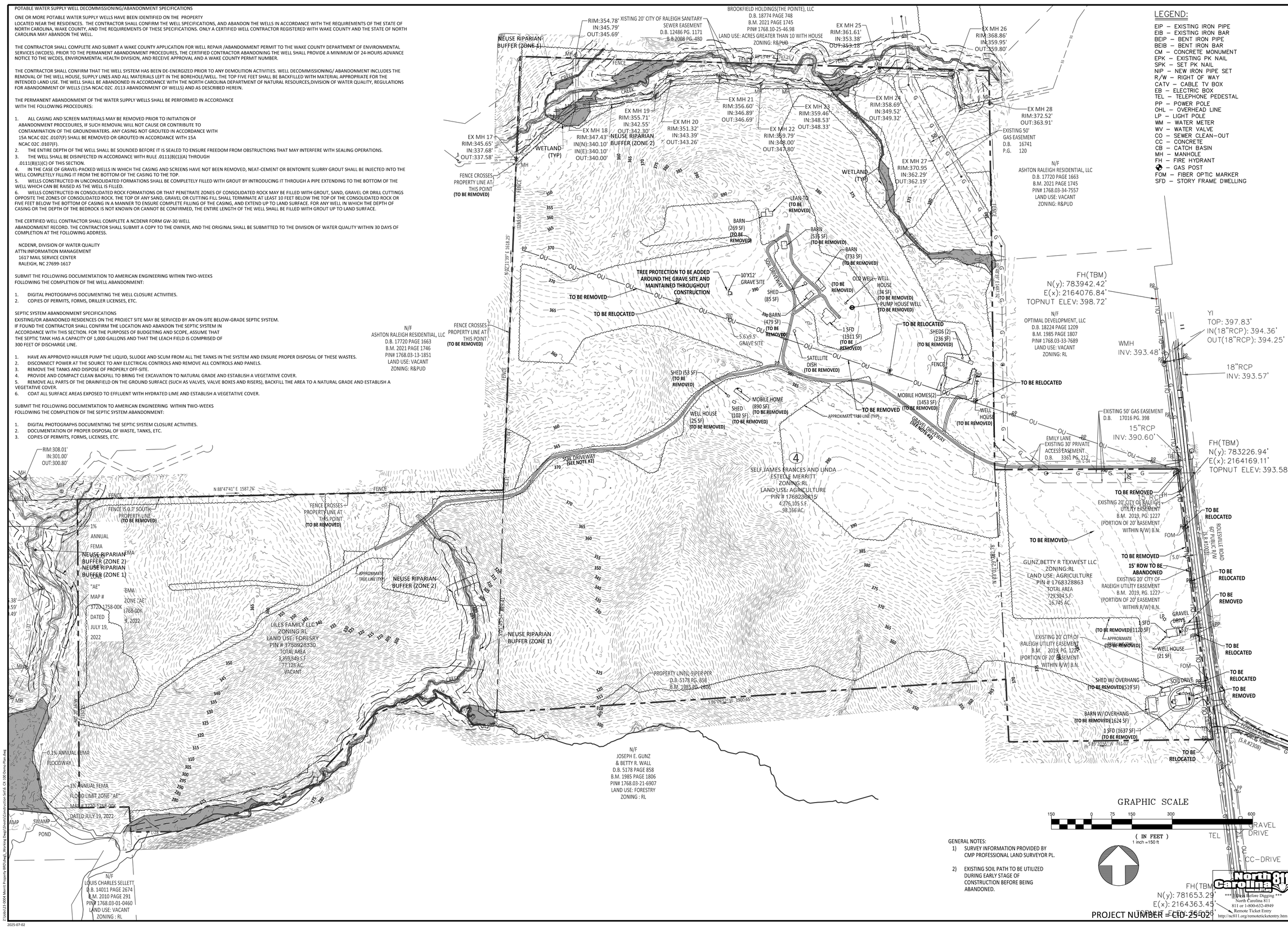
1. DIGITAL PHOTOGRAPHS DOCUMENTING THE WELL CLOSURE ACTIVITIES.
2. COPIES OF PERMITS, FORMS, DRILLER LICENSES, ETC.

SEPTIC SYSTEM ABANDONMENT SPECIFICATIONS
EXISTING/OR ABANDONED RESIDENCES ON THE PROJECT SITE MAY BE SERVICED BY AN ON-SITE BELOW-GRADE SEPTIC SYSTEM. IF FOUND THE CONTRACTOR SHALL CONFIRM THE LOCATION AND ABANDON THE SEPTIC SYSTEM IN ACCORDANCE WITH THIS SECTION. FOR THE PURPOSES OF BUDGETING AND SCOPE, ASSUME THAT THE SEPTIC TANK HAS A CAPACITY OF 1,000 GALLONS AND THAT THE LEACH FIELD IS COMPRISED OF 300 FEET OF DISCHARGE LINE.

1. HAVE AN APPROVED HAULER PUMP THE LIQUID, SLUDGE AND SCUM FROM ALL THE TANKS IN THE SYSTEM AND ENSURE PROPER DISPOSAL OF THESE WASTES.
2. DISCONNECT POWER AT THE SOURCE TO ANY ELECTRICAL CONTROLS AND REMOVE ALL CONTROLS AND PANELS.
3. REMOVE THE TANKS AND DISPOSE OF PROPERLY OFF-SITE.
4. PROVIDE AND COMPACT CLEAN BACKFILL TO BRING THE EXCAVATION TO NATURAL GRADE AND ESTABLISH A VEGETATIVE COVER.
5. REMOVE ALL PARTS OF THE DRAINFIELD ON THE GROUND SURFACE (SUCH AS VALVES, VALVE BOXES AND RISERS), BACKFILL THE AREA TO A NATURAL GRADE AND ESTABLISH A VEGETATIVE COVER.
6. COAT ALL SURFACE AREAS EXPOSED TO EFFLUENT WITH HYDRATED LIME AND ESTABLISH A VEGETATIVE COVER.

SUBMIT THE FOLLOWING DOCUMENTATION TO AMERICAN ENGINEERING WITHIN TWO-WEEKS FOLLOWING THE COMPLETION OF THE SEPTIC SYSTEM ABANDONMENT:

1. DIGITAL PHOTOGRAPHS DOCUMENTING THE SEPTIC SYSTEM CLOSURE ACTIVITIES.
2. DOCUMENTATION OF PROPER DISPOSAL OF WASTE, TANKS, ETC.
3. COPIES OF PERMITS, FORMS, LICENSES, ETC.



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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

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JAKOB P. KLEE 36528 ENGINEER
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FOR INFORMATION, ONLY

NO.	DATE	REVISION:
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MERRITT RESERVE
DEMOLITION 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:
DEMOLITION PLAN

SHEET NO.:
CX-100

Z:\Jobs\23-0004 Merrit Property (BRD)\Dwg_Working Dwgs\Sheets\Construction Set\E CX-100 Demo Plan.dwg
2025-07-02

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

SITE KEYMAP

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, SALES OR CONSTRUCTION

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 1 STAGE 1 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 1 STAGE 1 OVERALL

SHEET NO.:
CE-100

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 Dwg\Sheets\Construction Set\7. CE-100 Erosion Control Overall Plan.dwg
2025-07-01

SEE SHEET CE-102

SEE SHEET CE-103

SEE SHEET CE-105

NATURAL DRAINAGE SWALE, STABILIZE AS NEEDED

WATTLE, TYP

TDD 2.1A

STAGING AND LAYDOWN AREA

STOCKPILING AREA

TDD 2.1A/TDD 2.1B STABILIZATION BREAKPOINT

TDD 4.1

SILT FENCE OUTLET, TYP

SKIMMER: 3" ORIFICE: 2.25"

TDD 2.1B

BAFFLES SPACED EVENLY, TYP

TF/SF TO ACT AS LIMITS OF DISTURBANCE

TEMPORARY BRIDGE MAT FOR STREAM CROSSING

20' X 20' BASIN MAINTENANCE PAD W/DEWATERING BAG

EMERGENCY SPILLWAY

TSB 2

CHECK DAM, TYP

SLOPE DRAIN

RIP-RAP PAD

SILT FENCE OUTLET, TYP

ZONE 2 BUFFER

ZONE 1 BUFFER

WATTLE, TYP

TDD 4.1

CHECK DAM, TYP

SLOPE DRAIN

CB 401

FES 400

SLOPE DRAIN

CHECK DAM, TYP

TDD 4.2

SCM 4

SKIMMER SIZE: 2" ORIFICE SIZE: 1.75"

OS-4

WATTLE, TYP

TDD 1.1

TDD 1.2

RE-ROUTE EXISTING SWALE INTO BASIN

CHECK DAM, TYP

SLOPE DRAIN

CHECK DAM FOR EXISTING SWALE

20' X 20' BASIN MAINTENANCE PAD W/DEWATERING BAG

BAFFLES SPACED EVENLY, TYP

GRAVEL INLET PROTECTION, TYP

CHECK DAM, TYP

SLOPE DRAIN

TSB 1

4'-X 4' RISER STRUCTURE

CB 568

CB 569

CB 570

CB 571

FES-OS-4

TEMP. RIP-RAP PAD

SILT FENCE OUTLET, TYP

GRAVEL INLET PROTECTION, TYP

TIE TSB 1 OUTFALL TO PROPOSED STORM NETWORK

SKIMMER SIZE: 3" ORIFICE SIZE: 2.25"

EMERGENCY SPILLWAY

RECORD BOX

25' X 100' CONSTRUCTION ENTRANCE

CONCRETE WASHOUT

EXISTING 30' PRIVATE ACCESS EASEMENT D.B. 3361 PG. 212

EXISTING 50' GAS EASEMENT D.B. 17016 PG. 398

CONCRETE WASHOUT

25' X 100' CONSTRUCTION ENTRANCE

RECORD BOX

WATTLE, TYP

SILT FENCE OUTLET, TYP

N/F JOSEPH E. GUNZ

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 KEYMAP

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 REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN

PRELIMINARY DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 1

SHEET NO.:

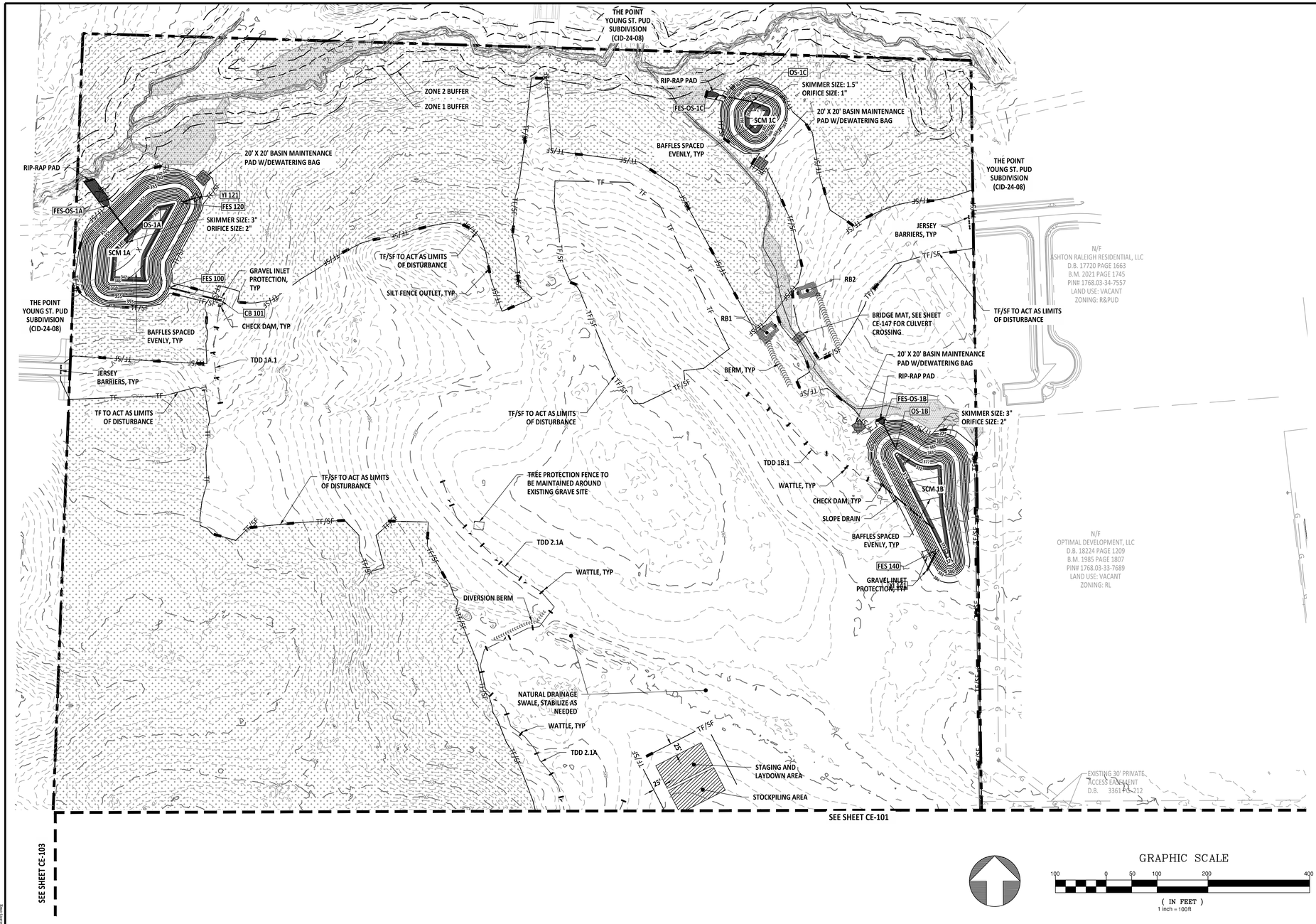
CE 101

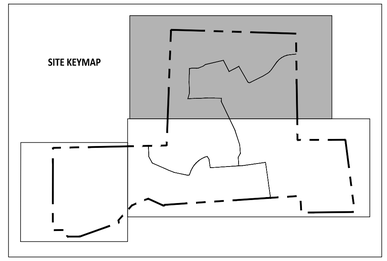
North 811 North Carolina One Call Center

*** 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\Sheets\Construction Set\E_CE-101-103 Erosion Control (100-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
LOD	LIMITS OF DISTURBANCE
	WETLANDS

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch = 100ft

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 PRELIMINARY 36528 ENGINEER JACOB P. KLEIN

DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 1

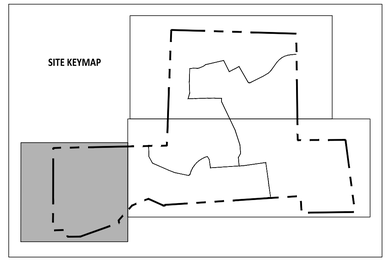
SHEET NO.:

CE-102

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 (BRP)\Dwg_Working Dwgs\Sheets\Construction Set\E CE 101-103 Erosion Control (100 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
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 REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 1

SHEET NO.:

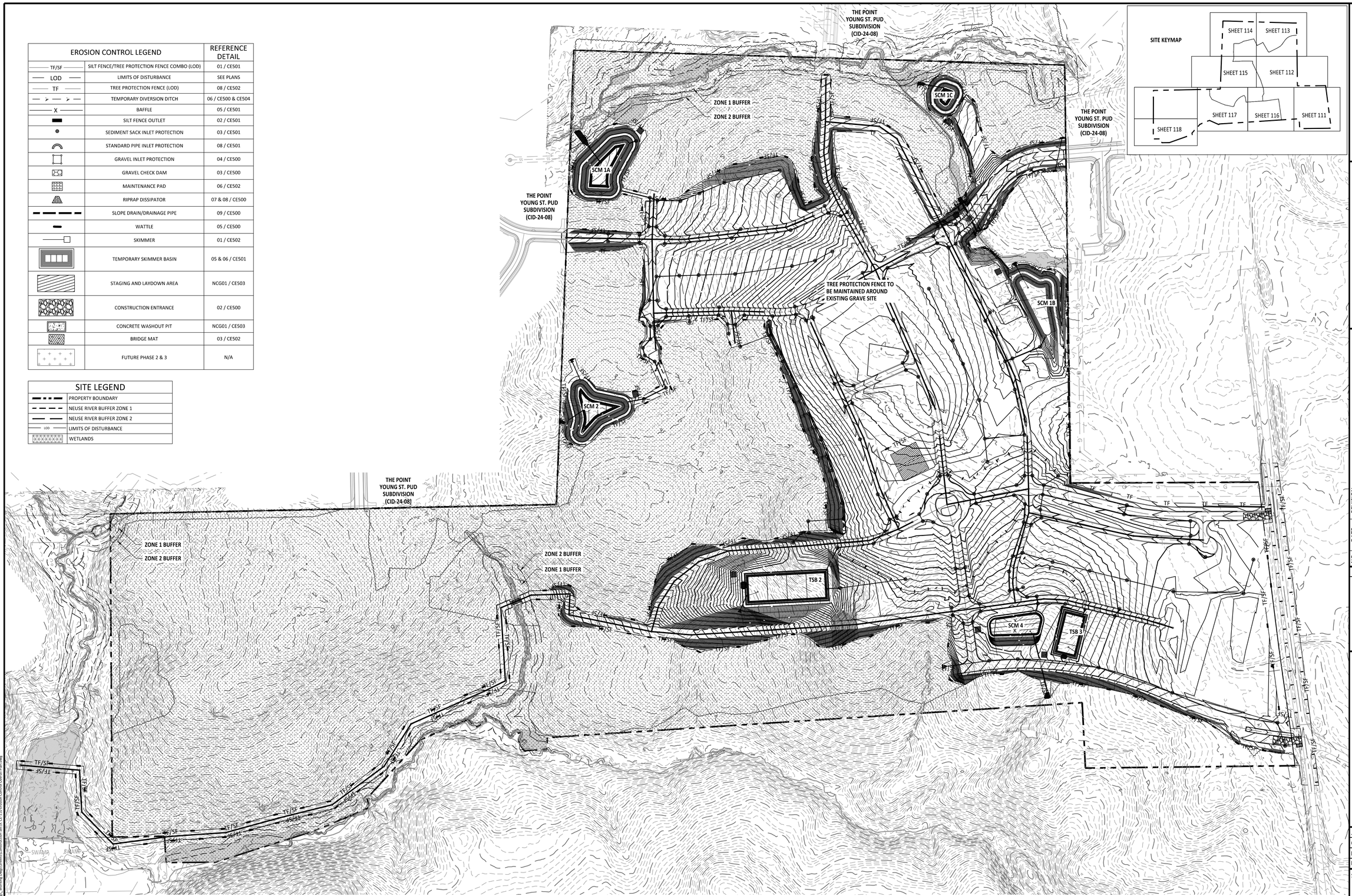
CE-103

North Carolina 811 Know what's below. Call before you dig.
*** 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\Sheets\Construction Set\E CE-101-103 Erosion Control (100-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
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

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1	07-01-25	FIRST REVISION SET

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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

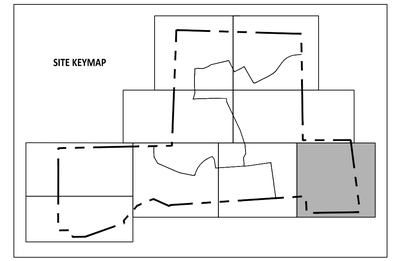
SHEET TITLE:
EROSION CONTROL PHASE 1 STAGE 2 OVERALL

SHEET NO.:
CE-110

North Carolina 811 — Know what's below. Call before you dig.
*** 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 (BBD)\dwg_Working Dwgs\Sheets\Construction Set\CE-110 Erosion Control Overall Plan.dwg
2025-07-01

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
PRELIMINARY PLANS
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

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MERRITT RESERVE
EROSION CONTROL PHASE 1 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

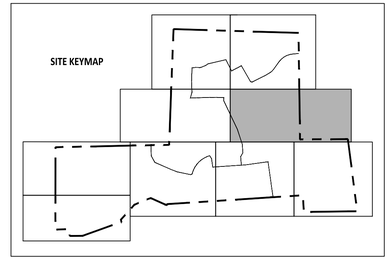
SHEET TITLE:
EROSION CONTROL PHASE 1 STAGE 2

SHEET NO.:
CE-111

North Carolina 811 811
*** 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 @RDP\Revit_Working Dwgs\Sheets\Construction Set\01 CE 111-114 Erosion Control (50 Scale).dwg
2025-07-01

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

*** 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-3861 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
PRELIMINARY
NOT FOR CONSTRUCTION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN
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 1 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

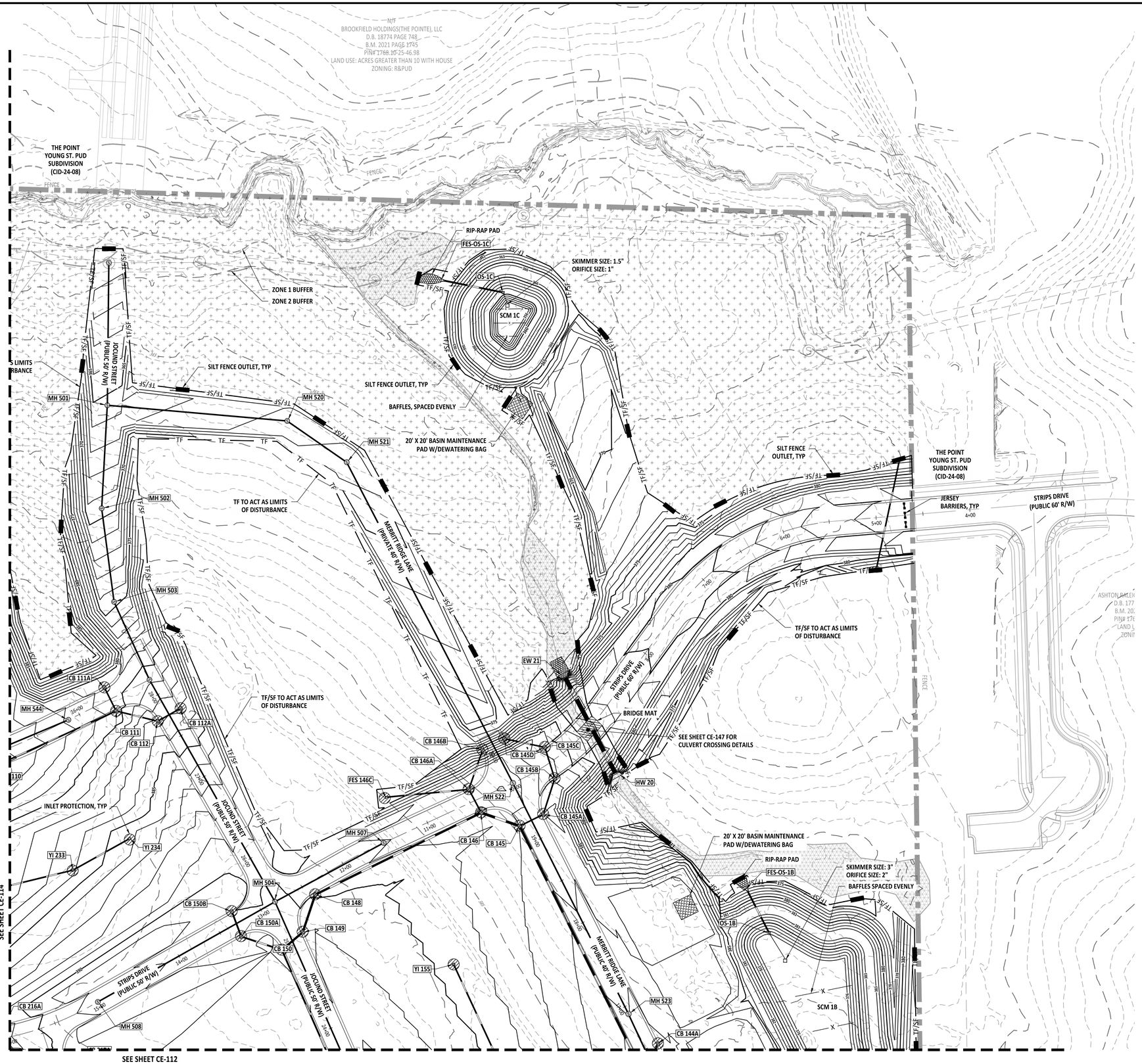
SHEET TITLE:

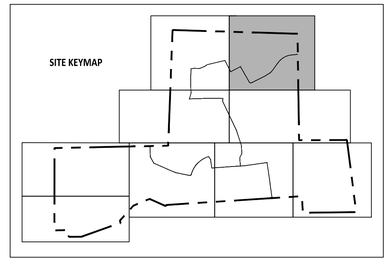
EROSION CONTROL PHASE 1 STAGE 2

SHEET NO.:

CE-112

Z:\Jobs\23-0004 Merrit Property (BRD)\Dwg_Working Dwgs\Sheets\Construction Set\10. CE-111-114 Erosion Control (SB Subs).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.

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 36528 JAKOB P. KLEE ENGINEER
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 1 STAGE 2
ROLESVILLE RD
WAKE COUNTY NC 27312

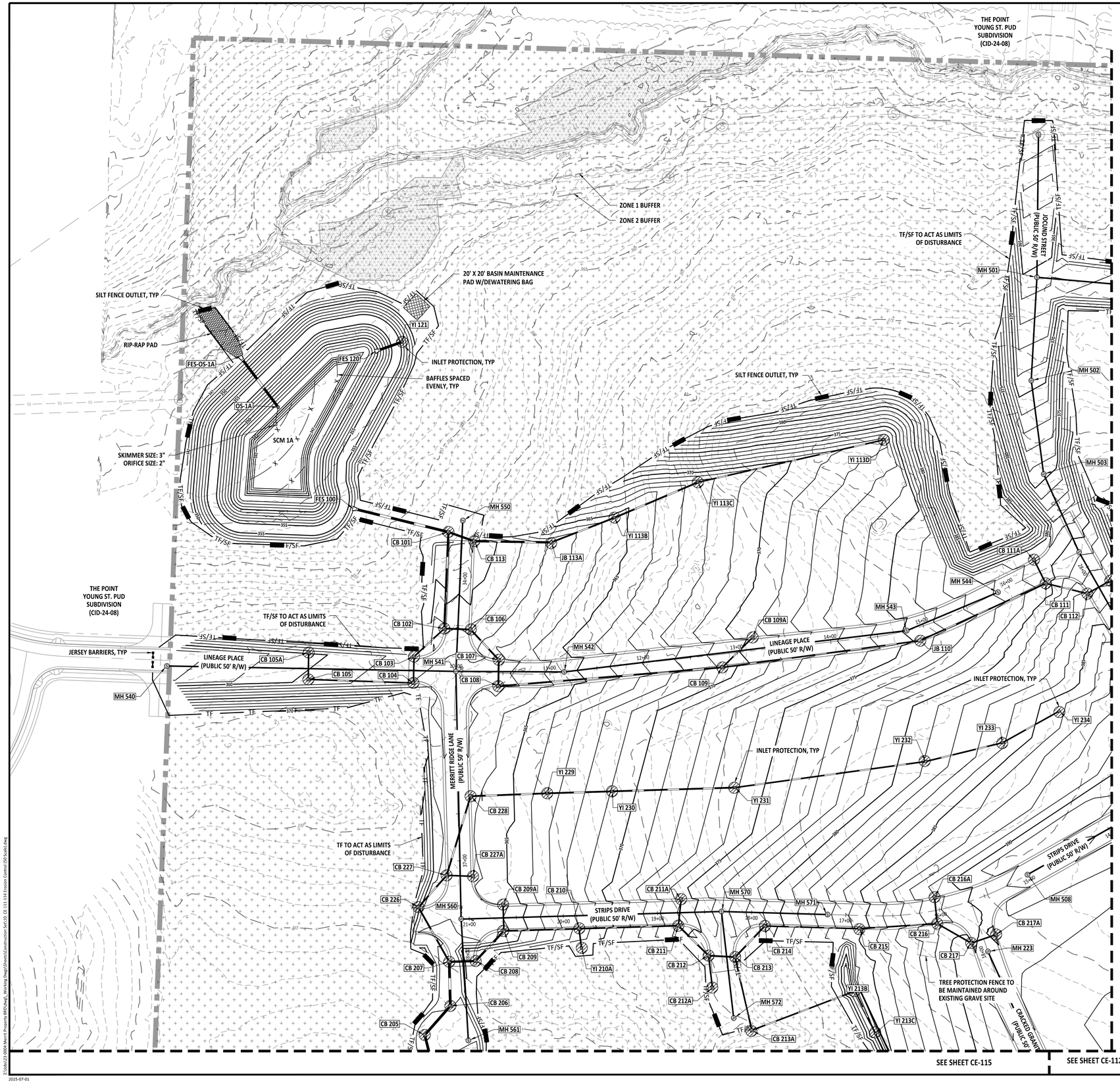
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

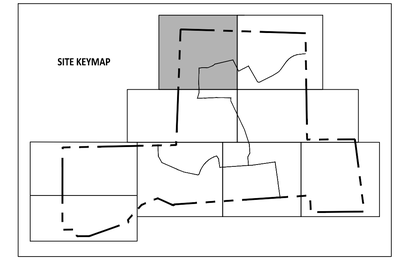
SHEET TITLE:
EROSION CONTROL PHASE 1 STAGE 2

SHEET NO.:
CE-113

North Carolina 811 811
*** 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\10. CE-111-114 Erosion Control (DS Subs).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.**

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 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

STIPULATION FOR REUSE

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 2

SHEET NO.:

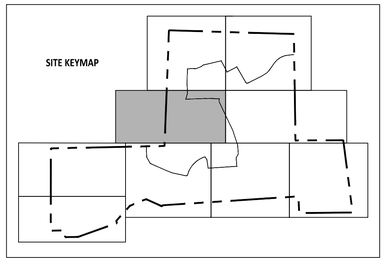
CE-114

North Carolina 811 811 or 1-800-622-4949

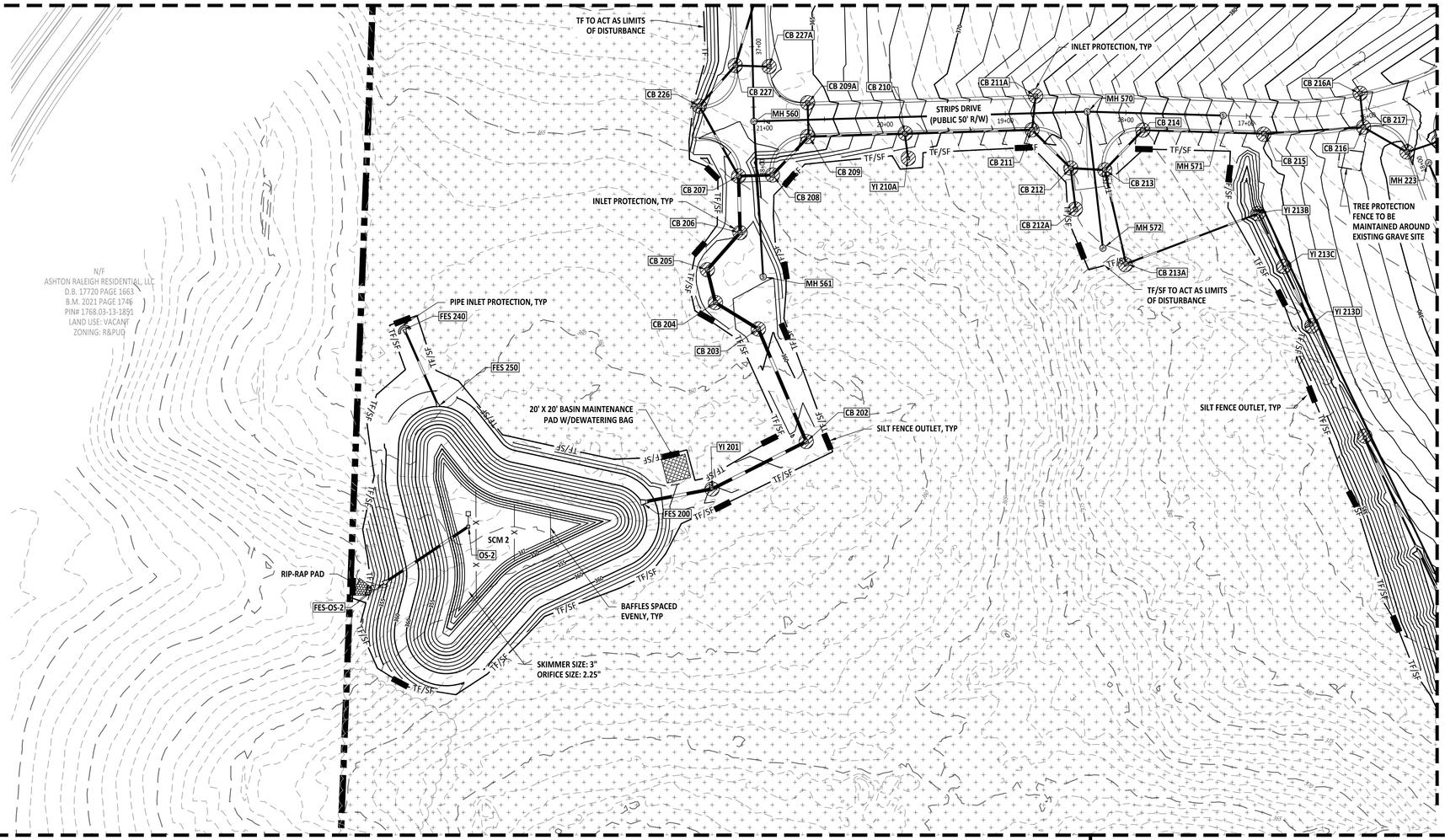
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merrit Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\10. CE-113-114 Erosion Control (50-Scale).dwg

2025-07-01



SEE SHEET CE-114



SEE SHEET CE-112

SEE SHEET CE-117

SEE SHEET CE-116

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 ENGINEERING CERTIFICATE OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

PRELIMINARY
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER
36528
JAKOB P. KLEIN

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE
EROSION CONTROL PHASE 1 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:

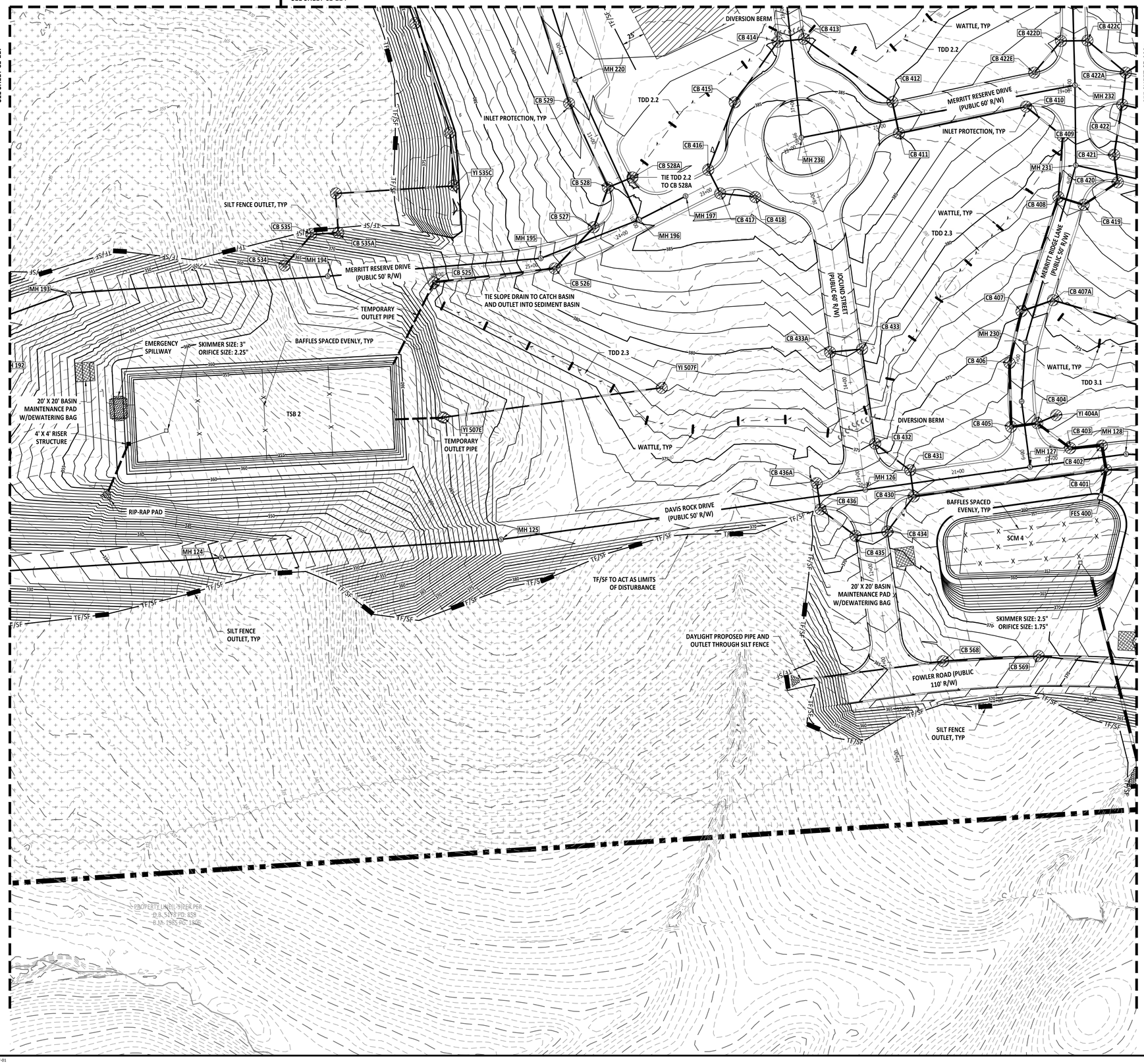
EROSION CONTROL PHASE 1 STAGE 2

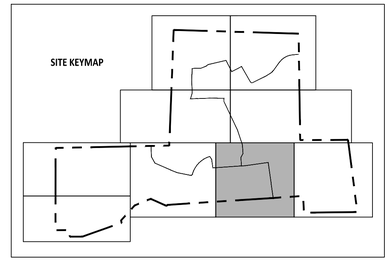
SHEET NO.:
CE-115

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\11. CE-115-118 Erosion Control (50 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
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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NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET

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

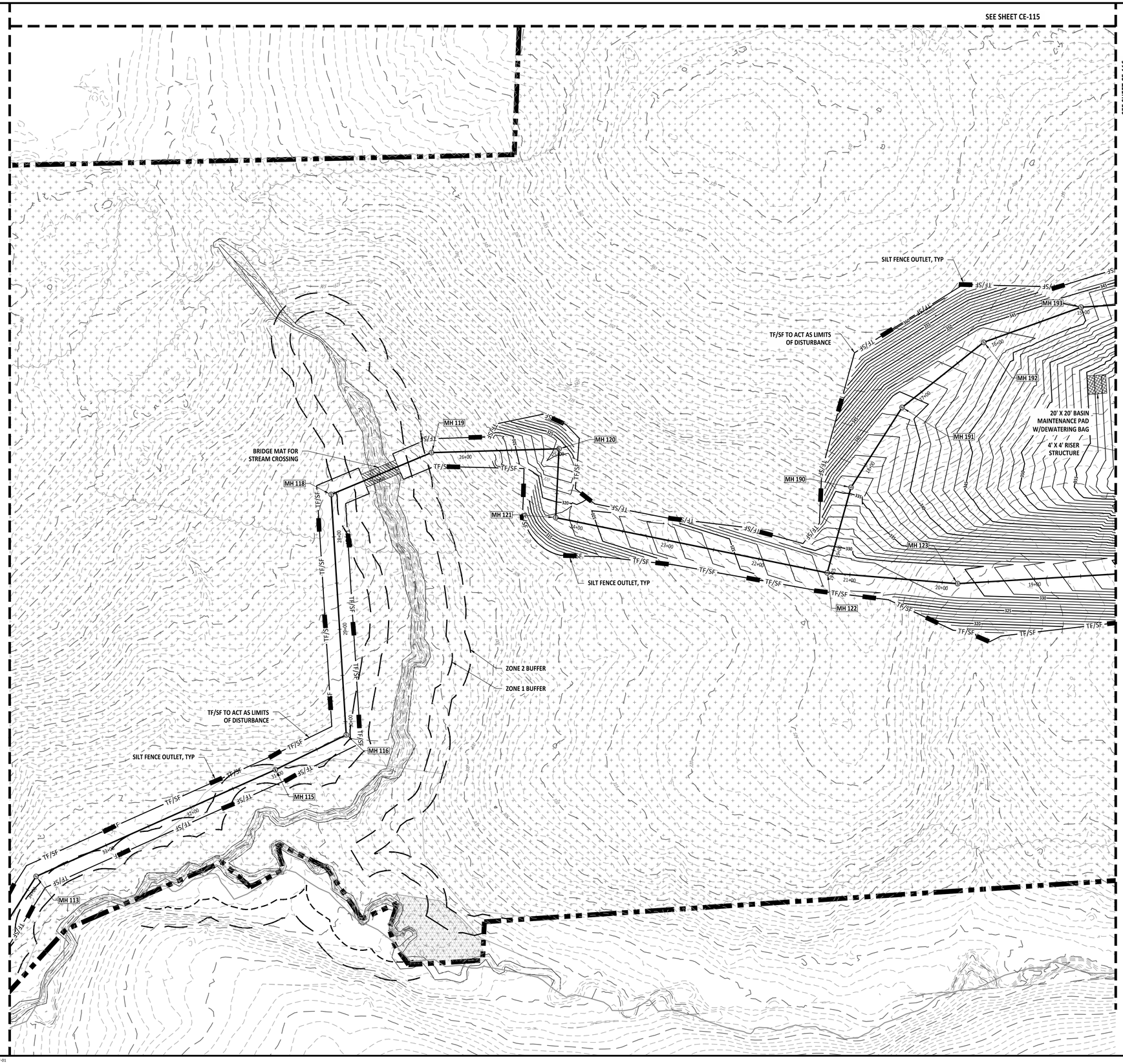
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

SHEET TITLE:
EROSION CONTROL PHASE 1 STAGE 2

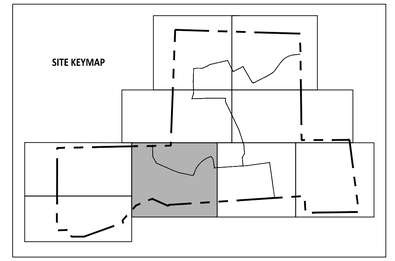
SHEET NO.:
CE-116

North Carolina 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\11. CE-115-118 Erosion Control (50 Scale).dwg
2025-07-01



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
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	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 811 811

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

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MERRITT RESERVE
EROSION CONTROL PHASE 1 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:

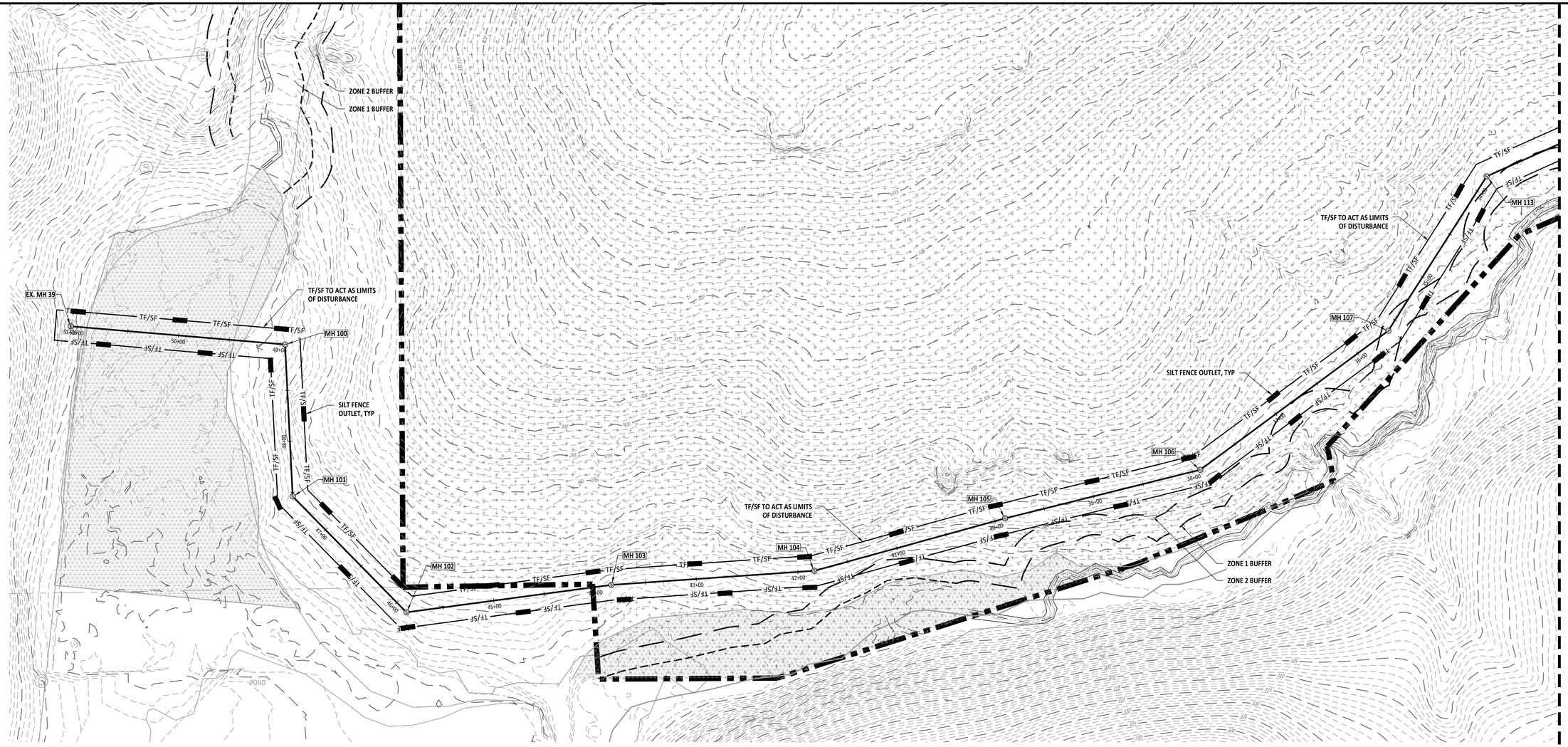
EROSION CONTROL PHASE 1 STAGE 2

SHEET NO.:

CE-117

Z:\Jobs\23-0004 Merritt Property @RD\Revit_Working Dwgs\Sheets\Construction Set\11 - CE 115-118 Erosion Control (50 Scale).dwg

2025-07-01



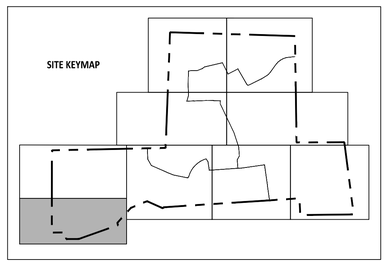
EROSION CONTROL LEGEND		REFERENCE DETAIL
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
	TEMPORARY DIVERSION DITCH	06 / CE500 & CE504
X	BAFFLE	05 / CE501
	SILT FENCE OUTLET	02 / CE501
	SEDIMENT SACK INLET PROTECTION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

SITE KEYMAP



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 ENGINEERING CERTIFICATION OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

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

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

STIPULATION FOR REUSE

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MERRITT RESERVE
EROSION CONTROL PHASE 1 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 1 STAGE 2

SHEET NO.:

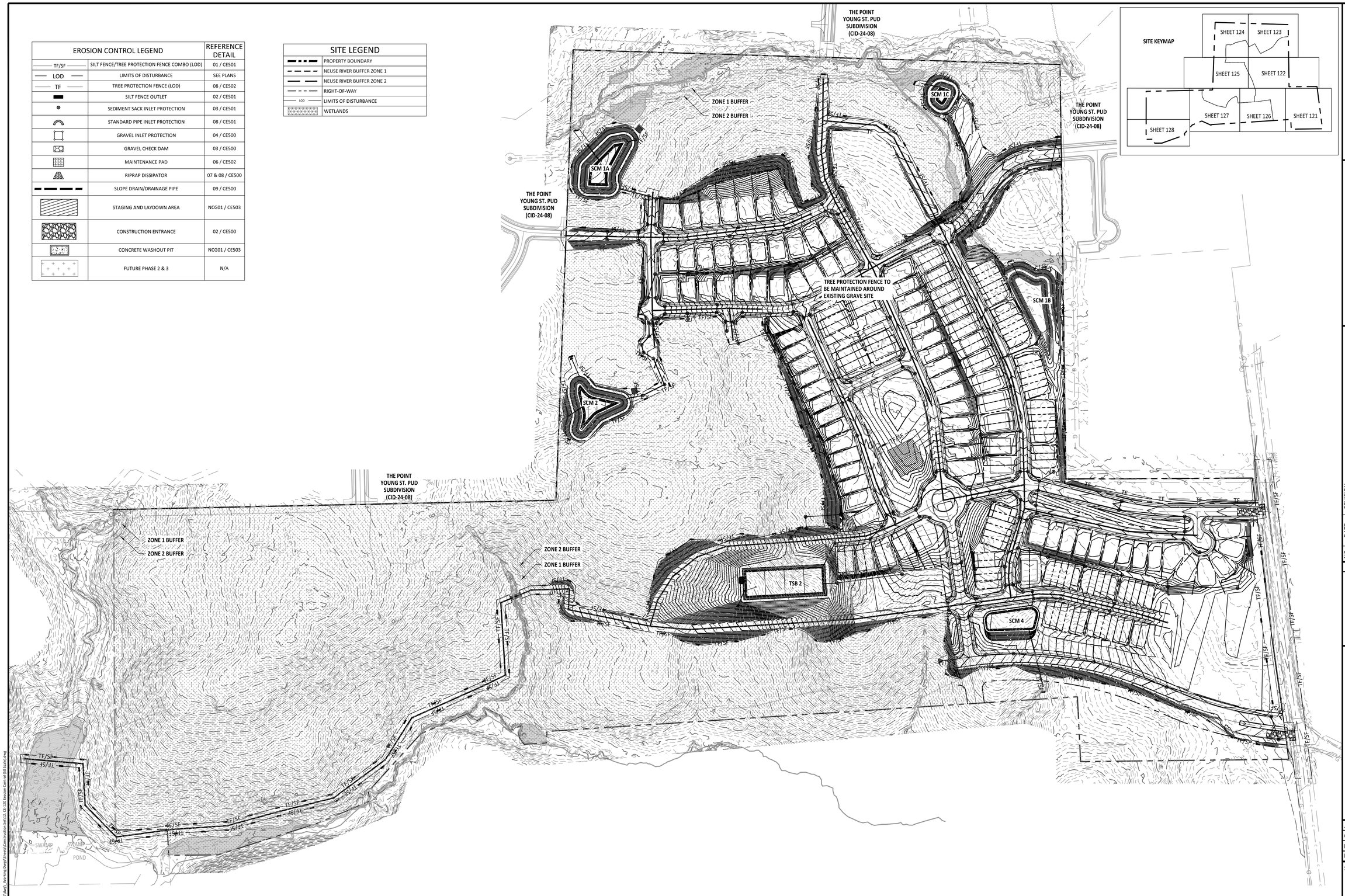
CE-118

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 @RD\Final_ Working Dwgs\Sheets\Construction Set\11. CE 115-118 Erosion Control (SS 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
	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

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 BOARD OF EXAMINERS FOR ENGINEERING AND SURVEYING
CERTIFICATE OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

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JACOB P. KLEIN
36528
ENGINEER
FOR INFORMATION, ONLY

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

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 3 OVERALL

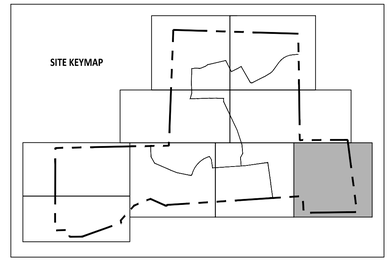
SHEET NO.:

CE-120

Z:\Jobs\23-0004 Merrit Property (BTO)\Awg_Working Dwgs\Sheets\Construction Set\CE-120 Erosion Control (GS Scale).dwg
2025-07-01

SEE SHEET CE-122

SEE SHEET CE-126



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
	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
	STAGING AND LAYDOWN AREA	NCG01 / CES03
	CONSTRUCTION ENTRANCE	02 / CES00
	CONCRETE WASHOUT PIT	NCG01 / CES03
	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

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

*** 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 PROFESSIONAL ENGINEER 36528 JACOB P. KLEIN

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

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 3

SHEET NO.:

CE-121

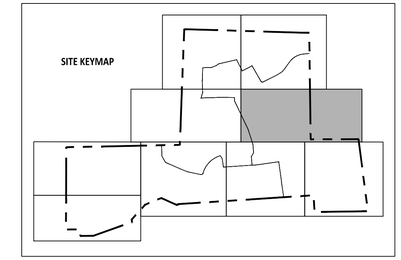
SEE SHEET CE-124

SEE SHEET CE-123

SEE SHEET CE-125

SEE SHEET CE-126

SEE SHEET CE-121



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

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 ENGINEERING CERTIFICATE OF AUTHORIZATION AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881

PRELIMINARY

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NORTH CAROLINA ENGINEER 36528 JACOB P. KLEIN

FOR INFORMATION, ONLY

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

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 3

SHEET NO.:

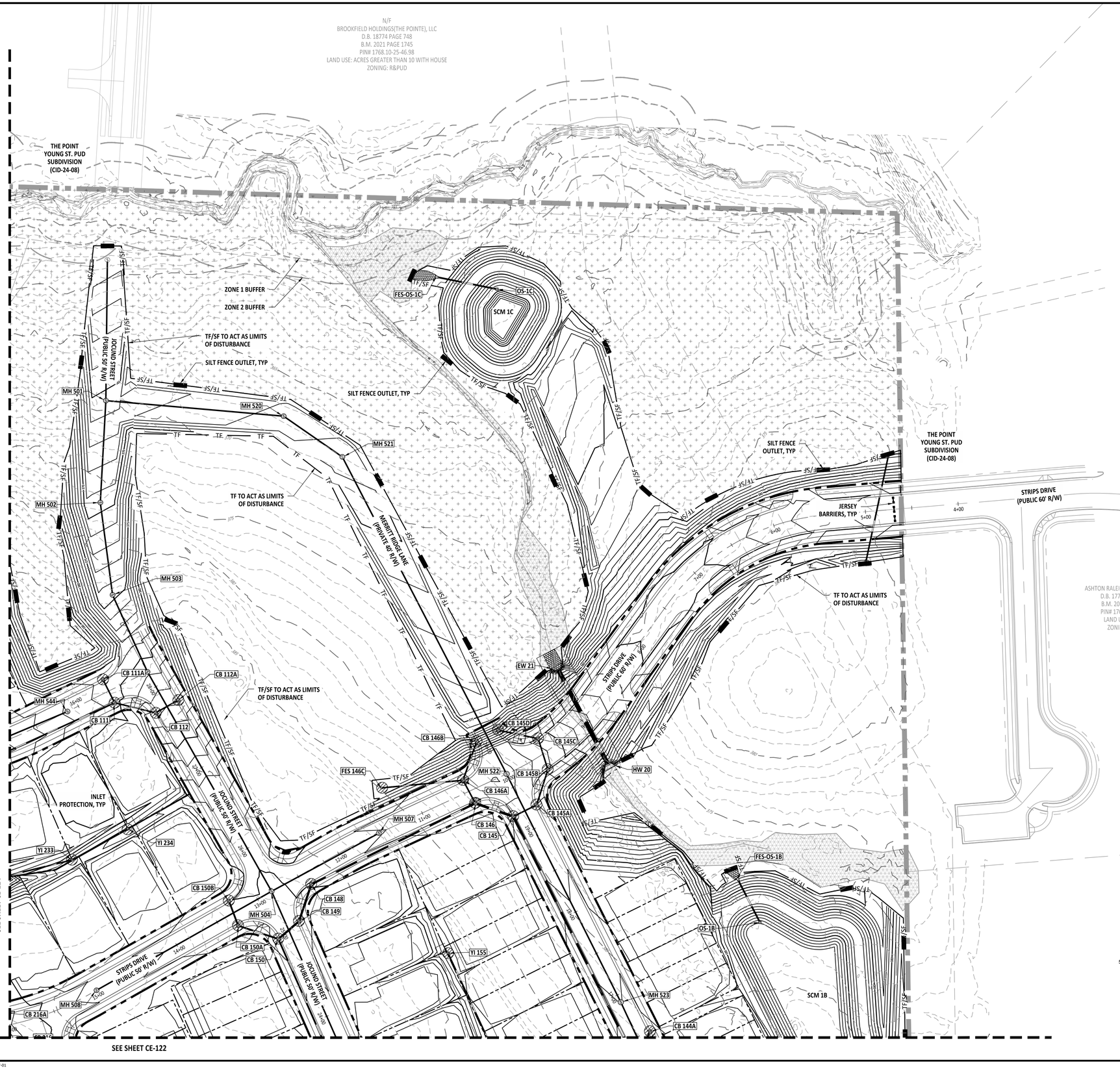
CE-122

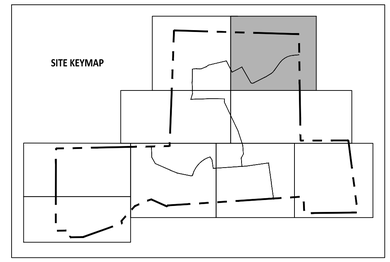
North Carolina 811 811

*** 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 Macon Property (BTP)\Revit_Working Dwgs\Sheets\Construction Set\13. CE 121-124 Erosion Control (50 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
	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

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

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 CERTIFICATE OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

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

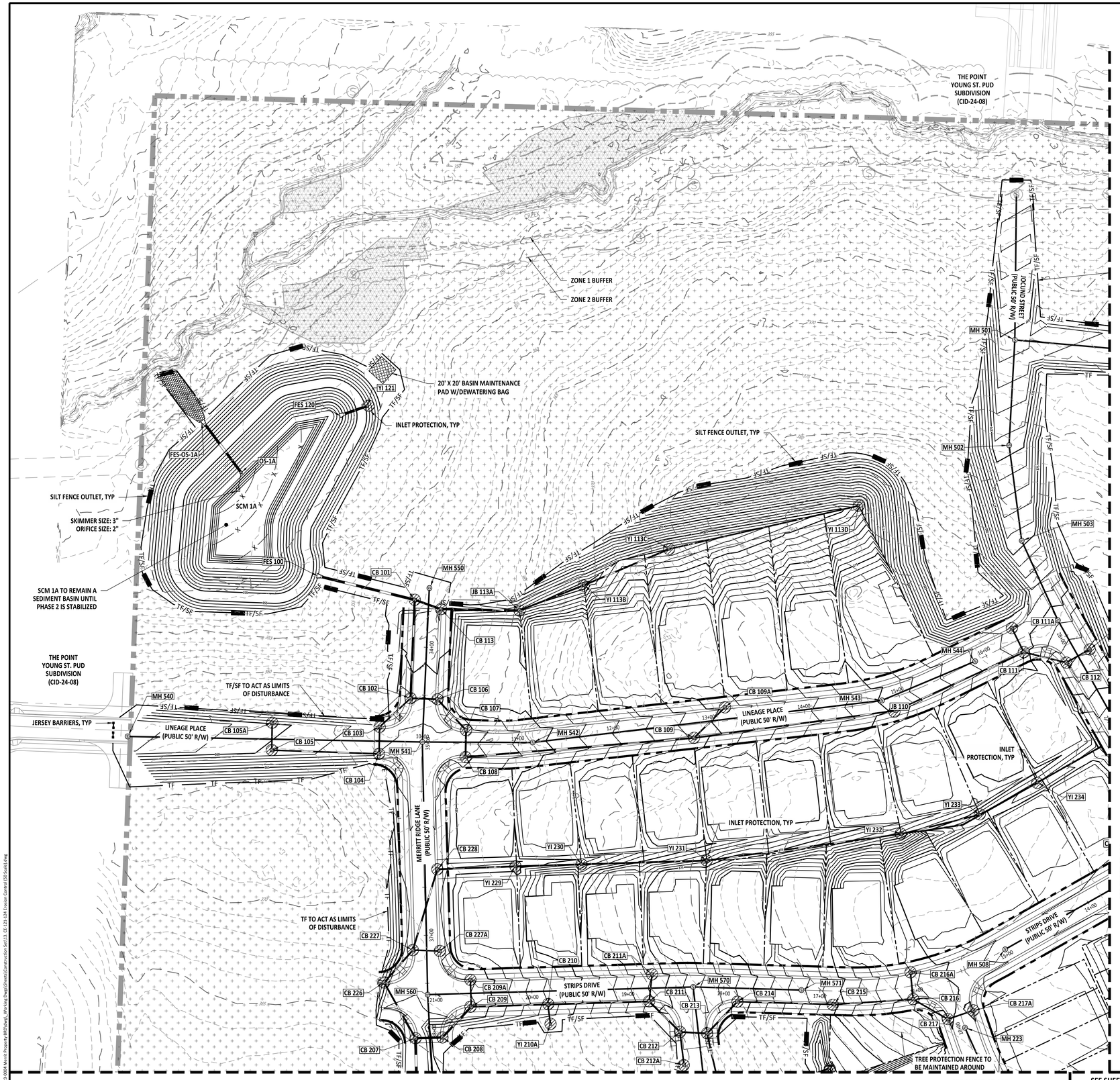
MERRITT RESERVE
EROSION CONTROL PHASE 1 STAGE 3
ROLESVILLE RD
WAKE COUNTY NC 27312

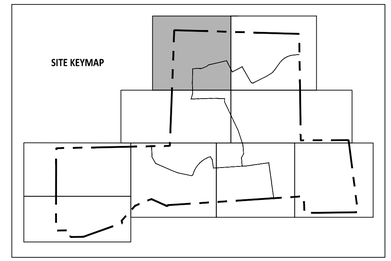
JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

SHEET TITLE:
EROSION CONTROL PHASE 1 STAGE 3

SHEET NO.:
CE-123

Z:\Jobs\23-0004 Merritt Property (RBP)\Final_ Working Dwgs\Sheets\Construction Set\13. CE-121-124 Erosion Control (SD 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
	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	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

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 PRELIMINARY JAKOB P. KLEMENCIC 36528 ENGINEER 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 1 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 1 STAGE 3

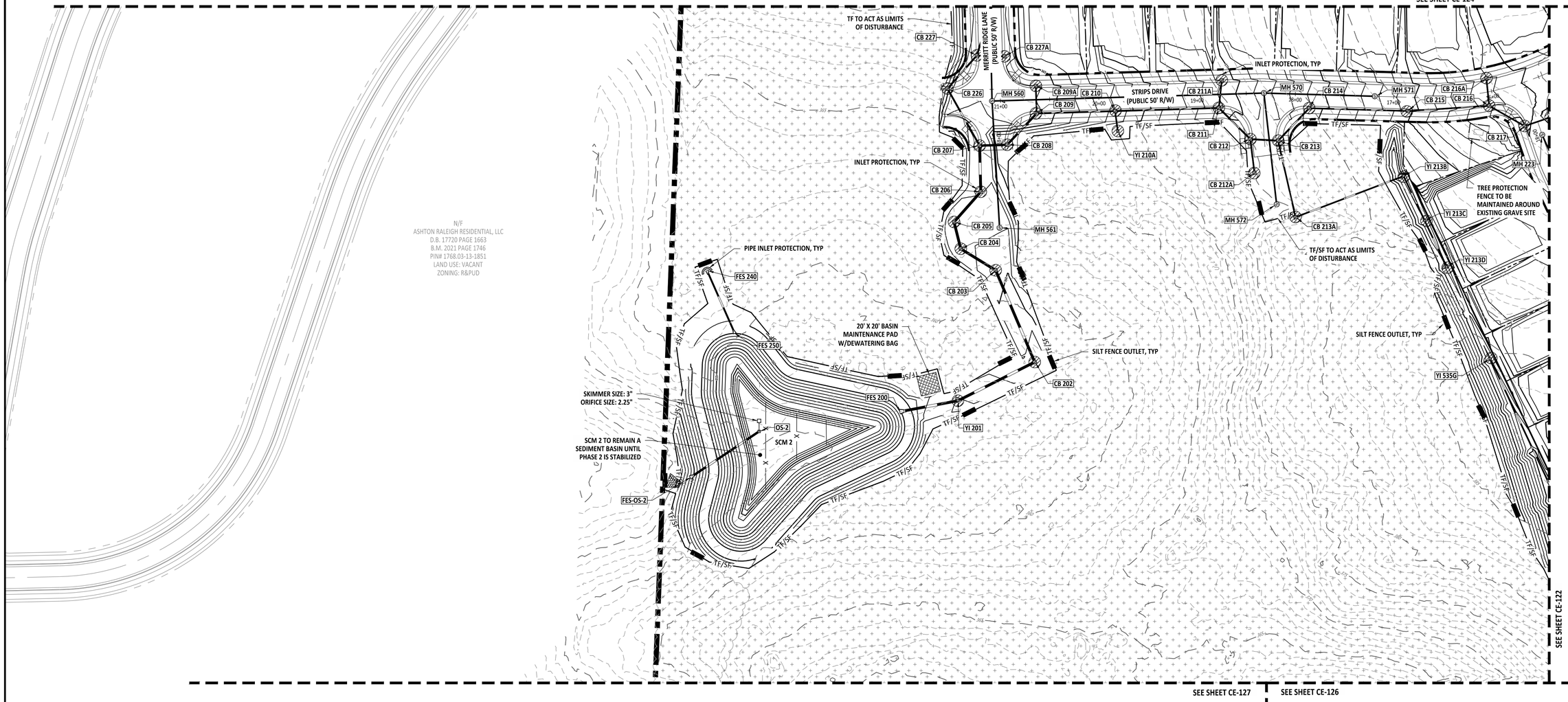
SHEET NO.:

CE-124

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\13. CE-121-124 Erosion Control (50 Scale).dwg

2025-07-01

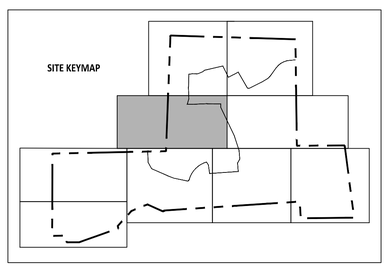


EROSION CONTROL LEGEND		REFERENCE DETAIL
TF/SF	SILT FENCE/TREE PROTECTION FENCE COMBO (LOD)	01 / CE501
LOD	LIMITS OF DISTURBANCE	SEE PLANS
TF	TREE PROTECTION FENCE (LOD)	08 / CE502
	SILT FENCE OUTLET	02 / CE501
	SEDIMENT SACK INLET PROTECTION	03 / CE501
	STANDARD PIPE INLET PROTECTION	08 / CE501
	GRAVEL 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

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

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE
EROSION CONTROL PHASE 1 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 1 STAGE 3

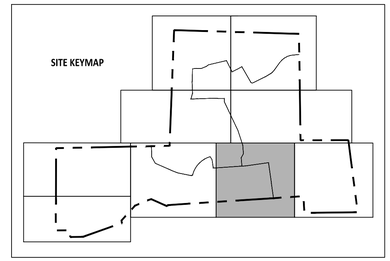
SHEET NO.:

CE-125

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 Merritt Property BBP\Plan_ Working Dwgs\Sheets\Construction Set\14. CE 125-128 Erosion Control (SS 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
	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	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

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 36528 ENGINEER JAKOB P. KLEIN

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FOR INFORMATION, ONLY

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

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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 3

SHEET NO.:

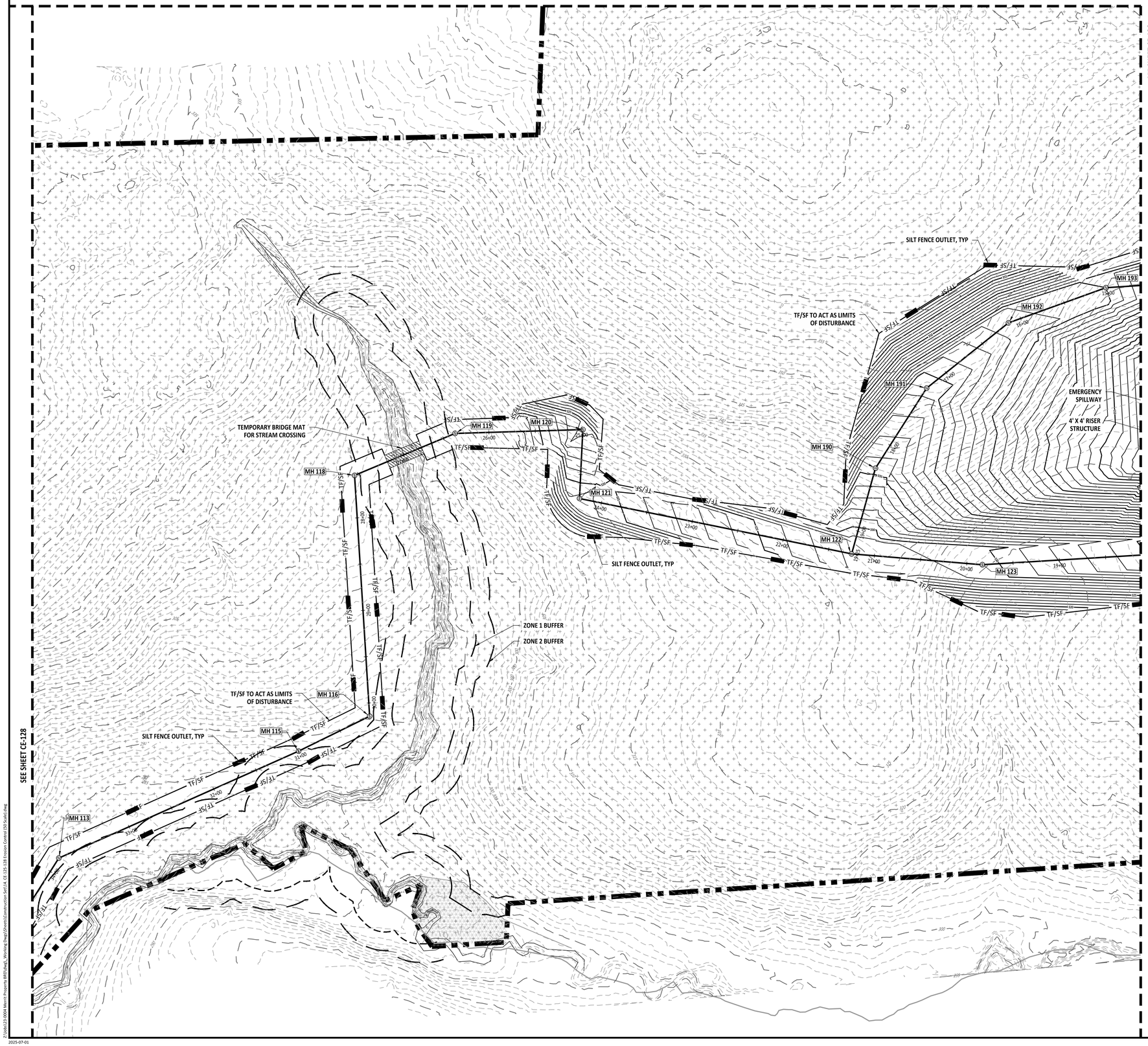
CE-126

North Carolina 811 811 it's the law!

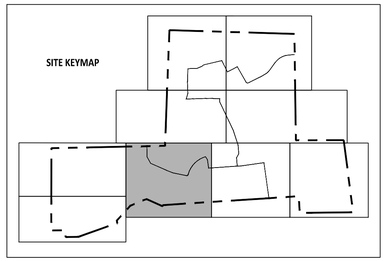
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merritt Property @RDU\dwg_Working Dwgs\Sheets\Construction Set\14_CE-125-128 Erosion Control (50 Scale).dwg

2025-07-01



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
	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

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

North Carolina 811 811
*** 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 PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEIN

PRELIMINARY DO NOT USE FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
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STIPULATION FOR REUSE

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MERRITT RESERVE
EROSION CONTROL PHASE 1 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:

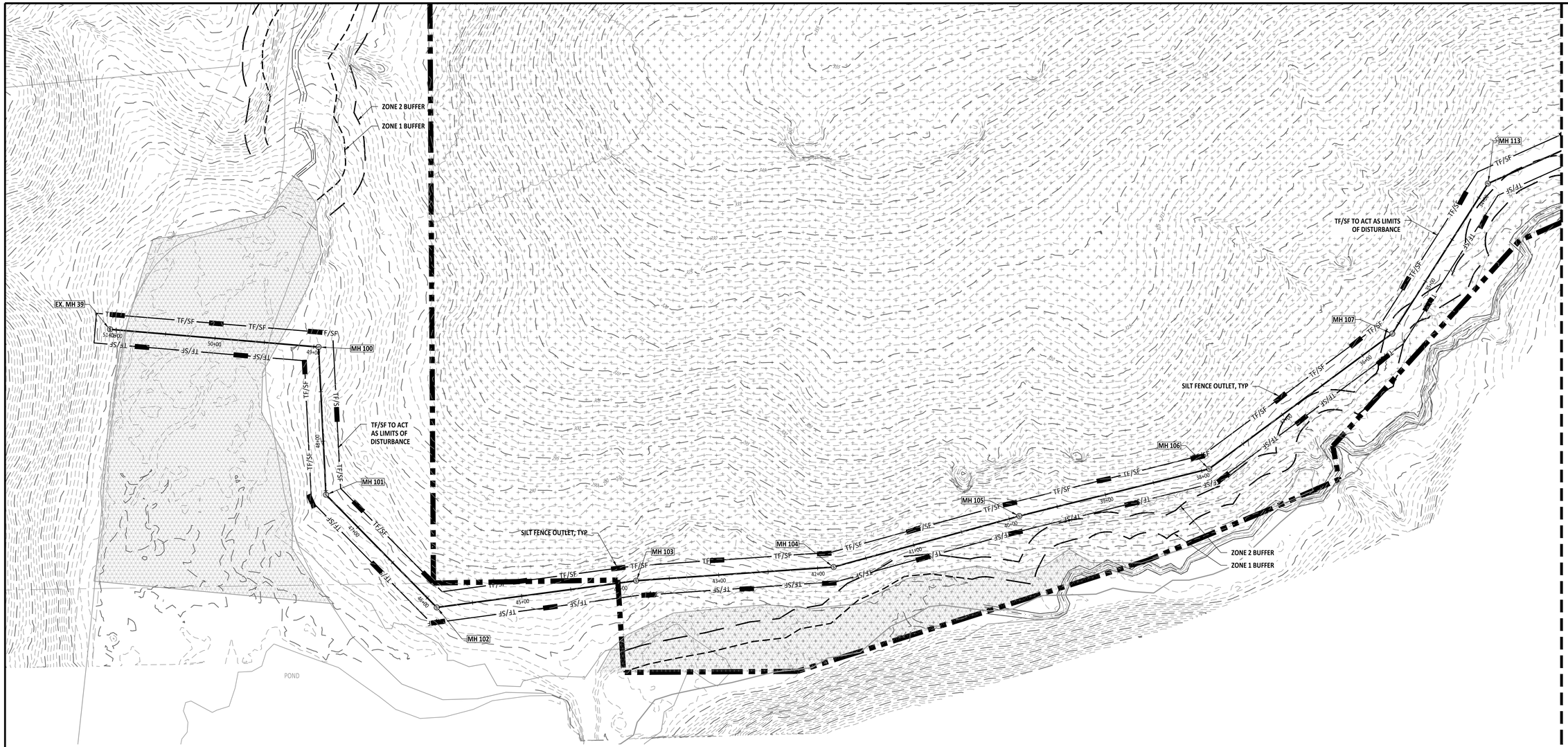
EROSION CONTROL PHASE 1 STAGE 3

SHEET NO.:

CE-127

Z:\Jobs\23-0004 Merritt Property @Rdl\Revit_Working Dwgs\Sheets\Construction Set\14 CE-125-128 Erosion Control (50 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
	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

GENERAL NOTES:

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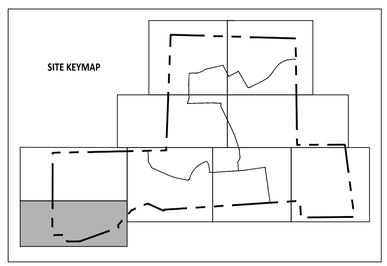

GRAPHIC SCALE

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 — 36528 — ENGINEER — JAXON P. KLEIN

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
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MERRITT RESERVE

EROSION CONTROL PHASE 1 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 1 STAGE 3

SHEET NO.:

CE-128

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\Wet_Working Dwgs\Sheets\Construction Set\14. CE-125-128 Erosion Control (SO Scale).dwg

2025-07-01

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

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

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

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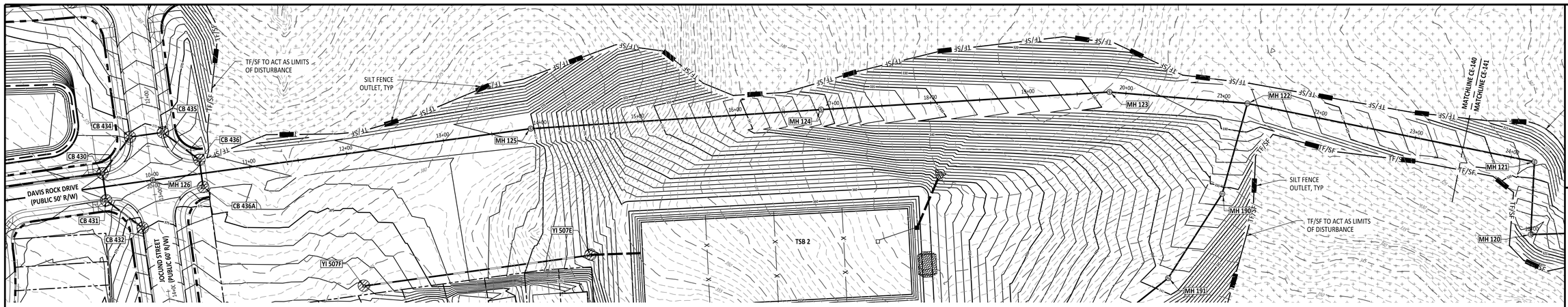
MERRITT RESERVE
EROSION CONTROL PHASE 1
NDPES PLAN
ROLESVILLE RD
WAKE COUNTY NC 27312

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 1 NDPES PLAN

SHEET NO.:
CE-130

Z:\Jobs\23-0004 Merrit Property (BTD)\dwg_Working Dwgs\Sheets\Construction Set\15. CE-130 PHASE 1 NDPES Plan.dwg
2025-07-01



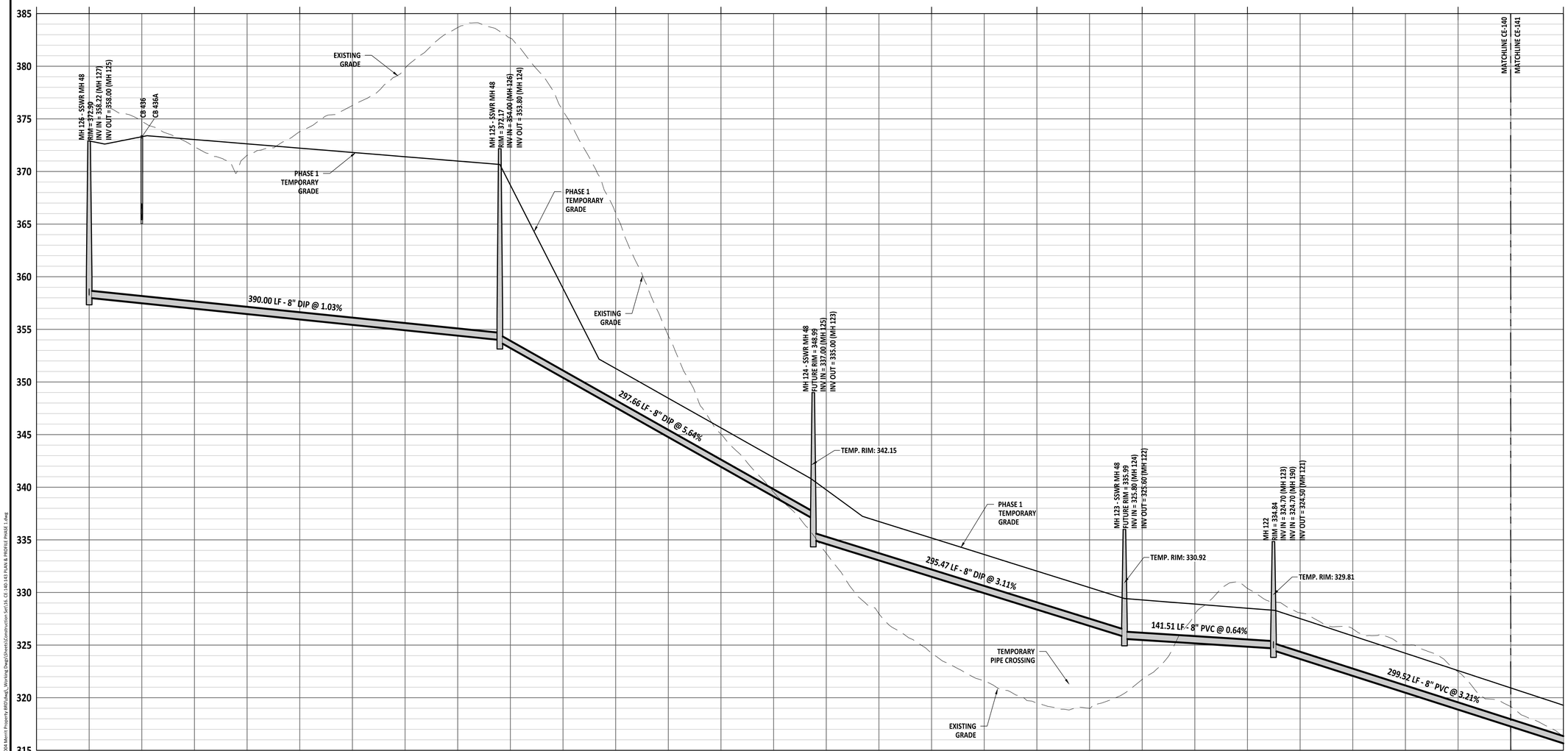
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PHASE 1 OFFSITE SANITARY SEWER PLAN & PROFILE

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



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-3861 CERTIFICATE OF AUTHORIZATION

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

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

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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:

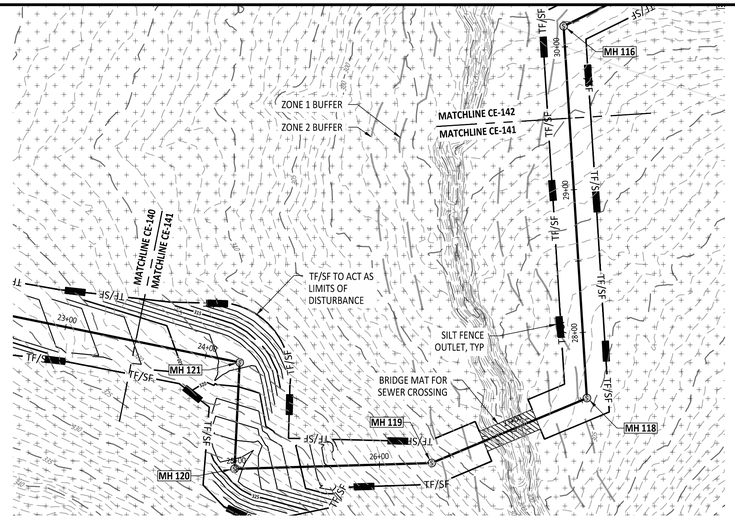
EROSION CONTROL PLAN & PROFILE PHASE 1

SHEET NO.:

CE-140

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 (BRT)\Dwg_Working Dwgs\Sheets\Construction Set\16. CE-140-143 PLAN & PROFILE PHASE 1.dwg
2025-07-01

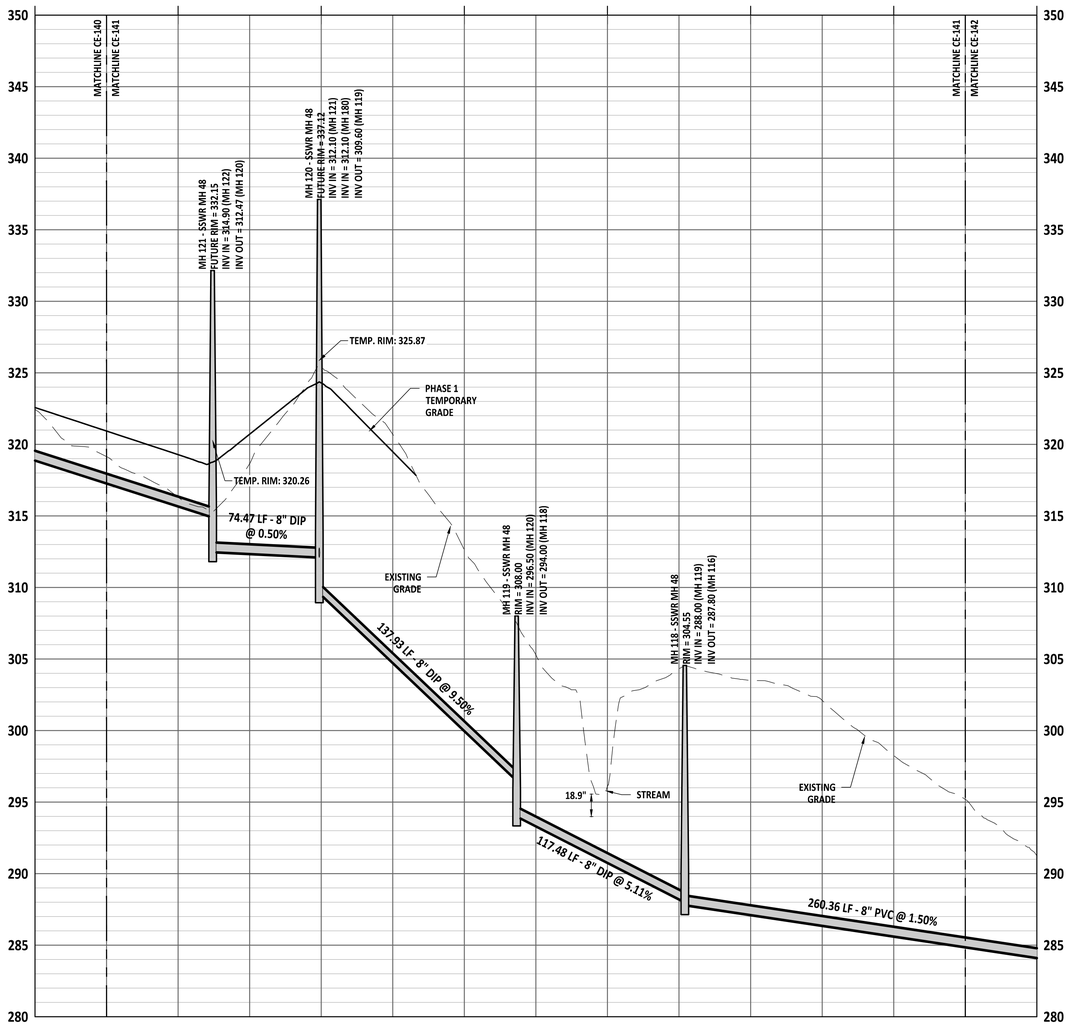


GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PHASE 1 OFFSITE SANITARY SEWER PLAN & PROFILE



GENERAL NOTES:

1. **SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION.**

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

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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-141

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 RBR\Dwgs_Working Dwgs\Sheets\Construction Set\CE-140-143 PLAN & PROFILE PHASE 1.dwg

2025-07-01