SEE SHEET CG-108

SEE SHEET CG-107

FOWLER ROAD (PUBLIC 110' R/W)

SUTTON RIDGE ROAD (PUBLIC 50' R/W)

FETCHING PLACE (PUBLIC 60' R/W)

NEUSE RIPARIAN BUFFER ZONE 1

NEUSE RIPARIAN BUFFER ZONE 2

1% ANNUAL FEMA FLOOD LIMIT ZONE "AE" MAP # 3720-1758-00K DATED JULY 19, 2022

0.1% ANNUAL FEMA FLOODWAY

END ROAD CONSTRUCTION AND GRADE DOWN TO EXISTING AT 3:1

WETLAND (TYP)

NOTE: LOTS 446-463 TO BE BASEMENT LOTS.

NOTE: LOTS 442-445 TO BE BASEMENT LOTS.

EXISTING 20' ER EASEMENT 1992 PG. 658

VARIABLE WIDTH DRAINAGE EASEMENT

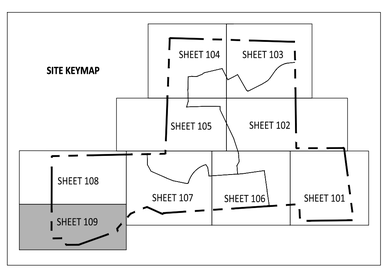
20' PUBLIC DRAINAGE AND SCM ACCESS EASEMENT

20' PUBLIC DRAINAGE EASEMENT

SWAMP

POND

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 AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY

NOT FOR CONSTRUCTION

NORTH CAROLINA 36528 ENGINEER JAKOB P. KLEIN

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

GRADING AND DRAINAGE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

GRADING AND DRAINAGE

SHEET NO.:

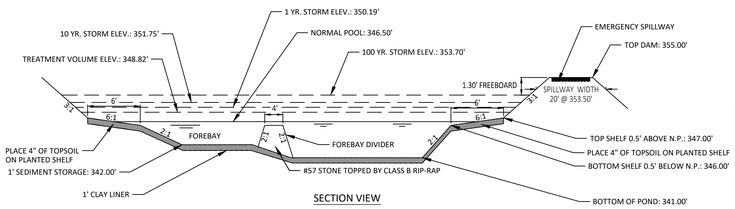
CG-109

North Carolina 811 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:\Job\23-0004 Merritt Property BRD\Revit_Working Dwgs\Sheets\Construction Set\CG-107-109 Grading and Drainage (50 Scale).dwg

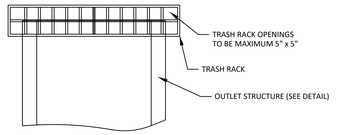
2025-09-03



SECTION VIEW

NOTES:
1. FOREBAY DIVIDERS ARE TO BE INSTALLED WHILE CONVERTING FROM SEDIMENT BASIN TO WET POND.

RETENTION POND
NTS



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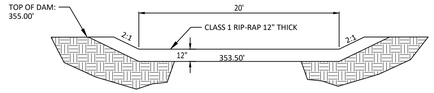
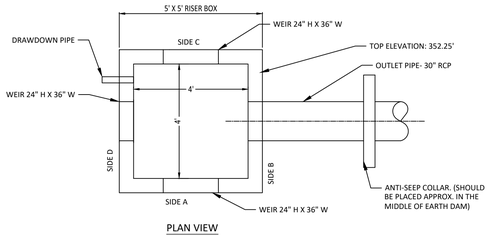
3. TRASH RACK SHALL ACCOMMODATE VALVE SHAFT THOUGH AN OPENING.
4. TRASH RACK SHALL BE MADE OF DURABLE MATERIAL WHICH WILL NOT RUST OR DETERIORATE IN SUNLIGHT.
5. TOP OF TRASH RACK SHALL HAVE A GRID OF BARS (MAX. 6"x6").

TRASH RACK
NTS



EMERGENCY SPILLWAY SECTION
NTS



PLAN VIEW

NOTES:
1. WALL THICKNESS AND REINFORCEMENT TO BE DETERMINED BY PRECAST CONCRETE MANUFACTURER.
2. OUTLET STRUCTURE ELEVATIONS SHOWN ON THE DETAILS ON THIS SHEET ARE CRITICAL AND MUST BE WITHIN 0.02' OF THAT SHOWN. IF OUTLET STRUCTURES ARE PRE-CAST OFF-SITE, THE HOLE FOR THE OUTLET PIPE SHALL BE ENLARGED TO ALLOW UP TO 0.3' OF VERTICAL MOVEMENT. WHEN INSTALLED, THE EXCESS OPENING SHALL BE FILLED WITH GROUT.
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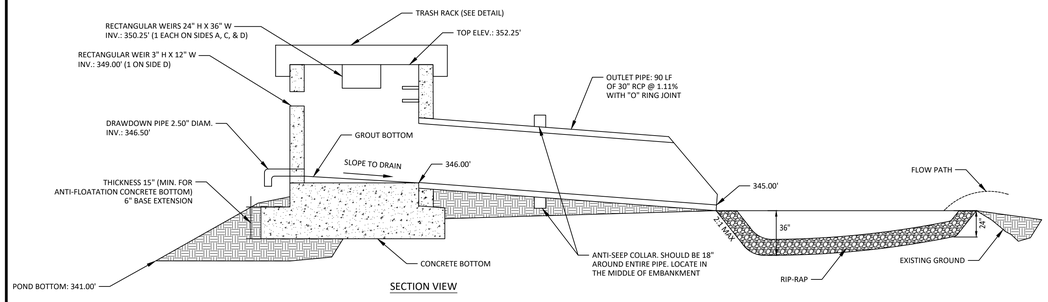
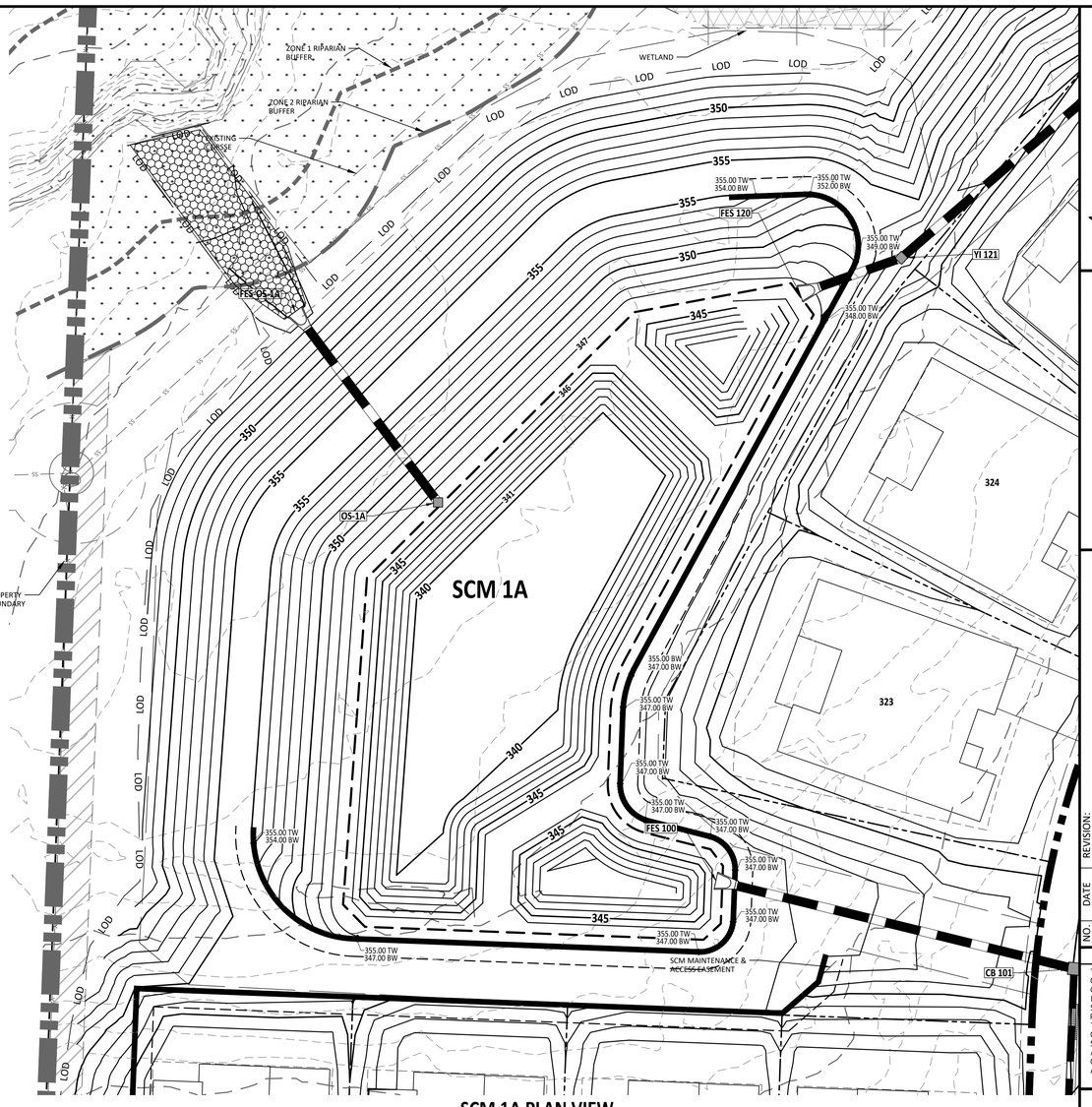


SECTION VIEW

OUTLET STRUCTURE 1A
NTS



SCM 1A PLAN VIEW

PLANT LIST VEGETATED SHELF PLANT SCHEDULE:

VEGETATED SHELF (HERB.)

EF	EUPATORUIM FISTRULOSUM	JOE PYE WEED	4-6" POT @ 3' SPACING
HC	HIBICUS COCCINEA	SCARLET ROSE MALLOW	4-6" POT @ 3' SPACING
CG	CHELONE GLABRA	WHITE TURTLEHEAD	4-6" POT @ 3' SPACING
LC	LOBELIA CARDINALIS	CARDINAL FLOWER	4-6" POT @ 3' SPACING

LANDSCAPE PLAN:

VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE)
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF

INTERNAL SLOPES ABOVE THE VEGETATIVE SHELF, TOP OF DAM, AND BACK SLOPES SHALL BE STABILIZED WITH A NON-CLUMPING TURF GRASS SUCH AS HYBRID BERMUDA OR CENTIPEDE.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20

SCM CONVERSION SEQUENCE

1. WHEN ALL CONTRIBUTARY AREAS TO THE STORMWATER CONTROL MEASURE (SCM) HAVE BEEN STABILIZED CONTACT WAKE COUNTY FOR PERMISSION TO CONVERT THE SEDIMENT BASIN TO A SCM.
2. PUMP DOWN ANY REMAINING WATER WITHIN BASIN THROUGH A SILT BAG.
3. REMOVE ALL SEDIMENT FROM THE BASIN AND RESTORE GRADES TO DESIGNED CONFIGURATION AS NEEDED.
4. CONSTRUCT FOREBAY DIVIDER AND FINE GRADE FOREBAY TO BOTTOM ELEVATION PER AS SHOWN HERE.
5. MAKE ANY REPAIRS, ETC. NECESSARY TO THE OUTLET STRUCTURE, OUTLET PIPE ENSURING THAT ALL JOINTS ARE PROPERLY SEALED.
6. EXAMINE EMERGENCY OVERFLOW AND RIP-RAP OUTLET TO SEE IF REFRESHING OR CLEANING OF ROCK IS NECESSARY.
7. REMOVE SKIMMER AND CLOSE OUTLET VALVE.
8. CONTACT EROSION CONTROL OFFICER FOR APPROVAL.
9. CONTACT A LICENSED SURVEYOR FOR SURVEY OF AS-BUILT CONDITIONS. NOTIFY ENGINEER-OF-RECORD FOR PREPARATION OF AS-BUILT DRAWINGS.
10. UPON CONFIRMATION FROM THE ENGINEER OF RECORD THAT ALL SURFACE AREAS HAVE BEEN MET THE VEGETATE SHELF CAN BE PLANTED AS SHOWN HERE.

PROJECT NUMBER = CID-25-02

North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
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4020 Westchase Boulevard, Suite 450
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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
36528
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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

SCM 1A DETAIL

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

SHEET TITLE:

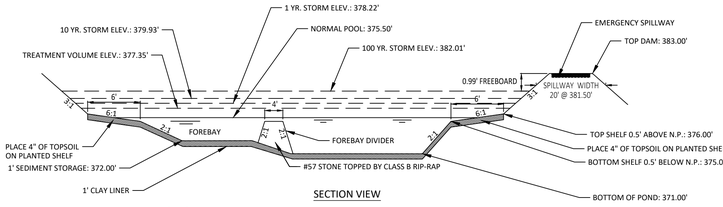
SCM 1A DETAIL

SHEET NO.:

CG-401

Z:\Jobs\23-0004 Merrit Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\SK_CG- 401 SCM 1A-2 Detail.dwg

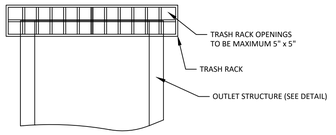
2025-09-03



SECTION VIEW

NOTES:
1. SEE SHEET 2.0 FOR SCM CONVERSION SEQUENCE.
2. FOREBAY DIVIDERS ARE TO BE INSTALLED WHILE CONVERTING FROM SEDIMENT BASIN TO WET POND.

RETENTION POND
NTS



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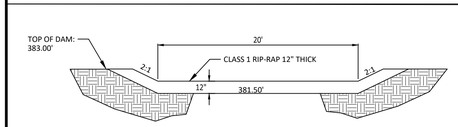
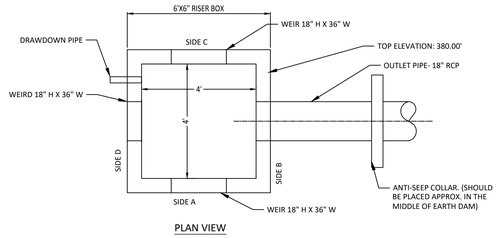


EMERGENCY SPILLWAY SECTION
NTS



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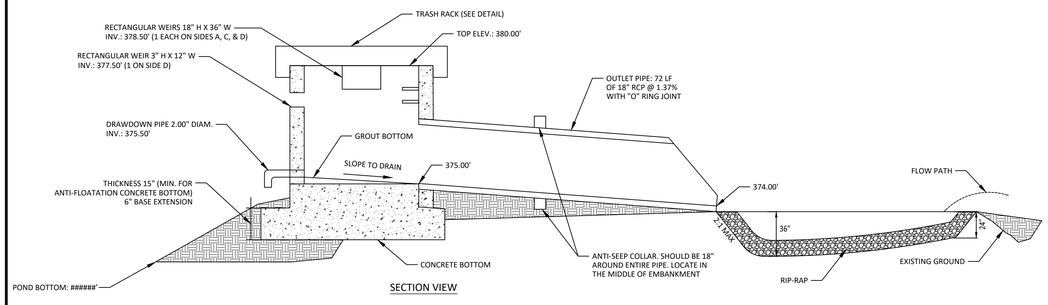

SECTION VIEW

OUTLET STRUCTURE
NTS

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(IN FEET)
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(HERB.)

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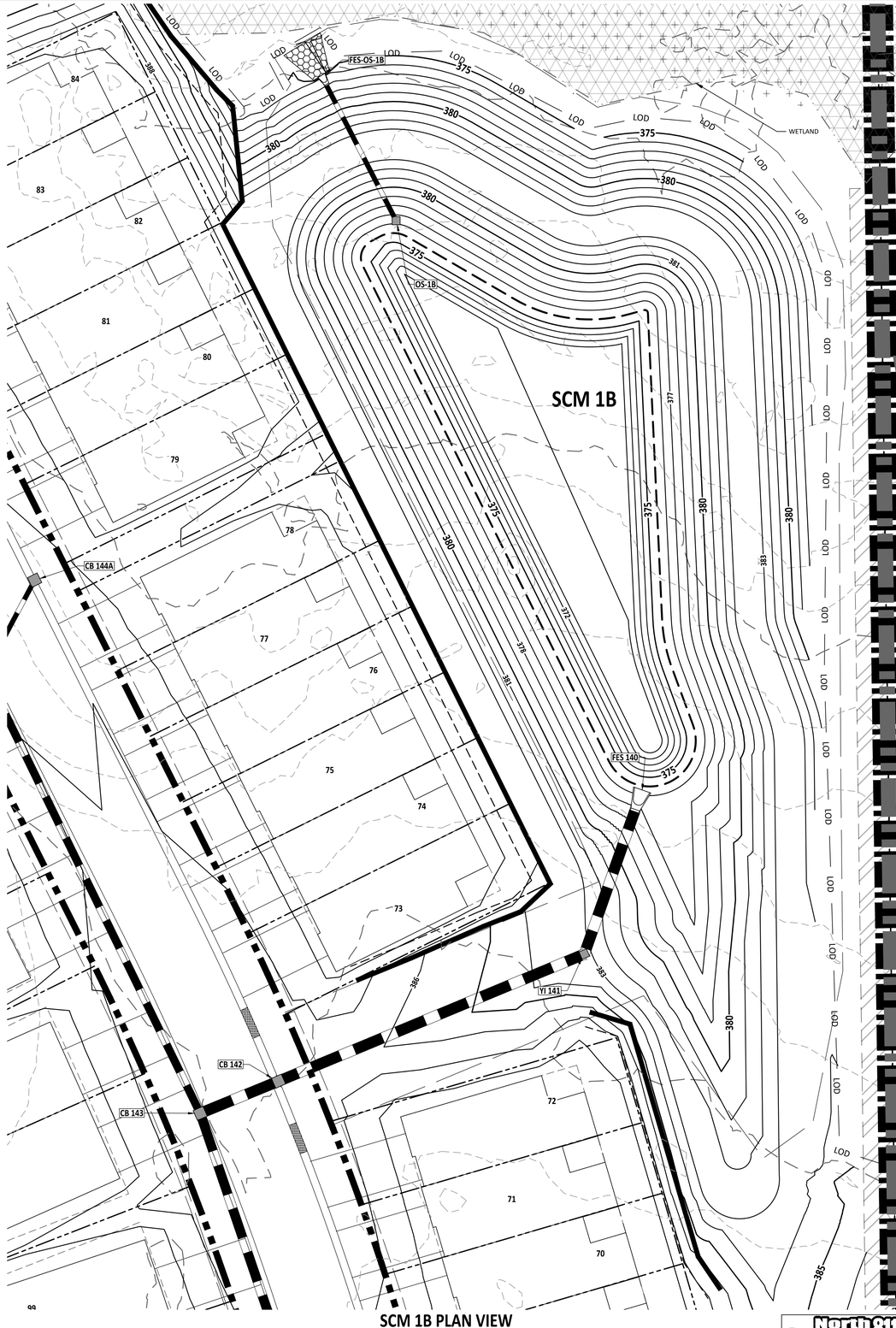

SCM 1B PLAN VIEW

PROJECT NUMBER = CID-25-02

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

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DO NOT USE FOR CONSTRUCTION
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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SCM 1B DETAIL

SHEET NO.:
CG-402

North Carolina 811 It's the Law!
*** 3 Days Before Digging ***
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811 or 1-800-632-4949
Remote Ticket Entry
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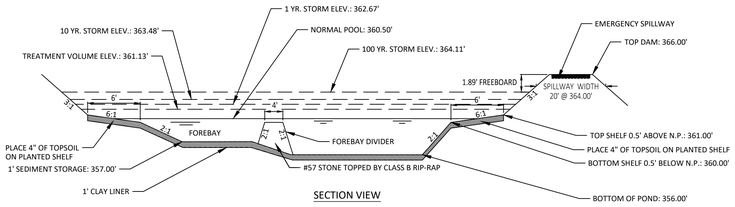
Z:\Jobs\23-0004 Merrit Property (MFD)\wd_Working Dwgs\Sheets\Construction Set\CG_401 SCM 1A-2 Detail.dwg
2025-09-03



SECTION VIEW

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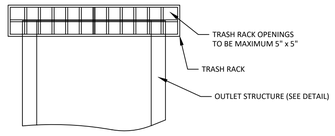
RETENTION POND
NTS



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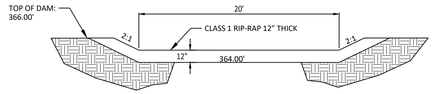
TRASH RACK
NTS



EMERGENCY SPILLWAY SECTION
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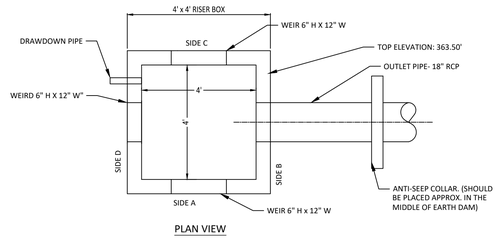

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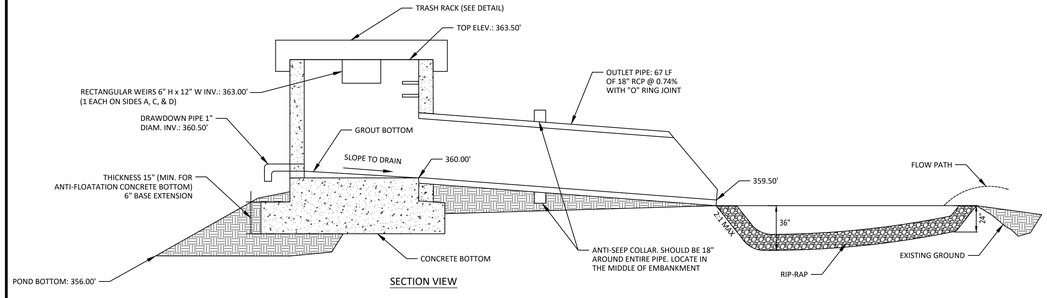
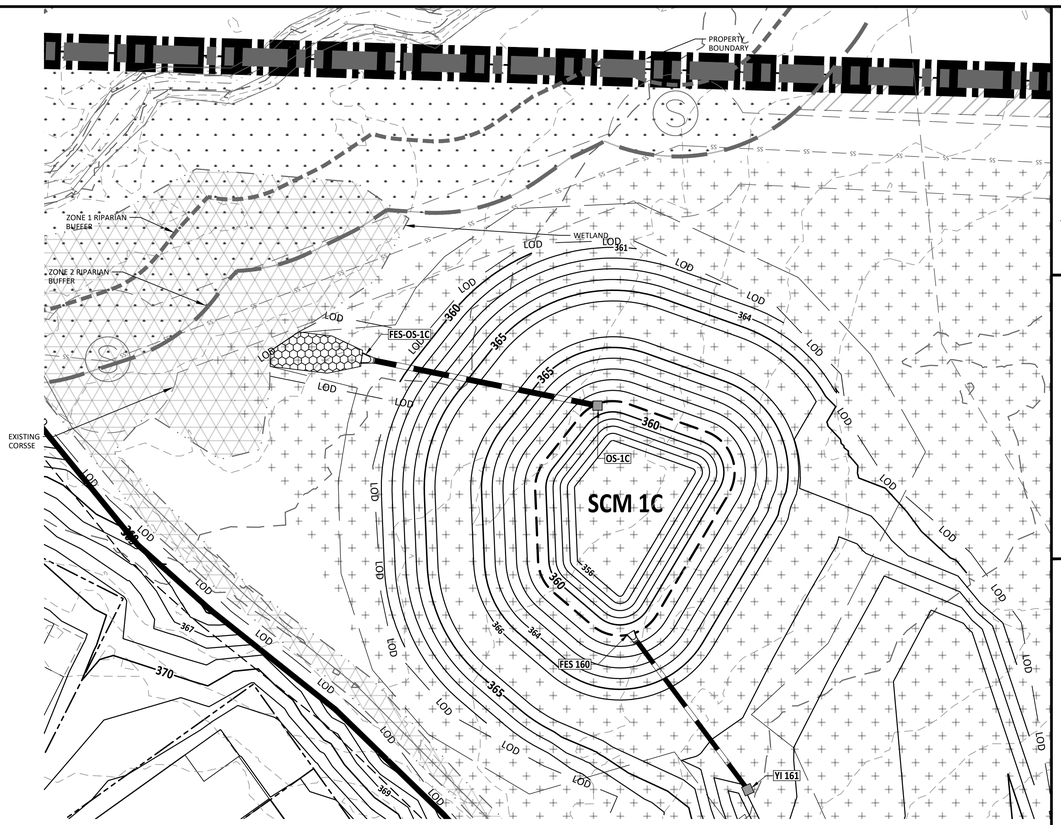


SECTION VIEW

OUTLET STRUCTURE #1C
NTS



SCM 1C PLAN VIEW

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10. UPON CONFIRMATION FROM THE ENGINEER OF RECORD THAT ALL SURFACE AREAS HAVE BEEN MET THE VEGETATE SHELF CAN BE PLANTED AS SHOWN HERE.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20

PLANT LIST VEGETATED SHELF PLANT SCHEDULE:

VEGETATED SHELF
(HERB.)

EF	ELIPATORUIM FISTRULOSUM	JOE PYE WEED	4-6" POT @ 3' SPACING
HC	HIBICUS COCCINEA	SCARLET ROSE MALLOW	4-6" POT @ 3' SPACING
CG	CHELONE GLABRA	WHITE TURTLEHEAD	4-6" POT @ 3' SPACING
LC	LOBELIA CARDINALIS	CARDINAL FLOWER	4-6" POT @ 3' SPACING

LANDSCAPE PLAN:

VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE)
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF

INTERNAL SLOPES ABOVE THE VEGETATIVE SHELF, TOP OF DAM, AND BACK SLOPES SHALL BE STABILIZED WITH A NON-CLUMPING TURF GRASS SUCH AS HYBRID BERMUDA OR CENTIPEDE.

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
JAKOB P. KLEIN 36528 ENGINEER

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

SCM 1C DETAIL

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SCM 1C DETAIL

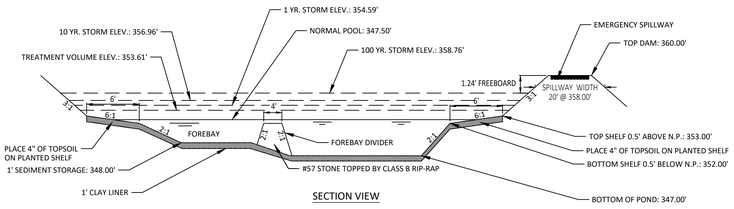
SHEET NO.:

CG-403

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\GS. CG. 401 SCM 1A-2 Detail.dwg

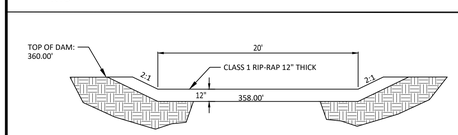
2025-09-03



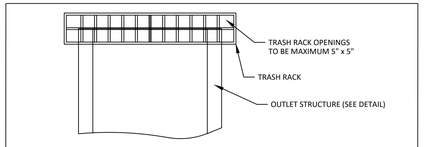
SECTION VIEW

NOTES:
1. FOREBAY DIVIDERS ARE TO BE INSTALLED WHILE CONVERTING FROM SEDIMENT BASIN TO WET POND.

RETENTION POND
NTS



EMERGENCY SPILLWAY SECTION
NTS



NOTES:
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2. TRASH RACK SHALL BE FASTENED TO EACH SIDE OF THE STRUCTURE AT AT LEAST 2 POINTS. IT SHALL BE EASILY REMOVED FOR MAINTENANCE OR ENTRY INTO THE STRUCTURE.
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4. TRASH RACK SHALL BE MADE OF DURABLE MATERIAL WHICH WILL NOT RUST OR DETERIORATE IN SUNLIGHT.
5. TOP OF TRASH RACK SHALL HAVE A GRID OF BARS (MAX. 6"x6").

TRASH RACK
NTS

SCM CONVERSION SEQUENCE

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VEGETATED SHELF (HERB.)
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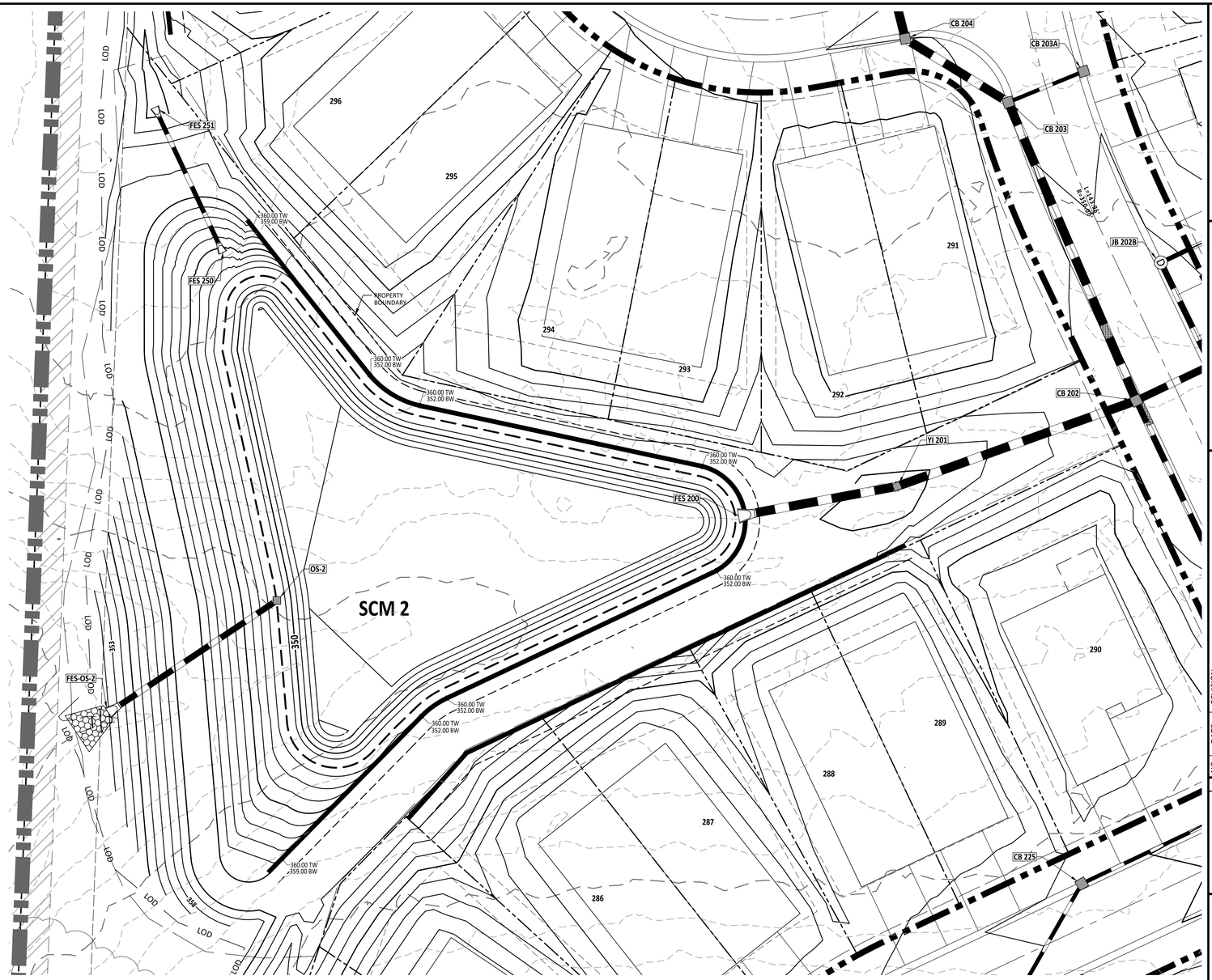
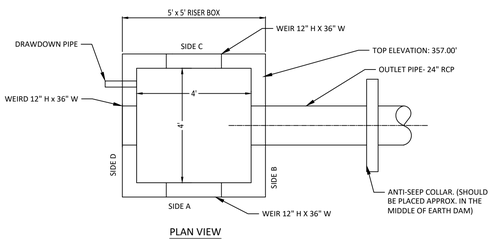


SCM 2 PLAN VIEW



PLAN VIEW

NOTES:
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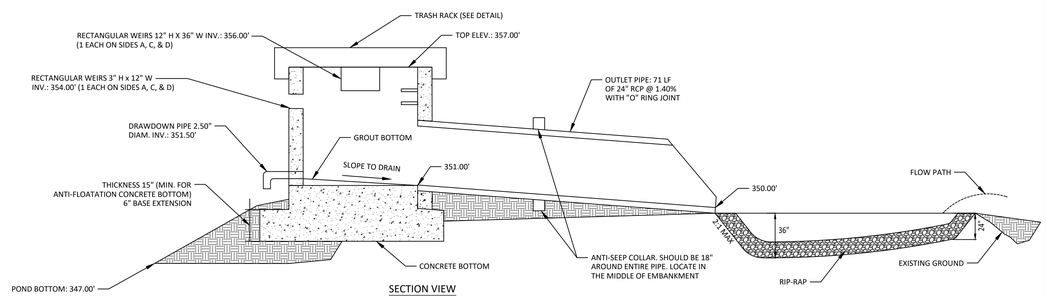

SECTION VIEW

OUTLET STRUCTURE 2
NTS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20

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 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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MERRITT RESERVE

SCM 2 DETAIL

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SCM 2 DETAIL

SHEET NO.:

CG-404

North Carolina 811 811 Before You Dig
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North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
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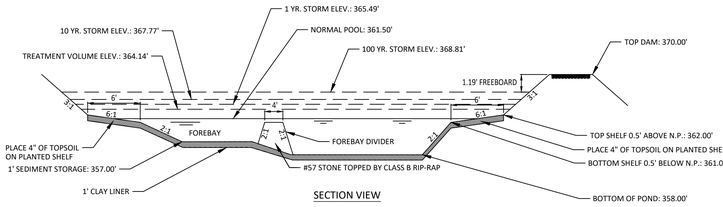
Z:\Jobs\23-0004 Merritt Property (BSP)\Revit_Working Dwgs\Sheets\Construction Set\CG - 401 SCM 1A-2 Detail.dwg
2025-09-03



SECTION VIEW

NOTES:
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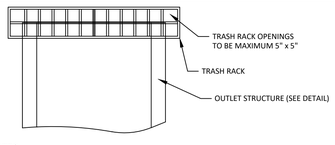
RETENTION POND
NTS



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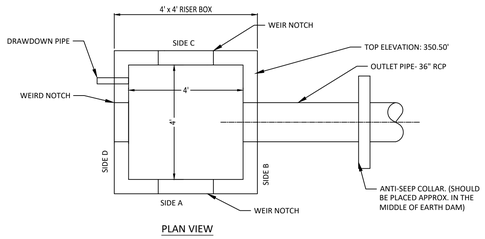
TRASH RACK
NTS



PLAN VIEW

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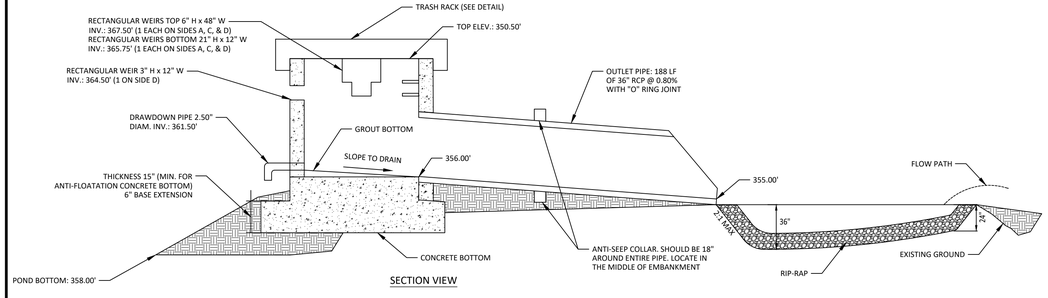

SECTION VIEW

OUTLET STRUCTURE 4
NTS

SCM CONVERSION SEQUENCE

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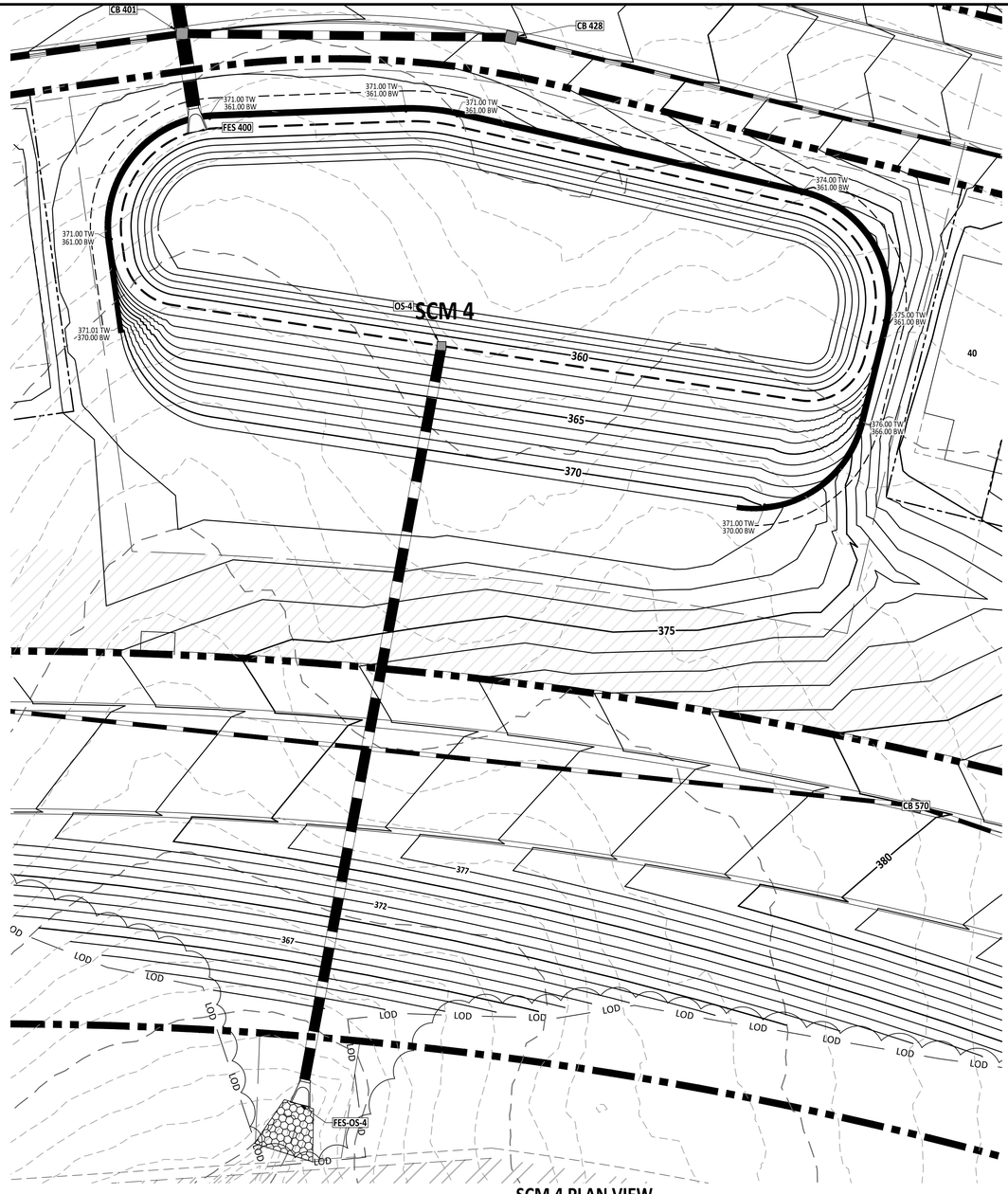

SCM 4 PLAN VIEW

PLANT LIST VEGETATED SHELF PLANT SCHEDULE:

VEGETATED SHELF
(HERB.)

EF	EUPATORUIM FISTRULOSUM	JOE PYE WEED	4-6" POT @ 3' SPACING
HC	HIBICUS COCCINEA	SCARLET ROSE MALLOW	4-6" POT @ 3' SPACING
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GRAPHIC SCALE
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(IN FEET)
1 inch = 20

PROJECT NUMBER = CID-25-02

AMERICAN Engineering
American Engineering Associates - Southeast, P.A.
4020 Westchase Boulevard, Suite 450
Raleigh, NC 27607
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NORTH CAROLINA ENGINEERING CERTIFICATE OF AUTHORIZATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881

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

NO.	DATE	REVISION:
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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

SCM 4 DETAIL

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

SHEET TITLE:

SCM 4 DETAIL

SHEET NO.:
CG-405

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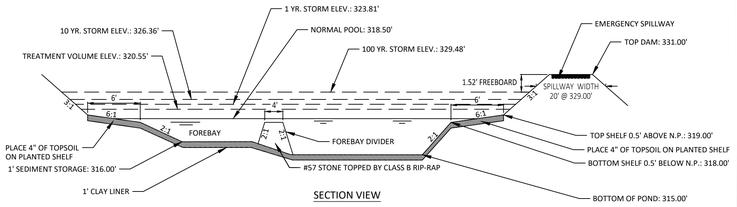
Z:\Jobs\23-0004 Merrit Property $80\dwg_Working Dwgs\Sheet\Construction Set\57 CG- 405 SCM 5A-5C Detail.dwg
2025-09-03



SECTION VIEW

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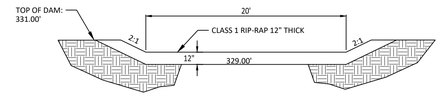
RETENTION POND
NTS



EMERGENCY SPILLWAY SECTION
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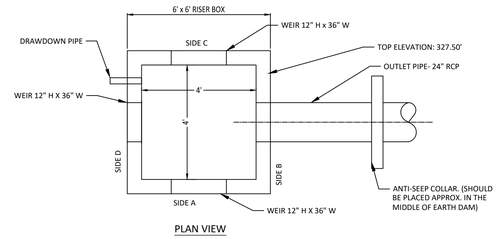

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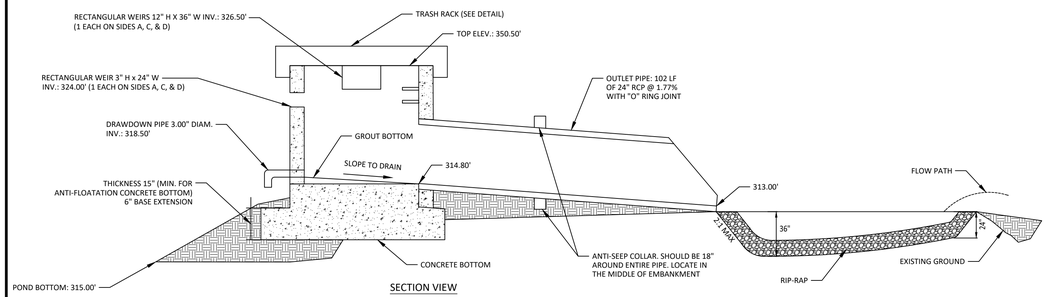
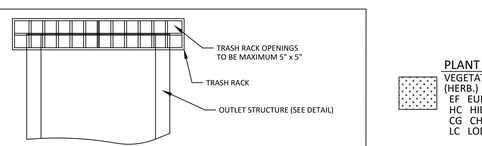


SECTION VIEW

OUTLET STRUCTURE 5A
NTS



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TRASH RACK
NTS

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VEGETATED SHELF (HERB.)

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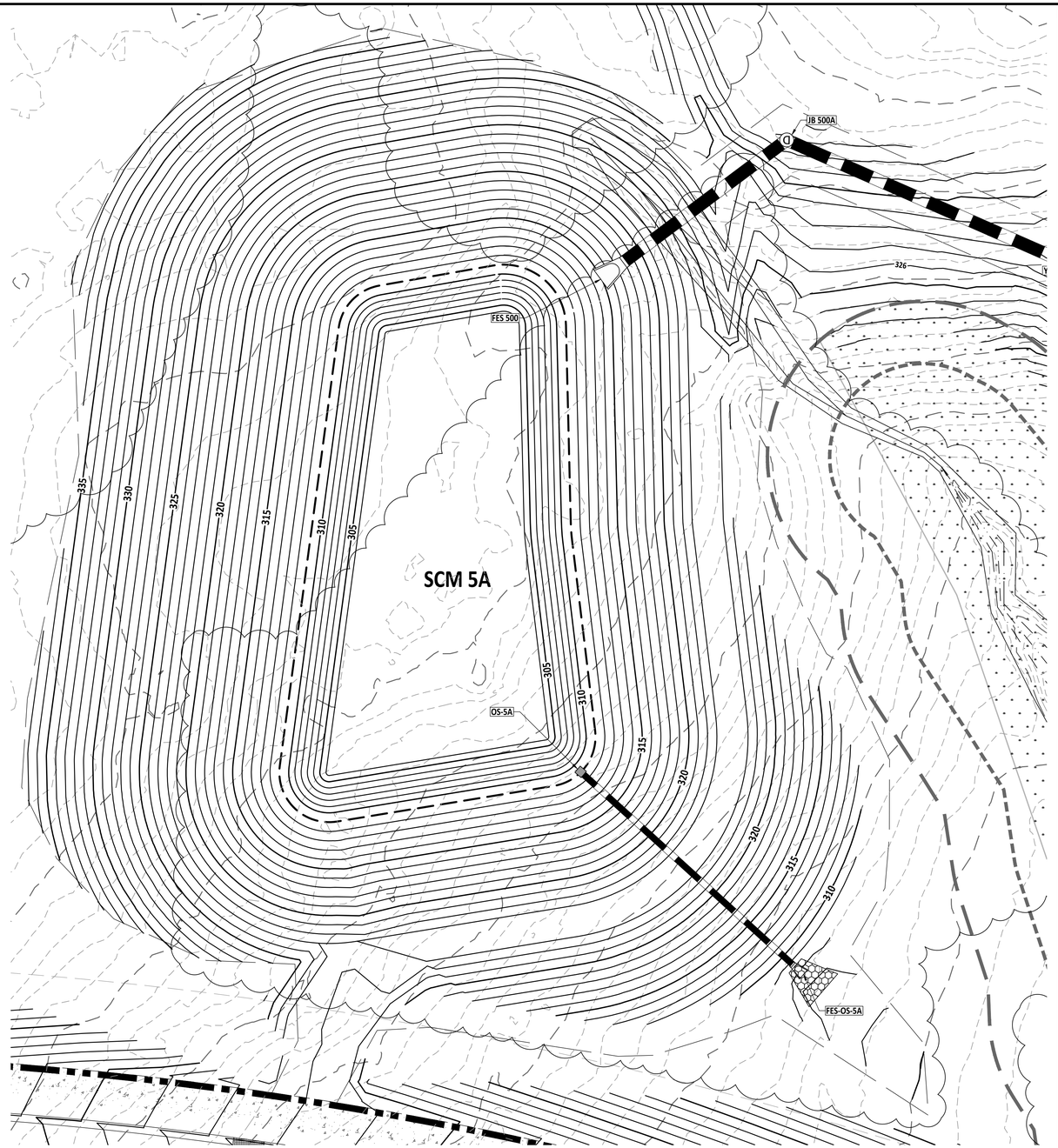

SCM 5A PLAN VIEW

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20

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7. REMOVE SKIMMER AND CLOSE OUTLET VALVE.
8. CONTACT EROSION CONTROL OFFICER FOR APPROVAL.
9. CONTACT A LICENSED SURVEYOR FOR SURVEY OF AS-BUILT CONDITIONS. NOTIFY ENGINEER-OF-RECORD FOR PREPARATION OF AS-BUILT DRAWINGS.
10. UPON CONFIRMATION FROM THE ENGINEER OF RECORD THAT ALL SURFACE AREAS HAVE BEEN MET THE VEGETATE SHELF CAN BE PLANTED AS SHOWN HERE.

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 PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEIN

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SCM 5A DETAIL

SHEET NO.:

CG-406

T:\Job\23-0004 Merritt Property 880\dwg\...\Working Dwgs\Sheet\Construction Set\57 CG- 405 SCM 5A-5C Detail.dwg
2025-09-03

NOTES:
1. WALL THICKNESS AND REINFORCEMENT TO BE DETERMINED BY PRECAST CONCRETE MANUFACTURER.
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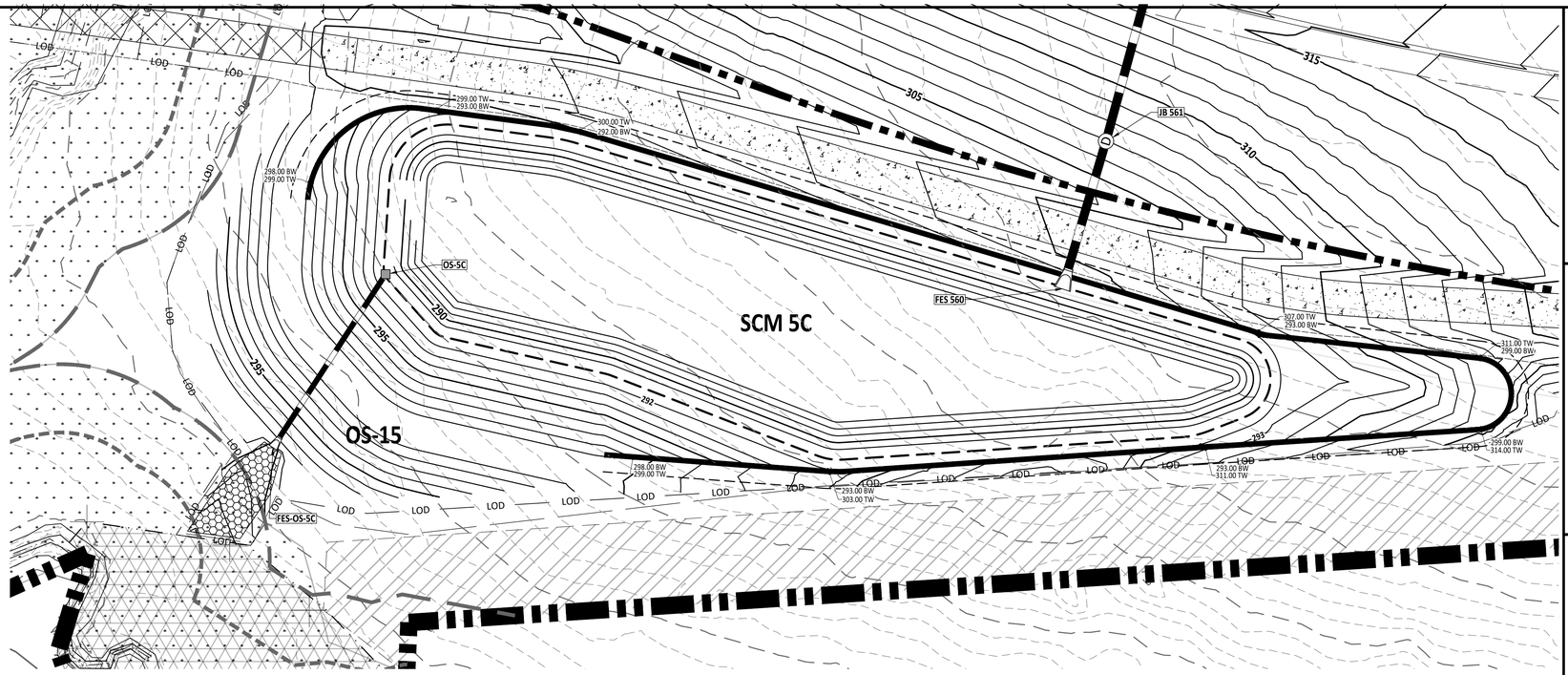
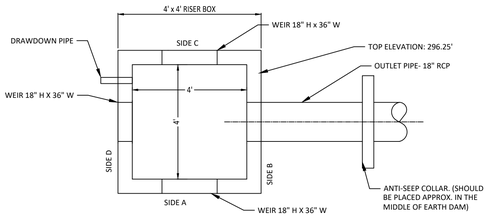
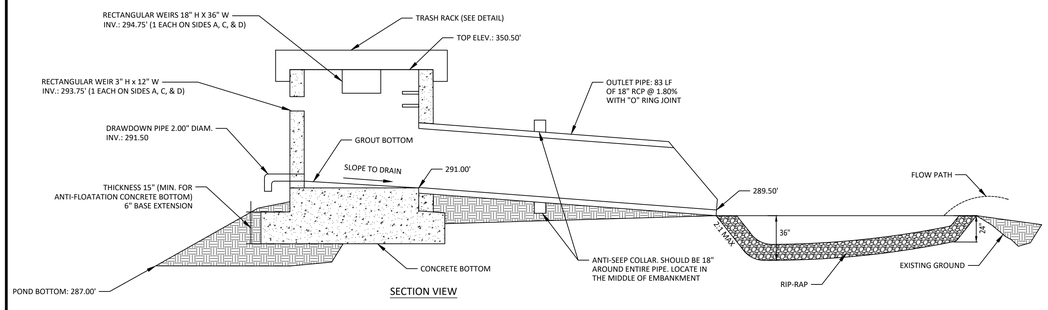
4. TREATMENT OUTLET PIPE SHALL NOT BE PVC BUT OTHER MATERIAL SUCH AS GSP WHICH IS NOT SUBJECT TO DETERIORATION IN SUNLIGHT.



SCM 5C PLAN VIEW

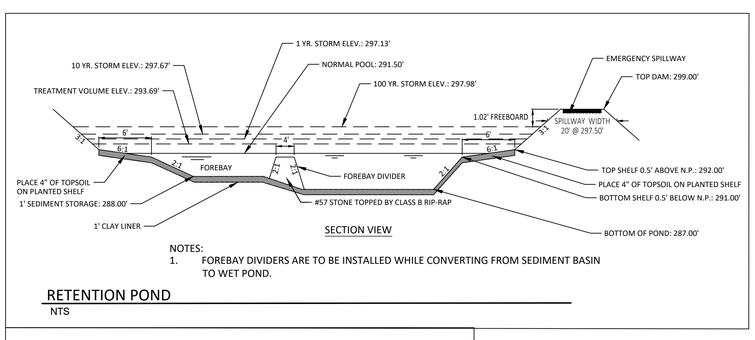


PLAN VIEW



SECTION VIEW

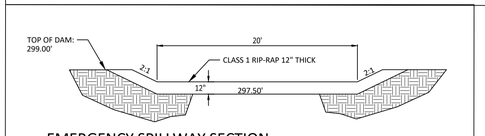
OUTLET STRUCTURE 5C
NTS



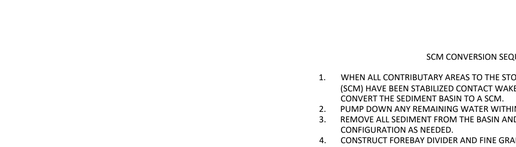
SECTION VIEW

NOTES:
1. FOREBAY DIVIDERS ARE TO BE INSTALLED WHILE CONVERTING FROM SEDIMENT BASIN TO WET POND.

RETENTION POND
NTS



EMERGENCY SPILLWAY SECTION
NTS



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TRASH RACK
NTS

SCM CONVERSION SEQUENCE

1. WHEN ALL CONTRIBUTARY AREAS TO THE STORMWATER CONTROL MEASURE (SCM) HAVE BEEN STABILIZED CONTACT WAKE COUNTY FOR PERMISSION TO CONVERT THE SEDIMENT BASIN TO A SCM.
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PLANT LIST VEGETATED SHELF PLANT SCHEDULE:

VEGETATED SHELF
(HERB.)

EF	EUPATORUIM FISTRULOSUM	JOE PYE WEED	4-6" POT @ 3' SPACING
HC	HIBICUS COCCINEA	SCARLET ROSE MALLOW	4-6" POT @ 3' SPACING
CG	CHELONE GLABRA	WHITE TURTLEHEAD	4-6" POT @ 3' SPACING
LC	LOBELIA CARDINALIS	CARDINAL FLOWER	4-6" POT @ 3' SPACING

LANDSCAPE PLAN:

VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE)
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF

INTERNAL SLOPES ABOVE THE VEGETATIVE SHELF, TOP OF DAM, AND BACK SLOPES SHALL BE STABILIZED WITH A NON-CLUMPING TURF GRASS SUCH AS HYBRID BERMUDA OR CENTIPEDE.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20

PROJECT NUMBER = CID-25-02

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

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MERRITT RESERVE
SCM 5C DETAIL
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
SCM 5C DETAIL

SHEET NO.:
CG-407

North Carolina 811
*** 3 Days Before Digging ***
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811 or 1-800-632-4949
Remote Ticket Entry
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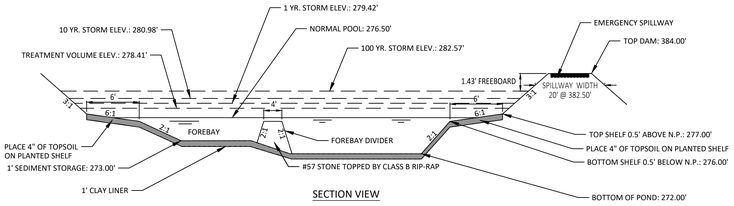
Z:\Jobs\23-0004 Merritt Property (BRO)\dwg_Working Dwgs\Sheets\Construction Set\57- CG- 405 SCM 5A-5C Detail.dwg
2025-09-03



SECTION VIEW

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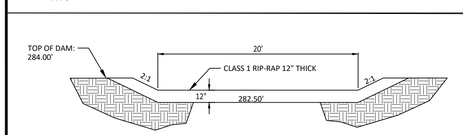
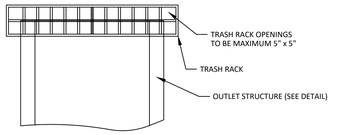
RETENTION POND
NTS



EMERGENCY SPILLWAY SECTION
NTS



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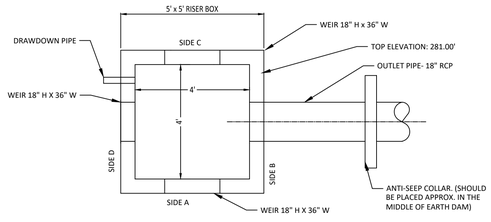
TRASH RACK
NTS



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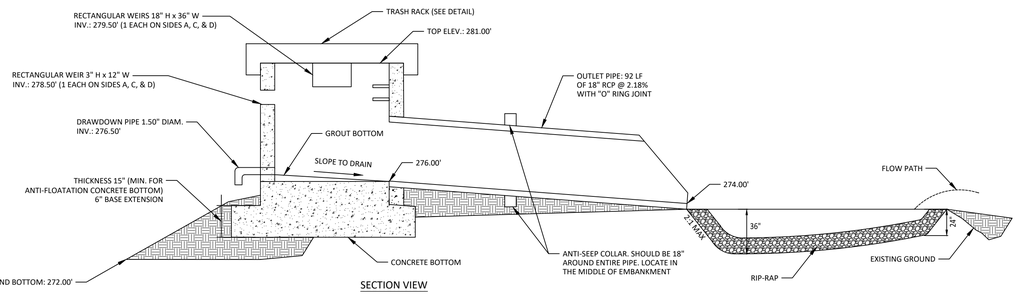
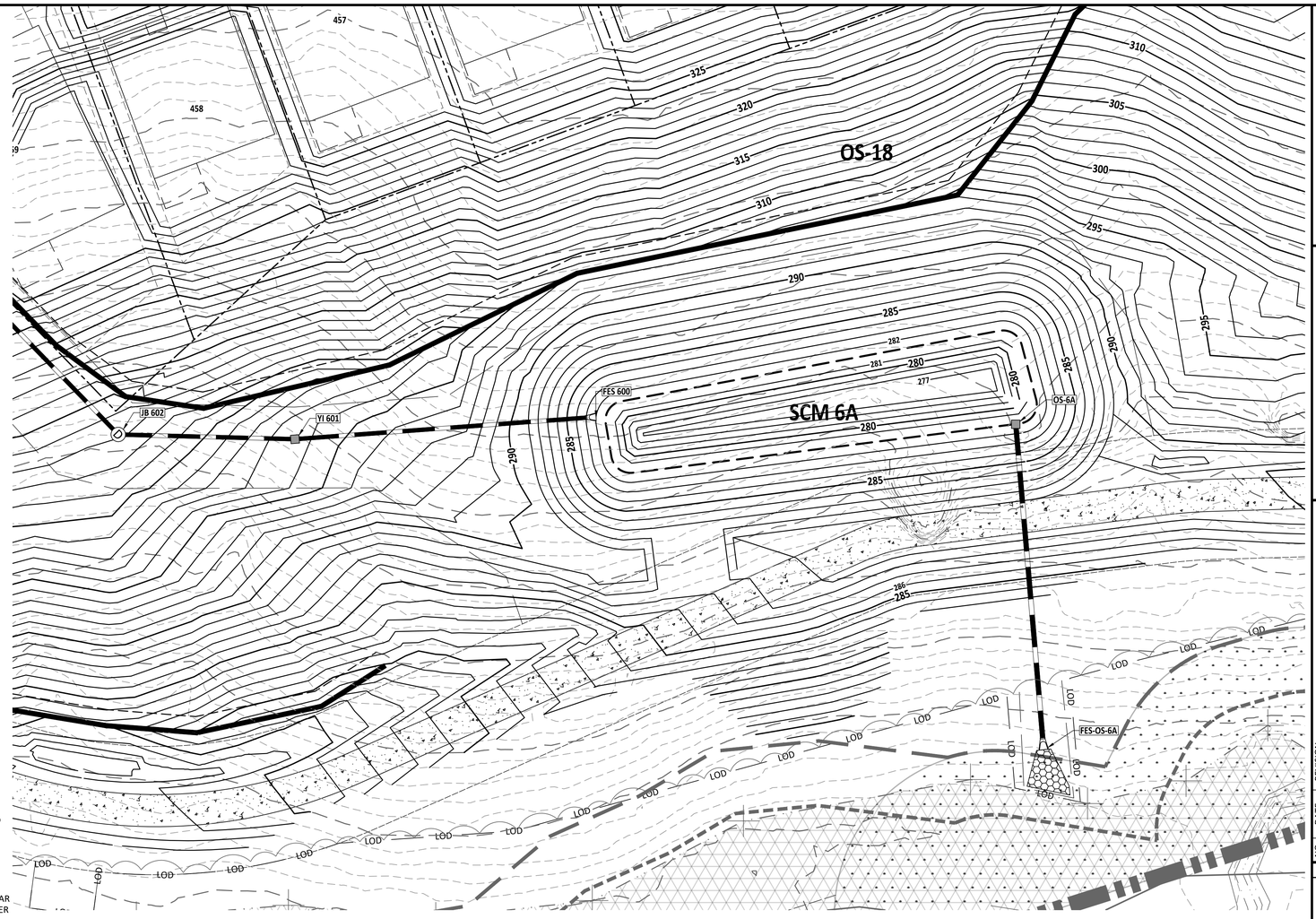


SECTION VIEW

OUTLET STRUCTURE 6A
NTS



SCM 6A PLAN VIEW

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GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20

PLANT LIST VEGETATED SHELF PLANT SCHEDULE:

VEGETATED SHELF (HERB.)

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PROJECT NUMBER = CID-25-02

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

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

PRELIMINARY
NOT FOR CONSTRUCTION

NORTH CAROLINA 36528 REGISTERED PROFESSIONAL ENGINEER JAKOB P. KLEIN

PRELIMINARY
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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

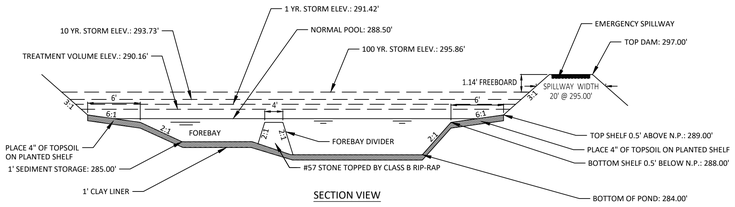
SCM 6A DETAIL

SHEET NO.:

CG-408

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 (MFO)\dwg_Working Dwgs\Sheets\Construction Set\SCM 6A-7 Detail.dwg
2025-09-03



SECTION VIEW

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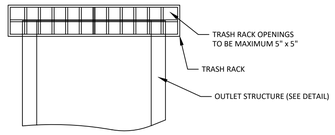
RETENTION POND
NTS



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TRASH RACK
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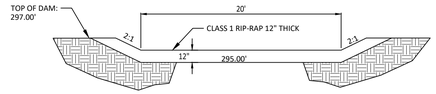
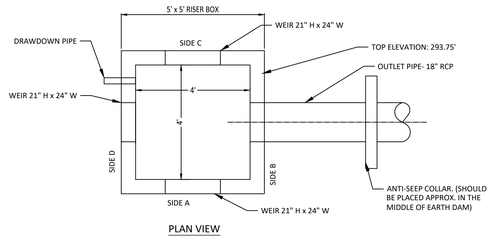


EMERGENCY SPILLWAY SECTION
NTS



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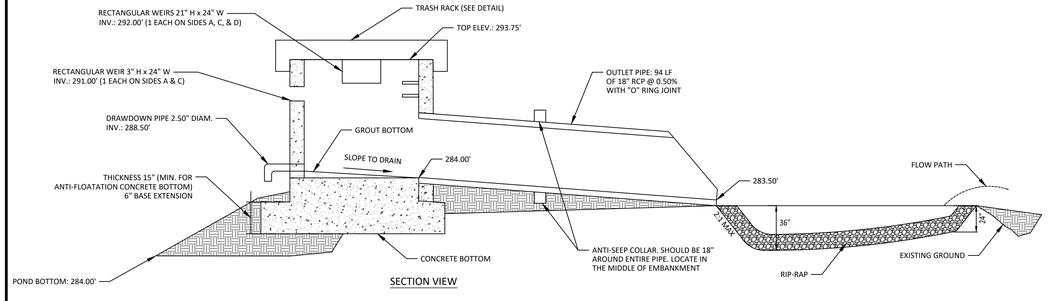
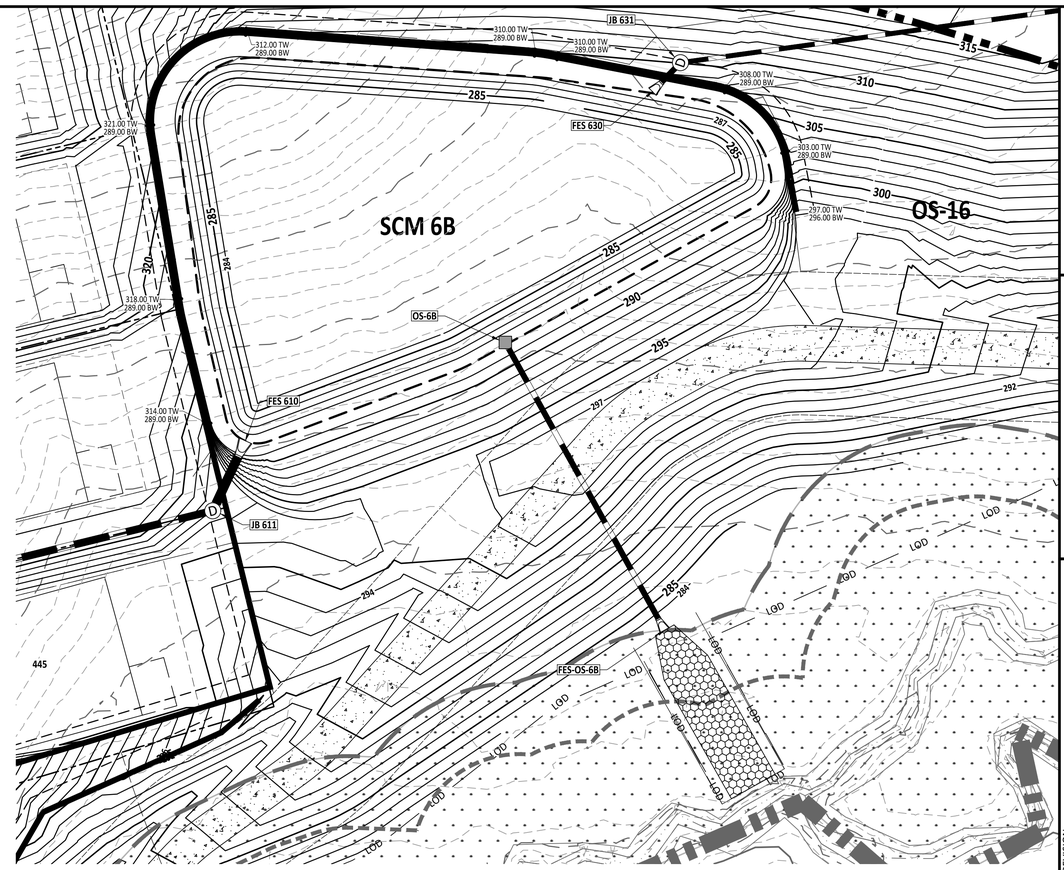


SECTION VIEW

OUTLET STRUCTURE 6B
NTS



SCM 6B PLAN VIEW

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VEGETATED SHELF
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HC	HIBICUS COCCINEA	SCARLET ROSE MALLOW	4-6" POT @ 3' SPACING
CG	CHELONE GLABRA	WHITE TURTLEHEAD	4-6" POT @ 3' SPACING
LC	LOBELIA CARDINALIS	CARDINAL FLOWER	4-6" POT @ 3' SPACING

LANDSCAPE PLAN:

VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE)
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF

INTERNAL SLOPES ABOVE THE VEGETATIVE SHELF, TOP OF DAM, AND BACK SLOPES SHALL BE STABILIZED WITH A NON-CLUMPING TURF GRASS SUCH AS HYBRID BERMUDA OR CENTIPEDE.

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

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
2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

STIPULATION FOR REUSE

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MERRITT RESERVE

SCM 6B DETAIL

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SCM 6B DETAIL

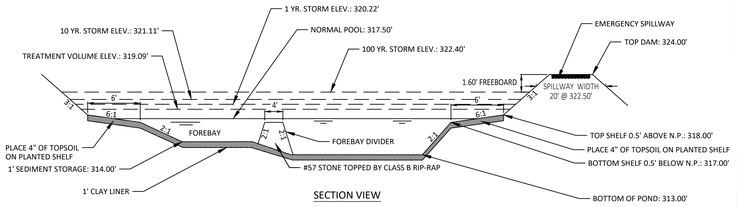
SHEET NO.:

CG-409

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\SB, CG -409 SCM 6A-7 Detail.dwg

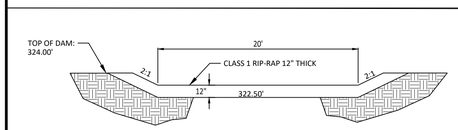
2025-09-03



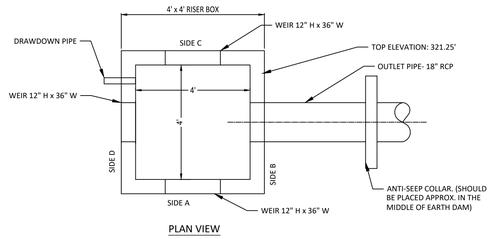
SECTION VIEW

NOTES:
1. FOREBAY DIVIDERS ARE TO BE INSTALLED WHILE CONVERTING FROM SEDIMENT BASIN TO WET POND.

RETENTION POND
NTS

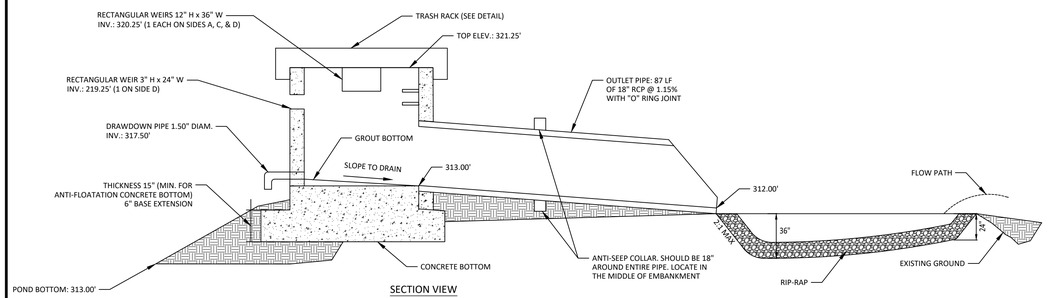


EMERGENCY SPILLWAY SECTION
NTS



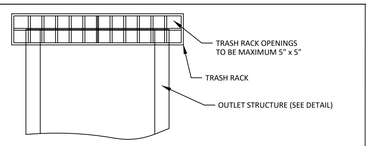
PLAN VIEW

NOTES:
1. WALL THICKNESS AND REINFORCEMENT TO BE DETERMINED BY PRECAST CONCRETE MANUFACTURER.
2. OUTLET STRUCTURE ELEVATIONS SHOWN ON THE DETAILS ON THIS SHEET ARE CRITICAL AND MUST BE WITHIN 0.02' OF THAT SHOWN. IF OUTLET STRUCTURES ARE PRE-CAST OFF-SITE, THE HOLE FOR THE OUTLET PIPE SHALL BE ENLARGED TO ALLOW UP TO 0.3' OF VERTICAL MOVEMENT. WHEN INSTALLED, THE EXCESS OPENING SHALL BE FILLED WITH GROUT.
3. OUTLET PIPES SHALL HAVE AN ANTI-SEEP COLLAR OF CONCRETE LOCATED APPROXIMATELY UNDER THE MIDDLE OF THE DAM IN WHICH IT IS LOCATED. IT SHALL CONSIST OF CONCRETE POURED AROUND THE PIPE IN A VERTICAL DIRECTION. THE COLLAR SHALL BE A SQUARE 8" THICK AND SHALL EXTEND 18" BEYOND THE OUTSIDE OF THE PIPE IN EACH DIRECTION.
4. TREATMENT OUTLET PIPE SHALL NOT BE PVC BUT OTHER MATERIAL SUCH AS GSP WHICH IS NOT SUBJECT TO DETERIORATION IN SUNLIGHT.



SECTION VIEW

OUTLET STRUCTURE 7
NTS



NOTES:
1. TRASH RACK SHALL BE 6" CLEAR OF STRUCTURE TOP AND SIDES. THE TRASH RACK NEED NOT COVER THE TREATMENT OUTLET PIPE.
2. TRASH RACK SHALL BE FASTENED TO EACH SIDE OF THE STRUCTURE AT AT LEAST 2 POINTS. IT SHALL BE EASILY REMOVED FOR MAINTENANCE OR ENTRY INTO THE STRUCTURE.
3. TRASH RACK SHALL ACCOMMODATE VALVE SHAFT THOUGH AN OPENING.
4. TRASH RACK SHALL BE MADE OF DURABLE MATERIAL WHICH WILL NOT RUST OR DETERIORATE IN SUNLIGHT.
5. TOP OF TRASH RACK SHALL HAVE A GRID OF BARS (MAX. 6"x6").

TRASH RACK
NTS

SCM 7 PLAN VIEW

SCM CONVERSION SEQUENCE

1. WHEN ALL CONTRIBUTARY AREAS TO THE STORMWATER CONTROL MEASURE (SCM) HAVE BEEN STABILIZED CONTACT WAKE COUNTY FOR PERMISSION TO CONVERT THE SEDIMENT BASIN TO A SCM.
2. PUMP DOWN ANY REMAINING WATER WITHIN BASIN THROUGH A SILT BAG.
3. REMOVE ALL SEDIMENT FROM THE BASIN AND RESTORE GRADES TO DESIGNED CONFIGURATION AS NEEDED.
4. CONSTRUCT FOREBAY DIVIDER AND FINE GRADE FOREBAY TO BOTTOM ELEVATION PER AS SHOWN HERE.
5. MAKE ANY REPAIRS, ETC. NECESSARY TO THE OUTLET STRUCTURE, OUTLET PIPE ENSURING THAT ALL JOINTS ARE PROPERLY SEALED.
6. EXAMINE EMERGENCY OVERFLOW AND RIP-RAP OUTLET TO SEE IF REFRESHING OR CLEANING OF ROCK IS NECESSARY.
7. REMOVE SKIMMER AND CLOSE OUTLET VALVE.
8. CONTACT EROSION CONTROL OFFICER FOR APPROVAL.
9. CONTACT A LICENSED SURVEYOR FOR SURVEY OF AS-BUILT CONDITIONS. NOTIFY ENGINEER-OF-RECORD FOR PREPARATION OF AS-BUILT DRAWINGS.
10. UPON CONFIRMATION FROM THE ENGINEER OF RECORD THAT ALL SURFACE AREAS HAVE BEEN MET THE VEGETATE SHELF CAN BE PLANTED AS SHOWN HERE.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20

PLANT LIST VEGETATED SHELF PLANT SCHEDULE:

VEGETATED SHELF
(HERB.)
EF EUPATORUIM FISTRULOSUM JOE PYE WEED 4-6" POT @ 3' SPACING
HC HIBICUS COCCINEA SCARLET ROSE MALLOW 4-6" POT @ 3' SPACING
CG CHELONE GLABRA WHITE TURTLEHEAD 4-6" POT @ 3' SPACING
LC LOBELIA CARDINALIS CARDINAL FLOWER 4-6" POT @ 3' SPACING

LANDSCAPE PLAN:

VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE)
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF

INTERNAL SLOPES ABOVE THE VEGETATIVE SHELF, TOP OF DAM, AND BACK SLOPES SHALL BE STABILIZED WITH A NON-CLUMPING TURF GRASS SUCH AS HYBRID BERMUDA OR CENTIPEDE.

PROJECT NUMBER = CID-25-02

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

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

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

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

STIPULATION FOR REUSE

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MERRITT RESERVE
SCM 7 DETAIL
ROLESVILLE RD
WAKE COUNTY NC 27312

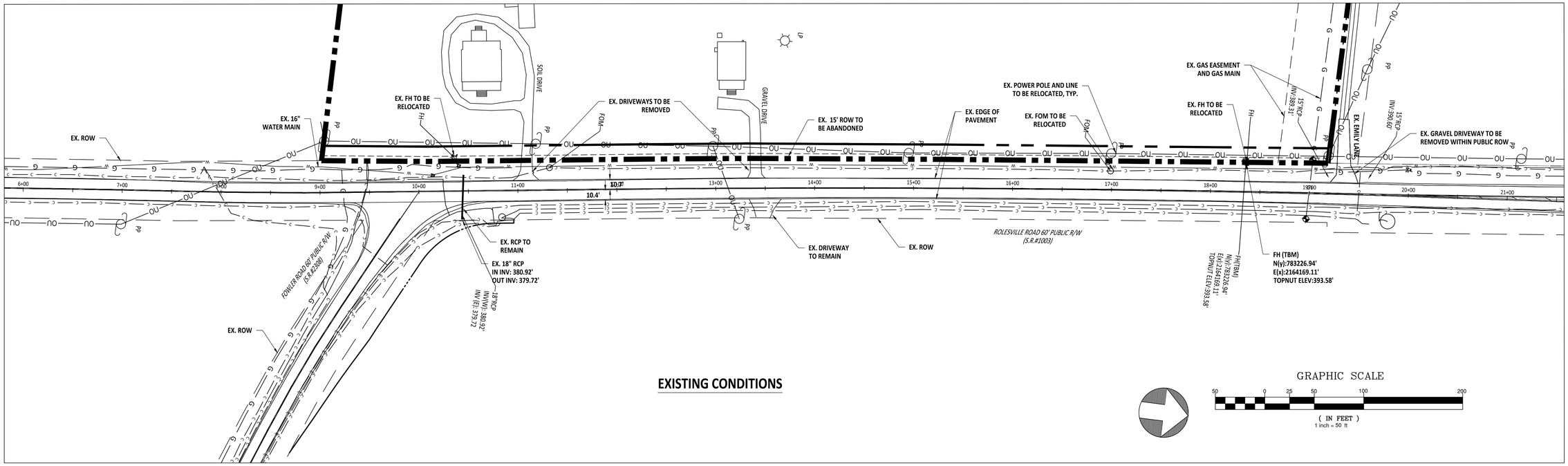
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

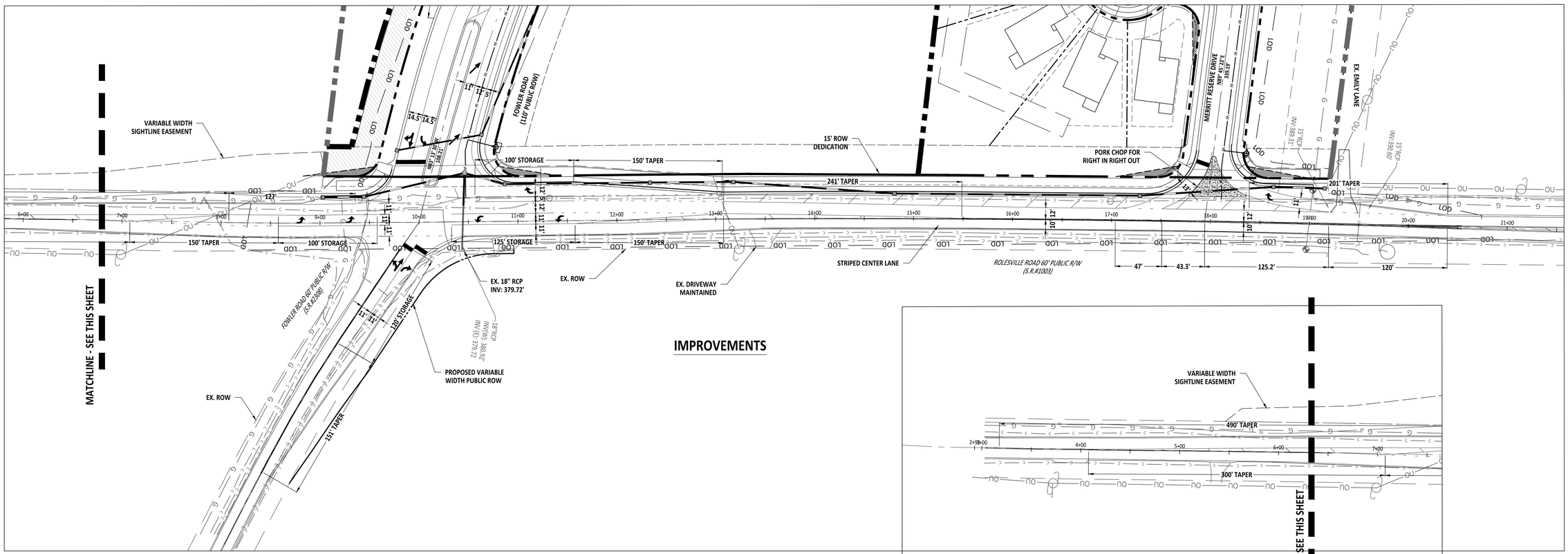
SHEET TITLE:
SCM 7 DETAIL

SHEET NO.:
CG-410

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:\Job\23-0004 Merritt Property @RO\dwg_Working Dwgs\Sheets\Construction Set\SCM 7 Detail.dwg
2025-09-03





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 36528 JAKOB P. KLEIN

PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

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MERRITT RESERVE

ROLESVILLE ROAD IMPROVEMENT PLAN

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
ROLESVILLE ROAD IMPROVEMENT PLAN

SHEET NO.:
CT-100

North Carolina 811 one call

*** 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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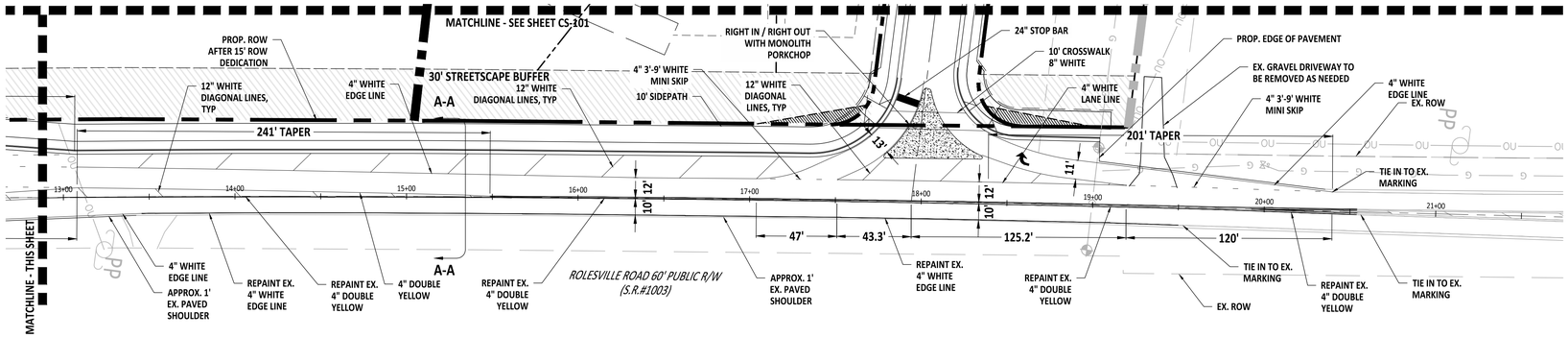
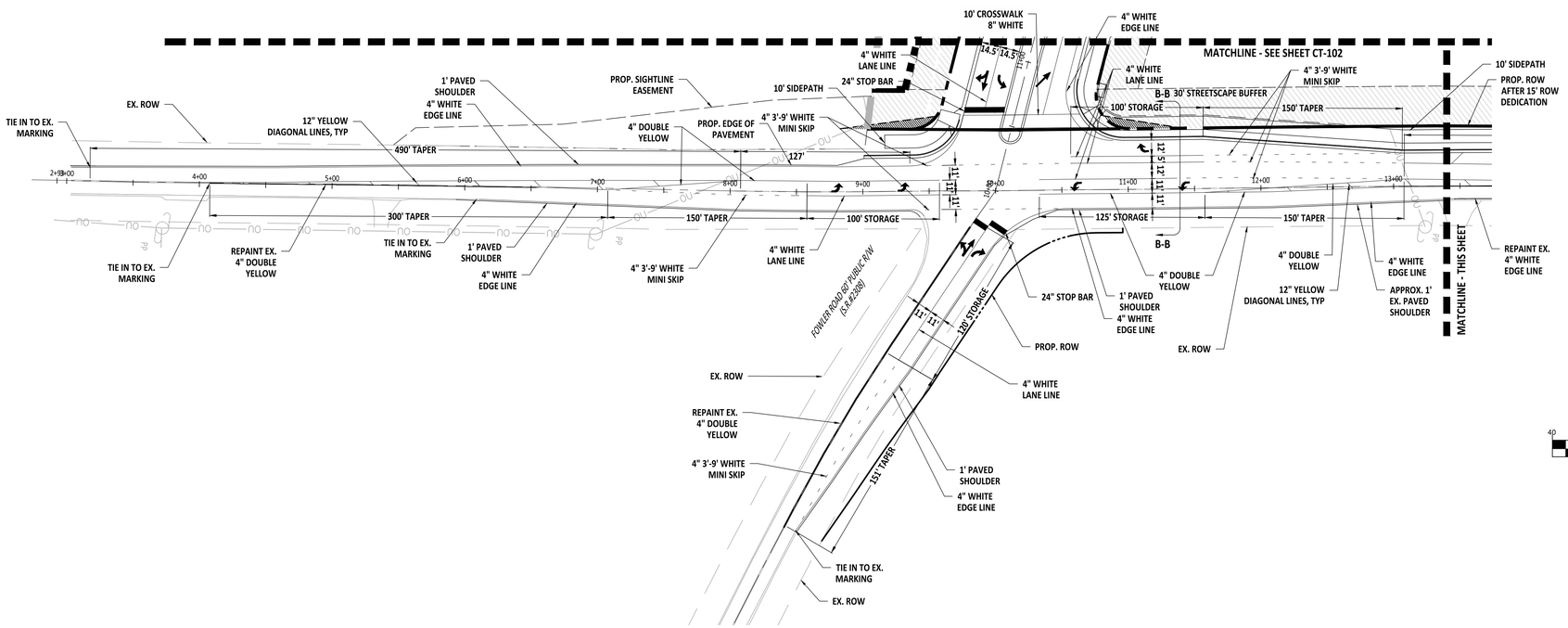
2025-09-03

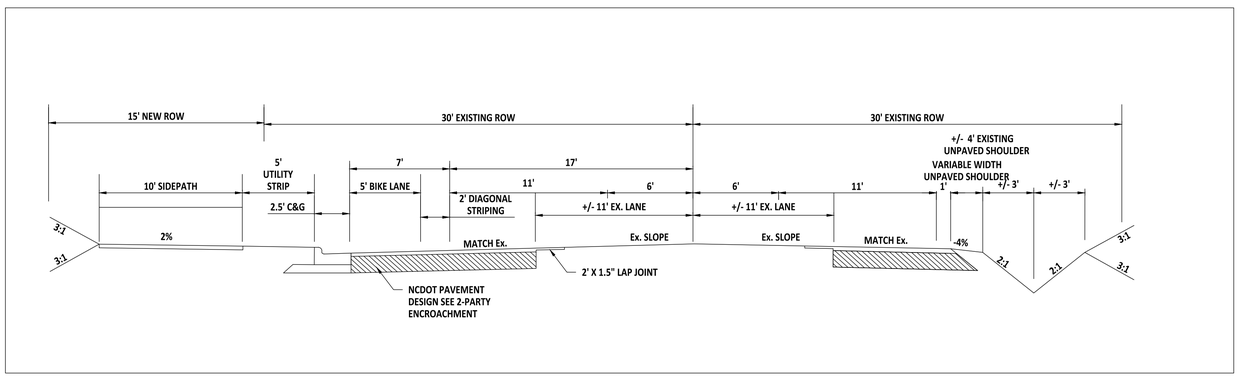




GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft



ROLESVILLE ROAD TYPICAL SECTION A-A
NTS

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
ROLESVILLE ROAD STRIPING PLAN
ROLESVILLE RD
WAKE COUNTY NC 27312

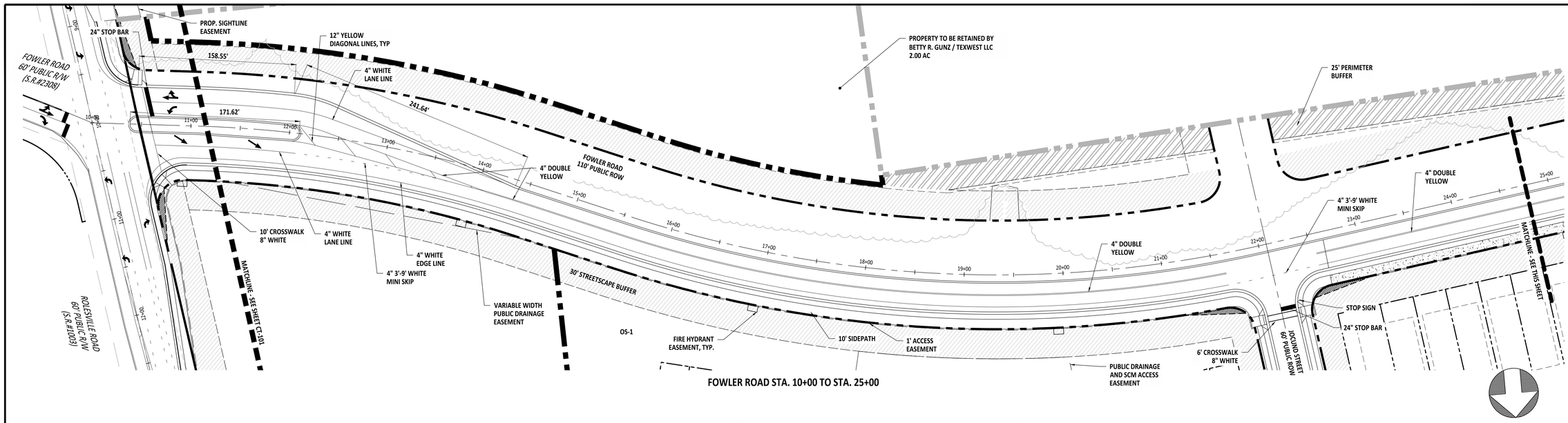
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
ROLESVILLE ROAD STRIPING PLAN

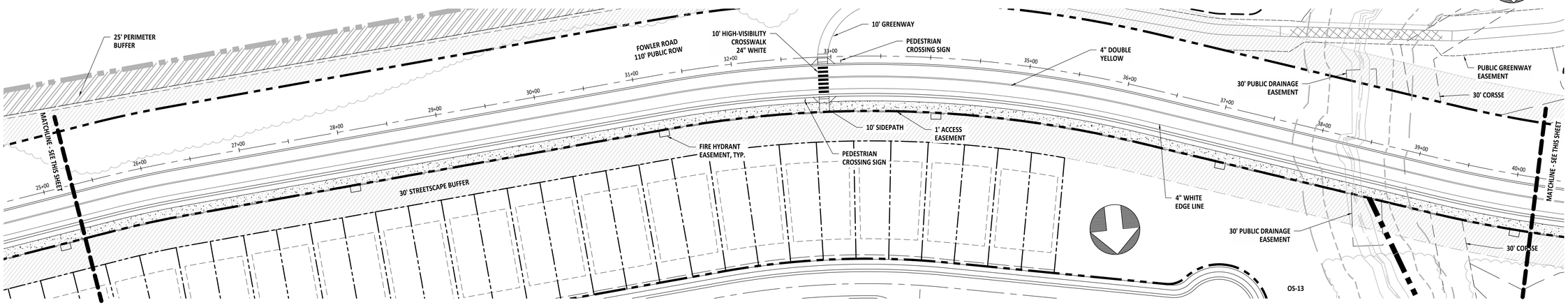
SHEET NO.:
CT-101

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

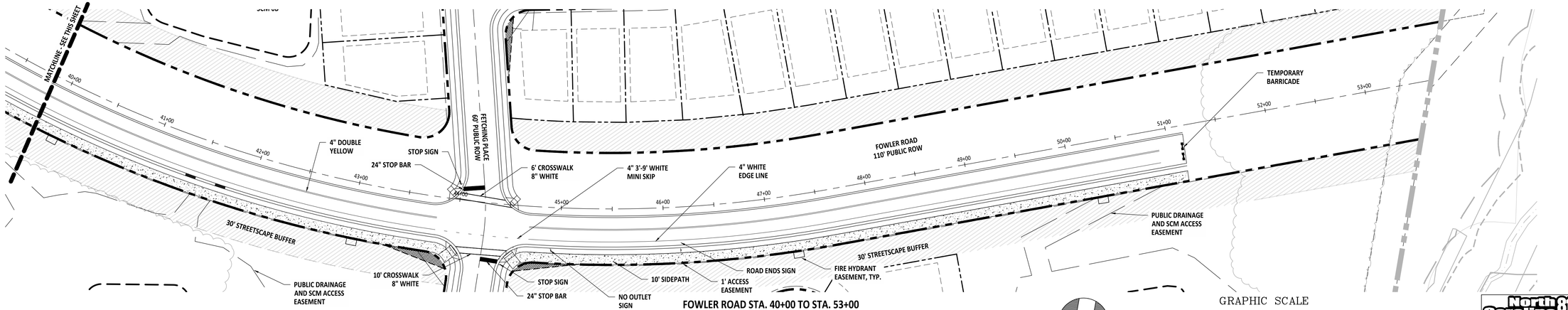
Z:\Jobs\23-0004 Merritt Property (RBP)\Dwg_Working Dwgs\Sheets\Construction Set\CD_CT-100 Striping Plan.dwg
2025-09-03



FOWLER ROAD STA. 10+00 TO STA. 25+00



FOWLER ROAD STA. 25+00 TO STA. 40+00



FOWLER ROAD STA. 40+00 TO STA. 53+00

NOTE: SEE SHEET CS-120 FOR SIGNAGE AND BARRICADE DETAILS

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

PROJECT NUMBER = CID-25-02

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

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

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

FOR INFORMATION, ONLY

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MERRITT RESERVE
FOWLER ROAD STRIPING PLAN
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

FOWLER ROAD STRIPING PLAN

SHEET NO.:
CT-102

North Carolina 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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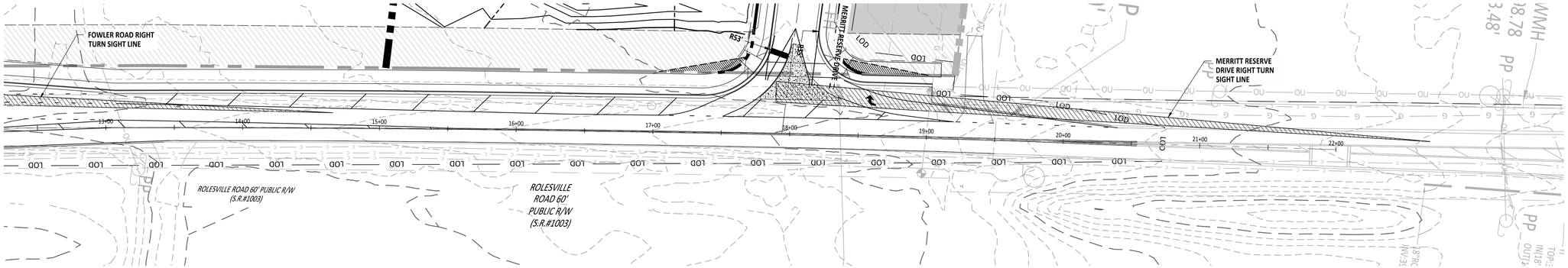
2025-09-03



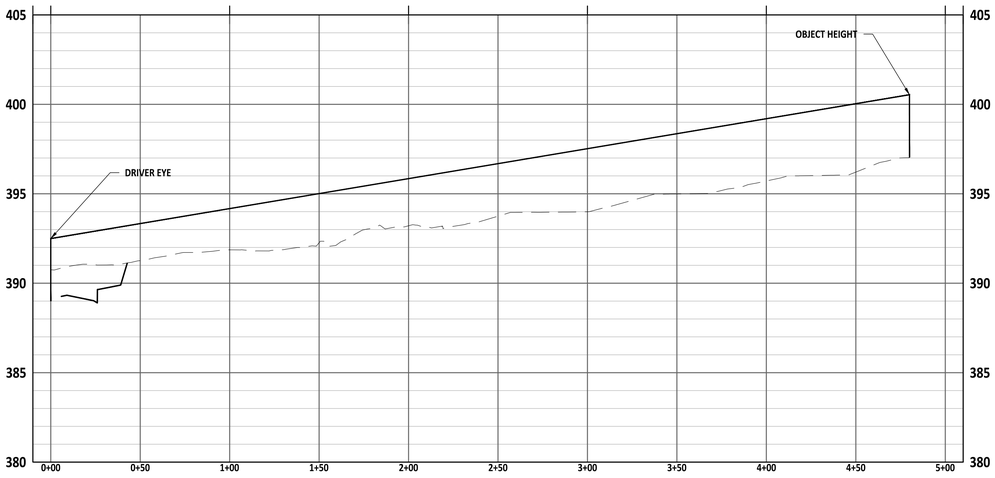
MERRITT RESERVE DRIVE & ROLESVILLE RD INTERSECTION SIGHT LINE PLAN

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = ft 40



MERRITT RESERVE DRIVE RIGHT TURN LOOKING LEFT SIGHT LINE PROFILE

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 16528 PROFESSIONAL ENGINEER JAKOB P. KLEIN

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION

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MERRITT RESERVE

FOWLER ROAD SIGHT PLAN & PROFILE

ROLESVILLE RD

WAKE COUNTY NC 27312

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

SHEET TITLE:

FOWLER ROAD SIGHT PLAN & PROFILE

SHEET NO.:

CT-200

North Carolina 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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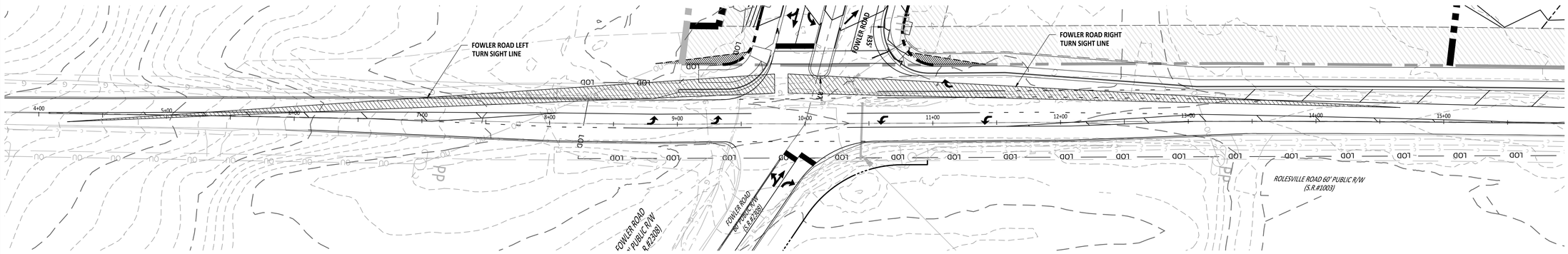
2025-09-03

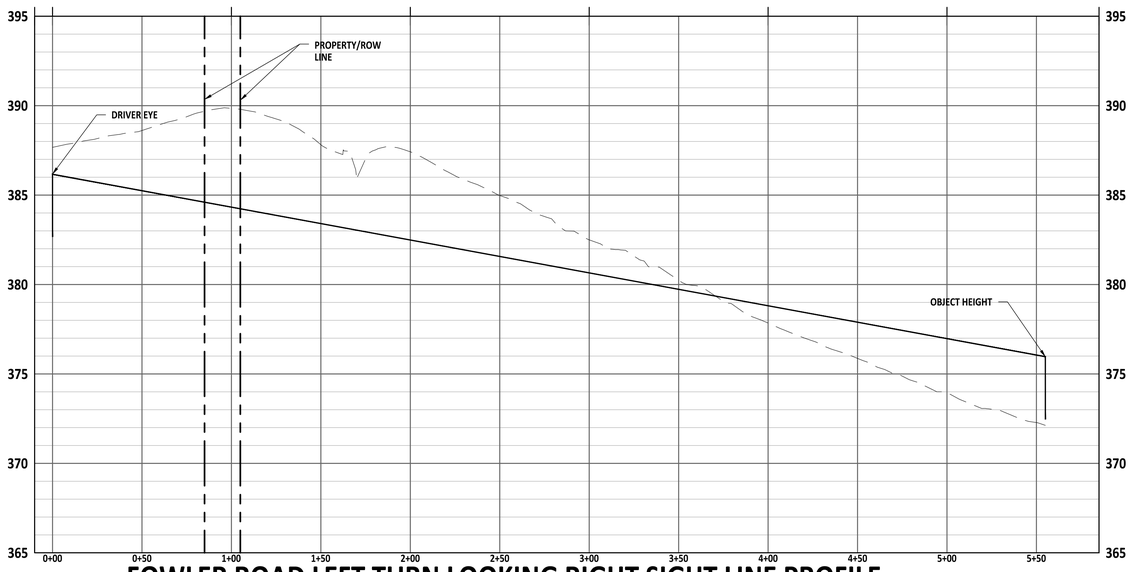


FOWLER ROAD & ROLESVILLE RD SIGHT LINE PLAN

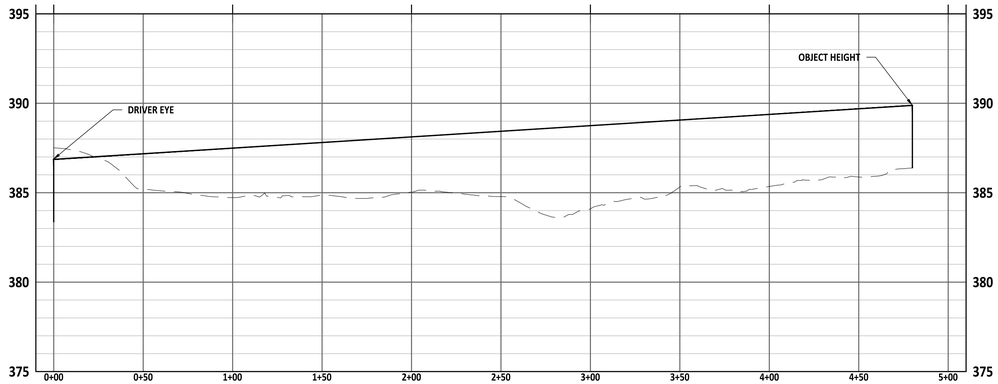
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = ft 40



FOWLER ROAD LEFT TURN LOOKING RIGHT SIGHT LINE PROFILE



FOWLER ROAD RIGHT TURN LOOKING LEFT SIGHT LINE PROFILE

PROJECT NUMBER = CID-25-02

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

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

PRELIMINARY

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN

DO NOT USE FOR CONSTRUCTION

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MERRITT RESERVE

MERRITT RESERVE DR SIGHT PLAN & PROFILE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
MERRITT RESERVE DR SIGHT PLAN & PROFILE

SHEET NO.:
CT-201

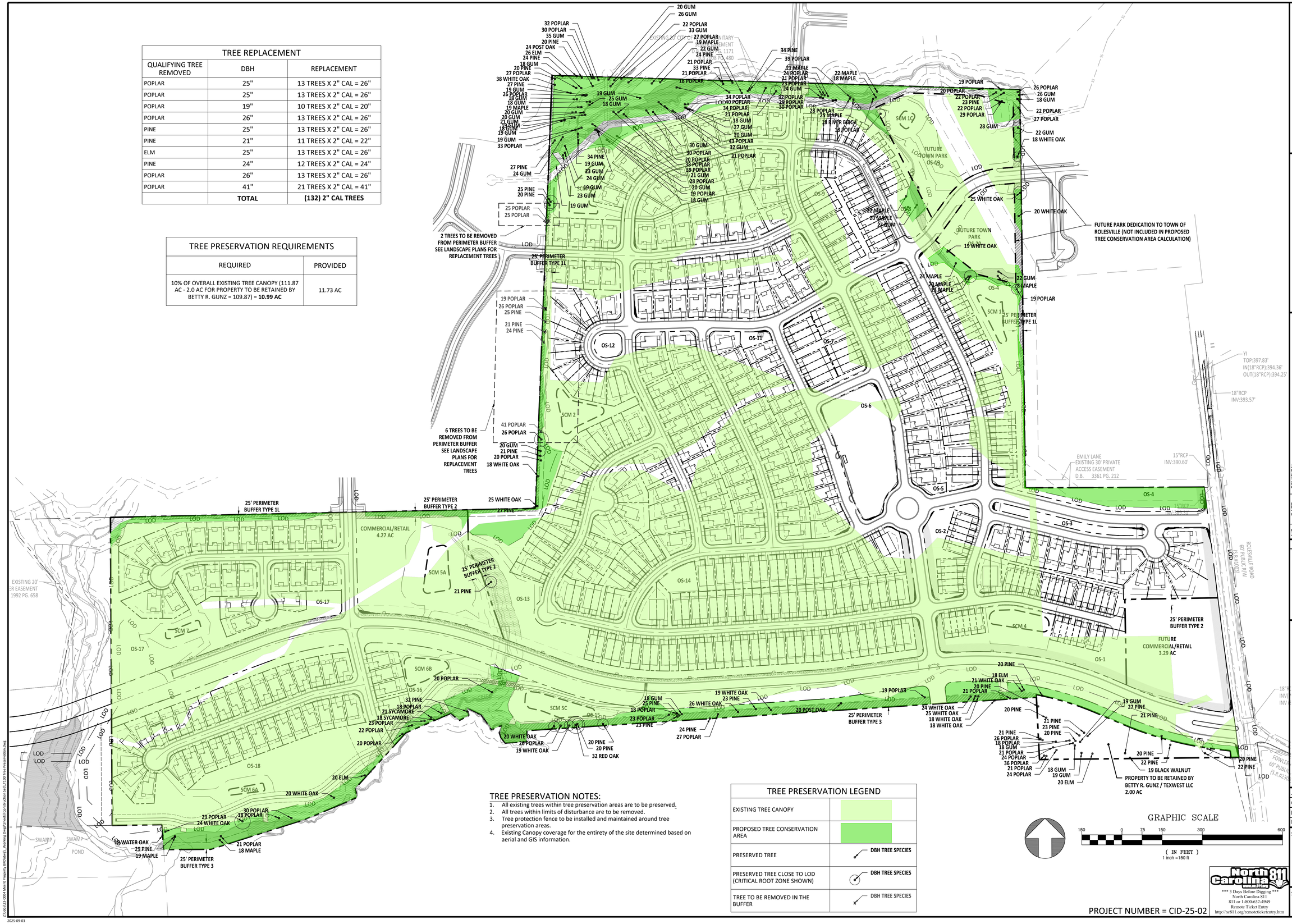
North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Job\23-0004 Merritt Property BRP\Final_Working Dwgs\Sheets\Construction Set\01_CT-200 Sight Distance PP.dwg

2025-09-03

TREE REPLACEMENT		
QUALIFYING TREE REMOVED	DBH	REPLACEMENT
POPLAR	25"	13 TREES X 2" CAL = 26"
POPLAR	25"	13 TREES X 2" CAL = 26"
POPLAR	19"	10 TREES X 2" CAL = 20"
POPLAR	26"	13 TREES X 2" CAL = 26"
PINE	25"	13 TREES X 2" CAL = 26"
PINE	21"	11 TREES X 2" CAL = 22"
ELM	25"	13 TREES X 2" CAL = 26"
PINE	24"	12 TREES X 2" CAL = 24"
POPLAR	26"	13 TREES X 2" CAL = 26"
POPLAR	41"	21 TREES X 2" CAL = 41"
	TOTAL	**(132) 2" CAL TREES**

TREE PRESERVATION REQUIREMENTS	
REQUIRED	PROVIDED
10% OF OVERALL EXISTING TREE CANOPY (111.87 AC - 2.0 AC FOR PROPERTY TO BE RETAINED BY BETTY R. GUNZ = 109.87) = **10.99 AC**	11.73 AC



TREE PRESERVATION NOTES:

1. All existing trees within tree preservation areas are to be preserved.
2. All trees within limits of disturbance are to be removed.
3. Tree protection fence to be installed and maintained around tree preservation areas.
4. Existing Canopy coverage for the entirety of the site determined based on aerial and GIS information.

TREE PRESERVATION LEGEND	
EXISTING TREE CANOPY	
PROPOSED TREE CONSERVATION AREA	
PRESERVED TREE	DBH TREE SPECIES
PRESERVED TREE CLOSE TO LOD (CRITICAL ROOT ZONE SHOWN)	DBH TREE SPECIES
TREE TO BE REMOVED IN THE BUFFER	DBH TREE SPECIES

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 REGISTERED LANDSCAPE ARCHITECTURE C-652 AMERICAN SERVICES

PRELIMINARY

PRELIMINARY
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LAUREN E. DICKSON 2010

FOR INFORMATION, ONLY

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

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MERRITT RESERVE

TREE PRESERVATION PLAN

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

TREE PRESERVATION PLAN

SHEET NO.:

LT-100

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 &RS\Dwgs_ Working Dwgs\Sheets\Construction Set\LT100 Tree Preservation.dwg

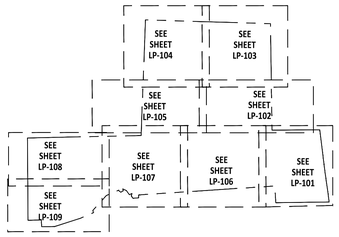
2025-09-03

BUFFER PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES						
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	8	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	12	SINGLE STRAIGHT LEADER
JUN VIR	Juniperus virginiana 'Brodie' / Brodie Eastern Red Cedar	3"	B&B	12' MIN	4	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	12	SINGLE STRAIGHT LEADER
UNDERSTORY TREES						
AME ARB	Amelanchier x Grandiflora 'Autumn Brillance'/ Autumn Brillance Serviceberry	2"	B&B	8' MIN	4	SINGLE STRAIGHT LEADER
ILE OPA	Ilex opaca 'Tinga' / Tinga American Holly	2"	B&B	8' MIN	8	SINGLE STRAIGHT LEADER
SHRUBS						
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra		3 GAL	18" MIN	88	FULLY ROOTED
ILE GLA	Ilex Glabra / Inkberry		5 GAL	24" MIN	159	FULLY ROOTED
VIB OBO	Viburnum Obovatum 'Mrs Schiller's Delight' / Mrs Schillers Delight Viburnum		5 GAL	24" MIN	104	FULLY ROOTED
MYR CER	Myrica cerifera / Southern Wax Myrtle		5 GAL	24" MIN	121	FULLY ROOTED
FOT MOU	Fothergilla 'Mount Airy' / MT Airy Fothergilla		3 GAL	18" MIN	58	FULLY ROOTED

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES							
	KOE PAN	Koelreuteria paniculata / Golden Rain Tree	2" Cal.	B&B	8' Height Min.	218	Single Straight Leader
	NYS SYL	Nyssa sylvatica / Tupelo	2" Cal.	B&B	8' Height Min.	124	Single Straight Leader
	QUE FAL	Quercus falcata / Southern Red Oak	2" Cal.	B&B	8' Height Min.	150	Single Straight Leader
	QUE NUT	Quercus nuttallii / Nuttall Oak	2" Cal.	B&B	8' Height Min.	222	Single Straight Leader
	ULM NEW	Ulmus americana 'New Harmony' / New Harmony American Elm	2" Cal.	B&B	8' Height Min.	223	Single Straight Leader
MITIGATION TREES							
	BET RIV	Betula nigra / River Birch	2" Cal.	B&B	8' Height Min.	39	Single Straight Leader
	ILE SAT	Ilex opaca 'Satyr Hill' / Satyr Hill American Holly	2" Cal.	B&B	8' Height Min.	12	Single Straight Leader
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar	2" Cal.	B&B	8' Height Min.	24	Single Straight Leader
	QUE COC	Quercus coccinea / Scarlet Oak	2" Cal.	B&B	8' Height Min.	21	Single Straight Leader
	QUE VIR	Quercus virginiana / Southern Live Oak	2" Cal.	B&B	8' Height Min.	17	Single Straight Leader
	TAX DIS	Taxodium distichum / Bald Cypress	2" Cal.	B&B	8' Height Min.	19	Single Straight Leader
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER		QTY	REMARKS
SHRUBS							
	CEP SUS	Cephalanthus occidentalis 'SMCOSS' / Sugar Shack® Buttonbush	18" Height Min.			106	Fully Rooted
	ILE GGI	Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly	18" Height Min.			49	Fully Rooted
	ITE SPR	Itea virginica 'Sprich' / Little Henry® Sweetspire	18" Height Min.			129	Fully Rooted



LANDSCAPE REQUIREMENTS

	REQUIRED	PROVIDED
STREET TREES		
FOWLER RD	1 every 40' on center	1 every 40' on center
ROLESVILLE RD	1 every 40' on center	1 every 40' on center
LOCAL STREETS	1 every 60' on center	1 every 60' on center
PARKING LOT		
PERIMETER PLANTINGS	1 shrub every 3' on center	1 shrub every 3' on center
TERMINAL ISLANDS	1 tree per 150 SF of island	1 tree per 150 SF of island
INTERIOR ISLANDS	1 tree per 150 SF of island	1 tree per 150 SF of island

LANDSCAPE LEGEND

HATCH	BUFFER TYPE
	10' TYPE 1L
	15' TYPE 2
	25' TYPE 2 MODIFIED

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 LANDSCAPE ARCHITECTURE REGISTERED C-652 AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS LAUREN E. DICKSON

PRELIMINARY

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MERRITT RESERVE

OVERALL LANDSCAPE PLAN

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

OVERALL LANDSCAPE PLAN

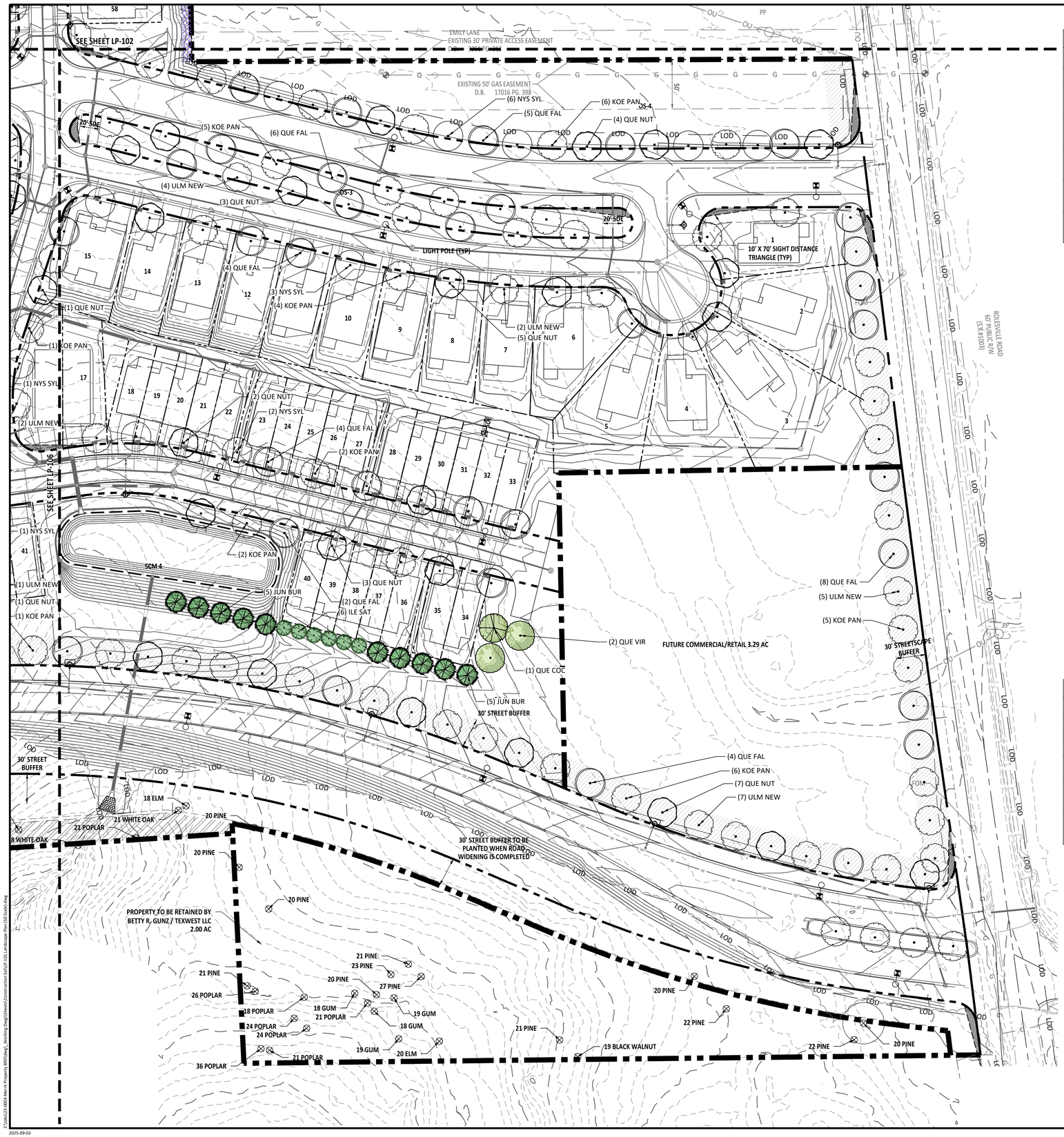
SHEET NO.:

LP-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 Merritt Property (BRP)\Mgt_Working Dwgs\Sheets\Construction Set\02- LP-100 Overall Landscape Plan.dwg

2025-09-03



STREETSCAPE BUFFER SCHEDULE LP-101							
SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES							
	KOE PAN	Koelreuteria paniculata / Golden Rain Tree	2" Cal.	B&B	8' Height Min.	34	Single Straight Leader
	NYS SYL	Nyssa sylvatica / Tupelo	2" Cal.	B&B	8' Height Min.	11	Single Straight Leader
	QUE FAL	Quercus falcata / Southern Red Oak	2" Cal.	B&B	8' Height Min.	33	Single Straight Leader
	QUE NUT	Quercus nuttallii / Nuttall Oak	2" Cal.	B&B	8' Height Min.	24	Single Straight Leader
	ULM NEW	Ulmus americana 'New Harmony' / New Harmony American Elm	2" Cal.	B&B	8' Height Min.	18	Single Straight Leader

NOTES:
1. REPLACEMENT TREES SHOWN IN COLOR.
2. SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.
3. TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIREMENTS.

TYPICAL BUFFER SECTION: TYPE 1L

SCALE: 1"=30'

BUFFER PLANT SCHEDULE					
CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	REMARKS
TREES					
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
UNDERSTORY TREES					
ILE OPA	Ilex opaca 'Tinga' / Tinga American Holly	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
SHRUBS					
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra		3 GAL	18" MIN	FULLY ROOTED
ILE GLA	Ilex Glabra / Inkberry		5 GAL	24" MIN	FULLY ROOTED
MYR CER	Myrica cerifera / Southern Wax Myrtle		5 GAL	24" MIN	FULLY ROOTED

REPLACEMENT TREE PLANT SCHEDULE LP-101							
SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
MITIGATION TREES							
	ILE SAT	Ilex opaca 'Satyr Hill' / Satyr Hill American Holly	2" Cal.	B&B	8' Height Min.	6	Single Straight Leader
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar	2" Cal.	B&B	8' Height Min.	10	Single Straight Leader
	QUE COC	Quercus coccinea / Scarlet Oak	2" Cal.	B&B	8' Height Min.	1	Single Straight Leader
	QUE VIR	Quercus virginiana / Southern Live Oak	2" Cal.	B&B	8' Height Min.	2	Single Straight Leader

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 REGISTERED LANDSCAPE ARCHITECT C-652 LAUREN E. DICKSON — AMERICAN SERVICES

PRELIMINARY
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2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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MERRITT RESERVE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.:

LP-101

Z:\Jobs\23-0004 Merritt Property (BRD)\Dwg_Working Dwgs\Sheets\Construction Set\LP-101 Landscape Plan (95 Scale).dwg
2025-09-03

STREETSCAPE BUFFER & PARKING SCHEDULE LP-102

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES							
	KOE PAN	Koelreuteria paniculata / Golden Rain Tree	2" Cal.	B&B	8' Height Min.	20	Single Straight Leader
	NYS SYL	Nyssa sylvatica / Tupelo	2" Cal.	B&B	8' Height Min.	18	Single Straight Leader
	QUE FAL	Quercus falcata / Southern Red Oak	2" Cal.	B&B	8' Height Min.	4	Single Straight Leader
	QUE NUT	Quercus nuttallii / Nuttall Oak	2" Cal.	B&B	8' Height Min.	29	Single Straight Leader
	ULM NEW	Ulmus americana 'New Harmony' / New Harmony American Elm	2" Cal.	B&B	8' Height Min.	26	Single Straight Leader
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER		QTY	REMARKS
SHRUBS							
	CEP SUS	Cephalanthus occidentalis 'SMCOSS' / Sugar Shack® Buttonbush	18" Height Min.			82	Fully Rooted
	ILE GGI	Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly	18" Height Min.			34	Fully Rooted
	ITE SPR	Itea virginica 'Sprich' / Little Henry® Sweetspire	18" Height Min.			72	Fully Rooted

NOTES:
1. **REPLACEMENT TREES SHOWN IN COLOR.**
2. **SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.**
3. **TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIREMENTS.**

BUFFER PLANT SCHEDULE

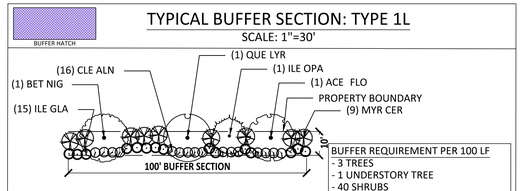
CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	REMARKS
TREES					
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
UNDERSTORY TREES					
ILE OPA	Ilex opaca 'Tinga' / Tinga American Holly	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
SHRUBS					
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra		3 GAL	18" MIN	FULLY ROOTED
ILE GLA	Ilex Glabra / Inkberry		5 GAL	24" MIN	FULLY ROOTED
MYR CER	Myrica cerifera / Southern Wax Myrtle		5 GAL	24" MIN	FULLY ROOTED

REPLACEMENT TREE PLANT SCHEDULE LP-102

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
MITIGATION TREES							
	ILE SAT	Ilex opaca 'Satyr Hill' / Satyr Hill American Holly	2" Cal.	B&B	8' Height Min.	3	Single Straight Leader
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar	2" Cal.	B&B	8' Height Min.	2	Single Straight Leader
	QUE COC	Quercus coccinea / Scarlet Oak	2" Cal.	B&B	8' Height Min.	4	Single Straight Leader
	QUE VIR	Quercus virginiana / Southern Live Oak	2" Cal.	B&B	8' Height Min.	4	Single Straight Leader

TYPICAL BUFFER SECTION: TYPE 1L

SCALE: 1"=30'



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 LANDSCAPE ARCHITECTURAL REGISTRATION BOARD C-652 AMERICANEA SERVICES

PRELIMINARY

PRELIMINARY
DO NOT USE FOR CONSTRUCTION
1816
LAUREN E. DICKASON

FOR INFORMATION, ONLY

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MERRITT RESERVE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.:

LP-102

Z:\Jobs\23-0004 Merritt Property (RSP)\Revit_ Working Dwgs\Sheets\Construction Set\LP-102 Landscape Plan (50 Scale).dwg

2025-09-03

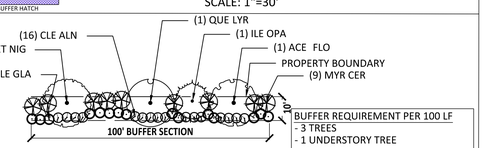
STREET TREE SCHEDULE LP-103

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES							
	KOE PAN	Koelreuteria paniculata / Golden Rain Tree	2" Cal.	B&B	8' Height Min.	21	Single Straight Leader
	NYS SYL	Nyssa sylvatica / Tupelo	2" Cal.	B&B	8' Height Min.	13	Single Straight Leader
	QUE FAL	Quercus falcata / Southern Red Oak	2" Cal.	B&B	8' Height Min.	16	Single Straight Leader
	QUE NUT	Quercus nuttallii / Nuttall Oak	2" Cal.	B&B	8' Height Min.	19	Single Straight Leader
	ULM NEW	Ulmus americana 'New Harmony' / New Harmony American Elm	2" Cal.	B&B	8' Height Min.	23	Single Straight Leader

NOTES:
1. REPLACEMENT TREES SHOWN IN COLOR.
2. SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.
3. TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIREMENTS.

TYPICAL BUFFER SECTION: TYPE 1L

SCALE: 1"=30'



BUFFER REQUIREMENT PER 100 LF
- 3 TREES
- 1 UNDERSTORY TREE
- 40 SHRUBS

BUFFER PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	REMARKS
TREES					
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
UNDERSTORY TREES					
ILE OPA	Ilex opaca 'Tinga' / Tinga American Holly	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
SHRUBS					
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra		3 GAL	18" MIN	FULLY ROOTED
ILE GLA	Ilex Glabra / Inkberry		5 GAL	24" MIN	FULLY ROOTED
MYR CER	Myrica cerifera / Southern Wax Myrtle		5 GAL	24" MIN	FULLY ROOTED

REPLACEMENT TREE PLANT SCHEDULE LP-103

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
MITIGATION TREES							
	BET RIV	Betula nigra / River Birch	2" Cal.	B&B	8' Height Min.	16	Single Straight Leader
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar	2" Cal.	B&B	8' Height Min.	1	Single Straight Leader
	QUE COC	Quercus coccinea / Scarlet Oak	2" Cal.	B&B	8' Height Min.	4	Single Straight Leader

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 REGISTERED LANDSCAPE ARCHITECT C-652 AMERICANA, SERVES

PRELIMINARY

PRELIMINARY
DO NOT USE FOR CONSTRUCTION
1818
LAUREN E. DICKSON

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.: **LP-103**

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 (BRO)\Dwg_Working Dwgs\Sheets\Construction Set\LP-103 Landscape Plan (50 Scale).dwg
2025-09-03

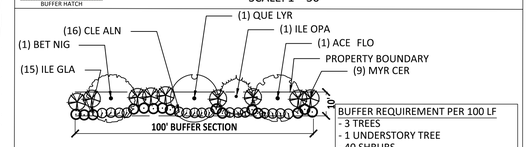
STREETSCAPE BUFFER SCHEDULE LP-104

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY
TREES						
	KOE PAN	Koelreuteria paniculata Golden Rain Tree Single Straight Leader	2" Cal.	B&B	8' Height Min.	21
	NYS SYL	Nyssa sylvatica Tupelo Single Straight Leader	2" Cal.	B&B	8' Height Min.	6
	QUE FAL	Quercus falcata Southern Red Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	15
	QUE NUT	Quercus nuttallii Nuttall Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	13
	ULM NEW	Ulmus americana 'New Harmony' New Harmony American Elm Single Straight Leader	2" Cal.	B&B	8' Height Min.	14

NOTES:
1. **REPLACEMENT TREES SHOWN IN COLOR.**
2. **SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.**
3. **TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIREMENTS.**

TYPICAL BUFFER SECTION: TYPE 1L

SCALE: 1"=30'



BUFFER PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	REMARKS
TREES					
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
UNDERSTORY TREES					
ILE OPA	Ilex opaca 'Tinga' / Tinga American Holly	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
SHRUBS					
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra	3 GAL	18" MIN	FULLY ROOTED	
ILE GLA	Ilex Glabra / Inkberry	5 GAL	24" MIN	FULLY ROOTED	
MYR CER	Myrica cerifera / Southern Wax Myrtle	5 GAL	24" MIN	FULLY ROOTED	

PLANT SCHEDULE LP-104

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
MITIGATION TREES							
	BET RIV	Betula nigra / River Birch	2" Cal.	B&B	8' Height Min.	8	Single Straight Leader
	QUE VIR	Quercus virginiana / Southern Live Oak	2" Cal.	B&B	8' Height Min.	4	Single Straight Leader
	TAX DIS	Taxodium distichum / Bald Cypress	2" Cal.	B&B	8' Height Min.	3	Single Straight Leader

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = RSD-25-XX

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 REGISTERED LANDSCAPE ARCHITECT C-652 AMERICANA SERVICES

PRELIMINARY

PRELIMINARY - DO NOT USE FOR CONSTRUCTION
1816
LAUREN E. DICKSON

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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

MERRITT RESERVE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

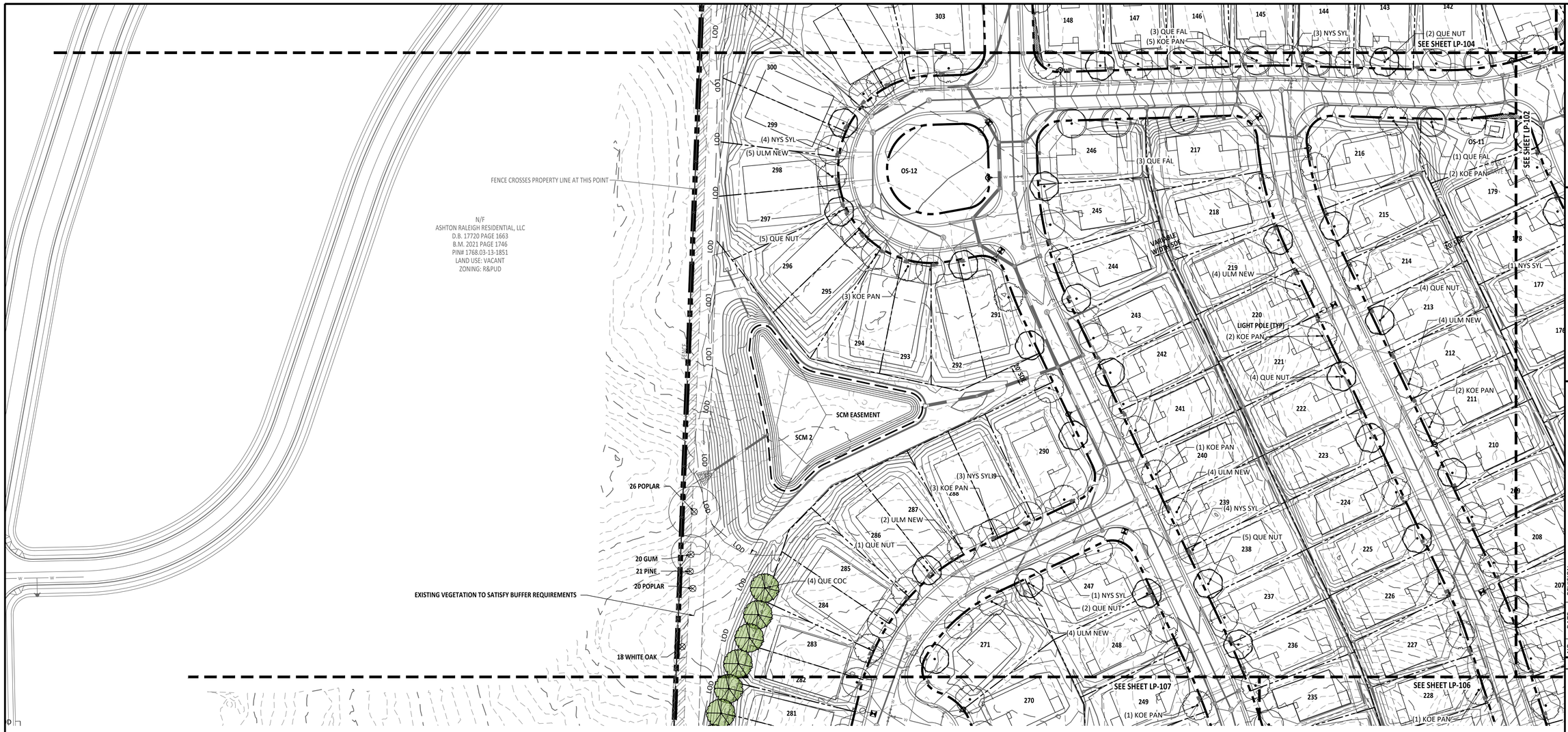
LANDSCAPE PLAN

SHEET NO.:

LP-104

Z:\Jobs\23-0004 Merritt Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\LP-104 Landscape Plan (50 Scale).dwg

2025-09-03



STREETSCAPE BUFFER SCHEDULE LP-105

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES							
	KOE PAN	Koelreuteria paniculata / Golden Rain Tree	2" Cal.	B&B	8' Height Min.	17	Single Straight Leader
	NYS SYL	Nyssa sylvatica / Tupelo	2" Cal.	B&B	8' Height Min.	15	Single Straight Leader
	QUE FAL	Quercus falcata / Southern Red Oak	2" Cal.	B&B	8' Height Min.	7	Single Straight Leader
	QUE NUT	Quercus nuttallii / Nuttall Oak	2" Cal.	B&B	8' Height Min.	23	Single Straight Leader
	ULM NEW	Ulmus americana 'New Harmony' / New Harmony American Elm	2" Cal.	B&B	8' Height Min.	23	Single Straight Leader

TREE REPLACEMENT PLANT SCHEDULE LP-105

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	DETAIL	REMARKS
MITIGATION TREES								
	QUE COC	Quercus coccinea / Scarlet Oak	2" Cal.	B&B	8' Height Min.	4		Single Straight Leader

NOTES:
1. REPLACEMENT TREES SHOWN IN COLOR.
2. SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.
3. TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIREMENTS.

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 LANDSCAPE ARCHITECTURE AMERICAN SERVICES C-652 LAUREN E. DICKSON

PRELIMINARY
PRELIMINARY - DO NOT USE FOR CONSTRUCTION
FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
LANDSCAPE PLAN

SHEET NO.:
LP-105

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

Z:\Jobs\23-0004 Merrit Property BRD\dwg_Working Dwgs\Sheets\Construction Set\LP-105 Landscape Plan (SS Scale).dwg
2025-09-03

STREETSCAPE BUFFER SCHEDULE LP-105

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY
TREES						
	KOE PAN	Koelreuteria paniculata Golden Rain Tree Single Straight Leader	2" Cal.	B&B	8' Height Min.	17
	NYS SYL	Nyssa sylvatica Tupelo Single Straight Leader	2" Cal.	B&B	8' Height Min.	15
	QUE FAL	Quercus falcata Southern Red Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	7
	QUE NUT	Quercus nuttallii Nuttall Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	24
	ULM NEW	Ulmus americana 'New Harmony' New Harmony American Elm Single Straight Leader	2" Cal.	B&B	8' Height Min.	23

NOTES:
1. **REPLACEMENT TREES SHOWN IN COLOR.**
2. **SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.**
3. **TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIREMENTS.**

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 REGISTERED LANDSCAPE ARCHITECT C-652 AMERICANA SERVICES

PRELIMINARY
PRELIMINARY
DO NOT USE FOR CONSTRUCTION
LAUREN E. DICKSON 7810
FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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

MERRITT RESERVE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.:
LP-106

Z:\Jobs\23-0004 Merritt Property @Rolesville, Wake County\Sheets\Construction Set\LP-106 Landscape Plan (SB Subd).dwg
2025-09-03

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

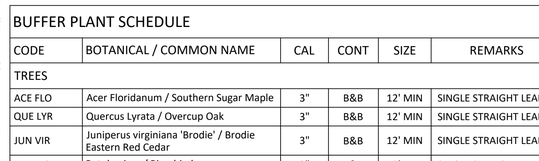
STREETSCAPE BUFFER SCHEDULE LP-107

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY
TREES						
	KOE PAN	Koelreuteria paniculata Golden Rain Tree Single Straight Leader	2" Cal.	B&B	8' Height Min.	25
	NYS SYL	Nyssa sylvatica Tupelo Single Straight Leader	2" Cal.	B&B	8' Height Min.	25
	QUE FAL	Quercus falcata Southern Red Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	18
	QUE NUT	Quercus nuttallii Nuttall Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	14
	ULM NEW	Ulmus americana 'New Harmony' New Harmony American Elm Single Straight Leader	2" Cal.	B&B	8' Height Min.	29

NOTES:
1. REPLACEMENT TREES SHOWN IN COLOR.
2. SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.
3. TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIRMENTS.

TYPICAL BUFFER SECTION: TYPE 2 MODIFIED

SCALE: 1"=30'



BUFFER REQUIREMENT PER 100 LF
- 3 TREES
- 1 UNDERSTORY TREE
- 50 SHRUBS

BUFFER PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	REMARKS
TREES					
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
JUN VIR	Juniperus virginiana 'Brodie' / Brodie Eastern Red Cedar	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
UNDERSTORY TREES					
AME ARB	Amelanchier x Grandiflora 'Autumn Brillance'/ Autumn Brillance Serviceberry	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
CRA PHA	Crataegus phaenopyrum / Washington Hawthorn	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
SHRUBS					
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra	3 GAL	18" MIN	FULLY ROOTED	
ILE GLA	Ilex Glabra / Inkberry	5 GAL	24" MIN	FULLY ROOTED	
VIB OBO	Viburnum Obovatum 'Mrs Schiller's Delight' / Mrs Schillers Delight Viburnum	5 GAL	24" MIN	FULLY ROOTED	
FOT MOU	Fothergilla 'Mount Airy' / MT Airy Fothergilla	3 GAL	18" MIN	FULLY ROOTED	

REPLACEMENT TREE PLANT SCHEDULE LP-107

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY
MITIGATION TREES						
	BET RIV	Betula nigra / River Birch Single Straight Leader	2" Cal.	B&B	8' Height Min.	2
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar Single Straight Leader	2" Cal.	B&B	8' Height Min.	3
	QUE COC	Quercus coccinea / Scarlet Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	4
	TAX DIS	Taxodium distichum / Bald Cypress Single Straight Leader	2" Cal.	B&B	8' Height Min.	10

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

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECTURAL CORPORATION C-652 AMERICAN ENGINEERING SERVICES

PRELIMINARY
PRELIMINARY - DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1818 LAUREN E. DICKSON
FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.: **LP-107**

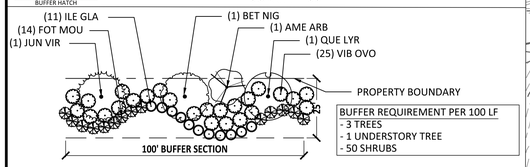
North Carolina 811 811 or 1-800-632-4949

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

Z:\Jobs\23-0004 Merrit Property (BRD\Dwg_Working Dwgs\Sheets\Construction Set\LP-107 Landscape Plan (SS Scale).dwg
2025-09-03

TYPICAL BUFFER SECTION: TYPE 2 MODIFIED

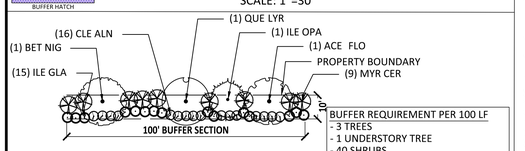
SCALE: 1"=30'



BUFFER REQUIREMENT PER 100 LF
- 3 TREES
- 1 UNDERSTORY TREE
- 50 SHRUBS

TYPICAL BUFFER SECTION: TYPE 1L

SCALE: 1"=30'



BUFFER REQUIREMENT PER 100 LF
- 3 TREES
- 1 UNDERSTORY TREE
- 40 SHRUBS

STREETSCAPE BUFFER SCHEDULE LP-108

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY
TREES						
	KOE PAN	Koelreuteria paniculata Golden Rain Tree Single Straight Leader	2" Cal.	B&B	8' Height Min.	17
	QUE FAL	Quercus falcata Southern Red Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	22
	QUE NUT	Quercus nuttallii Nuttall Oak Single Straight Leader	2" Cal.	B&B	8' Height Min.	29
	ULM NEW	Ulmus americana 'New Harmony' New Harmony American Elm Single Straight Leader	2" Cal.	B&B	8' Height Min.	26

NOTES:
1. **REPLACEMENT TREES SHOWN IN COLOR.**
2. **SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.**
3. **TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIRMENTS.**

REPLACEMENT TREE SCHEDULE LP-108

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
MITIGATION TREES							
	BET RIV	Betula nigra / River Birch	2" Cal.	B&B	8' Height Min.	9	Single Straight Leader
	ILE SAT	Ilex opaca 'Satyr Hill' / Satyr Hill American Holly	2" Cal.	B&B	8' Height Min.	3	Single Straight Leader
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar	2" Cal.	B&B	8' Height Min.	5	Single Straight Leader
	QUE COC	Quercus coccinea / Scarlet Oak	2" Cal.	B&B	8' Height Min.	4	Single Straight Leader
	QUE VIR	Quercus virginiana / Southern Live Oak	2" Cal.	B&B	8' Height Min.	6	Single Straight Leader
	TAX DIS	Taxodium distichum / Bald Cypress	2" Cal.	B&B	8' Height Min.	3	Single Straight Leader

BUFFER PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	REMARKS
TREES					
ACE FLO	Acer Floridanum / Southern Sugar Maple	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
QUE LYR	Quercus Lyrata / Overcup Oak	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
JUN VIR	Juniperus virginiana 'Brodie' / Brodie Eastern Red Cedar	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
BET NIG	Betula nigra / Riverbirch	3"	B&B	12' MIN	SINGLE STRAIGHT LEADER
UNDERSTORY TREES					
AME ARB	Amelanchier x Grandiflora 'Autumn Brillance'/ Autumn Brillance Serviceberry	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
ILE OPA	Ilex opaca 'Tinga' / Tinga American Holly	2"	B&B	8' MIN	SINGLE STRAIGHT LEADER
SHRUBS					
CLE ALN	Clethra Alnifolia 'Ruby Spice' / Ruby Spice Clethra		3 GAL	18" MIN	FULLY ROOTED
ILE GLA	Ilex Glabra / Inkberry		5 GAL	24" MIN	FULLY ROOTED
VIB OBO	Viburnum Obovatum 'Mrs Schiller's Delight' / Mrs Schillers Delight Viburnum		5 GAL	24" MIN	FULLY ROOTED
MYR CER	Myrica cerifera / Southern Wax Myrtle		5 GAL	24" MIN	FULLY ROOTED
FOT MOU	Fothergilla 'Mount Airy' / MT Airy Fothergilla		3 GAL	18" MIN	FULLY ROOTED

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 LANDSCAPE ARCHITECTURE AMERICAN E.A. SERVICES C-652

PRELIMINARY
PRELIMINARY
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA 7316 LAUREN E. DICKSON
FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.:

LP-108

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 (RBP)\Dwg_Working Dwgs\Sheets\Construction Set\LP-108 Landscape Plan (SD Scale).dwg

2025-09-03

STREETSCAPE BUFFER SCHEDULE LP-109

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	REMARKS
TREES							
	KOE PAN	Koelreuteria paniculata / Golden Rain Tree	2" Cal.	B&B	8' Height Min.	12	Single Straight Leader
	QUE NUT	Quercus nuttallii / Nuttall Oak	2" Cal.	B&B	8' Height Min.	11	Single Straight Leader
	ULM NEW	Ulmus americana 'New Harmony' / New Harmony American Elm	2" Cal.	B&B	8' Height Min.	18	Single Straight Leader

NOTES:

1. **REPLACEMENT TREES SHOWN IN COLOR.**
2. **SEE OVERALL LANDSCAPE PLAN FOR BUFFER PLANT QUANTITIES.**
3. **TOWN OF ROLESVILLE STAFF TO WALK SITE AFTER CLEARING OPERATIONS HAVE FINISHED TO DETERMINE IF EXISTING SITE VEGETATION MEETS BUFFER REQUIREMENTS OR IF SUPPLEMENTAL PLANTINGS ARE NEEDED TO MEET REQUIRMENTS.**

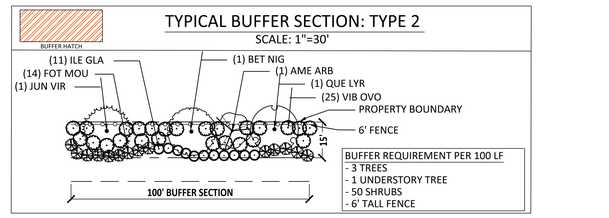
REPLACEMENT TREE SCHEDULE LP-109

SYMBOL	CODE	BOTANICAL / COMMON NAME	CAL	CONT	SIZE	QTY	DETAIL	REMARKS
MITIGATION TREES								
	BET RIV	Betula nigra / River Birch	2" Cal.	B&B	8' Height Min.	4		Single Straight Leader
	JUN BUR	Juniperus virginiana 'Burkii' / Burk Eastern Red Cedar	2" Cal.	B&B	8' Height Min.	3		Single Straight Leader
	QUE VIR	Quercus virginiana / Southern Live Oak	2" Cal.	B&B	8' Height Min.	1		Single Straight Leader
	TAX DIS	Taxodium distichum / Bald Cypress	2" Cal.	B&B	8' Height Min.	3		Single Straight Leader

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 REGISTERED LANDSCAPE ARCHITECT C-652 AMERICAN SERVICES

PRELIMINARY

PRELIMINARY
DO NOT USE FOR CONSTRUCTION
LAUREN E. DICKSON

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE PLAN

SHEET NO.:

LP-109

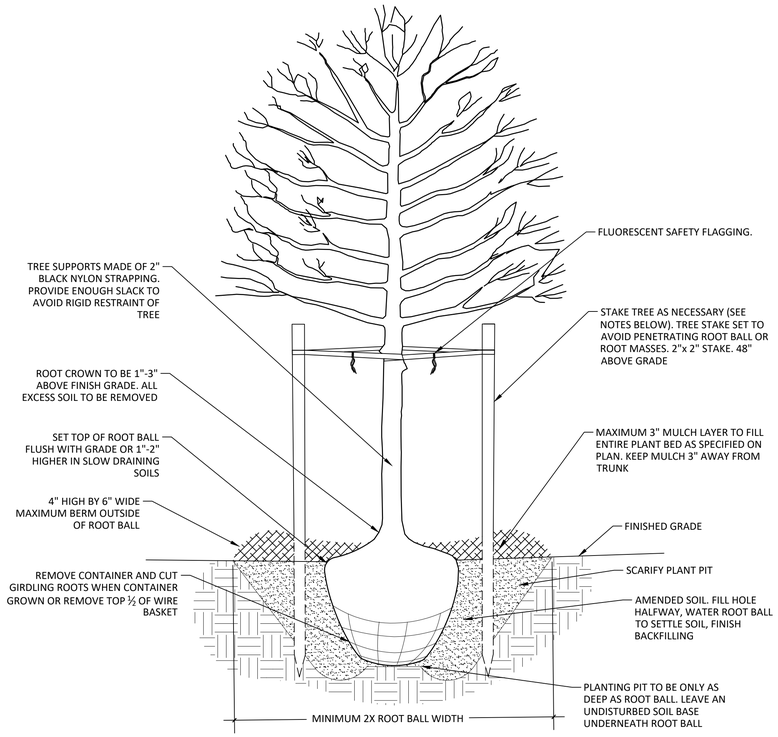
North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merrit Property (BRD)\Dwg_Working Dwgs\Sheets\Construction Set\LP-109 Landscape Plan (50 Scale).dwg

2025-09-03

GENERAL PLANTING NOTES

1. All plant material shall conform with the standards set forth by the American Association of Nurserymen, American Standard for Nursery Stock, ANSI.Z60.1.
2. Locate all existing utilities prior to installation of plant material. Notify owner of any discrepancies between field conditions and those shown on the plan.
3. Contractor engaged in landscape installation shall be a landscape contractor registered in the state of North Carolina.
4. Tree protection fence shall be maintained on site until all site work and the final site inspection is completed. The fencing shall be removed prior to the certificate of occupancy (CO) inspection is scheduled
5. Verification of total quantities as shown on the plant list shall be the responsibility of the contractor.
6. All plant groupings shall be mulched as one bed. 3" of triple shredded hardwood mulch shall be used around all plantings.
7. Apply pre-emergent herbicide to all new planting beds at manufacturer's recommended rate prior to installation of mulch.
8. Establish positive drainage in all planting beds and away from buildings.
9. Do not install plant material in impervious soils, (i.e. holes which , when filled with water, do not completely drain within two hours.)
10. See Erosion Control Details for temporary and permanent seeding schedule.
11. General contractor shall be responsible for keeping all equipment & subcontractors away from seeded areas. If damage occurs, through no fault of the owner, areas shall be regraded and reseeded immediately at no additional cost to the owner. Contractor shall water and maintain those areas until they are at 95% coverage at final completion.
12. Install permanent seeding along all roadside ditches and channels within construction limits of project. see erosion control plans for additional information.
13. Mulch shall be replenished as needed, especially after heavy rain events.
14. Contractor is responsible for importing, testing, and preparing the soil on site per the recommendations of a soil test.
15. Plants shall be watered at least 2 times per week unless soil is moist based on core sample or moisture meter reading. Water more frequently during establishment.
16. Remove (either manually or with pesticide treatment) all weeds in mulch areas, plant beds, tree rings, and hardscape areas: including but not limited to nutsedge, grasses, invasive plants, and any non-desirable plant material. This treatment shall occur monthly until the end of the warranty / maintenance period.
17. Mulch line smooth continuous curves.
18. All trees not within a plant bed to be treated with a 6-ft diameter mulch ring (typ).
19. All foundation trees are to be planted a minimum of 8' away from building wall. Notify Landscape Architect of any discrepancies.
20. When possible, planting shall be installed between September 1 - June 30th and in favorable weather conditions. When planting must be performed outside of specified date, plants must be watered on a regular basis to ensure viability.



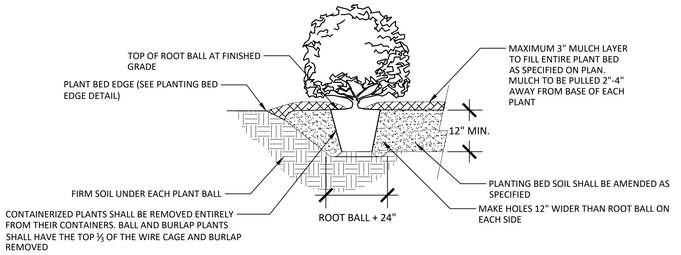
NOTES:

1. ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004)
2. REMOVE WIRE AND NYLON TWINE FROM BALL AND CANOPY.
3. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION.
4. DO NOT STAKE OR WRAP TRUNK UNLESS:
   A. TREE HAS A LARGE CROWN.
   B. PLANTING SITE IS CONSISTENTLY WINDY OR IS A STEEP SLOPE.
   C. PLANTING SITE IS SUSCEPTIBLE TO VANDALISM.
6. REMOVE ALL STAKING MATERIAL AFTER 1 YEAR.
7. REMOVE ALL TAGS AND LABELS FROM PLANT MATERIAL.
8. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. ONLY PRUNE CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED.

2 TYPICAL TREE PLANTING

NOT TO SCALE

P-RE-R-R230004-01



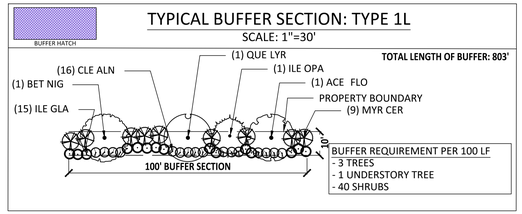
NOTES:

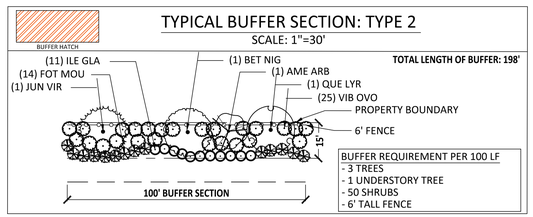
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANTS.
2. PLANT ROOT BALL SHOULD BE INSTALLED 1"-3" MAXIMUM ABOVE FINISHED GRADE.
3. WATER EACH PLANT IMMEDIATELY AFTER INSTALLATION AND BEFORE INSTALLATION OF MULCH.
4. PLANT PITS ONLY FOR SINGLE PLANTS. FOR PLANT BEDS, PREPARE THE ENTIRE BED AREA.
5. SPACING OF SHRUBS VARIES, REFER TO LANDSCAPE PLANS.

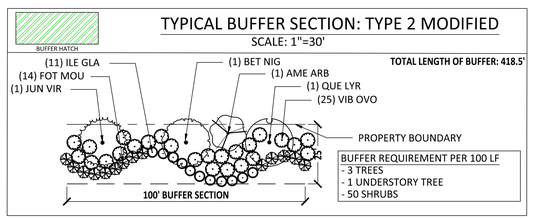
1 TYPICAL SHRUB PLANTING

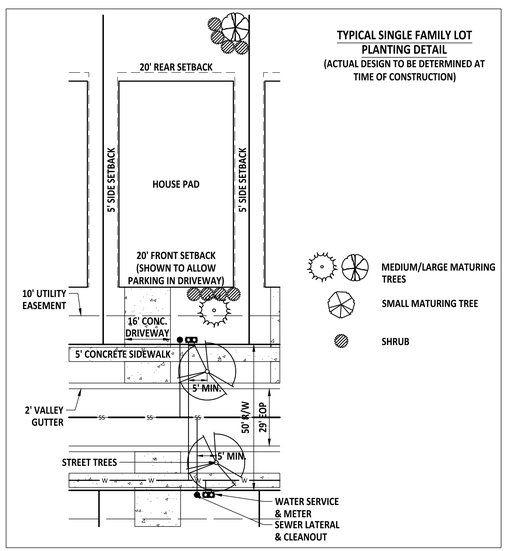
NOT TO SCALE

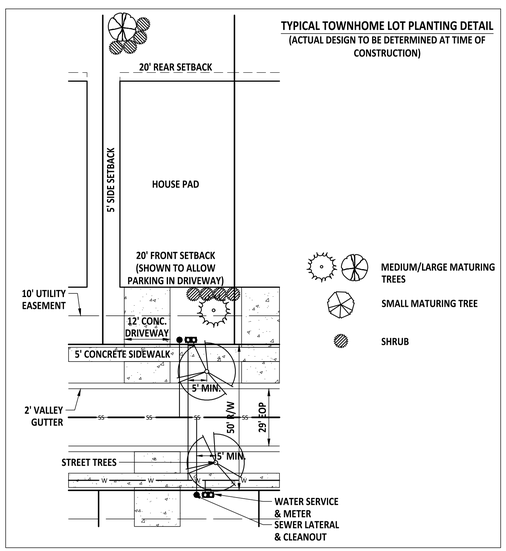
P-RE-R-R230004-02

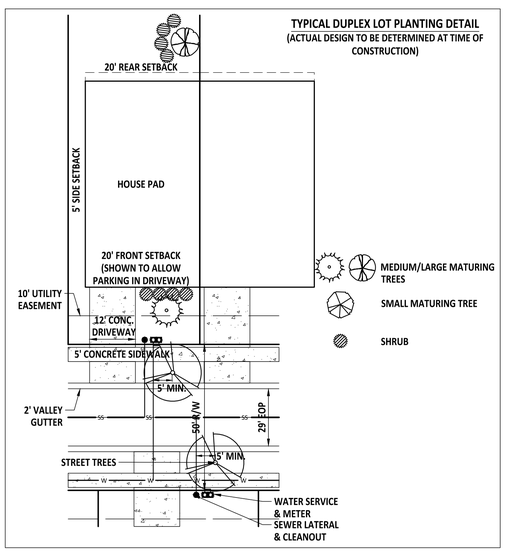












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WAKE COUNTY NC 27312

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

SHEET TITLE:

LANDSCAPE DETAILS

SHEET NO.:

LP-500

North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
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Z:\Job\23-0004 Merritt Property (BIO)\dwg_Working Dwgs\Sheets\Construction Set\LP-500 Landscape Details.dwg

2025-09-03