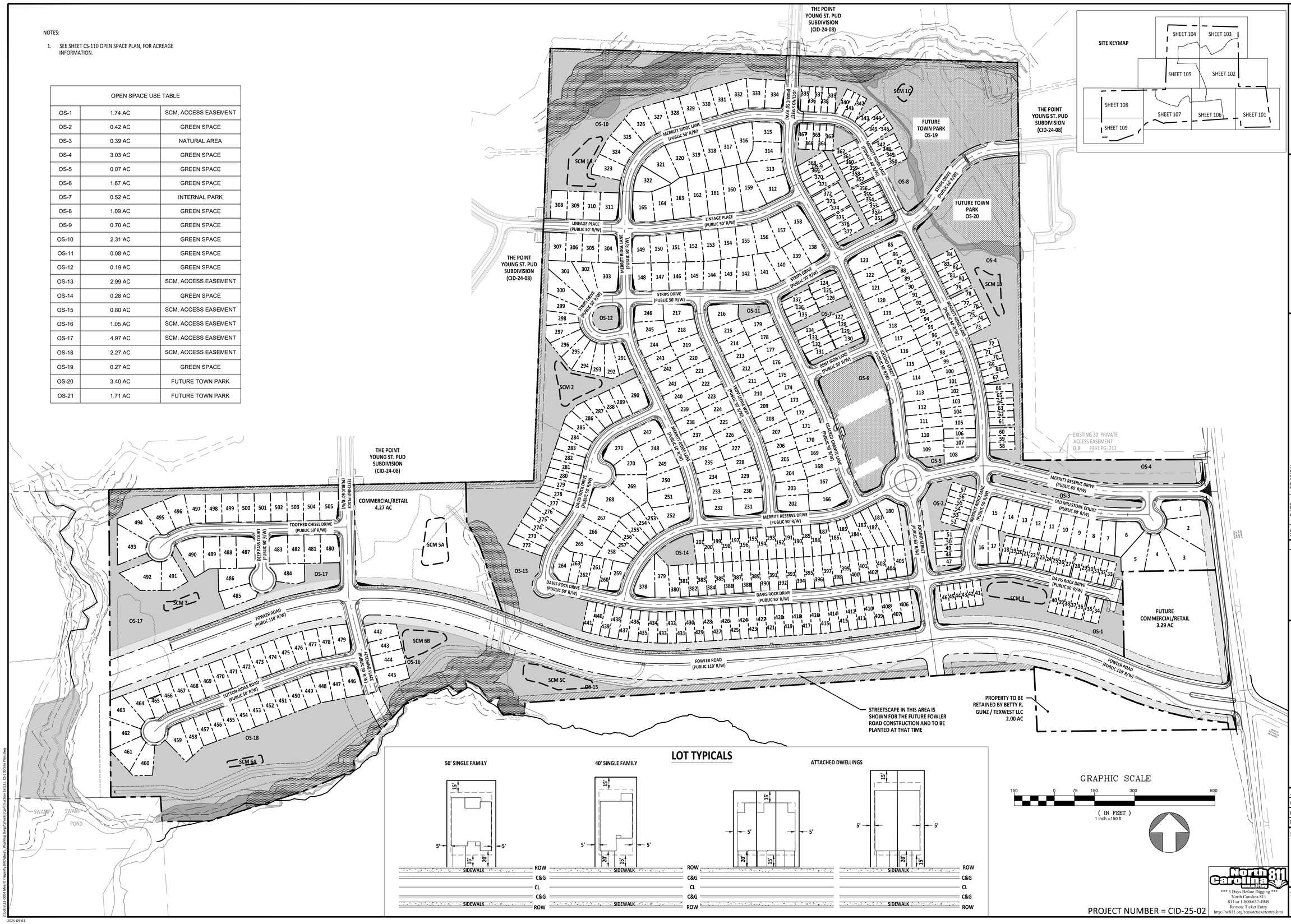
NOTES:

1. SEE SHEET CS-110 OPEN SPACE PLAN, FOR ACREAGE INFORMATION.

OPEN SPACE USE TABLE		
OS-1	1.74 AC	SCM, ACCESS EASEMENT
OS-2	0.42 AC	GREEN SPACE
OS-3	0.39 AC	NATURAL AREA
OS-4	3.03 AC	GREEN SPACE
OS-5	0.07 AC	GREEN SPACE
OS-6	1.67 AC	GREEN SPACE
OS-7	0.52 AC	INTERNAL PARK
OS-8	1.09 AC	GREEN SPACE
OS-9	0.70 AC	GREEN SPACE
OS-10	2.31 AC	GREEN SPACE
OS-11	0.08 AC	GREEN SPACE
OS-12	0.19 AC	GREEN SPACE
OS-13	2.99 AC	SCM, ACCESS EASEMENT
OS-14	0.28 AC	GREEN SPACE
OS-15	0.80 AC	SCM, ACCESS EASEMENT
OS-16	1.05 AC	SCM, ACCESS EASEMENT
OS-17	4.97 AC	SCM, ACCESS EASEMENT
OS-18	2.27 AC	SCM, ACCESS EASEMENT
OS-19	0.27 AC	GREEN SPACE
OS-20	3.40 AC	FUTURE TOWN PARK
OS-21	1.71 AC	FUTURE TOWN PARK



LOT TYPICALS

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 ENGINEERING CERTIFICATE OF AUTHORIZATION AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881

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

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

STIPULATION FOR REUSE

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MERRITT RESERVE

SITE PLAN OVERALL

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SITE PLAN OVERALL

SHEET NO.:

CS-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:\Job\23-0004 Merrit Property (BRD\Dwg_Working Dwgs\Sheets\Construction Set\31. CS-100 Site Plan.dwg

2025-09-03

SEE SHEET CS-102

SEE SHEET CS-106

10' PERIMETER BUFFER TYPE 3

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

MERRITT RESERVE DRIVE (PUBLIC 60' R/W)

MERRITT RIDGE LANE (PUBLIC 50' R/W)

OLD MILLSTONE COURT (PUBLIC 50' R/W)

DAVIS ROCK DRIVE (PUBLIC 50' R/W)

FOWLER ROAD (PUBLIC 110' R/W)

ROLESVILLE ROAD 60' PUBLIC R/W (S.R.# 1003)

MERRITT RESERVE DRIVE STUB STA 10+00
MERRITT RESERVE DRIVE STA 12+56.63

OLD MILLSTONE COURT STA 10+00
MERRITT RIDGE LANE STA 9+74.90

OLD MILLSTONE COURT STA 16+30.47
MERRITT RESERVE DRIVE STUB STA 10+85

MERRITT RESERVE DRIVE STUB CUL-DE-SAC STA 11+13.36

DAVIS ROCK DRIVE STA 21+76.40
MERRIT RIDGE LANE STA 5+85.96

DAVIS ROCK DRIVE ROAD END STA 27+42.30

FH(TBM)
N(y):783226.94'
E(x):2164169.11'
TOPNUT ELEV:393.58'

OS-1 | OS-3 | OS-4 | SCM 4

FUTURE COMMERCIAL/RETAIL 3.29 AC

10' SIDEPATH | 5' SIDEWALK | 1' ACCESS EASEMENT | 15' R/W DEDICATION | 60' R/W | 50' R/W DEDICATION

20' PRIVATE DRAINAGE EASEMENT | 20' PUBLIC DRAINAGE EASEMENT | VARIABLE WIDTH DRAINAGE EASEMENT | 3' COR UTILITY EASEMENT | 3' COR UTILITY PUBLIC EASEMENT | PUBLIC DRAINAGE AND SCM ACCESS EASEMENT | TEMPORARY ACCESS AND CONSTRUCTION EASEMENT

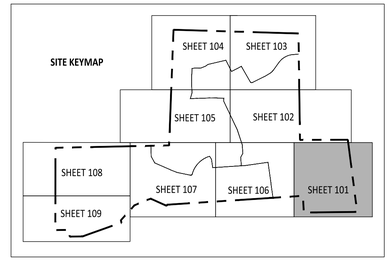
30' STREETSCAPE BUFFER | 30' STREETSCAPE AND ACCESS EASEMENT BUFFER

FIRE HYDRANT EASEMENT (TYP.) | 10' CONCRETE SIDE PATH | RETAINING WALL (TYP.) | RETAINING WALL FENCE (TYP.)

6' BLACK VINYL CHAIN LINK FENCE PER PRIVATE AGREEMENT. FINAL ALIGNMENT TO BE DETERMINED BASED ON FIELD CONDITIONS.

PROPERTY TO BE RETAINED BY BETTY R. GUNZ / TEXWEST LLC 2.00 AC

SITE KEYMAP



SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
PASSIVE OPEN SPACE PROVIDED: 28.07 ACRES TOTAL REQUIRED: 10.45 ACRES	
ACTIVE OPEN SPACE PROVIDED: 6.87 ACRES TOTAL REQUIRED: 10.45 ACRES	
30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	
10' CURB TRANSITION	

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

FOR INFORMATION, ONLY

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MERRITT RESERVE

SITE PLAN

ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:

SITE PLAN

SHEET NO.:

CS-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

T:\JOBS\23-0004 Merritt Property BBP\Revit_ Working Dwgs\Sheet\Construction Set\12_CS-101-103 Site Plan (SS Scale).dwg
2025-09-03

SEE SHEET CS-104

SEE SHEET CS-103

SEE SHEET CS-105

SEE SHEET CS-106

SEE SHEET CS-101

CRACKED GRANITE LANE
STA 18+55.49
STRIPS DRIVE
STA 15+65.48

STRIPS DRIVE (PUBLIC 50' R/W)

JOCUND STREET (PUBLIC 50' R/W)

CRACKED GRANITE LANE (PUBLIC 50' R/W)

BENT IRON LANE (PUBLIC 50' R/W)

MERRITT RIDGE LANE (PUBLIC 50' R/W)

MERRITT RESERVE DRIVE (PUBLIC 60' R/W)

OLD MILLSTONE COURT (PUBLIC 50' R/W)

5' SIDEWALK

RETAINING WALL (TYP.)

ROLL CURB (TYP.)

LOD

SCM 1B

PUBLIC DRAINAGE AND SCM ACCESS EASEMENT

10' PERIMETER BUFFER TYPE 3

EXISTING GRAVESITE NOT TO BE DISTURBED

20' PRIVATE DRAINAGE EASEMENT

VARIABLE WIDTH DRAINAGE EASEMENT (TYP.)

VARIABLE WIDTH DRAINAGE EASEMENT

CURB CUTS AND PARKING AREA FOR FUTURE AMENITY AREA

ON-STREET PARKING

MAIL KIOSK AND ON-STREET PARKING

JOCUND STREET STA 21+91.47
BENT IRON LANE STA 12+87.30

JOCUND STREET STA 17+25.89

JOCUND STREET STA 16+05.89

MERRITT RIDGE LANE STA 10+00
MERRITT RESERVE DRIVE STA 18+87.74

MERRITT RESERVE DRIVE STA 21+23.48

MERRITT RESERVE DRIVE STA 22+43.48

OLD MILLSTONE COURT STA 10+00
MERRITT RIDGE LANE STA 9+41.60

MERRITT RESERVE DRIVE STUB STA 10+00
MERRITT RESERVE DRIVE STA 12+56.63

CRACKED GRANITE LANE STA 15+18.39
BENT IRON LANE STA 10+00

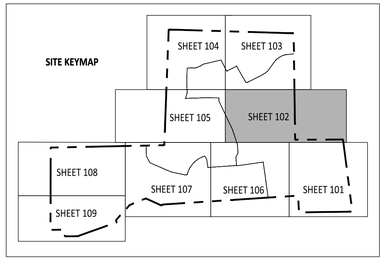
CRACKED GRANITE LANE STA 10+00
MERRITT RESERVE DRIVE STA 23+76.54

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

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

N/F
OPTIMAL DEVELOPMENT, LLC
D.B. 18224 PAGE 1209
B.M. 1985 PAGE 1807
PIN# 1768.03-33-7689
LAND USE: VACANT
ZONING: RL

OS-11 OS-7 OS-6 OS-5 OS-4 OS-3 OS-2



SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
PASSIVE OPEN SPACE PROVIDED: 28.07 ACRES TOTAL REQUIRED: 10.45 ACRES	
ACTIVE OPEN SPACE PROVIDED: 6.87 ACRES TOTAL REQUIRED: 10.45 ACRES	
30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

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

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

FOR INFORMATION, ONLY

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MERRITT RESERVE

SITE 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:

SITE PLAN

SHEET NO.:

CS-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

Z:\Job\23-0004 Merritt Property BBD\Revit_Working\Design\Sheets\Construction Set\12_CS-101-103 Site Plan 150 Scale).dwg

2025-09-03

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

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

TIE TO EX. ROAD
JOCUND STREET
STA 34+04.03

TEMPORARY
CONSTRUCTION
EASEMENT

NEUSE RIPARIAN
ZONE 2

NEUSE RIPARIAN
BUFFER ZONE 1

TAPER TO EXISTING 11' LANES
AND CROSS SECTION
BEGIN STA 32+35.00
END STA 32+85.00

EXISTING
CORSSE

334
JOCUND STREET
STA 31+19.98
MERRITT RIDGE LANE
STA 26+21.01

JOCUND STREET
(PUBLIC 50' R/W)

MERRITT RIDGE LANE
STA 25+71.01
START/END PRIVATE ROAD

PC: 27+22.50
S86° 46' 22"E
101.49'
PT: 24+70.96
S86° 46' 22"E
150.05'

VARIABLE WIDTH
315 DRAINAGE
EASEMENT (TYP.)

20' PRIVATE
DRAINAGE
EASEMENT

PT: 30+20.02

MERRITT RIDGE LANE
(PRIVATE 40' R/W)

PC: 23+13.38
L=157.57'
R=150.00'

VARIABLE
WIDTH
DRAINAGE
EASEMENT

PC: 28+37.28
L=123.36'
R=320.00'
86.9°
93.1°

JOCUND STREET
STA 28+18.29
LINEAGE PLACE
STA 16+83.01

PT: 15+44.44

RETAINING
WALL (TYP.)

20' PRIVATE
DRAINAGE
EASEMENT

JOCUND STREET
(PUBLIC 50' R/W)
S25° 35' 32"E
209.27'

PC: 11+63.84
PT: 11+96.13
L=33.30'
R=400.00'
PI: 25+47.01

N65° 08' 01"E
170.80'

RETAINING WALL
FENCE (TYP.)

138
JOCUND STREET
STA 25+47.01
STRIPS DRIVE
STA 12+82.71

5' SIDEWALK

N69° 39' 28"E
310.04'
84.3°
95.7°

VARIABLE
WIDTH
DRAINAGE
EASEMENT

20' PRIVATE
DRAINAGE
EASEMENT

GRANITE
LANE
18+55.49
IPS DRIVE
15+65.48

STRIPS DRIVE
(PUBLIC 50' R/W)

JOCUND STREET
(PUBLIC 50' R/W)

PC: 15+09.17
R28'
90.2°
90.3°

SEE SHEET CS-104

SCM 1C

PUBLIC DRAINAGE
AND SCM ACCESS

EXISTING
CORSSE

EXISTING 50' GAS
EASEMENT AND 20"
MAIN

CURB CUTS AND CROSSWALKS
FOR FUTURE TOWN PARK AREA

FUTURE TOWN
PARK OS-19

25'
PERIMETER
BUFFER TYPE
1L

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

STRIPS DRIVE
(PUBLIC 60' R/W)

N85° 09' 02"E
85.60'

L=196.96'
R=230.00'

PC: 5+45.11

TIE TO EX. ROAD
STRIPS DRIVE
STA 4+58.43

TEMPORARY
CONSTRUCTION
EASEMENT

20' PUBLIC
DRAINAGE
EASEMENT

ROLL CURB
(TYP.)

PT: 7+42.08

RETAINING
WALL (TYP.)

OS-8

EXISTING
WETLAND
(TYP.)

OS-9

N/F
ASHTON RALEIGH RESIDENTIAL, LLC
D.B. 17720 PAGE 1663
B.M. 2021 PAGE 1745
PIN# 1768.03-34-7557
LAND USE: VACANT
ZONING: R&PUD

MERRITT RIDGE LANE
STA 20+23.19
START/END PRIVATE
ROAD

S26° 35' 02"E
57.47'

PC: 8+76.36
L=116.61'
R=230.00'
PT: 9+92.97

91.7°
88.3°

MERRITT RIDGE LANE
STA 19+66.00
STRIPS DRIVE
STA 10+00

20' PUBLIC
DRAINAGE
EASEMENT

EXISTING 50' GAS
EASEMENT AND 20"
MAIN

FUTURE TOWN
PARK
OS-20

VARIABLE
WIDTH
DRAINAGE
EASEMENT

OS-4

3' COR UTILITY
PUBLIC
EASEMENT

25'
PERIMETER
BUFFER
TYPE 1L

20' PUBLIC DRAINAGE AND SCM
ACCESS AND MAINTENANCE
EASEMENT

RETAINING
WALL (TYP.)

RETAINING WALL
FENCE (TYP.)

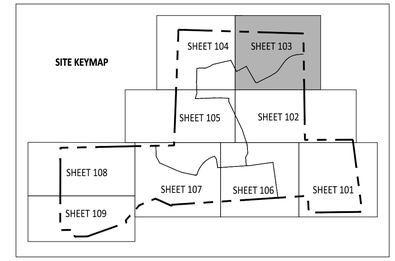
10'
PERIMETER
BUFFER
TYPE 3

SCM 1B

S26° 35' 02"E
65.82'

SEE SHEET CS-102

SITE KEYMAP



SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
PASSIVE OPEN SPACE PROVIDED: 28.07 ACRES TOTAL REQUIRED: 10.45 ACRES	
ACTIVE OPEN SPACE PROVIDED: 6.87 ACRES TOTAL REQUIRED: 10.45 ACRES	
30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	
4% SLOPE TRANSITION	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

SEE SHEET CS-102

PROJECT NUMBER = CID-25-02

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

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

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

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MERRITT RESERVE

SITE 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:

SITE PLAN

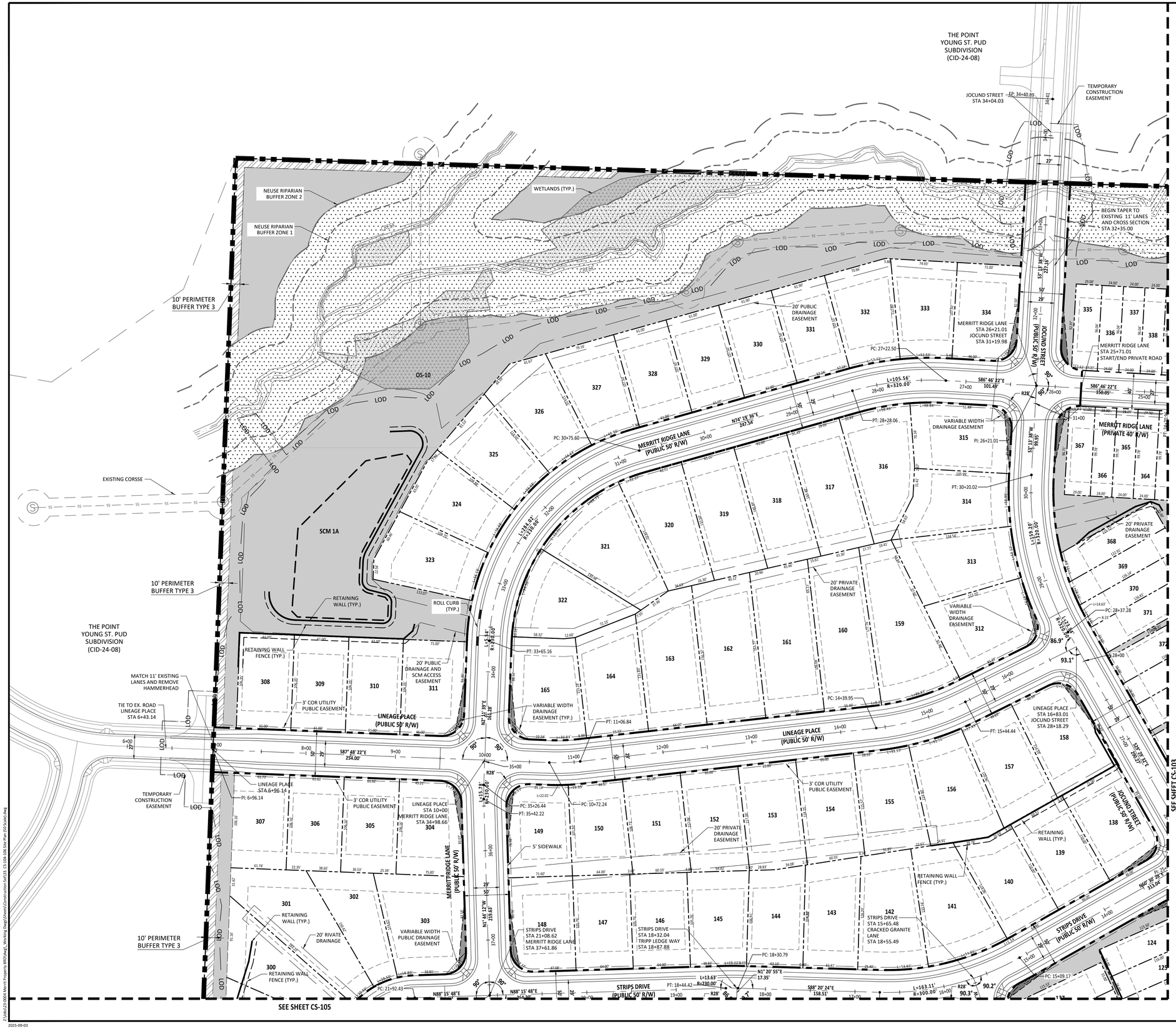
SHEET NO.:

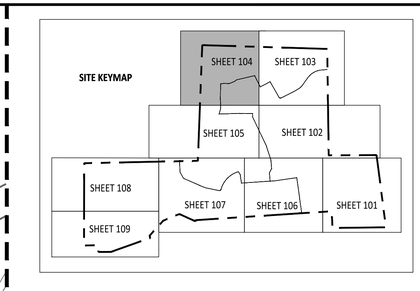
CS-103

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

Z:\Jobs\23-0004 Merritt Property BRP\Engl_ Working Dwgs\Sheets\Construction Set\CS-103 Site Plan (50-Scale).dwg

2025-09-03





SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
PASSIVE OPEN SPACE PROVIDED: 28.07 ACRES TOTAL REQUIRED: 10.45 ACRES	
ACTIVE OPEN SPACE PROVIDED: 6.87 ACRES TOTAL REQUIRED: 10.45 ACRES	
30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	
10' CURB TRANSITION	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

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
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DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
36528
JAKOB P. KLEIN
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MERRITT RESERVE
SITE PLAN
ROLESVILLE RD
WAKE COUNTY NC 27312

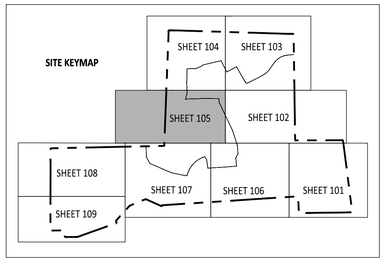
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
SITE PLAN

SHEET NO.:
CS-104

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 (BSP)\Proj_ Working Dwgs\Sheets\Construction Set\10 - CS-104-106 Site Plan (ISO-size).dwg
2025-09-03



N/F
ASHTON RALEIGH RESIDENTIAL, LLC
D.B. 17720 PAGE 1663
B.M. 2021 PAGE 1746
PIN# 1768.03-13-1851
LAND USE: VACANT
ZONING: R&PUD

SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
PASSIVE OPEN SPACE PROVIDED: 28.07 ACRES TOTAL REQUIRED: 10.45 ACRES	
ACTIVE OPEN SPACE PROVIDED: 6.87 ACRES TOTAL REQUIRED: 10.45 ACRES	
30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	
10' CURB TRANSITION	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

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

NORTH CAROLINA ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

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

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

STIPULATION FOR REUSE

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MERRITT RESERVE

SITE 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:

SITE PLAN

SHEET NO.:

CS-105

Z:\Jobs\23-0004 Merritt Property (BRP)\Wp_ Working Dwgs\Sheets\Construction Set\23- CS-104-106 Site Plan (50-Scale).dwg

2025-09-03

SEE SHEET CS-105

SEE SHEET CS-102

SEE SHEET CS-107

SEE SHEET CS-101

SEE SHEET CS-14

MERRITT RESERVE DRIVE (PUBLIC 50' R/W)

TRIPP LEDGE WAY (PUBLIC 50' R/W)

CRACKED GRANITE LANE (PUBLIC 50' R/W)

JOCUND STREET (PUBLIC 50' R/W)

JOCUND STREET (PUBLIC 60' R/W)

MERRITT RIDGE LANE (PUBLIC 60' R/W)

DAVIS ROCK DRIVE (PUBLIC 50' R/W)

FOWLER ROAD (PUBLIC 110' R/W)

MERRITT RIDGE LANE STA 10+00
MERRIT RESERVE DRIVE STA 18+87.74

OLD MILLSTONE COURT STA 10+00
MERRIT RIDGE LANE STA 5+77.74

MERRITT RESERVE DRIVE STA 21+23.48

JOCUND STREET STA 16+05.89

JOCUND STREET STA 17+25.89

ON STREET PARKING FOR MAIL KIOSK

CURB CUT FOR AMENITY AREA

MERRITT RESERVE DRIVE STA 22+43.48

CRACKED GRANITE LANE STA 10+00
MERRITT RESERVE DRIVE STA 23+76.54

TRIPP LEDGE WAY STA 10+00
MERRITT RESERVE DRIVE STA 27+15.88

MERRITT RIDGE LANE STA 46+61.04
MERRITT RESERVE DRIVE STA 29+91.43

JOCUND STREET STA 12+85.00
DAVIS ROCK DRIVE STA 20+00.00

JOCUND STREET STA 10+55.00
FOWLER ROAD STA 22+64.98

DAVIS ROCK DRIVE STA 21+76.40
MERRIT RIDGE LANE STA 5+85.96

OS-5

OS-2

25' LANDSCAPE BUFFER

30' LANDSCAPE BUFFER

20' PRIVATE DRAINAGE EASEMENT

20' PUBLIC DRAINAGE EASEMENT

VARIABLE WIDTH DRAINAGE EASEMENT (TYP.)

VARIABLE WIDTH PRIVATE DRAINAGE EASEMENT (TYP.)

VARIABLE WIDTH PUBLIC DRAINAGE EASEMENT (TYP.)

3' COR UTILITY EASEMENT

PUBLIC DRAINAGE AND SCM ACCESS EASEMENT

FIRE HYDRANT EASEMENT (TYP.)

RETAINING WALL (TYP.)

RETAINING WALL FENCE (TYP.)

20' STREETSCAPE BUFFER

25' PERIMETER BUFFER TYPE 3

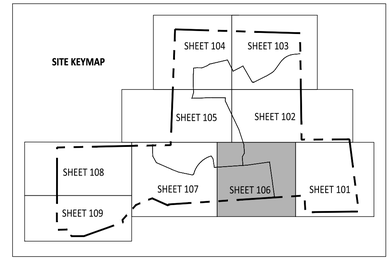
6' BLACK VINYL CHAIN LINK FENCE PER PRIVATE AGREEMENT. FINAL ALIGNMENT TO BE DETERMINED BASED ON FIELD CONDITIONS.

PROPERTY LINE(L-9)PER PER
D.B. 5178 PG. 858
B.M. 1985 PG. 1806

LOD

PROJECT NUMBER = CID-25-02

SITE KEYMAP



SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
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30' STREETSCAPE BUFFER	
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NEUSE RIVER BUFFER	
EXISTING WETLAND	
10' CURB TRANSITION	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

AMERICAN Engineering
American Engineering Associates - Southeast, P.A.
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919-469-1101

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST, P.A. C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NORTH CAROLINA
PRELIMINARY
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36528
JAKOB P. KLEIN
ENGINEER
FOR INFORMATION, ONLY

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MERRITT RESERVE

SITE 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:

SITE PLAN

SHEET NO.:

CS-106

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 BRDI\dwg_Working Dwgs\Sheets\Construction Set\CS-104-106 Site Plan ISO Scale1.dwg

2025-09-03

SEE SHEET CS-105

SEE SHEET CS-108

SEE SHEET CS-109

SEE SHEET CS-106

10' PERIMETER BUFFER TYPE 2

25' PERIMETER BUFFER TYPE 2

LOD

COMMERCIAL/RETAIL 4.27 AC

SCM 5A

20' PUBLIC DRAINAGE EASEMENT

30' SANITARY SEWER PUBLIC EASEMENT

PUBLIC SCM ACCESS AND MAINTENANCE EASEMENT

30' STREETSCAPE BUFFER

ROLL CURB (TYP.)

RETAINING WALL (TYP.)

RETAINING WALL FENCE (TYP.)

DAVIS ROCK DRIVE (PUBLIC 50' R/W)

DAVIS ROCK DRIVE STA 13+71.85

CUL-DE-SAC CENTER STA 10+50.74

PC: 14+83.87

PT: 13+38.93

PC: 43+65.11

MERRIT RIDGE LANE (PUBLIC 50' R/W)

RETAINING WALL (TYP.)

VARIABLE WIDTH PUBLIC DRAINAGE EASEMENT

20' PRIVATE DRAINAGE EASEMENT

PT: 46+28.53

PC: 29+59.09

PT: 15+71.92

PC: 16+71.97

MERRITT RESERVE DRIVE (PUBLIC 50' R/W)

MERRITT RIDGE LANE STA 46+61.04
MERRITT RESERVE DRIVE STA 29+91.43

OS-14

OS-13

OS-15

SCM 6B

SCM 5C

40' GREENWAY EASEMENT
OS-16

30' PUBLIC DRAINAGE EASEMENT

FIRE HYDRANT EASEMENT (TYP.)

PT: 36+23.15

PT: 18+27.83

PT: 33+99.34

DAVIS ROCK DRIVE STA 8+75.29
MERRITT RESERVE DRIVE STA 34+14.55

DAVIS ROCK DRIVE (EAST) STA 5+74.87
DAVIS ROCK DRIVE (NORTH) STA 18+39.21

PC: 8+50.07

PT: 10+70.09

DAVIS ROCK DRIVE (PUBLIC 50' R/W)

RETAINING WALL (TYP.)

BOARDWALK

10' ASPHALT PUBLIC GREENWAY

PC: 31+27.65

FOWLER ROAD (PUBLIC 110' R/W)

20' STREETSCAPE BUFFER

25' PERIMETER BUFFER

PUBLIC DRAINAGE AND SCM ACCESS EASEMENT

6' BLACK VINYL CHAIN LINK FENCE PER PRIVATE AGREEMENT. FINAL ALIGNMENT TO BE DETERMINED BASED ON FIELD CONDITIONS.

NEUSE RIPARIAN BUFFER ZONE 2

NEUSE RIPARIAN BUFFER ZONE 1

VARIABLE WIDTH CONSTRUCTION EASEMENT

FETCHING PLACE STA 14+70.47

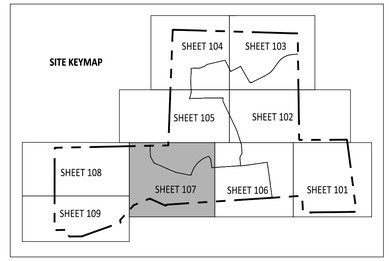
N28° 57' 12"W 38.23'

PL @ FETCHING PLACE STA 14+81.41

NG PLACE +50.52

CREEK

SITE KEYMAP



SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
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30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	
10' CURB TRANSITION	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

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

PRELIMINARY

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEIN

PRELIMINARY NOT FOR RECORDATION, SALES, OR CONSTRUCTION

FOR INFORMATION, ONLY

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MERRITT RESERVE

SITE 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:

SITE PLAN

SHEET NO.:

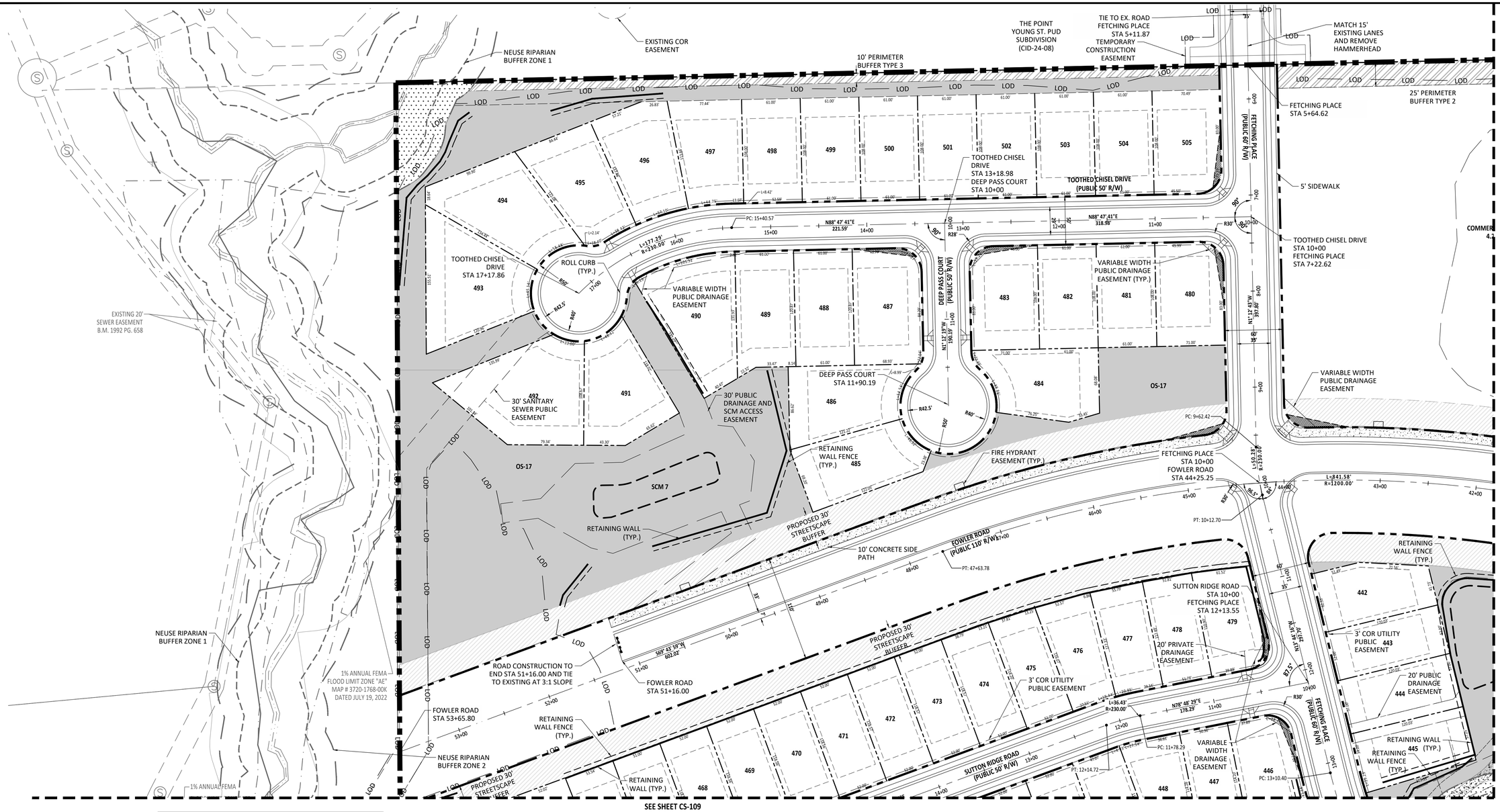
CS-107

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 (MFD)\Dwg_Working Dwg\Sheets\Construction Set\34. CS-107-109 Site Plan (50 Scale).dwg

2025-09-03



SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
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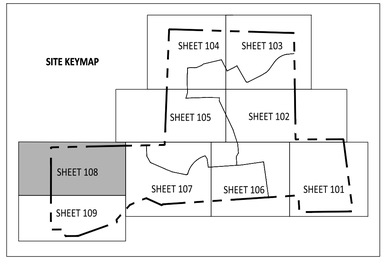
10' CURB TRANSITION	



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

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919-469-1101

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PRELIMINARY

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 36528 JAKOB P. KLEE

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MERRITT RESERVE

SITE 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:

SITE PLAN

SHEET NO.:

CS-108

Z:\Jobs\23-0004 Merritt Property BRP\Revit_ Working Dwgs\Sheets\Construction Set\04 -CS-107-109 Site Plan (CS-Cplot).dwg

2025-09-03

SEE SHEET CS-108

SEE SHEET CS-107

NEUSE RIPARIAN BUFFER ZONE 1

1% ANNUAL FEMA FLOOD LIMIT ZONE "AE" MAP # 3720-1768-00K DATED JULY 19, 2022

ROAD CONSTRUCTION TO END STA 51+16.00 AND TIE TO EXISTING AT 3:1 SLOPE

FOWLER ROAD STA 51+16.00

FOWLER ROAD STA 53+65.80

RETAINING WALL FENCE (TYP.)

NEUSE RIPARIAN BUFFER ZONE 2

PROPOSED 30' STREETSCAPE BUFFER

PROPOSED 30' STREETSCAPE BUFFER

WETLAND (TYP.)

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

RETAINING WALL (TYP.)

SUTTON RIDGE ROAD (PUBLIC 50' R/W)

SUTTON RIDGE ROAD STA 18+34.11

40' PUBLIC INGRESS/EGRESS EASEMENT

30' SANITARY SEWER PUBLIC EASEMENT

EXISTING 20' SEWER EASEMENT M. 1992 PG. 658

1% ANNUAL FEMA FLOODWAY

3' COR UTILITY PUBLIC EASEMENT

RETAINING WALL FENCE (TYP.)

ROLL CURB (TYP.)

VARIABLE WIDTH DRAINAGE EASEMENT

PUBLIC DRAINAGE AND SCM ACCESS EASEMENT

RETAINING WALL (TYP.)

OS-18

SCM 6A

10' ASPHALT PUBLIC GREENWAY

RETAINING WALL (TYP.)

RETAINING WALL FENCE (TYP.)

30' SANITARY SEWER PUBLIC EASEMENT

BARRICADE AT END OF GREENWAY

SWAMP

SWAMP

POND

STA 10+00 FETCHING PLACE STA 12+13.55

20' PRIVATE DRAINAGE EASEMENT

3' COR UTILITY PUBLIC EASEMENT

20' PUBLIC DRAINAGE EASEMENT

RETAINING WALL (TYP.)

RETAINING WALL FENCE (TYP.)

FETCHING PLACE (PUBLIC 60' R/W)

VARIABLE WIDTH DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

CONCRETE BARRIERS; ROAD CONSTRUCTION TO END, GRADE DOWN AT 3:1 SLOPE TO THE GREENWAY/SANITARY EASEMENT AND RETAINING WALL.

END ROAD CONSTRUCTION FETCHING PLACE STA 13+54.98

30' SANITARY SEWER PUBLIC EASEMENT

40' GREENWAY/SANITARY EASEMENT

FETCHING PLACE STA 14+70.47

PL @ FETCHING PLACE STA 14+81.41

FETCHING PLACE STA 14+50.52

NEUSE RIPARIAN BUFFER ZONE 2

NEUSE RIPARIAN BUFFER ZONE 1

WETLAND (TYP.)

SITE KEYMAP

SHEET 104 | SHEET 103 | SHEET 105 | SHEET 102 | SHEET 108 | SHEET 107 | SHEET 106 | SHEET 101 | SHEET 109

SITE PLAN LEGEND	
PROPOSED LOT LINES	
RIGHT OF WAY	
CENTERLINE	
CURB AND GUTTER	
10 X 70 SIGHT TRIANGLE	
SCM LOCATIONS	
SETBACKS	
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30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	
EXISTING WETLAND	
10' CURB TRANSITION	

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

PROJECT NUMBER = CID-25-02

AMERICAN Engineering

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

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

PRELIMINARY

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA 36528 ENGINEER JAKOB P. KLEIN

DO NOT USE FOR CONSTRUCTION

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MERRITT RESERVE

SITE 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:

SITE PLAN

SHEET NO.:

CS-109

North Carolina 811 811.com

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

Z:\Jobs\23-0004 Merritt Property BRP\Dwg_Working Dwgs\Sheets\Construction Set\24. CS-107-109 Site Plan (GIS-scale).dwg

2025-09-03

OPEN SPACE USE TABLE

AREA	AC	USE DESCRIPTION
OS-1	2.21	SCM, ACCESS EASEMENT
OS-2	0.58	GREEN SPACE
OS-3	0.39	GREEN SPACE
OS-4	3.57	SCM, ACCESS EASEMENT
OS-5	0.08	GREEN SPACE
OS-6	2.10	AMENITY CENTER
OS-7	0.52	GREEN SPACE
OS-8	1.54	NATURAL AREA
OS-9	0.92	GREEN SPACE
OS-10	5.15	NATURAL AREA
OS-11	0.08	GREEN SPACE
OS-12	0.19	GREEN SPACE
OS-13	5.40	SCM, ACCESS EASEMENT
OS-14	0.28	GREEN SPACE
OS-15	4.31	NATURAL AREA
OS-16	2.05	GOVERNMENTAL USE
OS-17	3.65	SCM, ACCESS EASEMENT
OS-18	4.63	SCM, ACCESS EASEMENT, GOVERNMENTAL USE

TOTAL OPEN SPACE PROVIDED: 37.65 AC

OPEN SPACE REQUIREMENTS:

15% OF TOTAL SITE AREA (143.1 AC - 2 AC FOR PROPERTY TO BE RETAINED BY BETTY R. GUNZ = 141.1 AC): 21.17 AC

2 MEDIUM PARKS: OS-6 AMENITY CENTER, OS-16 GREENWAY TRAIL

POTENTIAL SMALL PARKS: OS-5, OS-11, OS-12, OS-14

POTENTIAL LAND DONATION AREAS: OS-19, OS-20 (5.92 AC)

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

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

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

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

COMMERCIAL/RETAIL 4.27 AC

FUTURE COMMERCIAL/RETAIL 3.29 AC

PROPERTY TO BE RETAINED BY BETTY R. GUNZ / TEXWEST LLC. 2.00 AC

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

ROLESVILLE ROAD 60' PUBLIC R/W (S.R. 1410)

FOWLER 60' PUBLIC (S.R.1230)

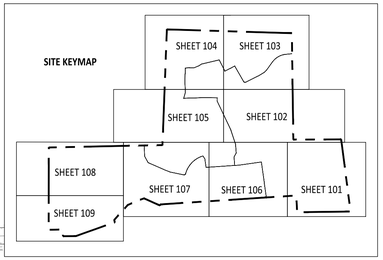
SWAMP

SWAMP POND

SCM 1A, SCM 1B, SCM 1C, SCM 2, SCM 4, SCM 5A, SCM 5B, SCM 5C, SCM 6A, SCM 6B, SCM 7

OS-1, OS-2, OS-3, OS-4, OS-5, OS-6, OS-7, OS-8, OS-9, OS-10, OS-11, OS-12, OS-13, OS-14, OS-15, OS-16, OS-17, OS-18, OS-19, OS-20

SITE KEYMAP



GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)
1 inch =150 ft

PROJECT NUMBER = CID-25-02

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

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

PRELIMINARY

PRELIMINARY NOT FOR RECORDATION DO NOT USE FOR CONSTRUCTION

JACOB P. KLEIN 36528 ENGINEER

FOR INFORMATION, ONLY

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MERRITT RESERVE

OPEN SPACE 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:

OPEN SPACE PLAN

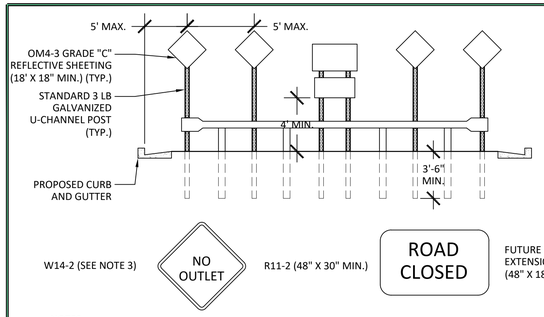
SHEET NO.:

CS-110

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 8870\dwg_Working Dwgs\Sheet\Construction Set\CS- CS-110 Open Space Plan.dwg

2025-09-03



NOTES:

1. FOR 2 LANE UNDIVIDED STREET SECTION, CENTER ONE (**R11-2**) SIGN AND FUTURE ROAD EXTENSION SIGN. ADDITIONALLY, CENTER ONE **OM4-3** SIGN/POST ON EITHER SIDE OF THE ROAD CLOSED SIGN (**R11-2**).
2. FOR WIDER ROADS, **OM4-3** SIGNS SHALL BE PLACED EQUALLY SPACES, AS NEEDED, TO COVER THE ENTIRE WIDTH OF STREET. (MAXIMUM OF 5-FEET CENTER LINE TO CENTER LINE OF POST(S).)
3. ADVANCE WARNING SIGN **W14-2** (NO OUTLET) SHOULD BE PLACED JUST AFTER LAST INTERSECTING STREET.
4. "ROAD CLOSED" SIGN SHALL MEET SPECIFICATIONS OF **MUTCD R11-2** AND BE REQUIRED ATOP EACH FUTURE ROAD EXTENSION SIGNAGE USED.
5. OBJECT MARKERS SHALL MEET THE SPECIFICATIONS OF THE **MUTCD OM4-3** AND BE MOUNTED AT EACH END POST.

1 TEMPORARY ROAD CLOSURE WITH GUARDRAIL

NTS

PAVEMENT MARKING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC TYPE EXCEPT FOR PARKING SPACE LINES WHICH SHALL BE ALKYN-RESIN TYPE PAINT.
2. CONTRACTOR TO REFERENCE NCDOT STANDARDS AS NOTED FOR MORE DETAIL ON STRIPING.
3. ALL SIGNAGE SHALL BE FIELD STAKED AND THE LOCATIONS APPROVED BY TOWN OF ROLESVILLE PRIOR TO SIGN INSTALLATION.
4. ALL SITE SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCODT STANDARDS.
5. ALL SIGNS ARE TO BE MOUNTED WITH 7 FT MINIMUM CLEARANCE TO THE BOTTOM OF THE SIGN, ON 3 LB GALVANIZED STEEL U-CHANNEL POST AND SET WITHIN 3 FT DEEP X 12 INCH DIAMETER CONCRETE FOOTING.

SIGNAGE		
SIGN TYPE	MUTCD STD.	SIZE
PEDESTRIAN CROSSWALK	R1-5	36" x 36"
PEDESTRIAN CROSSING	W11-2	24" x 24"
STOP	R1-1	30" x 30"
SPEED LIMIT	R2-1	18" x 24"
ROAD ENDS	W8-26	30" x 30"
NO OUTLET SIGN	W14-2	30" DIAMOND

PAVEMENT MARKINGS			
MARKING TYPE	NCDOT STD.	SIZE	COLOR
PARKING SPACES	SEE DETAIL	4-IN	WHITE
STOP BAR	SEE DETAIL	24-IN	WHITE
STANDARD CROSSWALK	SEE DETAIL	4-IN	WHITE
HI VIS CROSSWALK	SEE DETAIL	12-IN	WHITE

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)
1 inch =150 ft

PROJECT NUMBER = CID-25-02

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

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

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

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

PAVEMENT MARKING & SIGNAGE PLAN

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

SHEET TITLE:

PAVEMENT MARKING & SIGNAGE PLAN

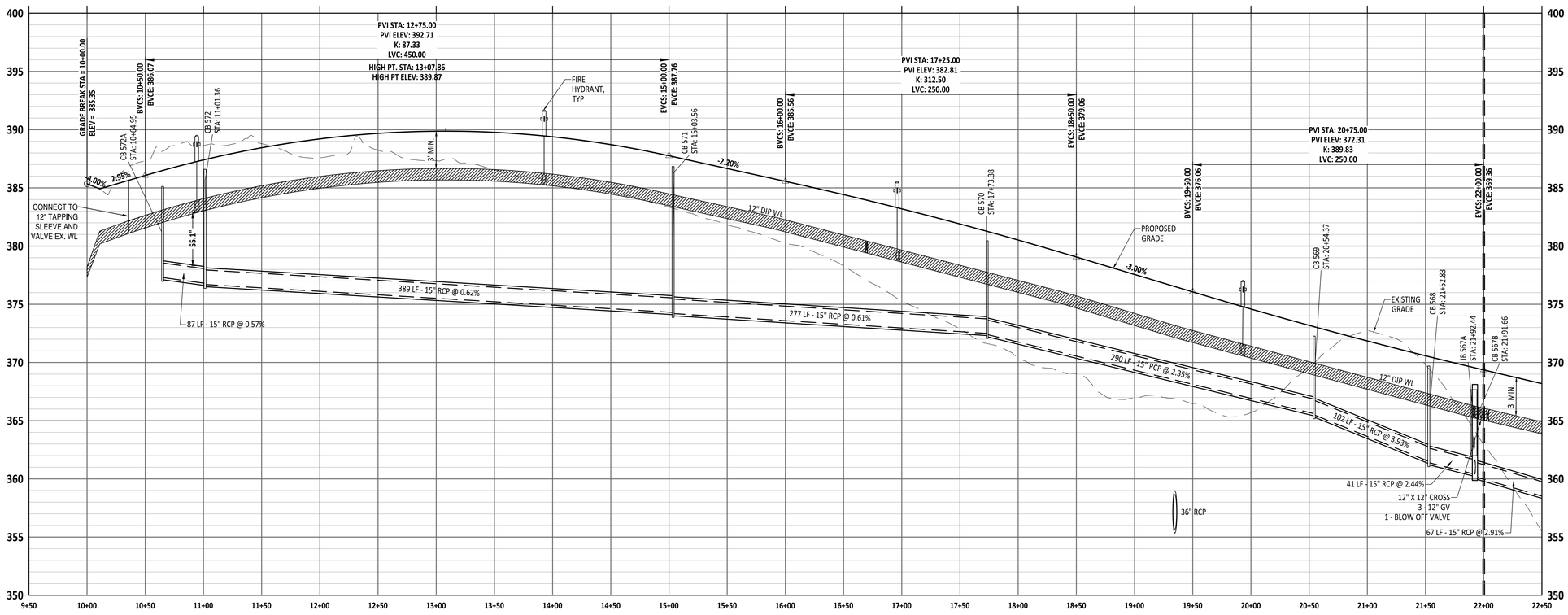
SHEET NO.:

CS-120

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

Z:\Jobs\23-0004 Merritt Property (BRD\Dwg_Working Dwgs\Sheets\Construction Set\CS5x_ CS-120 Site Transportation and Signage Plan.dwg
2025-09-03

FOWLER ROAD



FOWLER ROAD 10+00 TO 22+00

NOTE:

1. **CONTRACTOR TO CONFIRM LOCATION, DEPTH, SIZE, AND MATERIAL OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO AMERICAN ENGINEERING.**

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

PRELIMINARY
NOT FOR RECORDATION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA — 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

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.

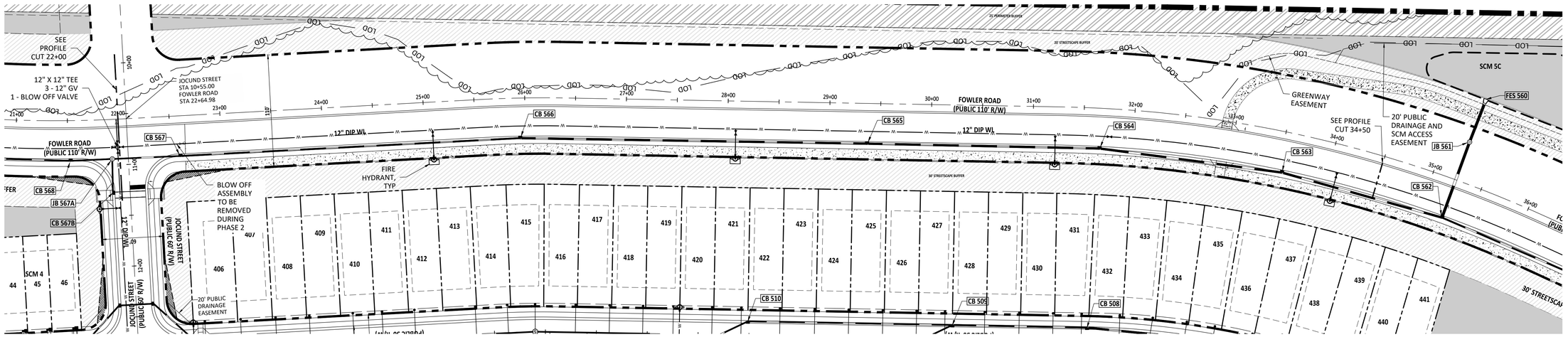
MERRITT RESERVE
FOWLER ROAD PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

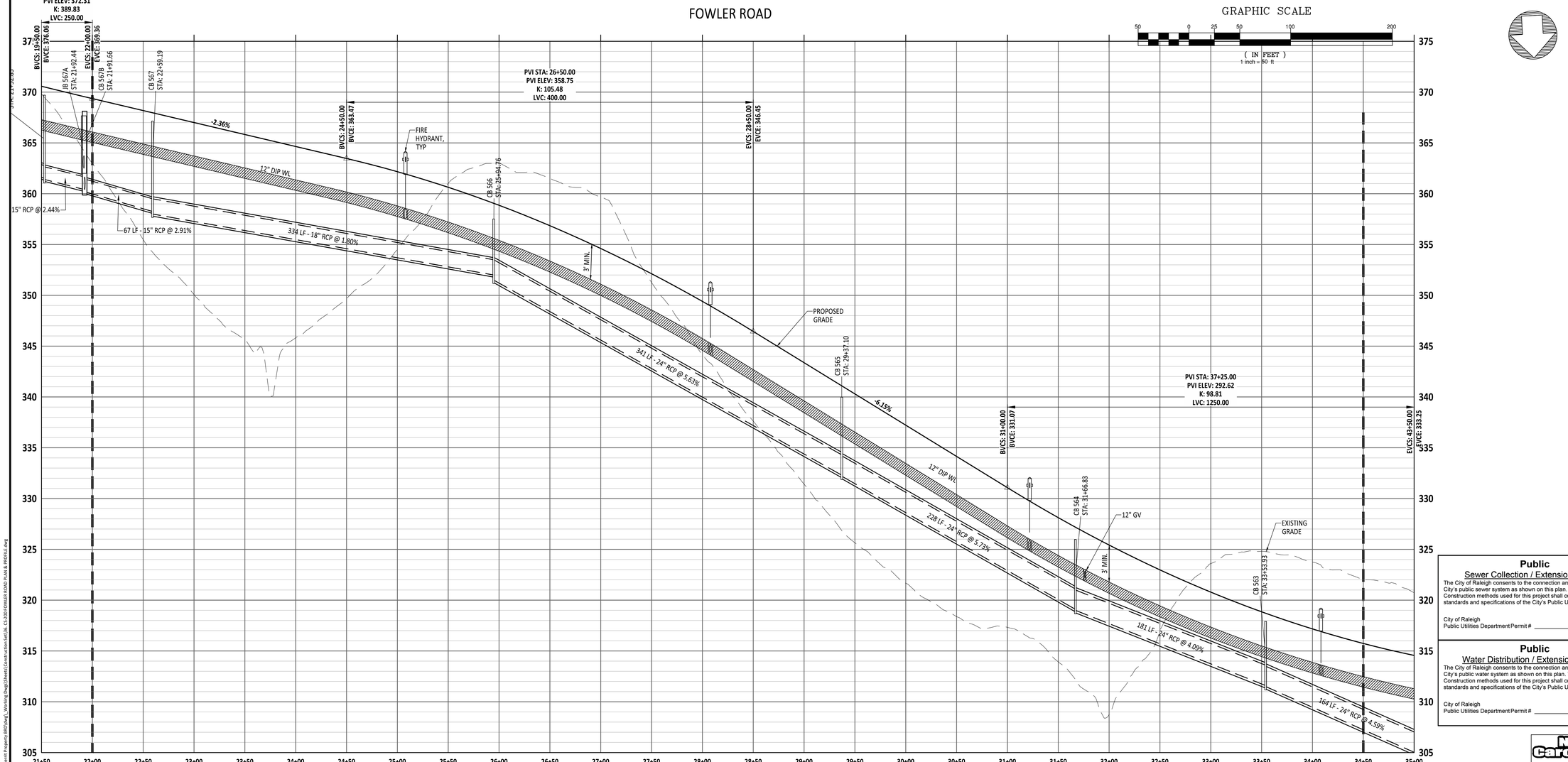
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
FOWLER ROAD PLAN & PROFILE

SHEET NO.:
CS-200

Z:\Jobs\23-0004 Merritt Property BRD\dwg_Working Dwgs\Sheets\Construction Set\SB_CS-200 FOWLER ROAD PLAN & PROFILE.dwg
2025-09-03





FOWLER ROAD 22+00 TO 34+50

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

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

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

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

PRELIMINARY
NOT FOR RECORDATION, CONVEYANCES OR SALES
DO NOT USE FOR CONSTRUCTION
JAKOB P. KLEE
NORTH CAROLINA
ENGINEER
36528
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
FOWLER ROAD 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 PLAN & PROFILE

SHEET NO.:
CS-201

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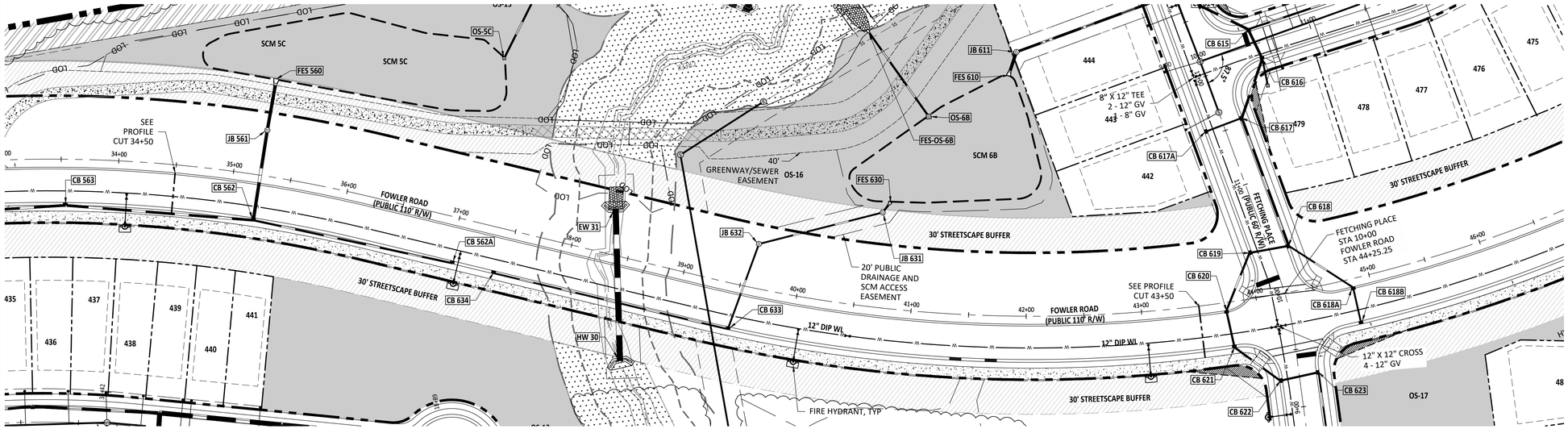
2025-09-03

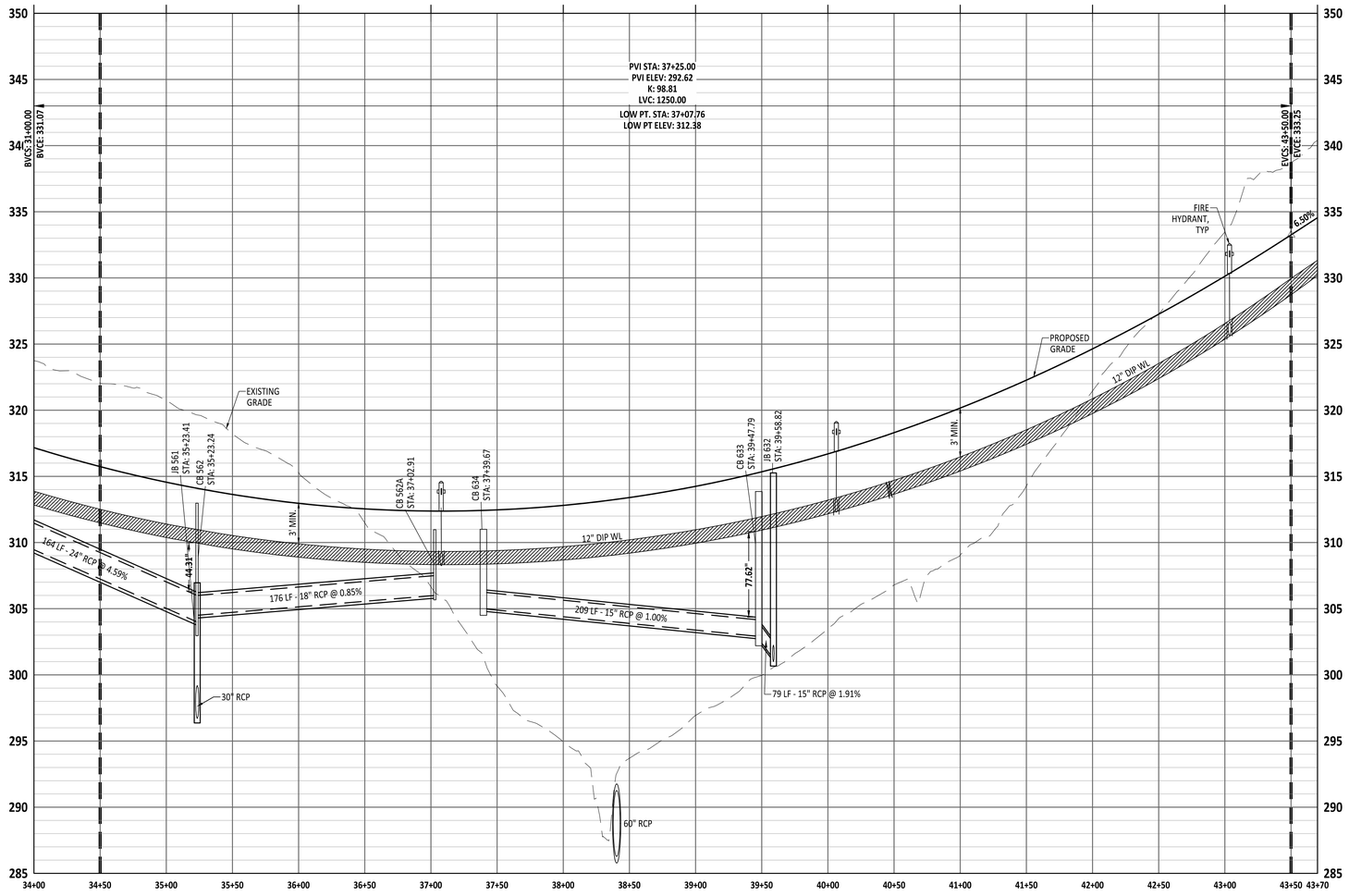


FOWLER ROAD

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft



FOWLER ROAD 34+50 TO 43+50

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

City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

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

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

STIPULATION FOR REUSE

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
FOWLER ROAD 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 PLAN & PROFILE

SHEET NO.:
CS-202

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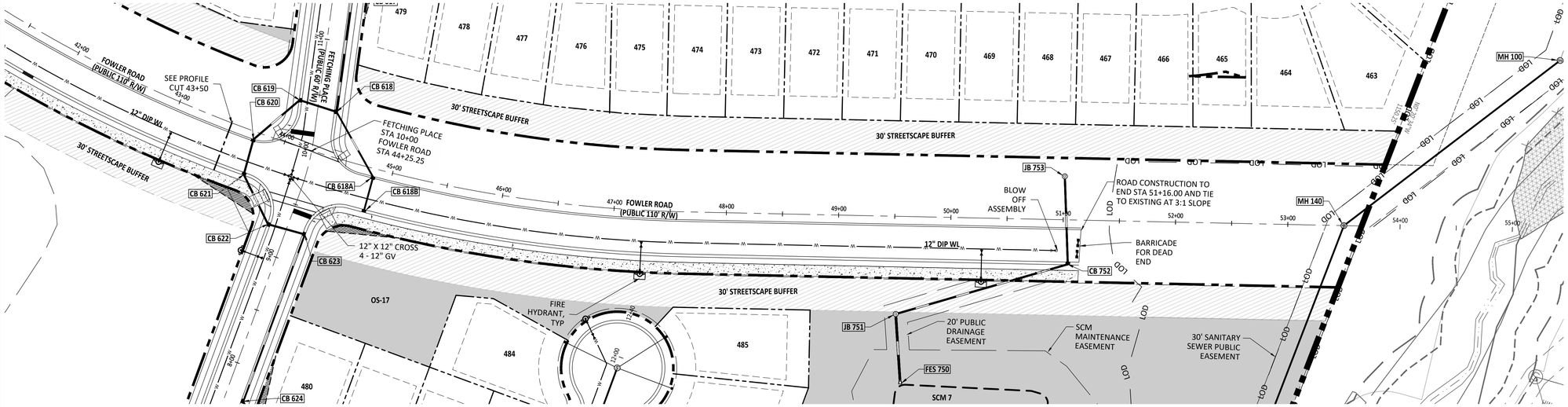
2025-09-03

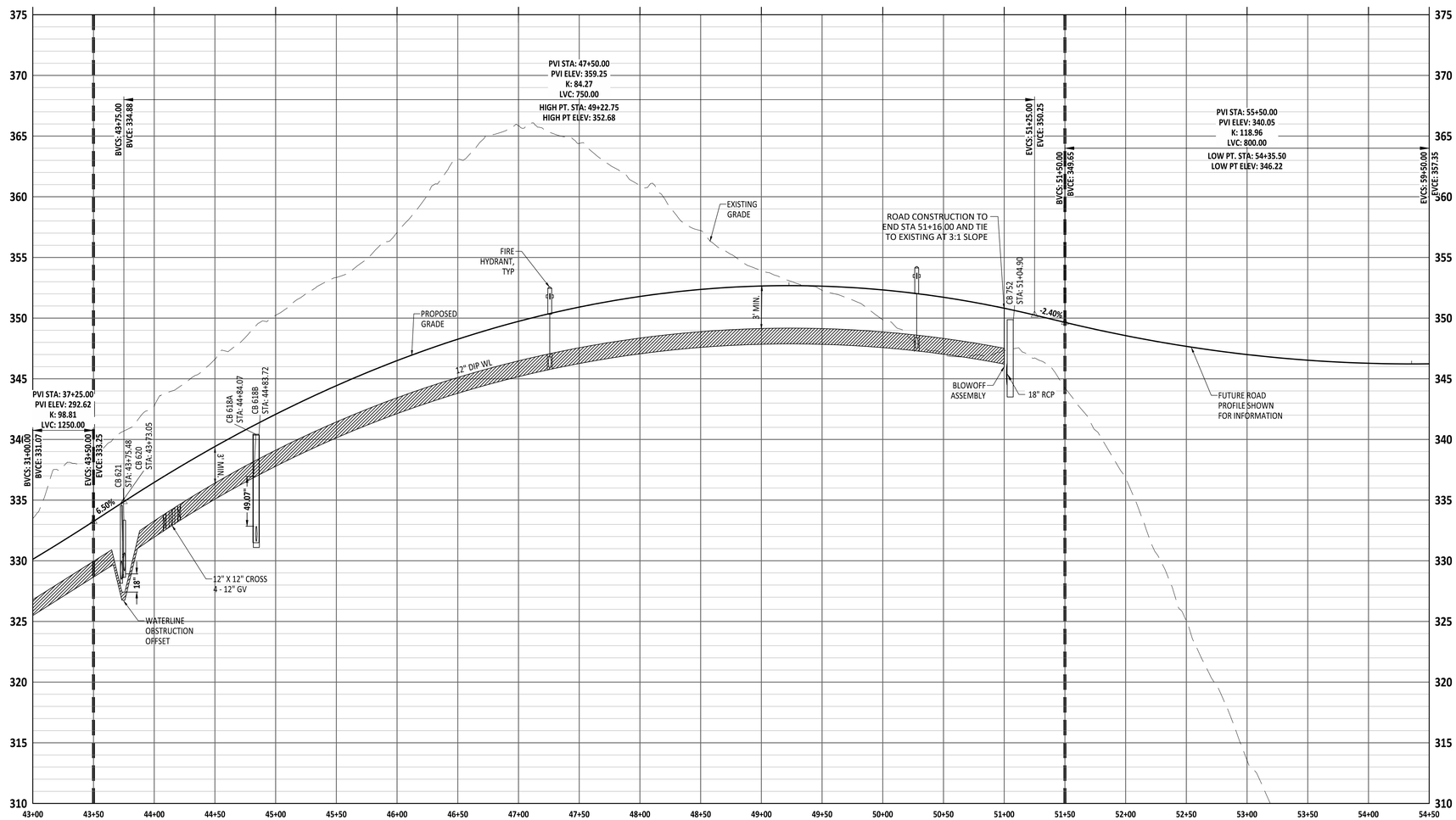


FOWLER ROAD

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft



FOWLER ROAD 43+50 TO 54+50

NOTE:
1. CONTRACTOR TO CONFIRM LOCATION, DEPTH, SIZE, AND MATERIAL OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO AMERICAN ENGINEERING.

Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST, P.A. C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
PRELIMINARY
NOT FOR RECORDATION
NOT TO BE USED FOR CONSTRUCTION
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 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
FOWLER ROAD 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 PLAN & PROFILE

SHEET NO.:
CS-203

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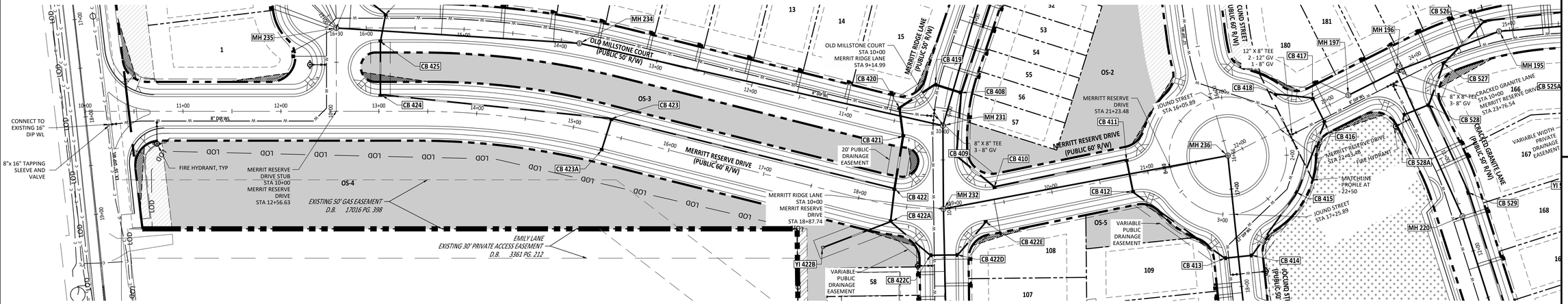
2025-09-03



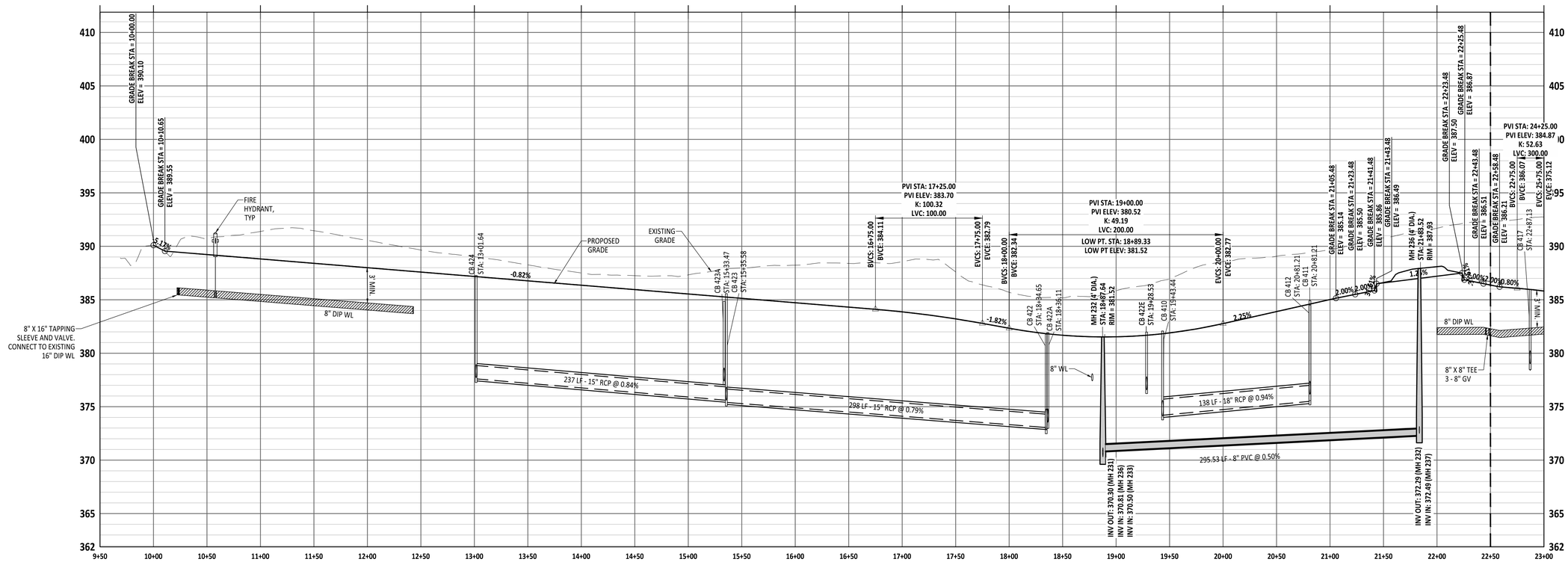
MERRITT RESERVE DRIVE PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

NOTE:
1. **CONTRACTOR TO CONFIRM LOCATION, DEPTH, SIZE, AND MATERIAL OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO AMERICAN ENGINEERING.**



MERRITT RESERVE DRIVE 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

PRELIMINARY
NOT FOR RECORDATION
DO NOT USE FOR CONSTRUCTION
36528
ENGINEER
JAKOB P. KLEES

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

MERRITT RESERVE DR PLAN & PROFILE

ROLESVILLE RD

WAKE COUNTY NC 27312

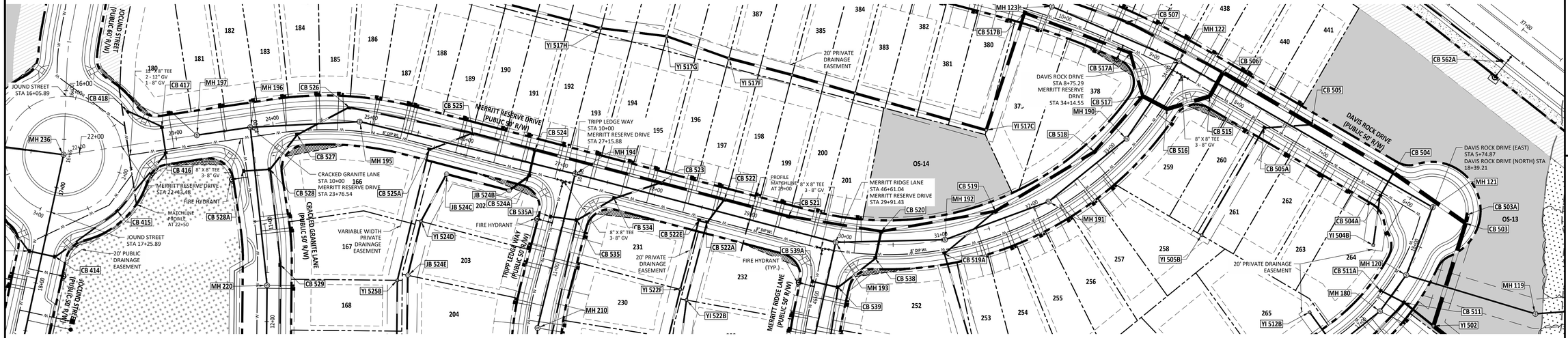
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
MERRITT RESERVE DR PLAN & PROFILE

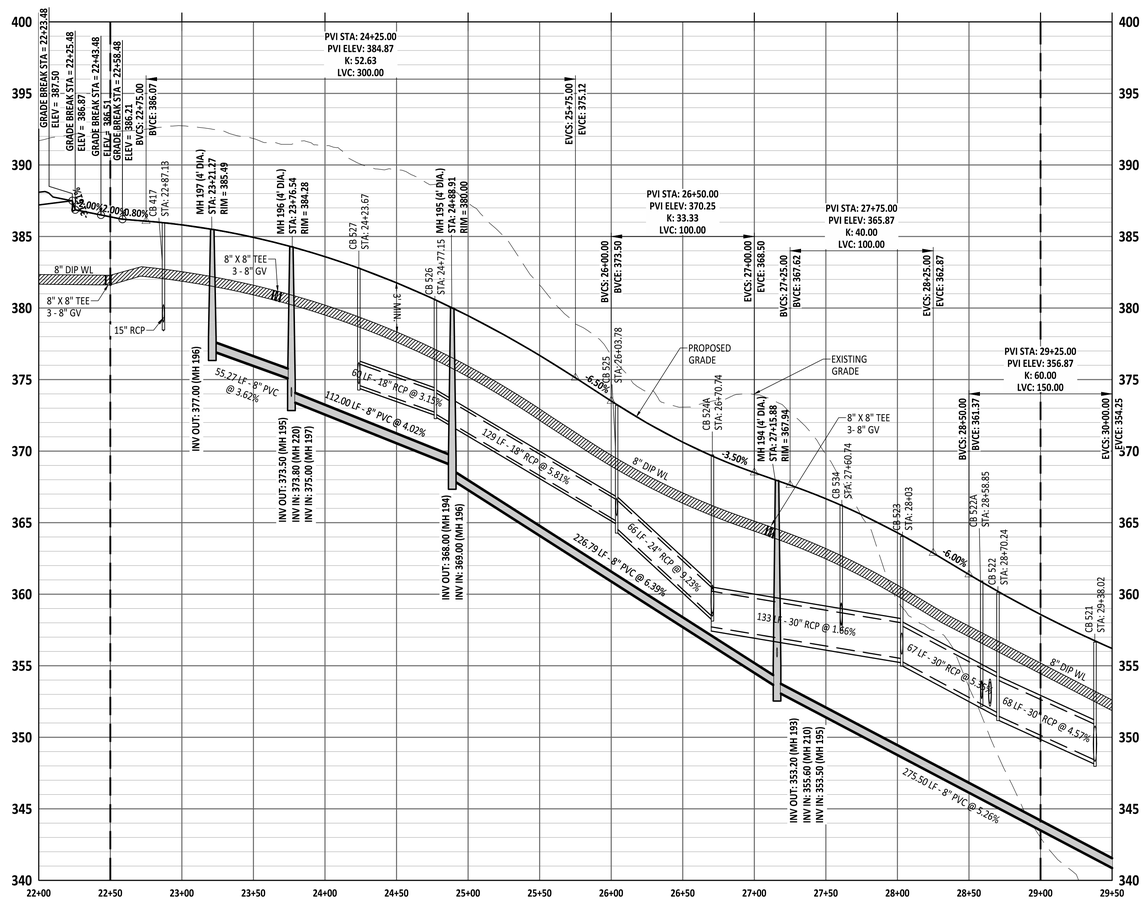
SHEET NO.:
CS-210

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

Z:\Jobs\23-0004 Merrit Property (BRO)\dwg_Working Dwgs\Sheets\Construction Set\37- CS-210 MERRITT RESERVE DR PLAN & PROFILE.dwg
2025-09-03



MERRITT RESERVE DRIVE PLAN & PROFILE



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
DO NOT USE FOR CONSTRUCTION
JAKOB P. KLEE 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
MERRITT RESERVE DR PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

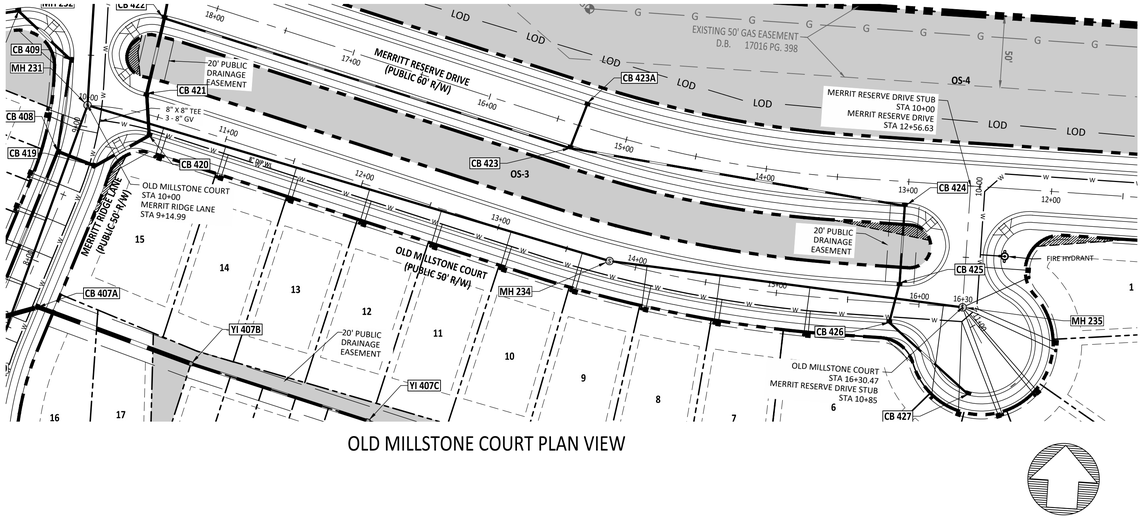
SHEET TITLE:
MERRITT RESERVE DR PLAN & PROFILE

SHEET NO.:
CS-211

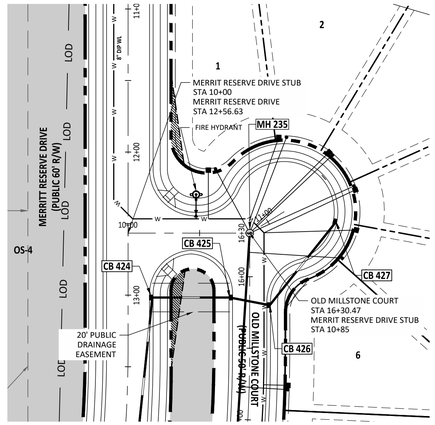
North Carolina 811 811.com
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merritt Property ERP\Dwg_Working Dwgs\Sheets\Construction Set\CS-211 MERRITT RESERVE DR PLAN & PROFILE.dwg

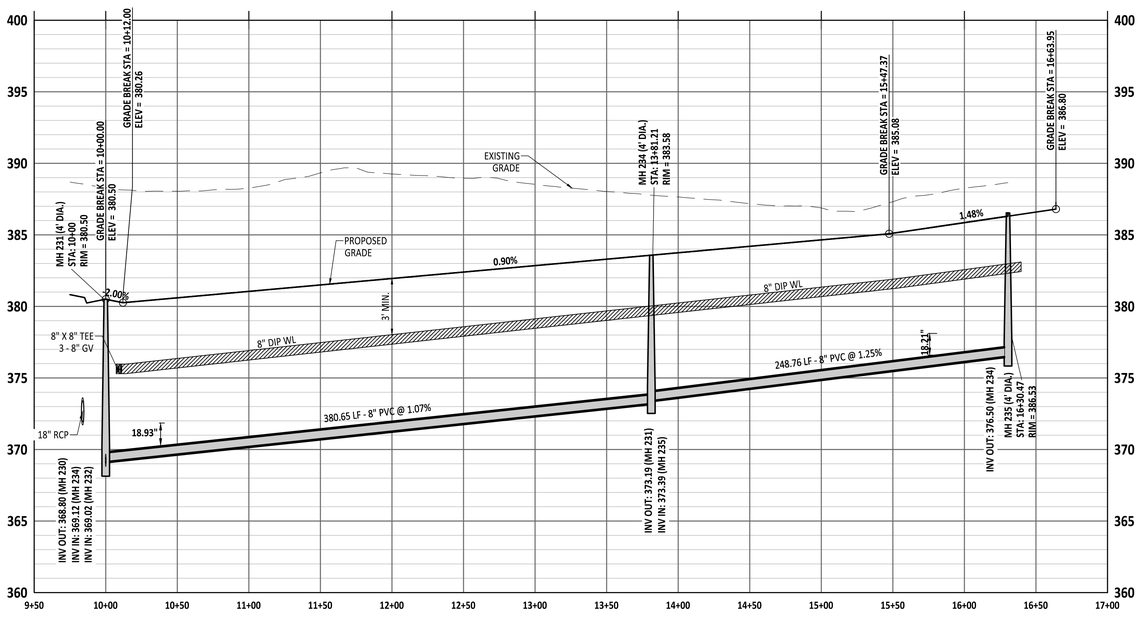
2025-09-03



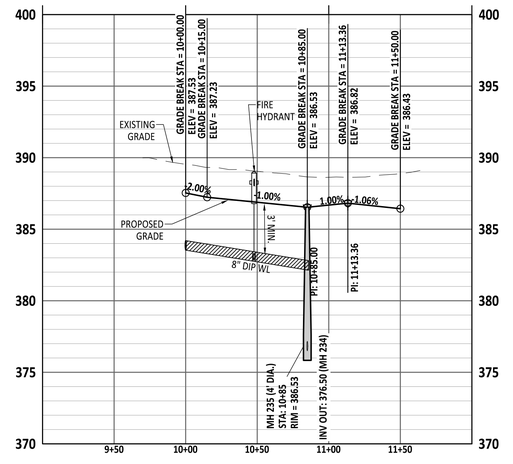
OLD MILLSTONE COURT PLAN VIEW



OLD MILLSTONE COURT PLAN VIEW



OLD MILLSTONE COURT PROFILE VIEW



OLD MILLSTONE COURT PROFILE VIEW

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

Public
Sewer Collection / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

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
PROFESSIONAL ENGINEER
36528
JAKOB P. KLEE

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
OLD MILLSTONE COURT PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

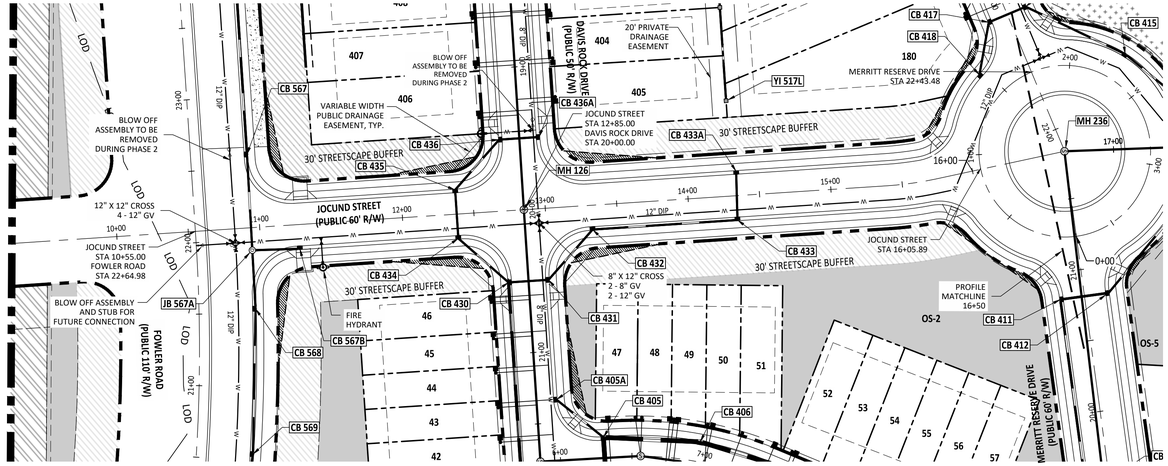
SHEET TITLE:
OLD MILLSTONE COURT PLAN & PROFILE

SHEET NO.:
CS-212

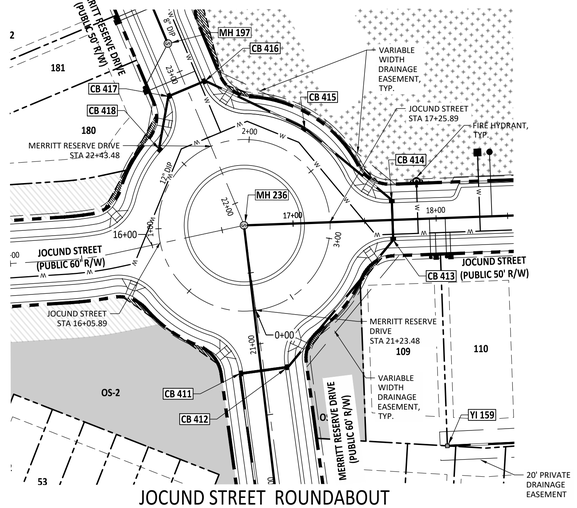
North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Job\23-0004 Merritt Property (BRO)\dwg_Working Dwgs\Sheets\Construction Set\STA. CS-212 OLD MILLSTONE COURT PLAN & PROFILE.dwg

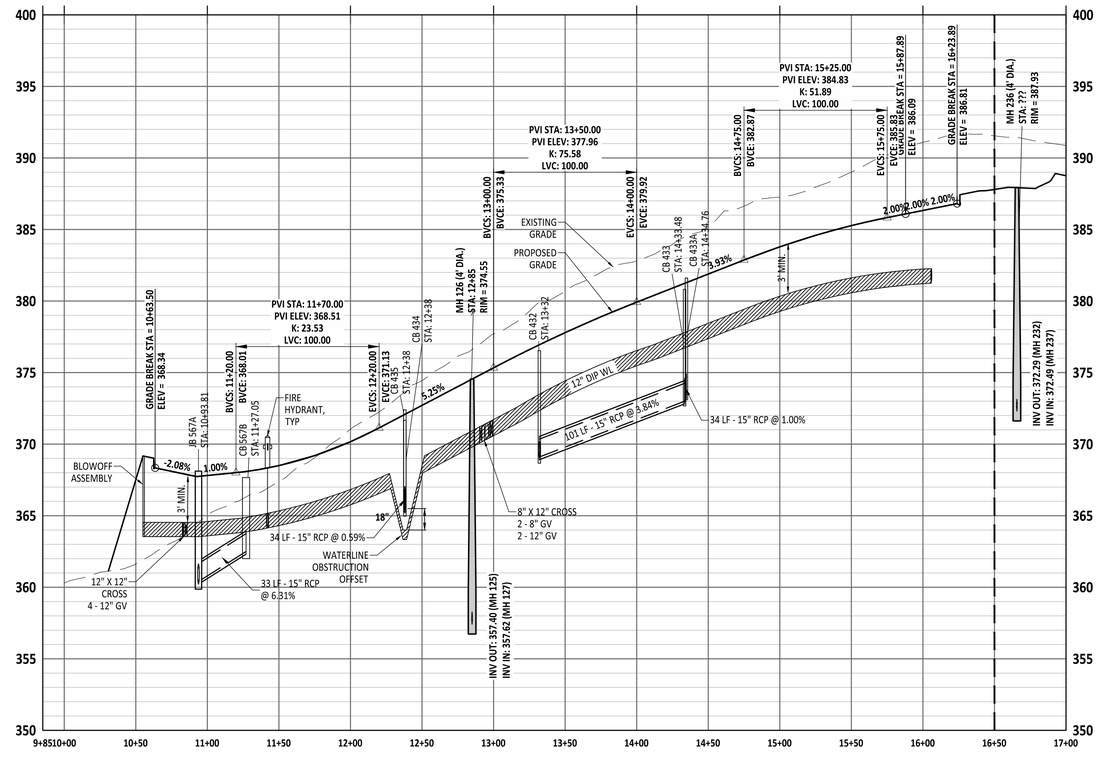
2025-09-03



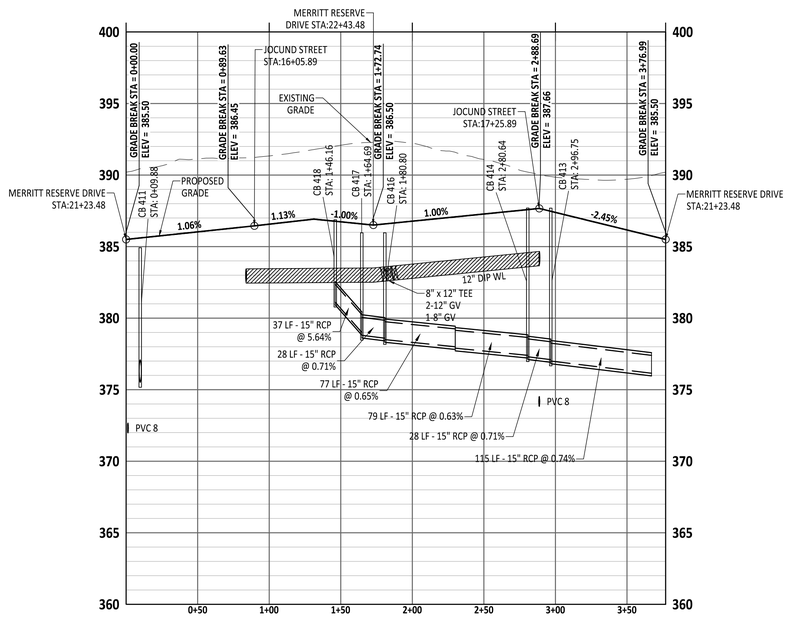
JOCUND STREET PLAN VIEW



JOCUND STREET ROUNDABOUT
PLAN VIEW



JOCUND STREET PROFILE VIEW



JOCUND STREET ROUNDABOUT
PROFILE VIEW

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

Public
Sewer Collection / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

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
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

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
JOCUND STREET PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

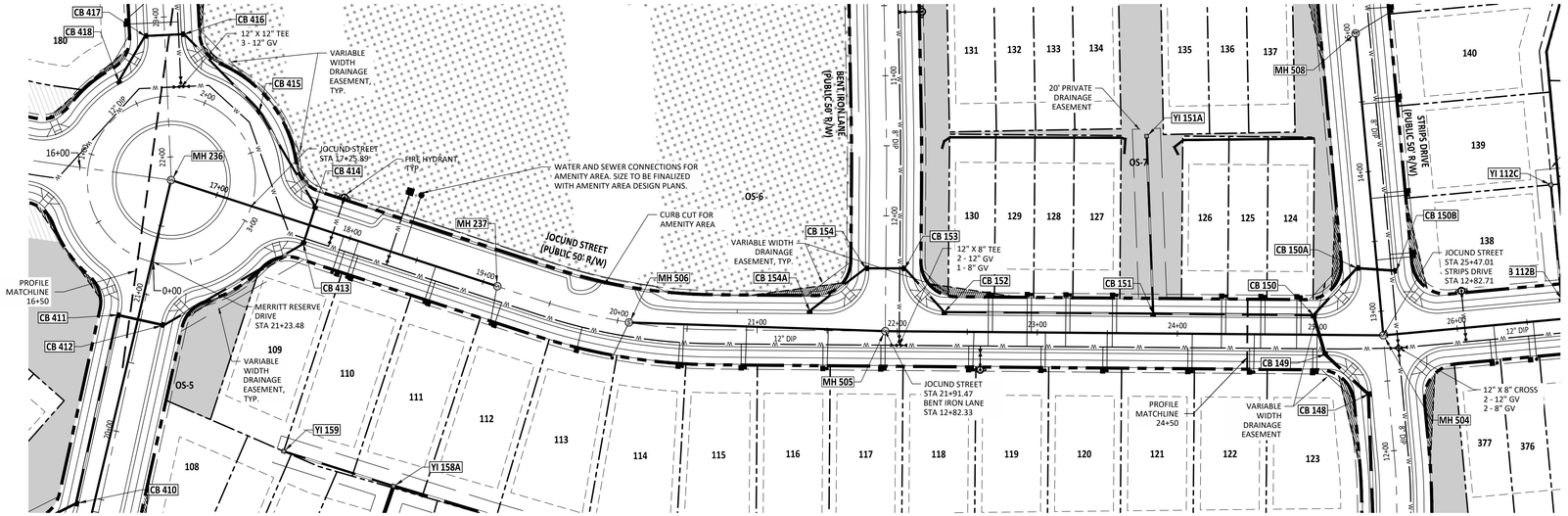
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
JOCUND STREET PLAN & PROFILE

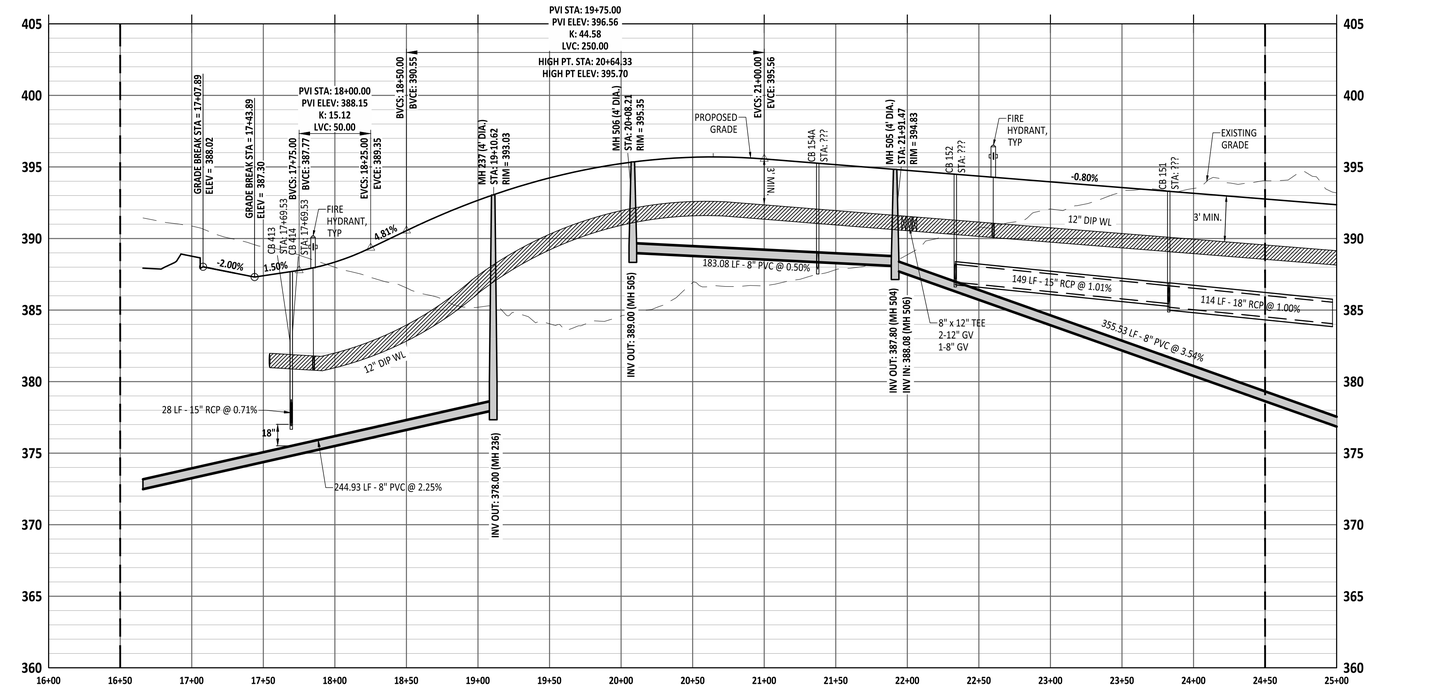
SHEET NO.:
CS-220

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\SB_CS-220 JOCUND STREET PLAN & PROFILE.dwg
2025-09-03



JOCUND STREET PLAN & PROFILE



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

Public
Sewer Collection / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-01-25	FIRST REVISION SET
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
JOCUND STREET PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

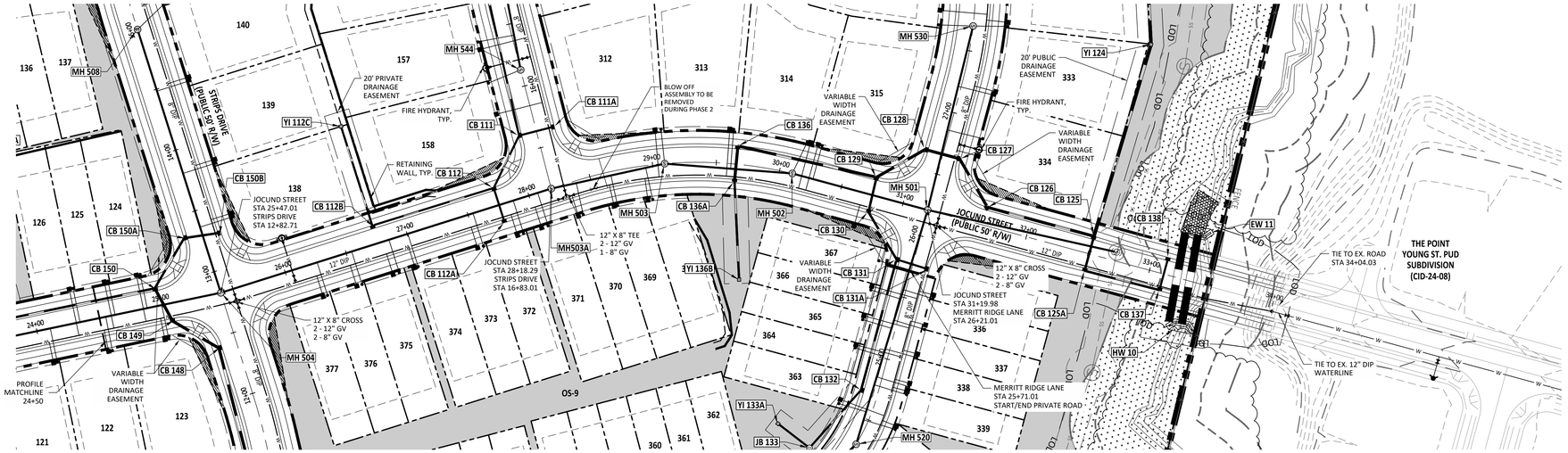
SHEET TITLE:
JOCUND STREET PLAN & PROFILE

SHEET NO.:
CS-221

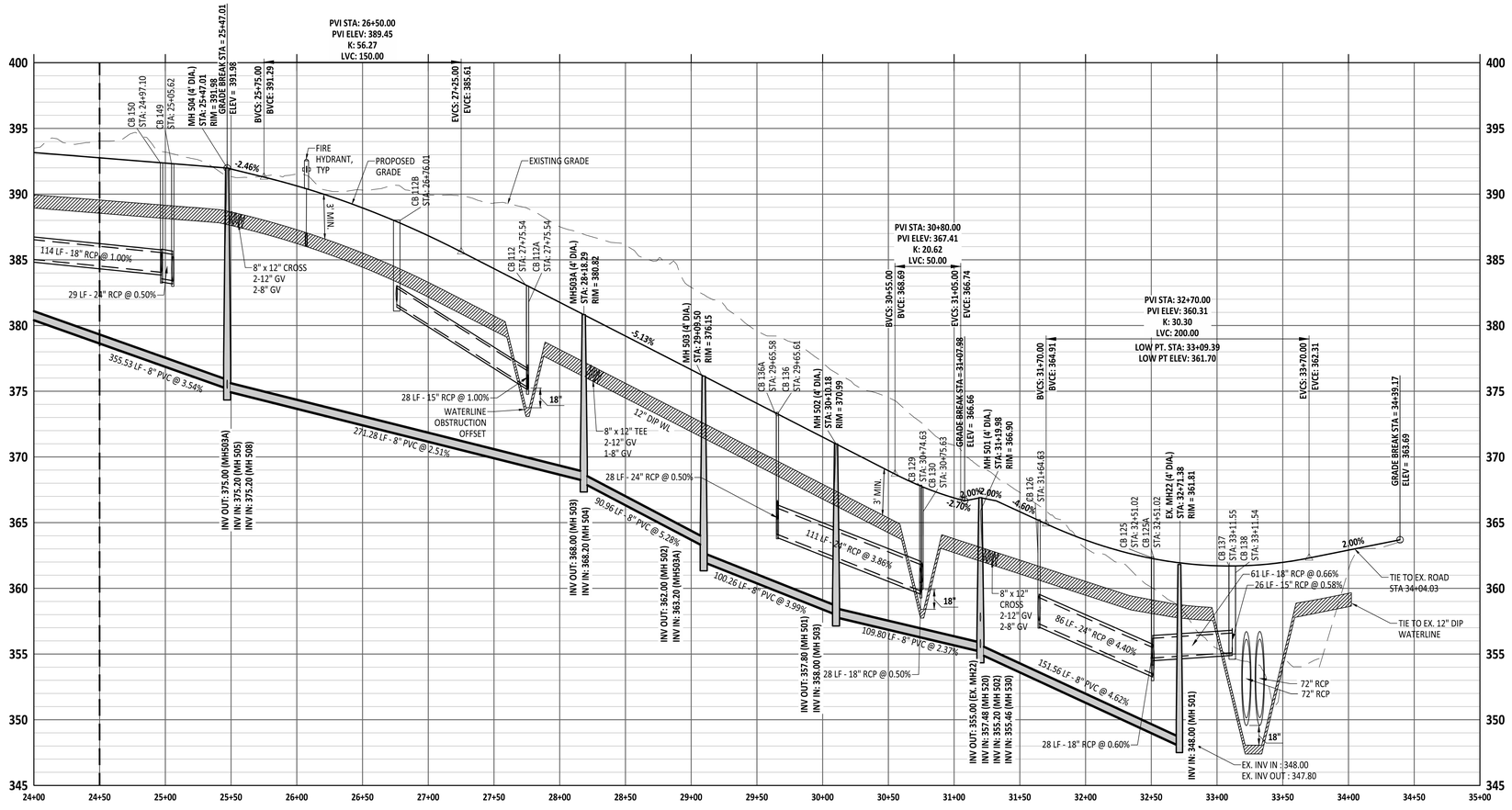
North Carolina 811 Before You Dig
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merritt Property 8850\Dwg_ Working Dwgs\Sheets\Construction Set\08_CS-220 JOCUND STREET PLAN & PROFILE.dwg

2025-09-03



JOCUND STREET PLAN & PROFILE



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

PROJECT NUMBER = CID-25-02

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

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

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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
JOCUND STREET PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

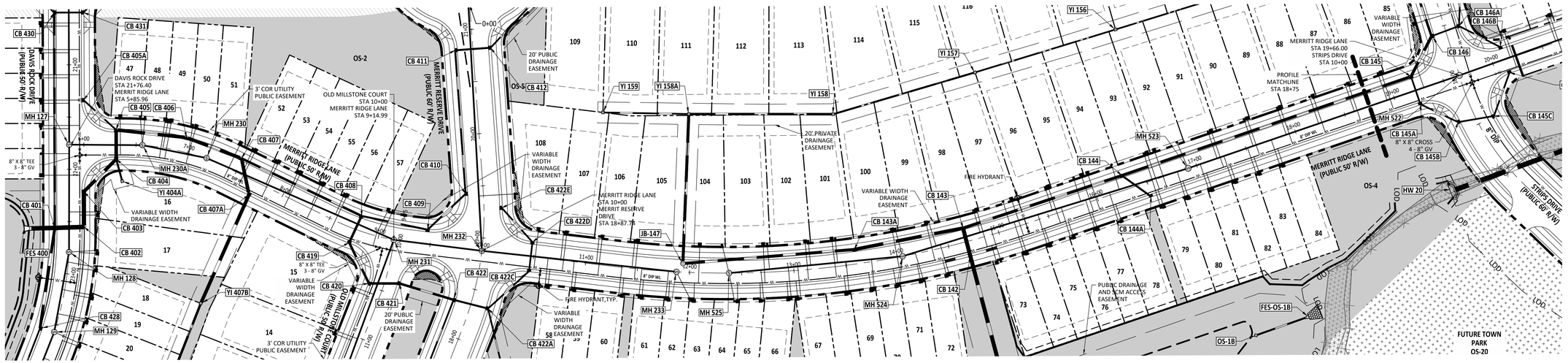
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
JOCUND STREET PLAN & PROFILE

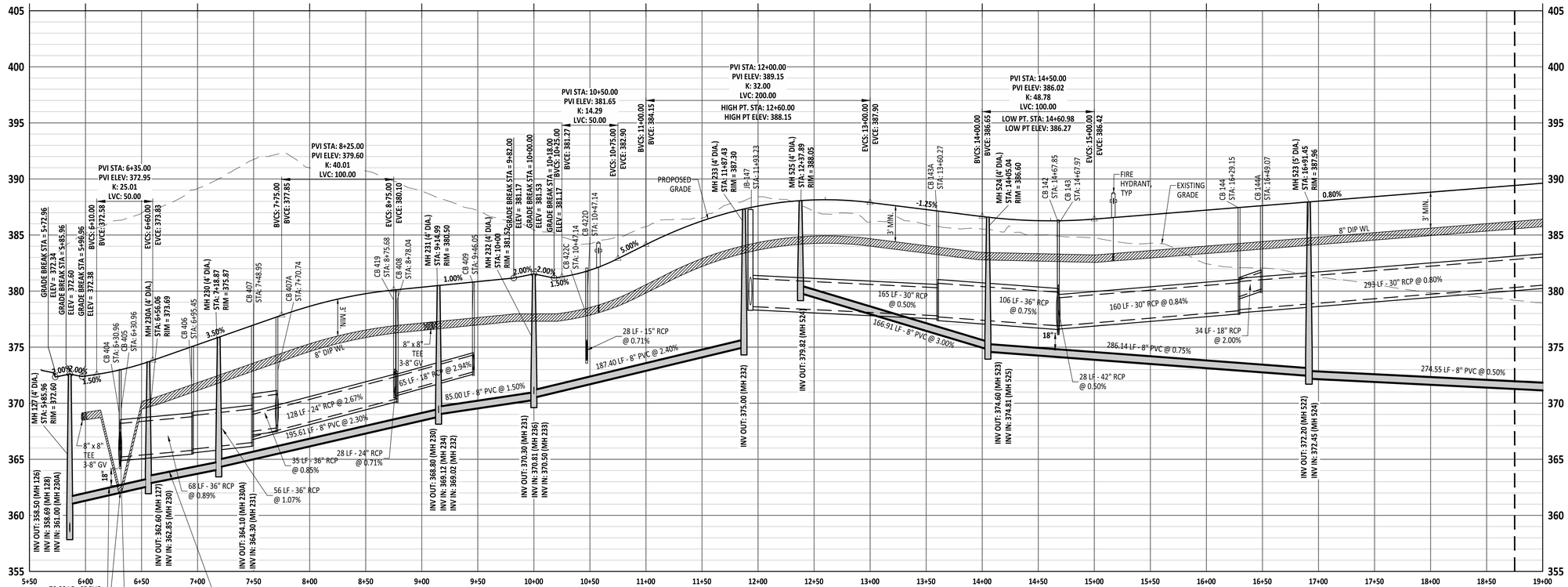
SHEET NO.:
CS-222

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

Z:\Jobs\23-0004 Merritt Property BRP\Dwg_Working Dwgs\Sheets\Construction Set\SB. CS-220 JOCUND STREET PLAN & PROFILE.dwg
2025-09-03



MERRITT RIDGE LANE PLAN VIEW



MERRITT RIDGE LANE PROFILE VIEW

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

PRELIMINARY
NOT FOR CONSTRUCTION
NORTH CAROLINA REGISTERED 36528 ENGINEER JAKOB P. KLEE
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
MERRITT RIDGE LANE PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

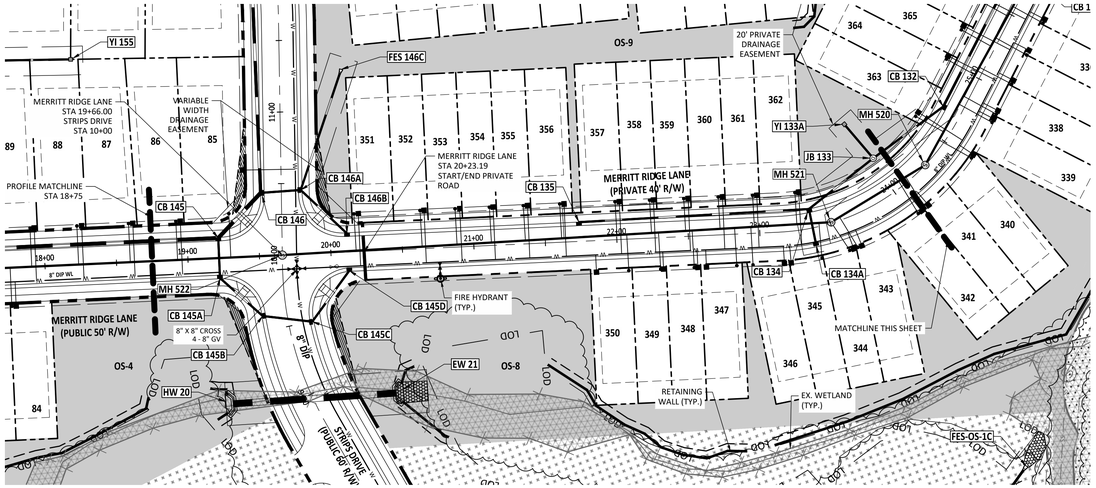
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

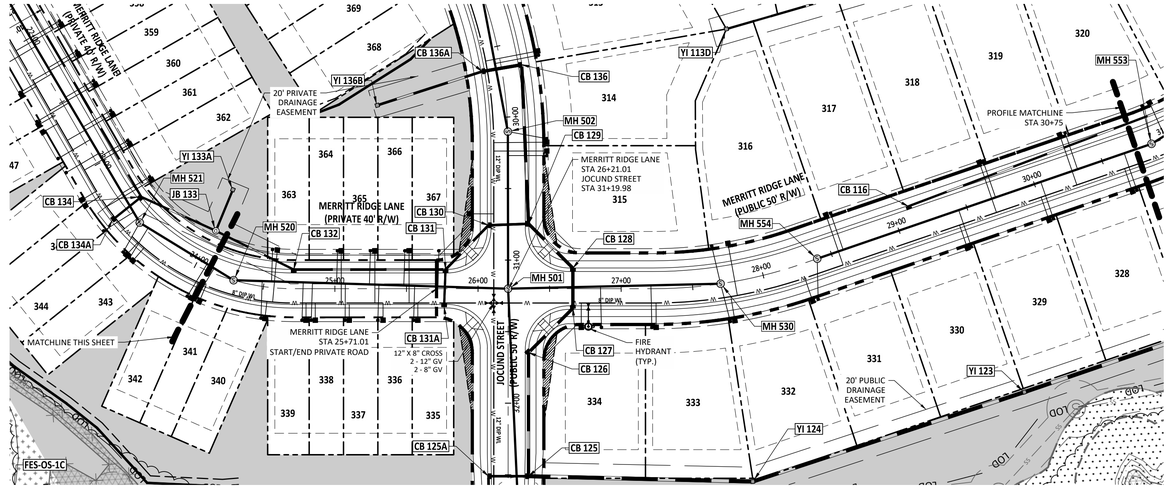
SHEET TITLE:
MERRITT RIDGE LANE PLAN & PROFILE

SHEET NO.:
CS-230

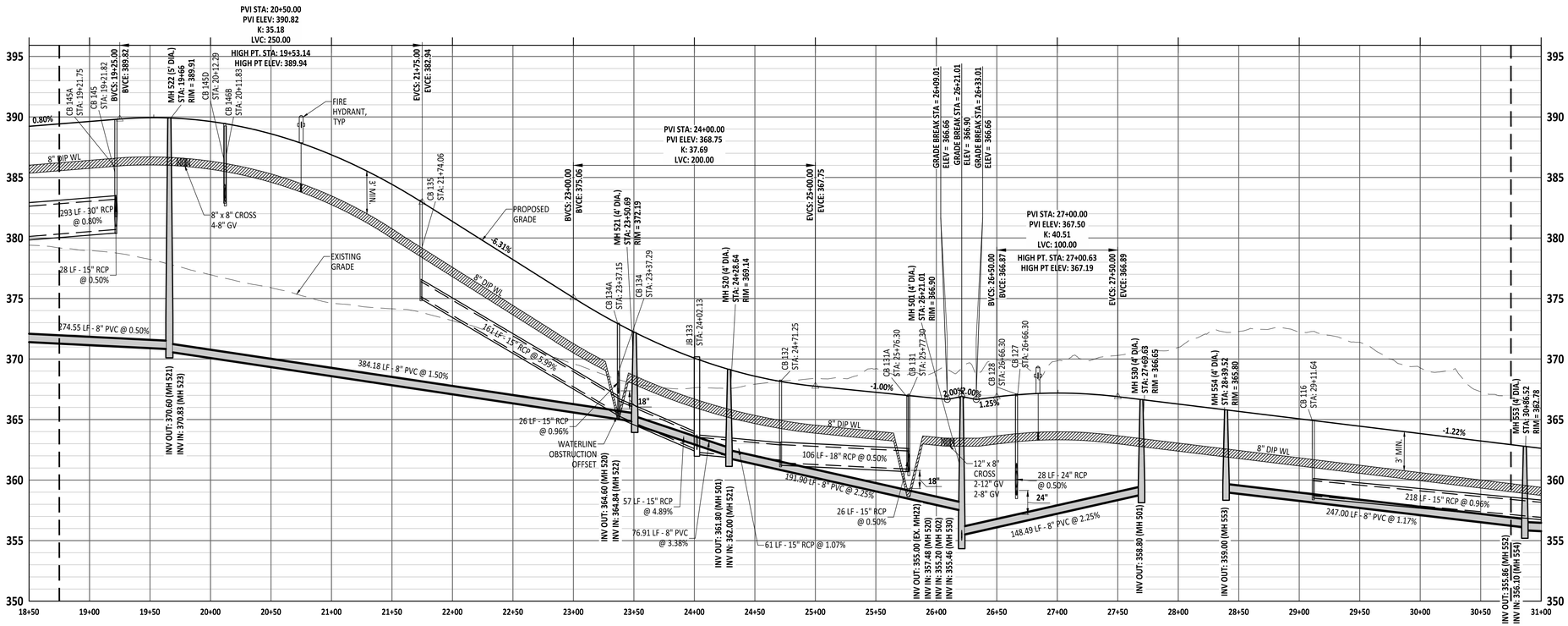
Z:\Jobs\23-0004 Merritt Property (BTP)\wp\L_Working Dwgs\Sheets\Construction Set\10- CS-230 MERRITT RIDGE LN PLAN & PROFILE.dwg

2025-09-03





MERRITT RIDGE LANE PLAN & PROFILE



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

Public

Sewer Collection / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

Public

Water Distribution / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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
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

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.

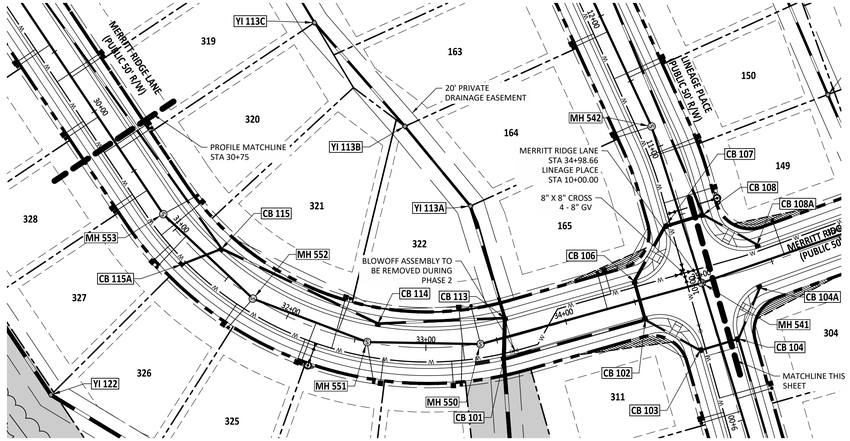
MERRITT RESERVE
MERRITT RIDGE LN PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

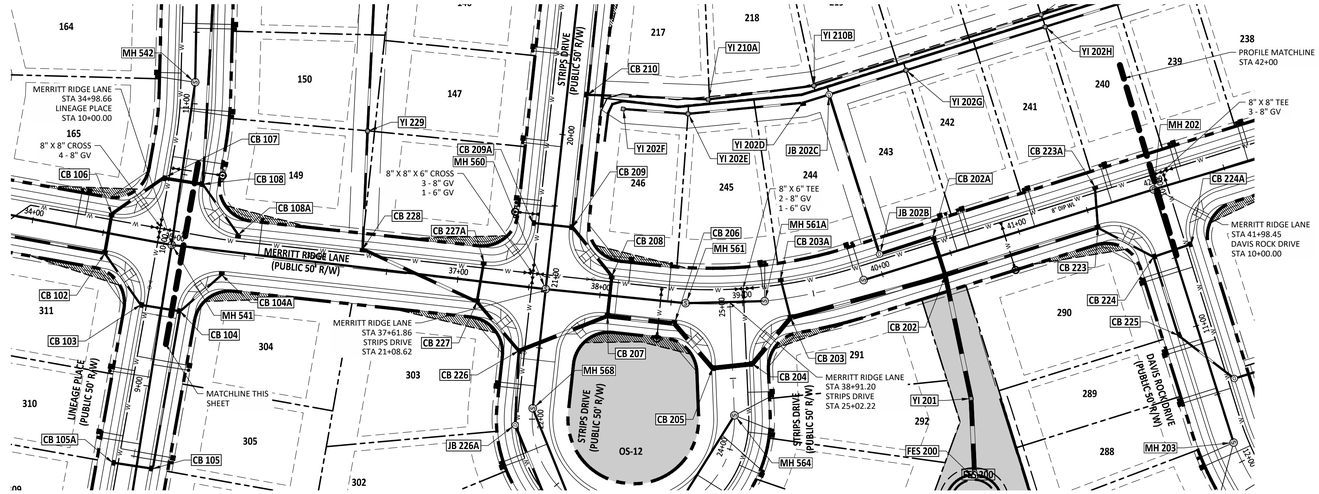
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LI
DATE:	08/04/2025

SHEET TITLE:
MERRITT RIDGE LN PLAN & PROFILE

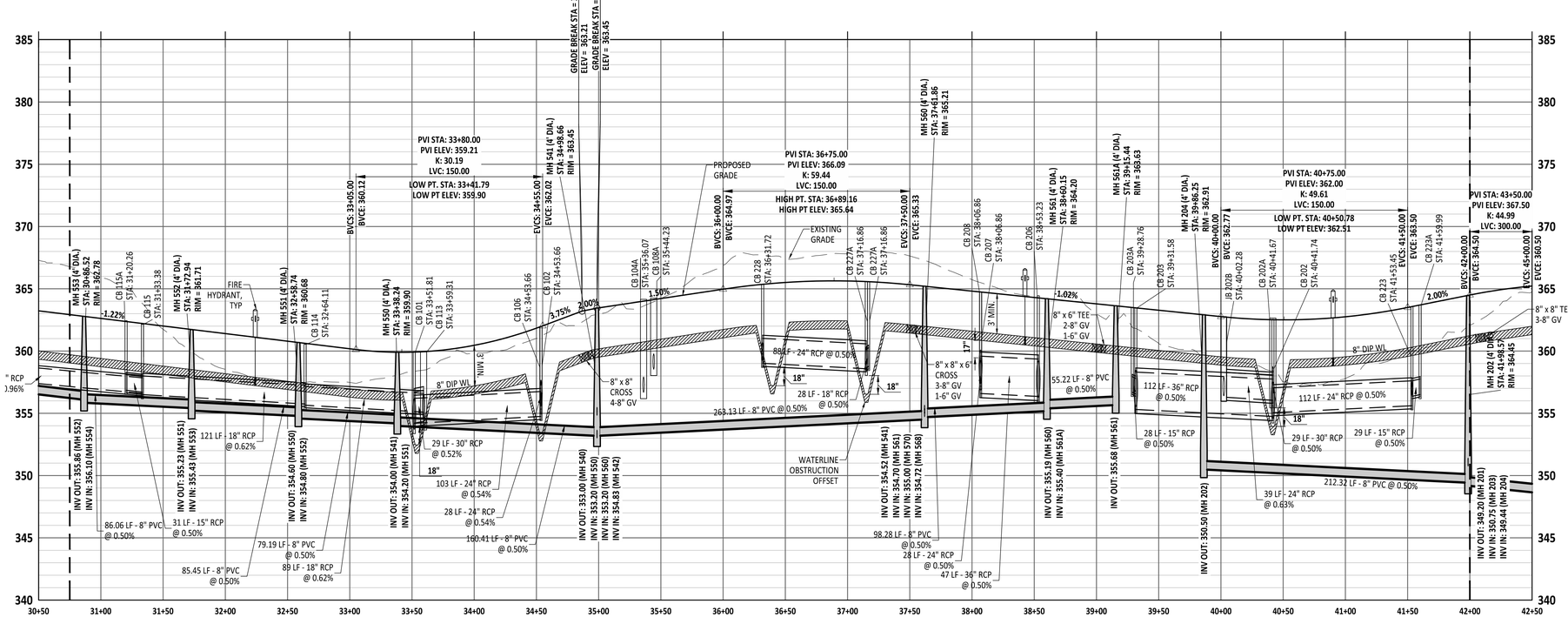
SHEET NO.:
CS-231

T:\Job\23-0004 Merritt Property 889\Dwg_Working Dwgs\Sheets\Construction Set\CS-230 MERRITT RIDGE LN PLAN & PROFILE.dwg
2025-09-03





MERRITT RIDGE LANE PLAN & PROFILE



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

Public

Sewer Collection / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

Public

Water Distribution / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

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, CONVEYANCES OR SALES DO NOT USE FOR CONSTRUCTION

JACOB P. KLEIN 36528 ENGINEER

FOR INFORMATION, ONLY

NO.	DATE	REVISION:
1	07-03-25	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

MERRITT RIDGE LN 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 RIDGE LN PLAN & PROFILE

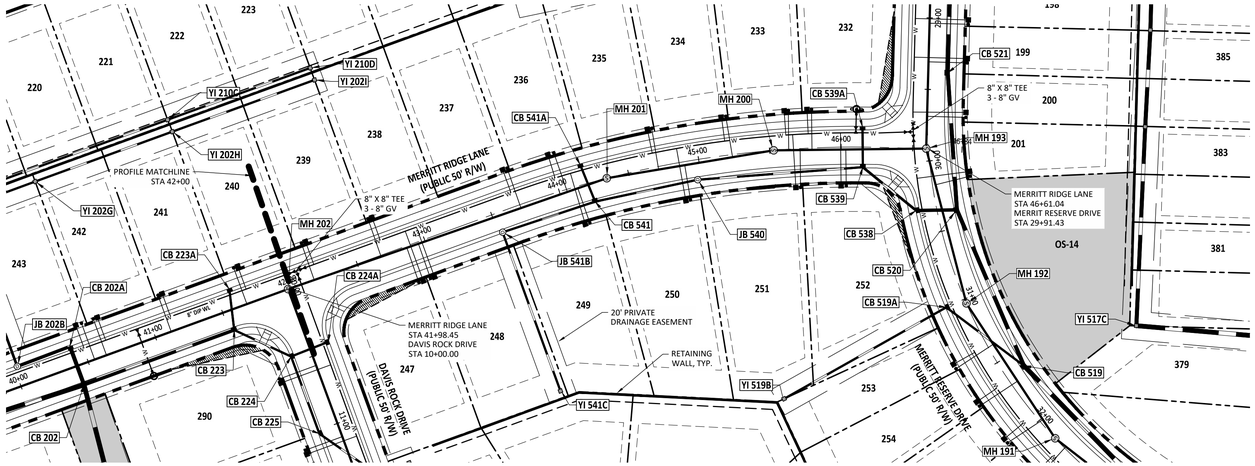
SHEET NO.:

CS-232

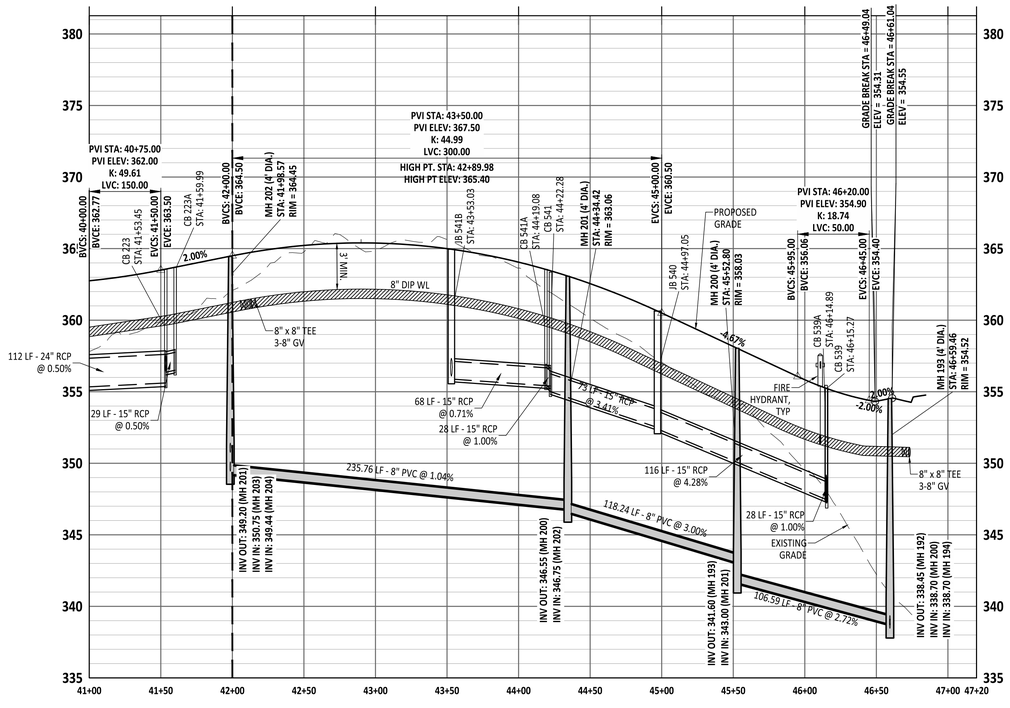
North Carolina 811
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merrit Property BWO\Dwg_Working Dwgs\Sheets\Construction Set\CS-232 MERRITT RIDGE LN PLAN & PROFILE.dwg

2025-09-03



MERRITT RIDGE LANE PLAN & PROFILE



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

PRELIMINARY
PRELIMINARY
NOT FOR CONSTRUCTION
DO NOT USE FOR CONSTRUCTION
NORTH CAROLINA — 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

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
MERRITT RIDGE LN 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 RIDGE LN PLAN & PROFILE

SHEET NO.:
CS-233

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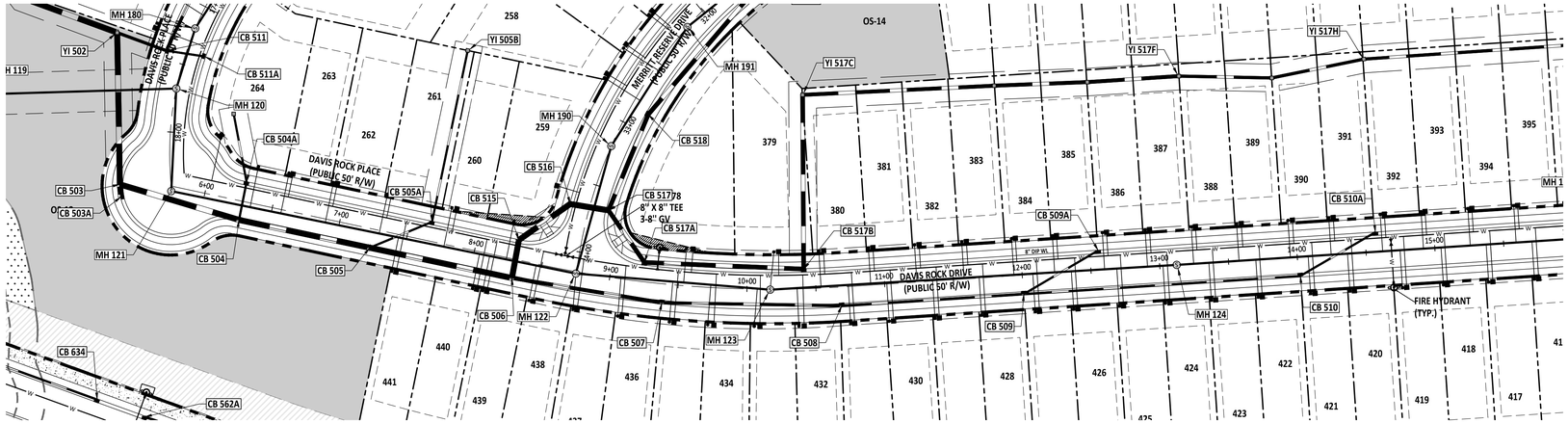
2025-09-03

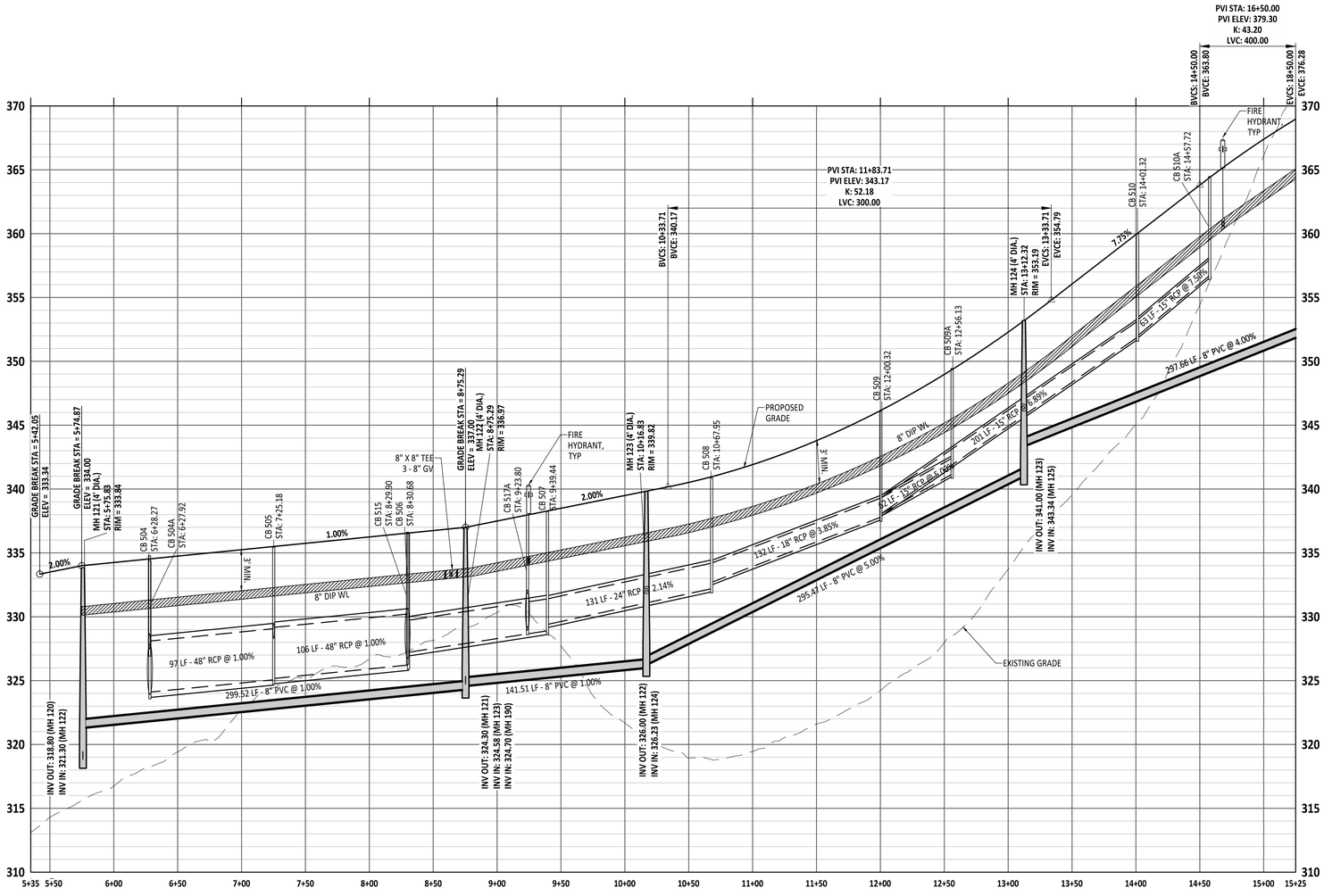


DAVIS ROCK DRIVE PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft



DAVIS ROCK DRIVE PROFILE

Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

PRELIMINARY
NORTH CAROLINA 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
DAVIS ROCK DRIVE 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:
DAVIS ROCK DRIVE PLAN & PROFILE

SHEET NO.:
CS-240

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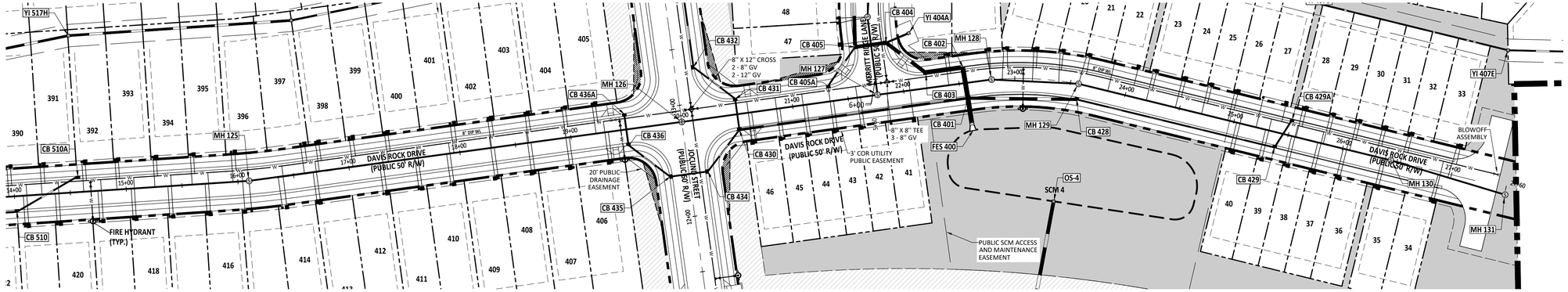
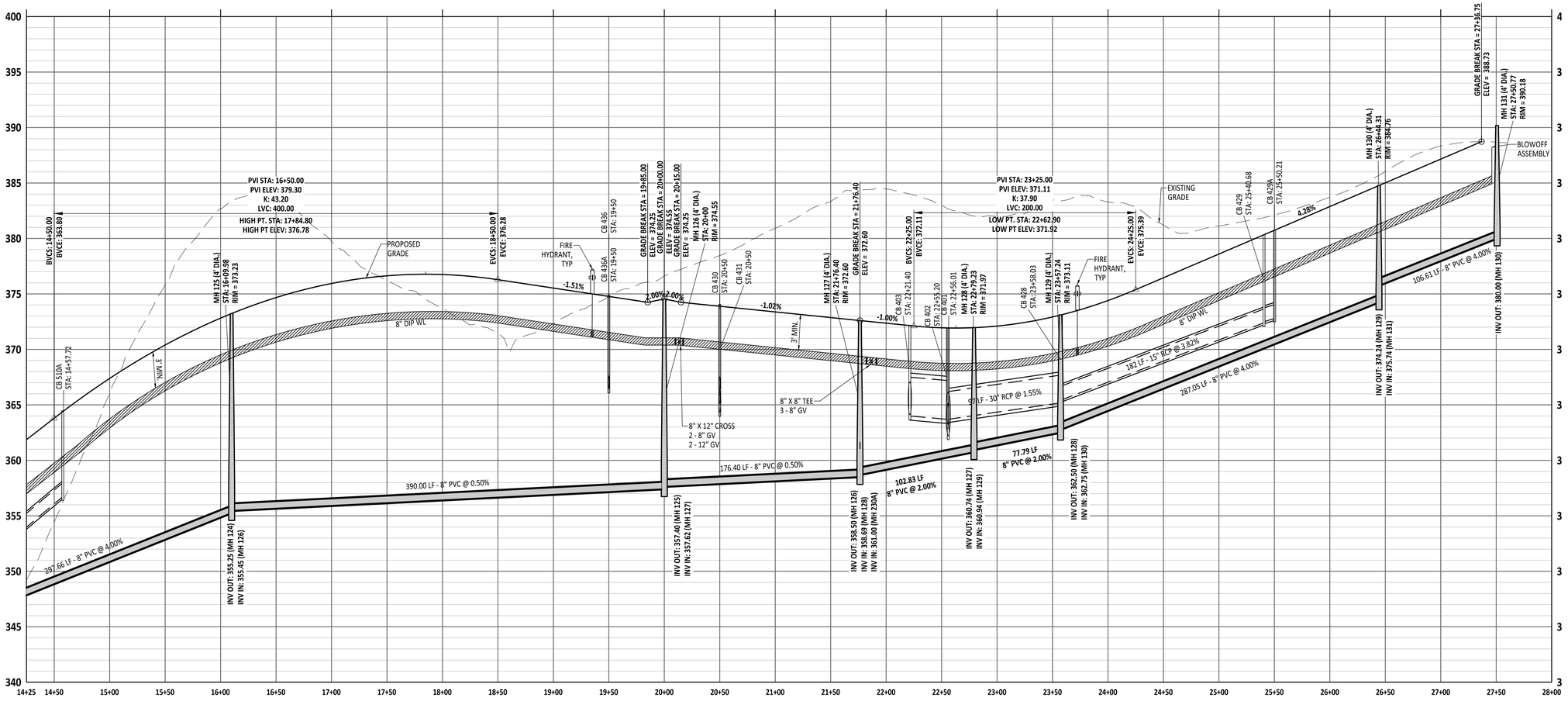
2025-09-03



DAVIS ROCK DRIVE PLAN



DAVIS ROCK DRIVE PROFILE

GRAPHIC SCALE

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(IN FEET)

1 inch = 50 ft

Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

NO.	DATE	REVISION:
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2	08-05-25	SECOND WAKE COUNTY SUBMITTAL

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MERRITT RESERVE
DAVIS ROCK DRIVE PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

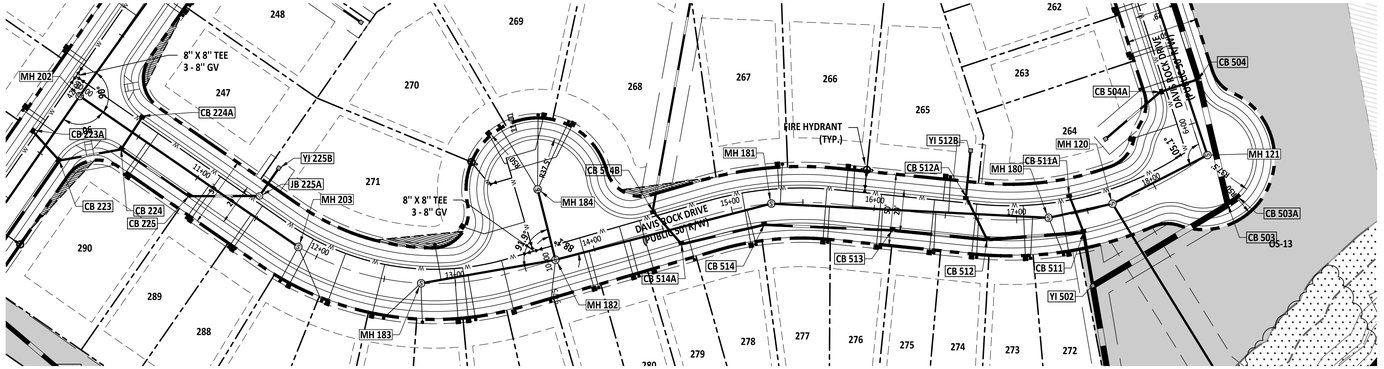
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

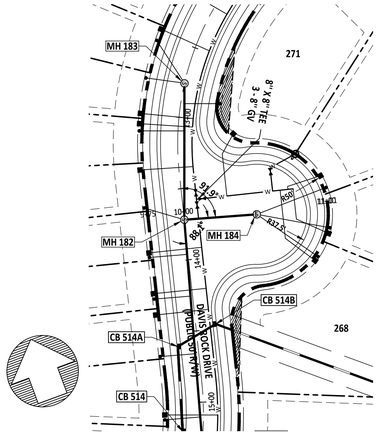
SHEET TITLE:
DAVIS ROCK DRIVE PLAN & PROFILE

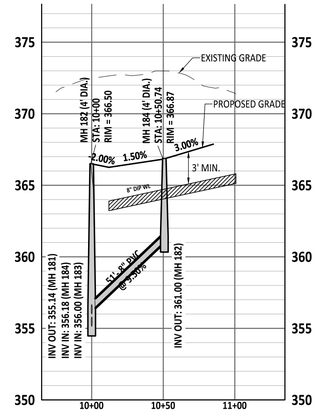
SHEET NO.:
CS-241

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

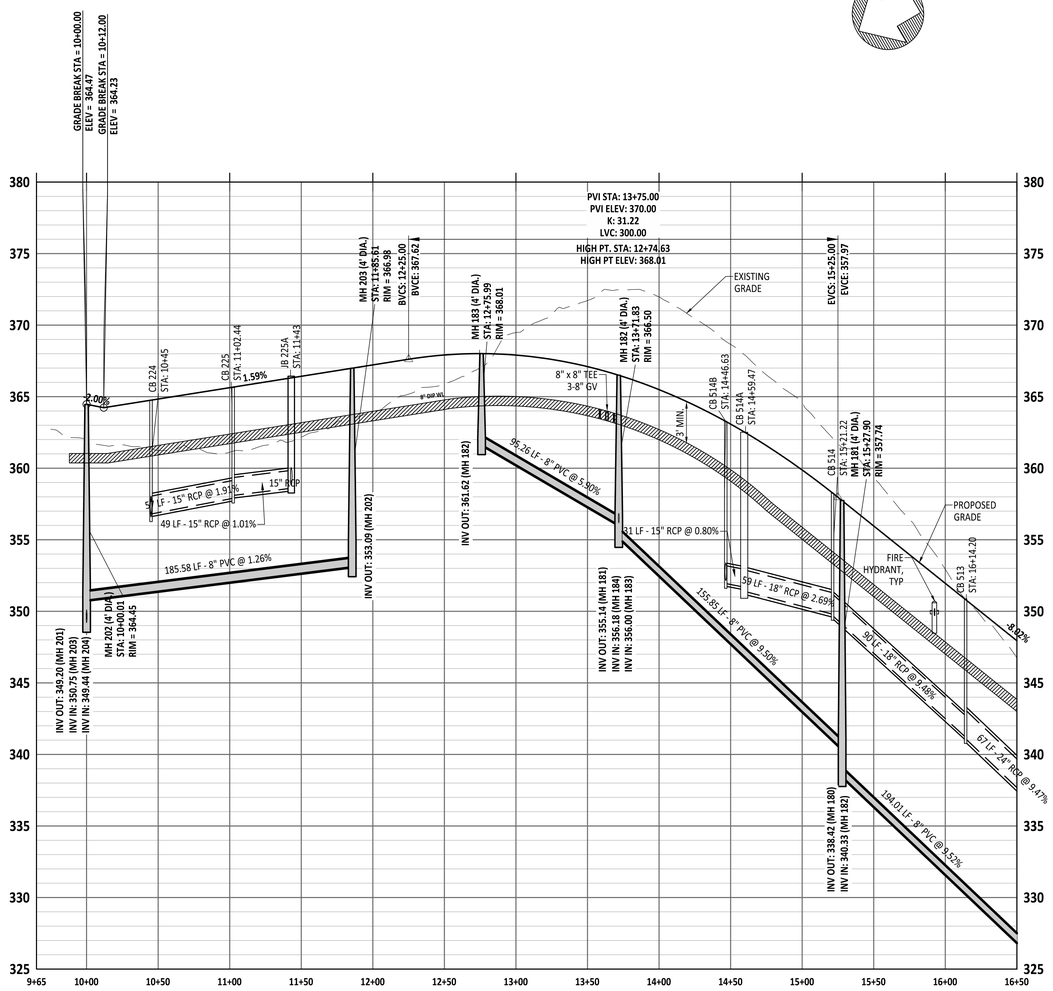
Z:\Jobs\23-0004 Merritt Property BRS\Revit_ Working Dwgs\Sheets\Construction Set\41. CS-240-242 DAVIS ROCK DR PLAN & PROFILE.dwg
2025-09-03

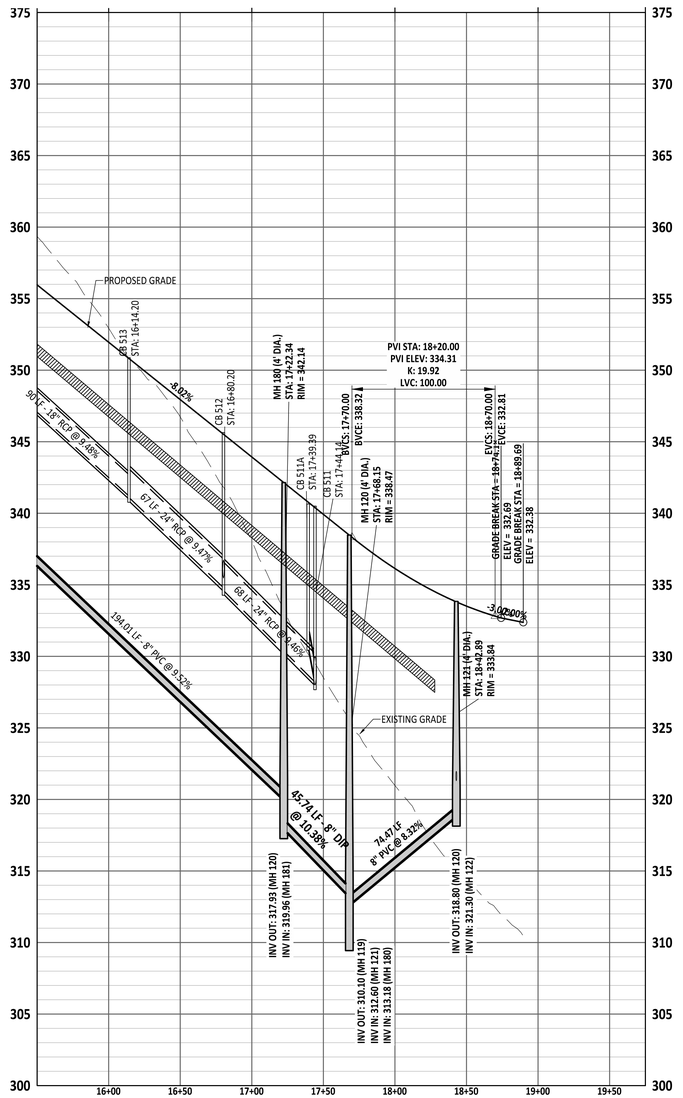






DAVIS ROCK DRIVE PLAN & PROFILE





GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

Public

Sewer Collection / Extension System

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City of Raleigh
Public Utilities Department Permit # _____

Public

Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

North 811 Carolina 1-Call

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

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

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

PRELIMINARY

NORTH CAROLINA PROFESSIONAL ENGINEER 36528 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

DAVIS ROCK DRIVE 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:

DAVIS ROCK DRIVE PLAN & PROFILE

SHEET NO.:

CS-242

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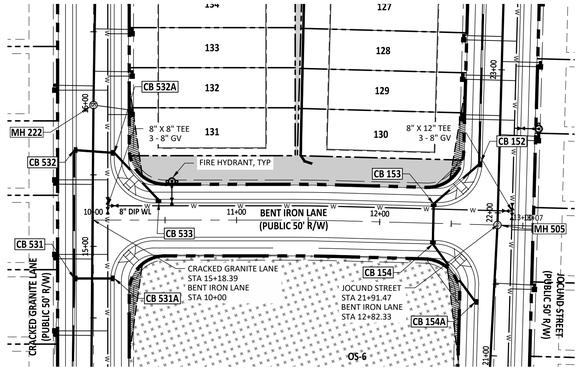
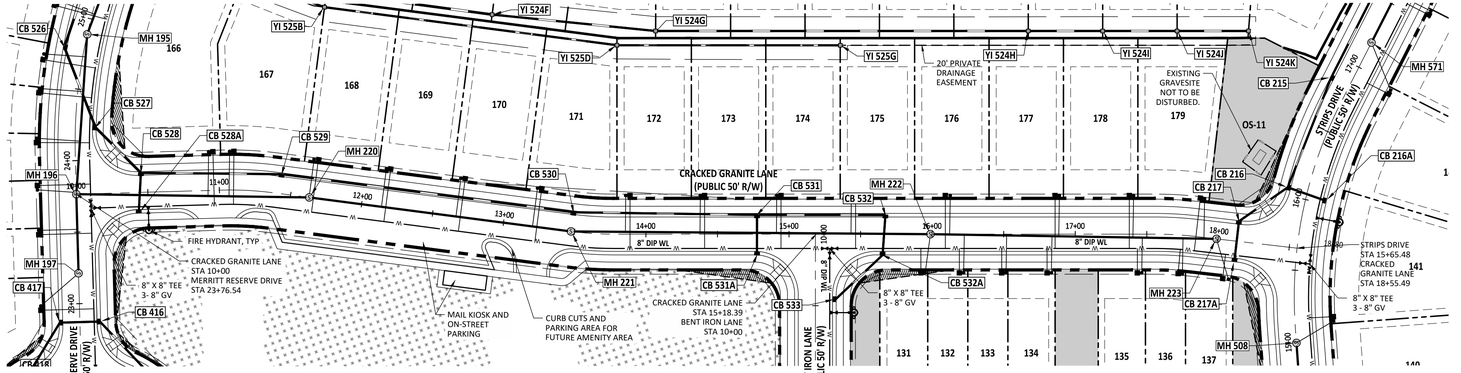
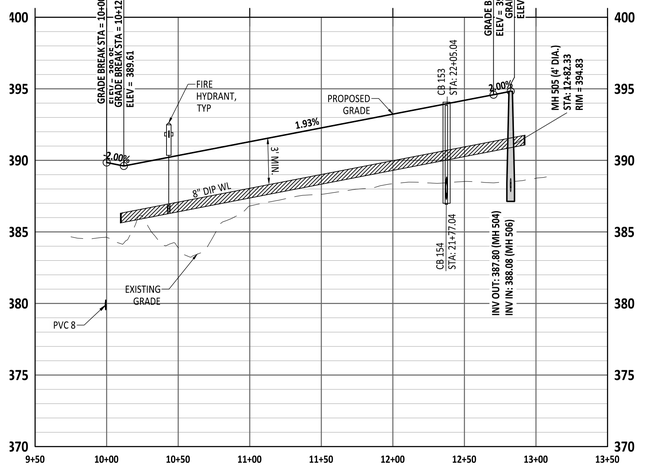
2025-09-03

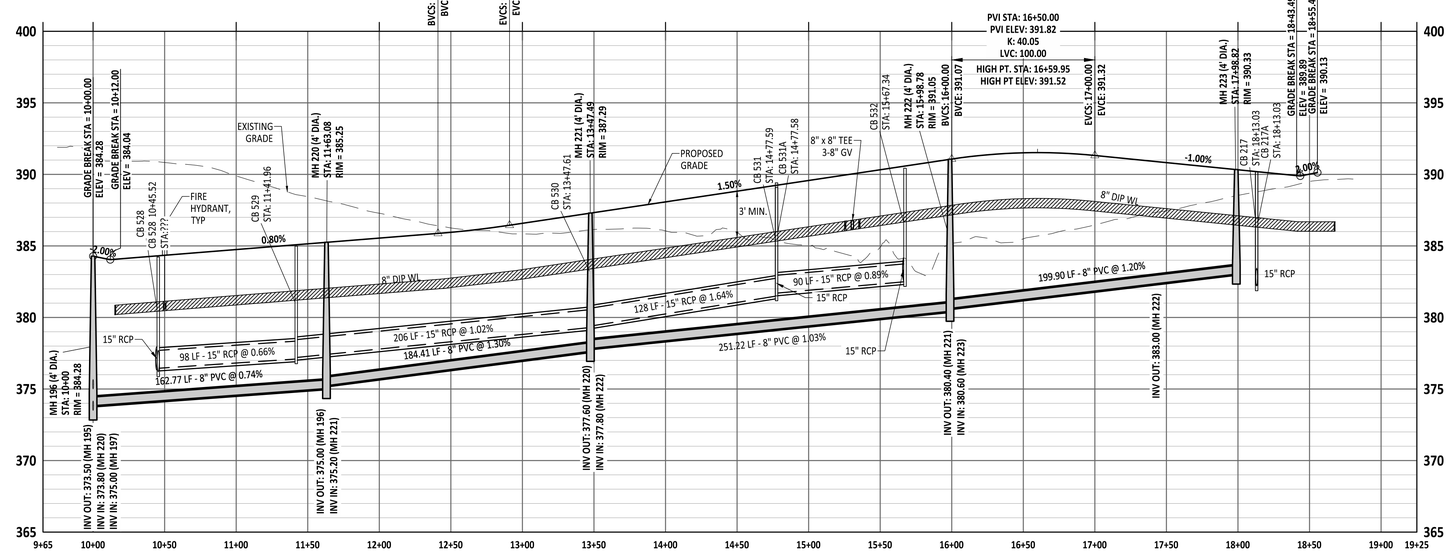


BENT IRON LANE PLAN & PROFILE



CRACKED GRANITE LANE PLAN & PROFILE





GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

Public
Sewer Collection / Extension System

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City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

North Carolina 811

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

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

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

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

FOR INFORMATION, ONLY

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

STIPULATION FOR REUSE

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MERRITT RESERVE

BENT IRON LN & CRACKED GRANITE LN PLAN & PROFILE

ROLESVILLE RD
WAKE COUNTY NC 27312

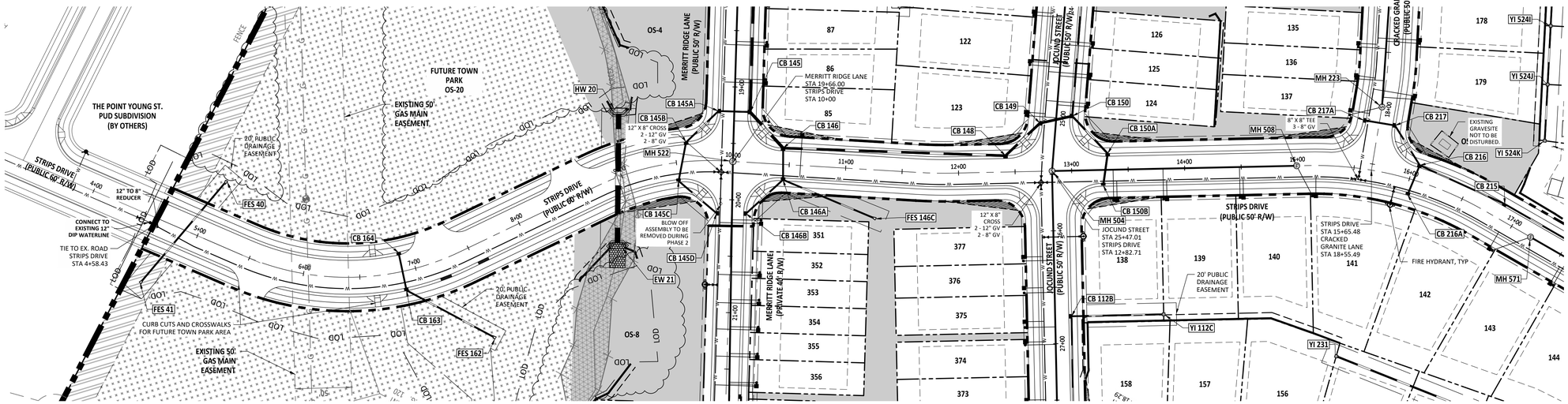
JOB NUMBER: 23-0004
CHECKED BY: JK
DRAWN BY: DH/MA/LL
DATE: 08/04/2025

SHEET TITLE:
BENT IRON LN & CRACKED GRANITE LN PLAN & PROFILE

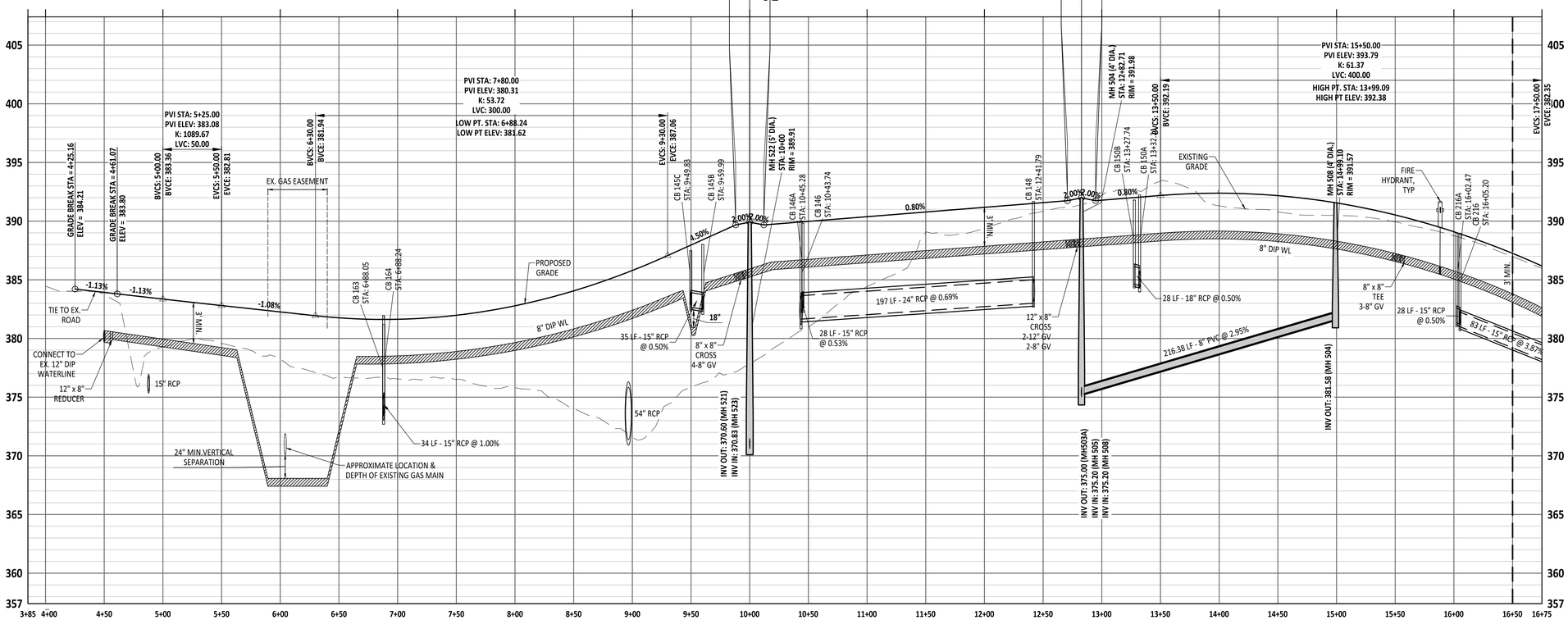
SHEET NO.:
CS-250

Z:\Jobs\23-0004 Merrit Property (BRO)\dwg_Working Dwgs\Sheets\Construction Set\432 CS-250 BENT IRON LN & CRACKED GRANITE LN PLAN & PROFILE.dwg

2025-09-03



STRIPS DRIVE PLAN & PROFILE



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, P.A. C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NORTH CAROLINA REGISTERED 36528 PROFESSIONAL ENGINEER JAKOB P. KLEIN
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MERRITT RESERVE

STRIPS DR PLAN & PROFILE

ROLESVILLE RD
WAKE COUNTY NC 27312

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

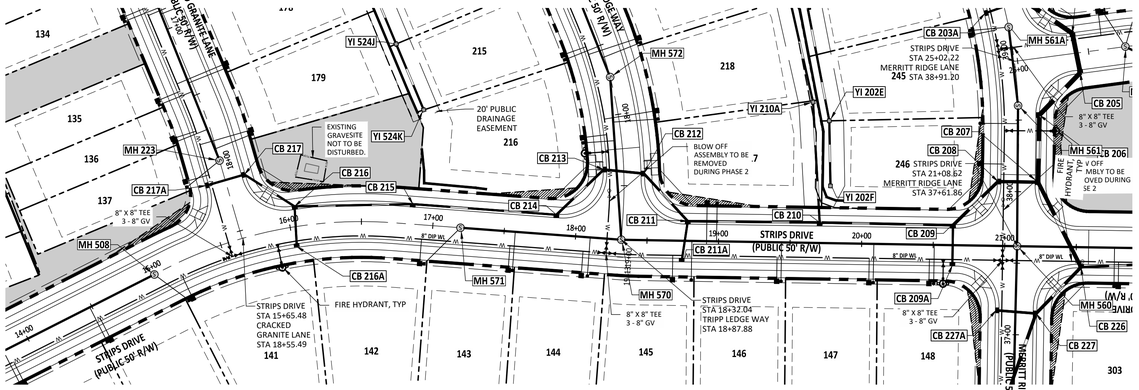
SHEET TITLE:
STRIPS DR PLAN & PROFILE

SHEET NO.:
CS-260

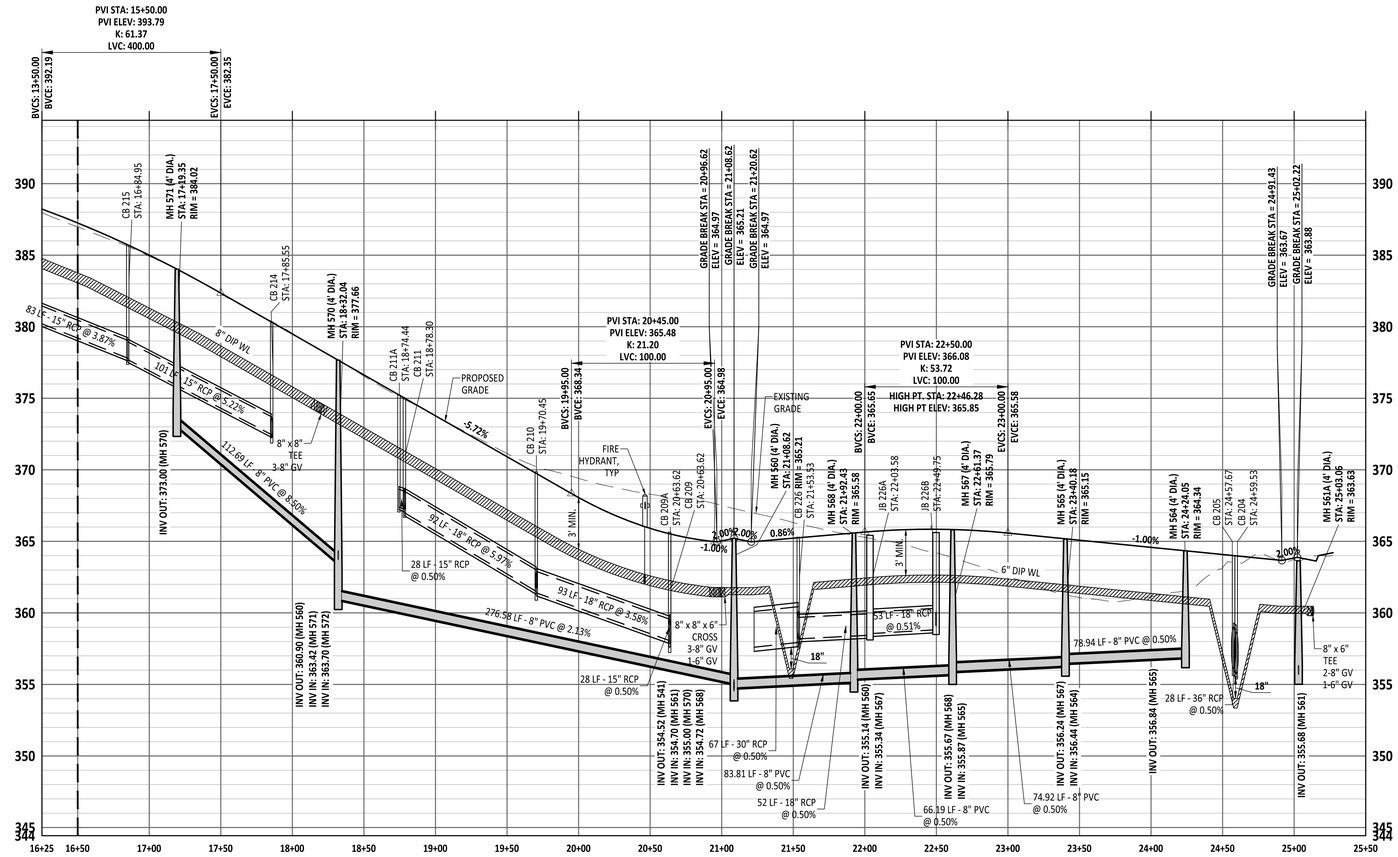
North Carolina 811 811 It's the law.
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
http://nc811.org/remoteticketentry.htm

Z:\Jobs\23-0004 Merrit Property (BRO\Dwg_Working Dwgs\Sheets\Construction Set\42. CS-250-261 STRIPS DRIVE PLAN & PROFILE.dwg

2025-09-03



STRIPS DRIVE PLAN & PROFILE



GRAPHIC SCALE

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(IN FEET)

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Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

Public
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City of Raleigh
Public Utilities Department Permit # _____

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 CERTIFICATE OF AUTHORIZATION AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881

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

FOR INFORMATION, ONLY

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MERRITT RESERVE

STRIPS DR 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:

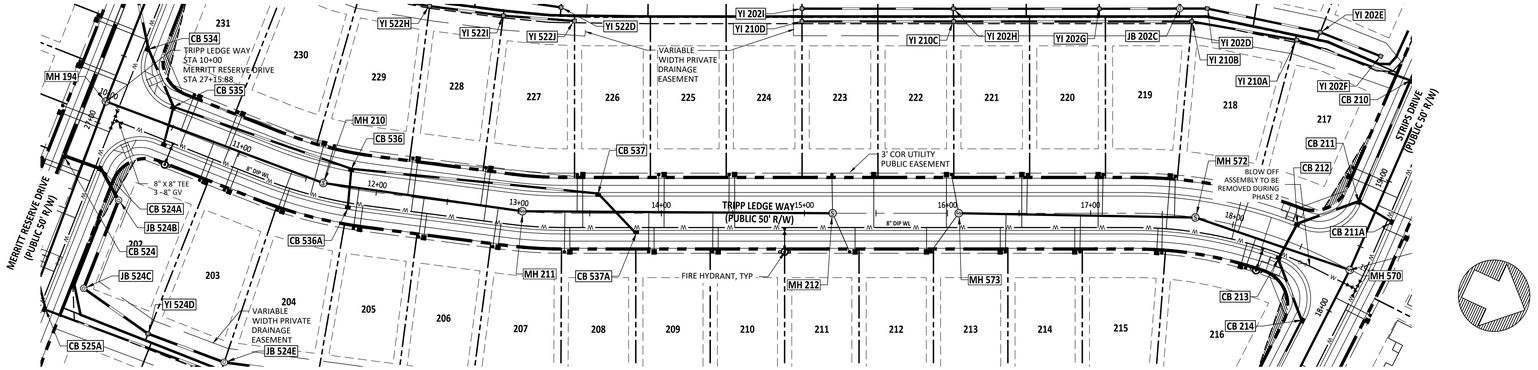
STRIPS DR PLAN & PROFILE

SHEET NO.:

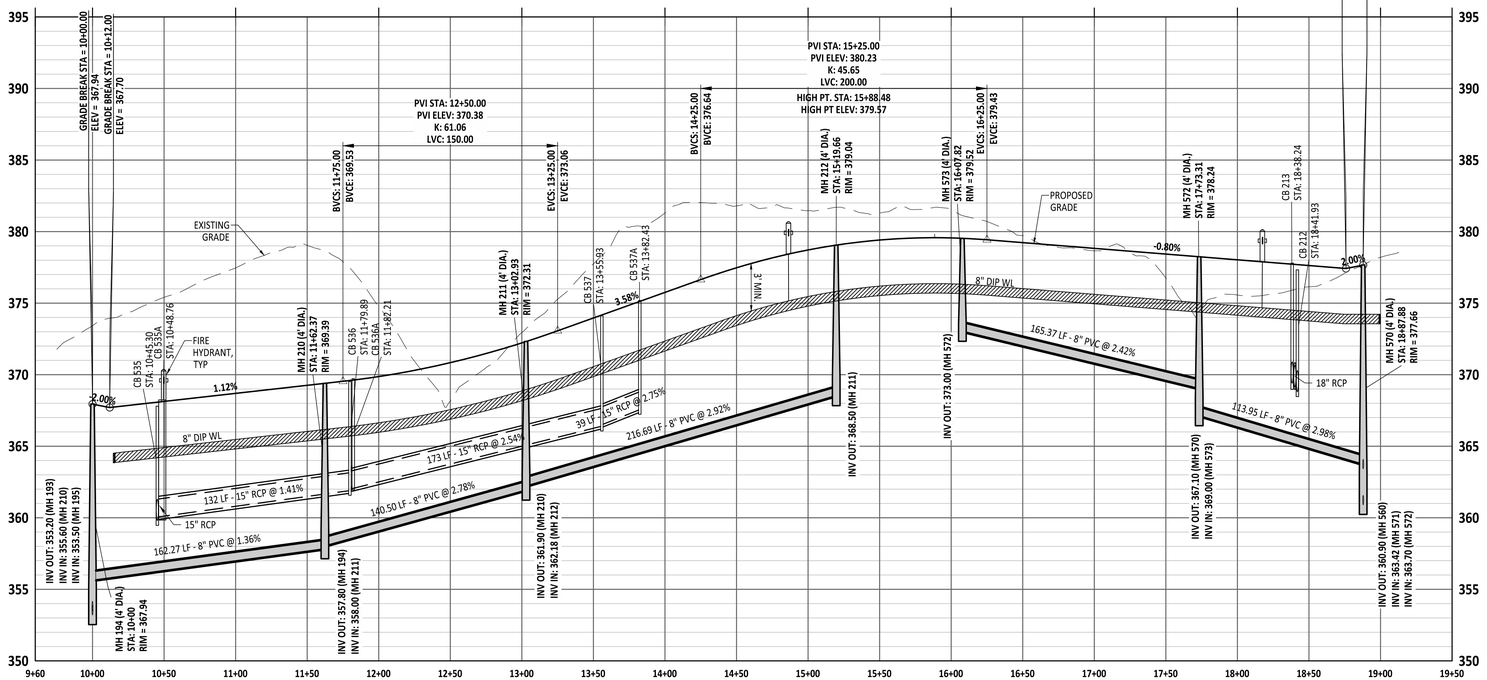
CS-261

Z:\Jobs\23-0004 Merrit Property (BRD\Dwg_Working Dwgs\Sheets\Construction Set\432 CS-260-261 STRIPS DRIVE PLAN & PROFILE.dwg

2025-09-03



TRIPP LEDGE PLAN



TRIPP LEDGE PROFILE VIEW

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft

Public
Sewer Collection / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

North Carolina 811 — It's the Law

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

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, CONVEYANCES OR SALES — DO NOT USE FOR CONSTRUCTION — NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER — 36528 — JAKOB P. KLEIN

FOR INFORMATION, ONLY

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

TRIPP LEDGE WAY 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:

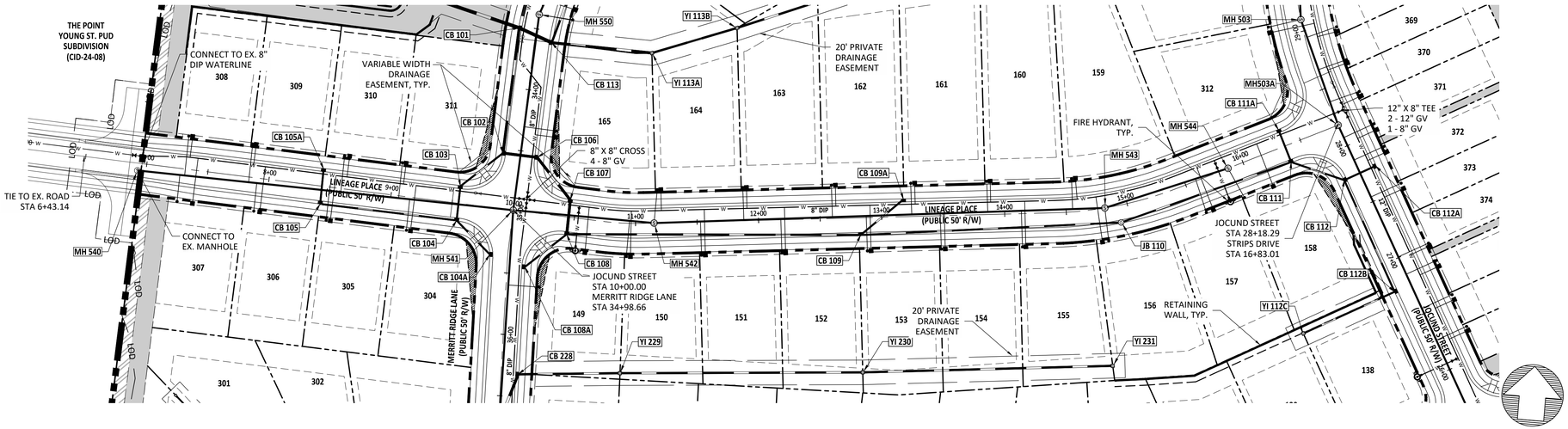
TRIPP LEDGE WAY PLAN & PROFILE

SHEET NO.:

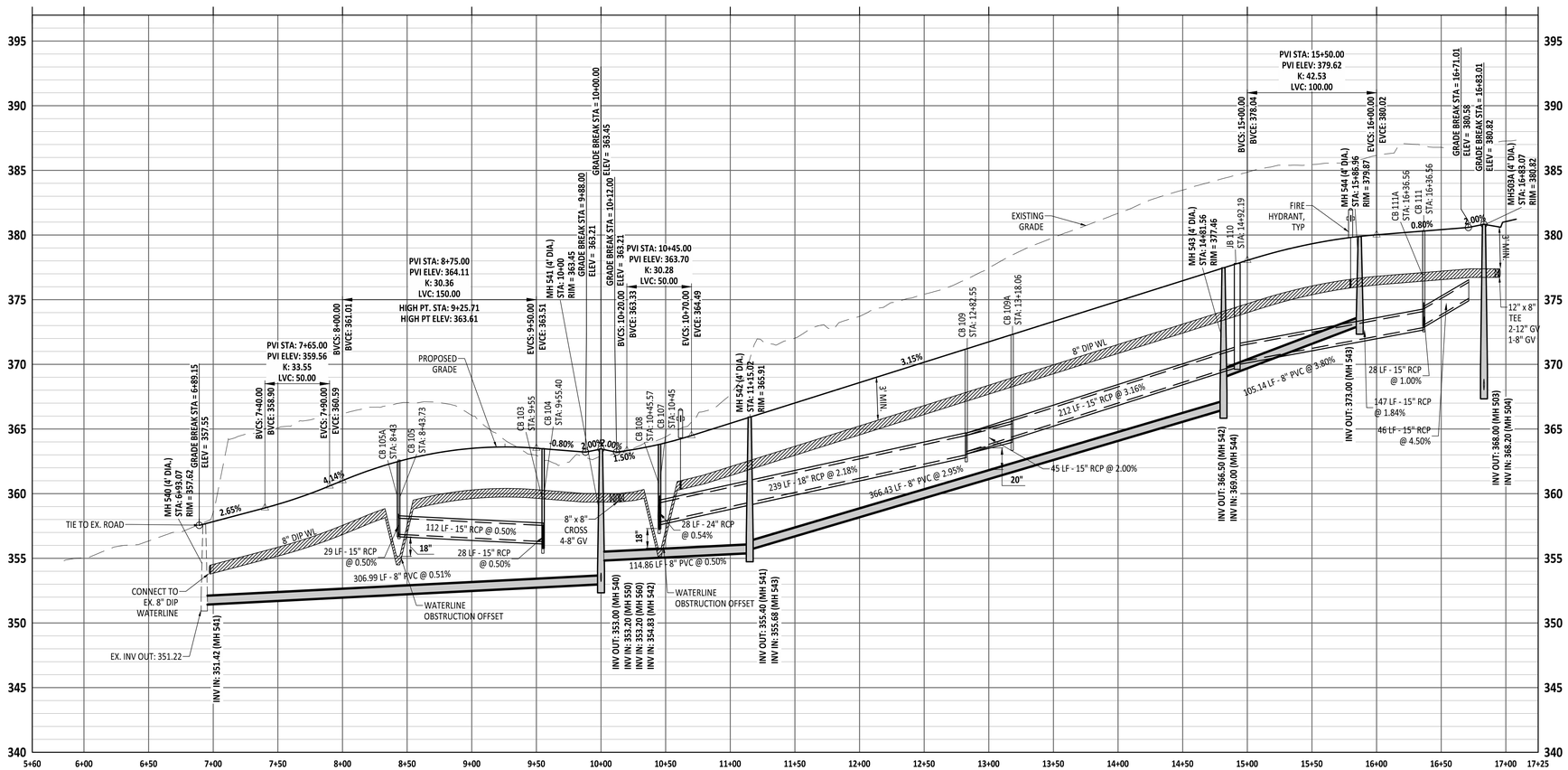
CS-265

Z:\Jobs\23-0004 Merritt Property BRD\dwg_Working Dwg\Sheets\Construction Set\CS_265 TRIPP LEDGE WAY PLAN & PROFILE.dwg

2025-09-03



LINEAGE PLACE PLAN & PROFILE



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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

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

PROJECT NUMBER = CID-25-02

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

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

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

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

STIPULATION FOR REUSE

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MERRITT RESERVE
LINEAGE PLACE PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

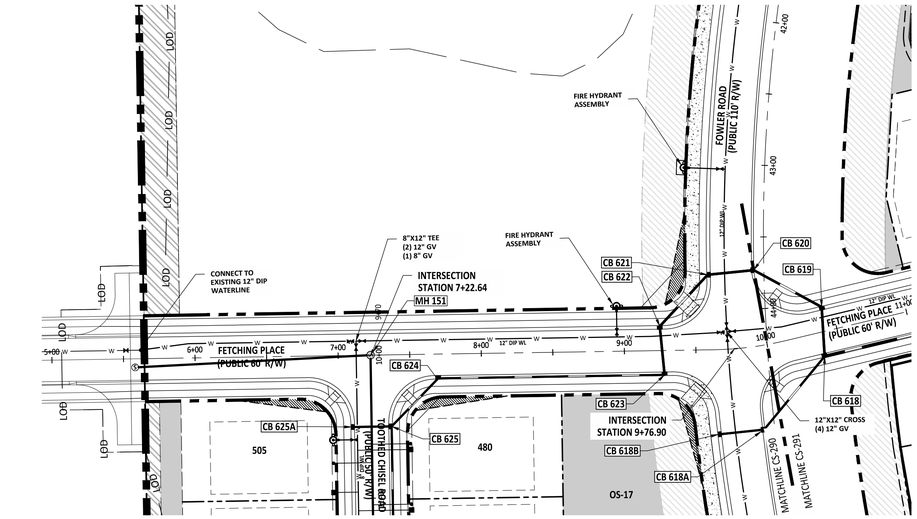
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
LINEAGE PLACE PLAN & PROFILE

SHEET NO.:
CS-280

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

Z:\Jobs\23-0004 Merritt Property (BRP)\Revit_Working Dwgs\Sheets\Construction Set\CS-280 LINEAGE PLACE PLAN & PROFILE.dwg
2025-09-03



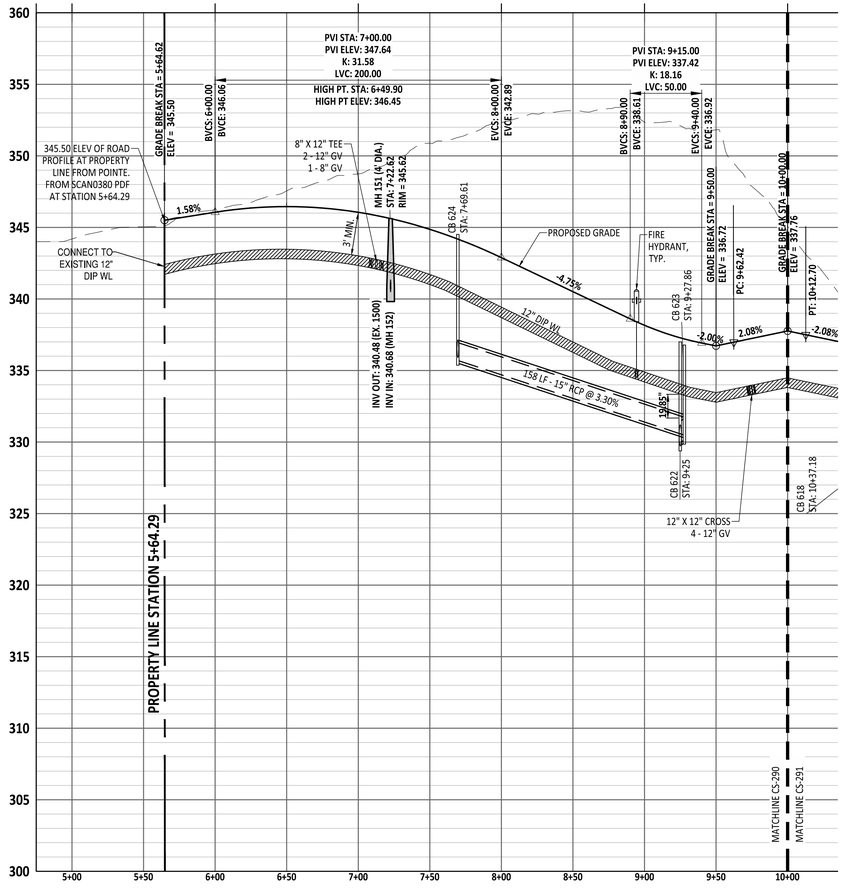
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

FETCHING PLACE PLAN (A)

NOTE: CONTRACTOR TO CONFIRM LOCATION, DEPTH, SIZE, AND MATERIAL OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO AMERICAN ENGINEERING.



FETCHING PLACE PROFILE (A)

Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

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
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36528 JACOB 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
FETCHING PLACE 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:
FETCHING PLACE PLAN & PROFILE

SHEET NO.:
CS-290

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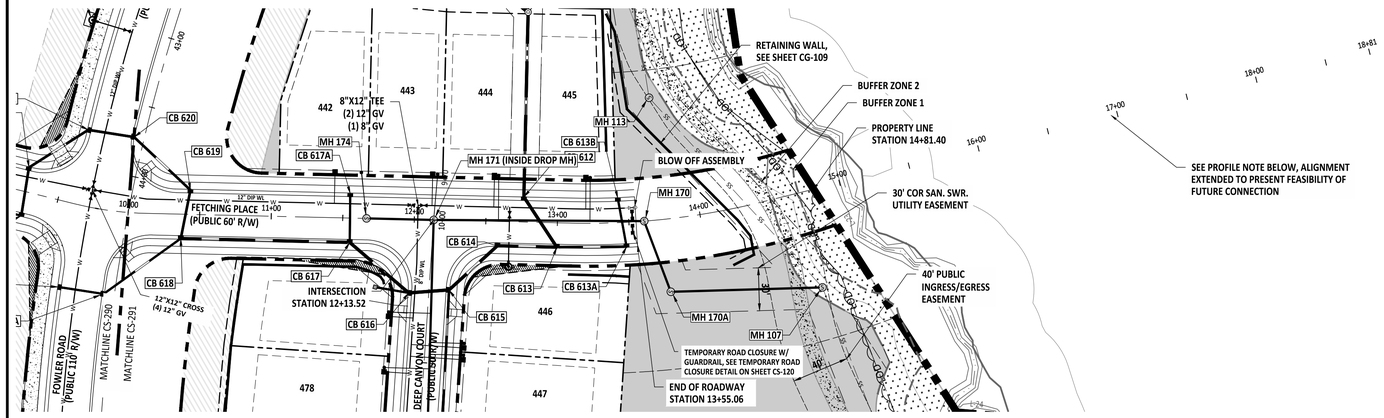
2025-09-03



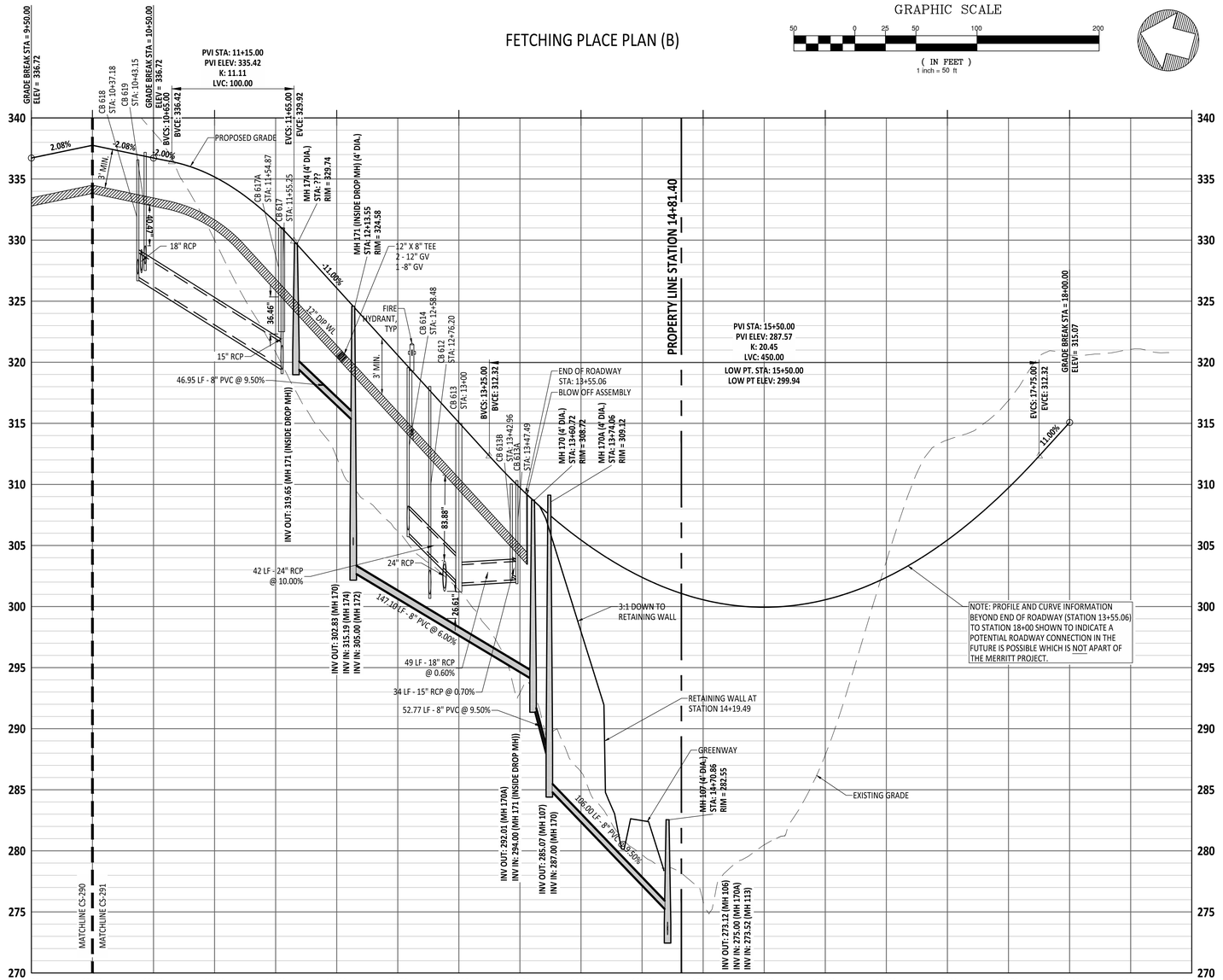
FETCHING PLACE PLAN (B)

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft



FETCHING PLACE PROFILE (B)

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

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

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

STIPULATION FOR REUSE

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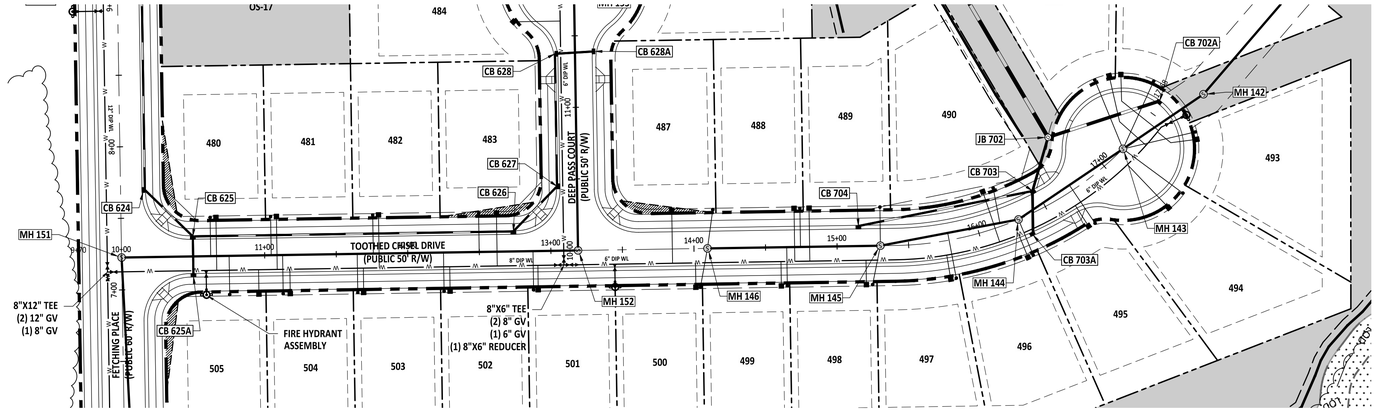
MERRITT RESERVE
FETCHING PLACE PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
FETCHING PLACE PLAN & PROFILE

SHEET NO.:
CS-291

Z:\Jobs\23-0004 Merritt Property (BRD)\dwg_Working Dwgs\Sheets\Construction Set\04_CS-290-291 FETCHING PLACE PLAN & PROFILE.dwg
2025-09-03

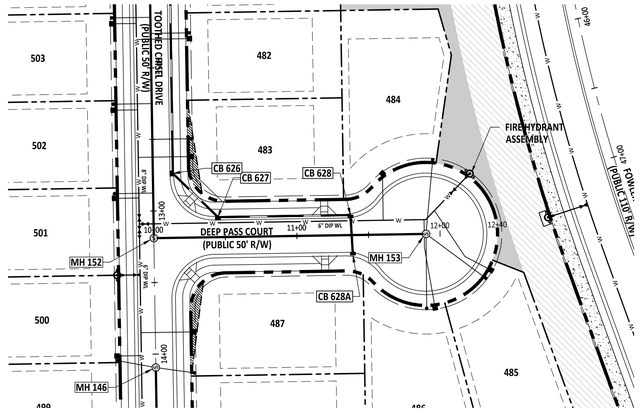


TOOTHED CHISEL DRIVE PLAN VIEW

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft

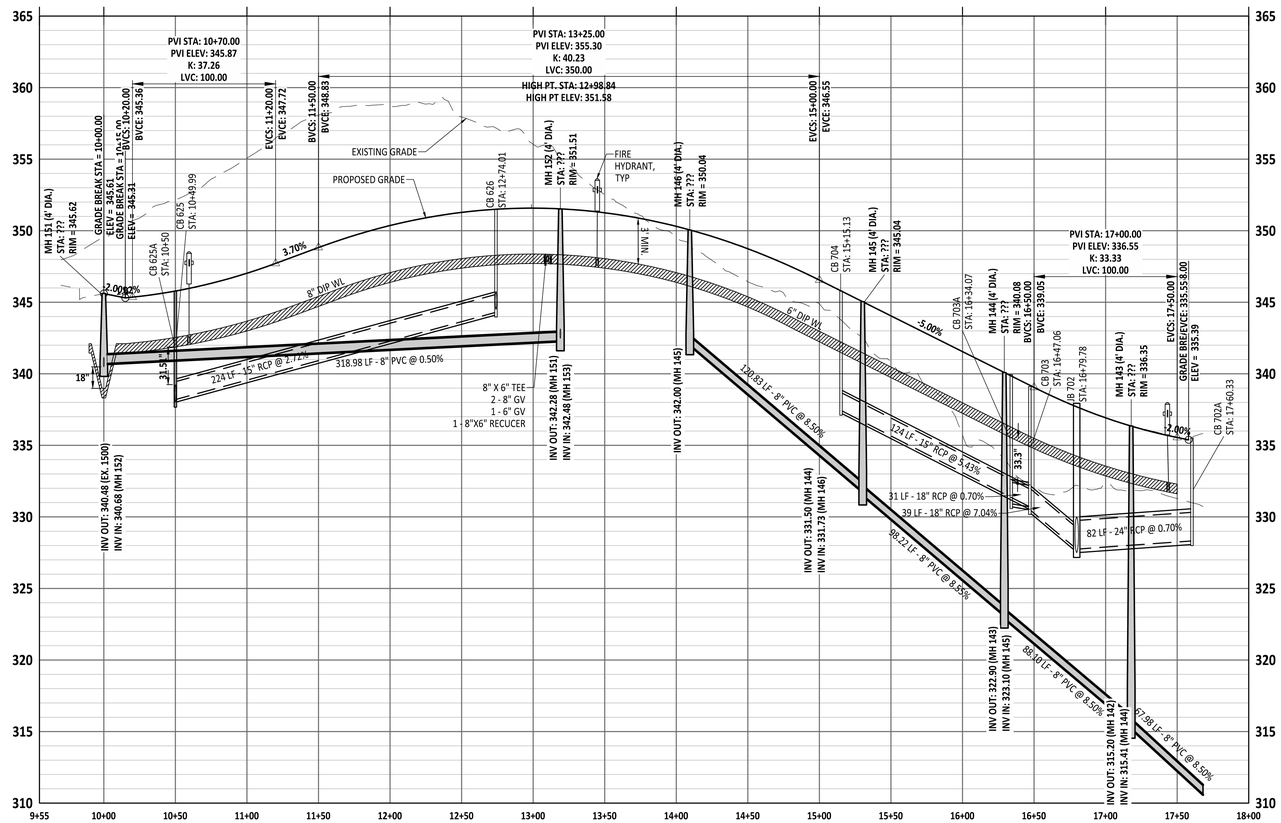


DEEP PASS COURT PLAN VIEW

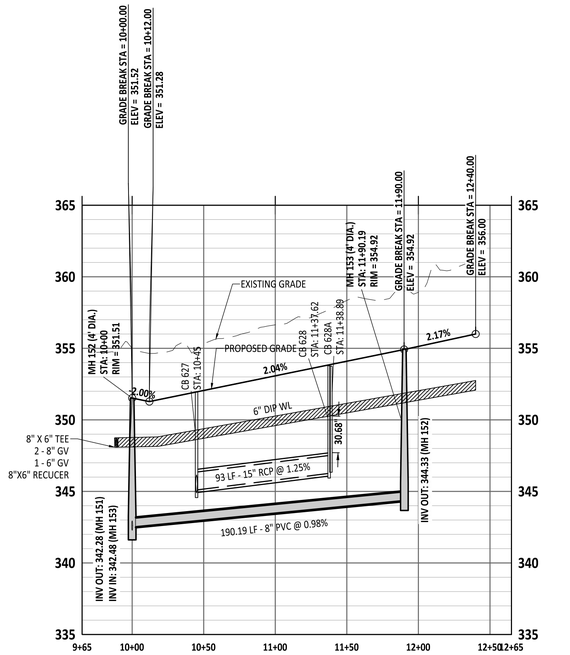
GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft



TOOTHED CHISEL DRIVE PROFILE VIEW



DEEP PASS COURT PROFILE VIEW

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

PRELIMINARY
NOT FOR RECORDATION
DO NOT USE FOR CONSTRUCTION
JAKOB P. KLEE
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
TOOTHED CHISEL DR & DEEP PASS CT PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

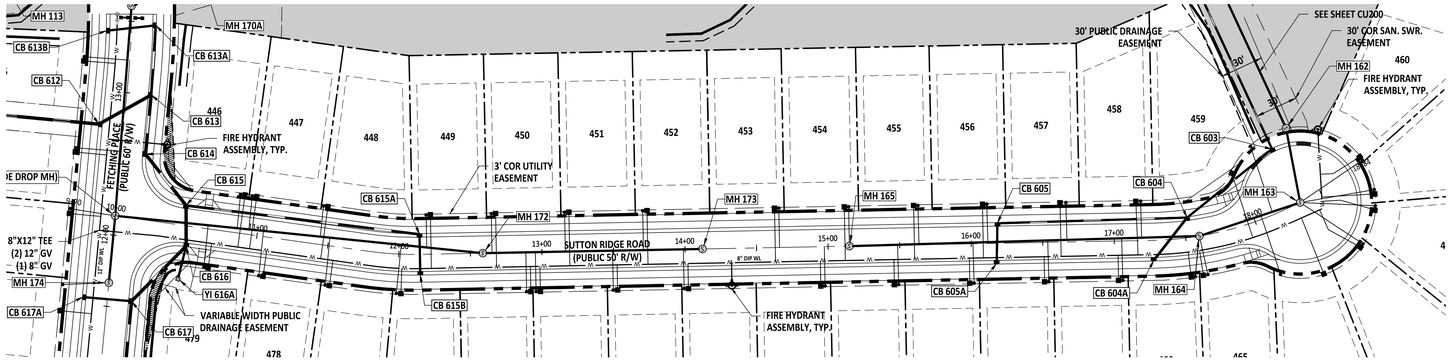
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
TOOTHED CHISEL DR & DEEP PASS CT PLAN & PROFILE

SHEET NO.:
CS-295

Z:\Jobs\23-0004 Merrit Property (BRD\Dwg_Working Dwgs\Sheets\Construction Set\44a. CS-295 TOOTHED CHISEL WAY & DEEP PASS COURT PLAN & PROFILE.dwg

2025-09-03



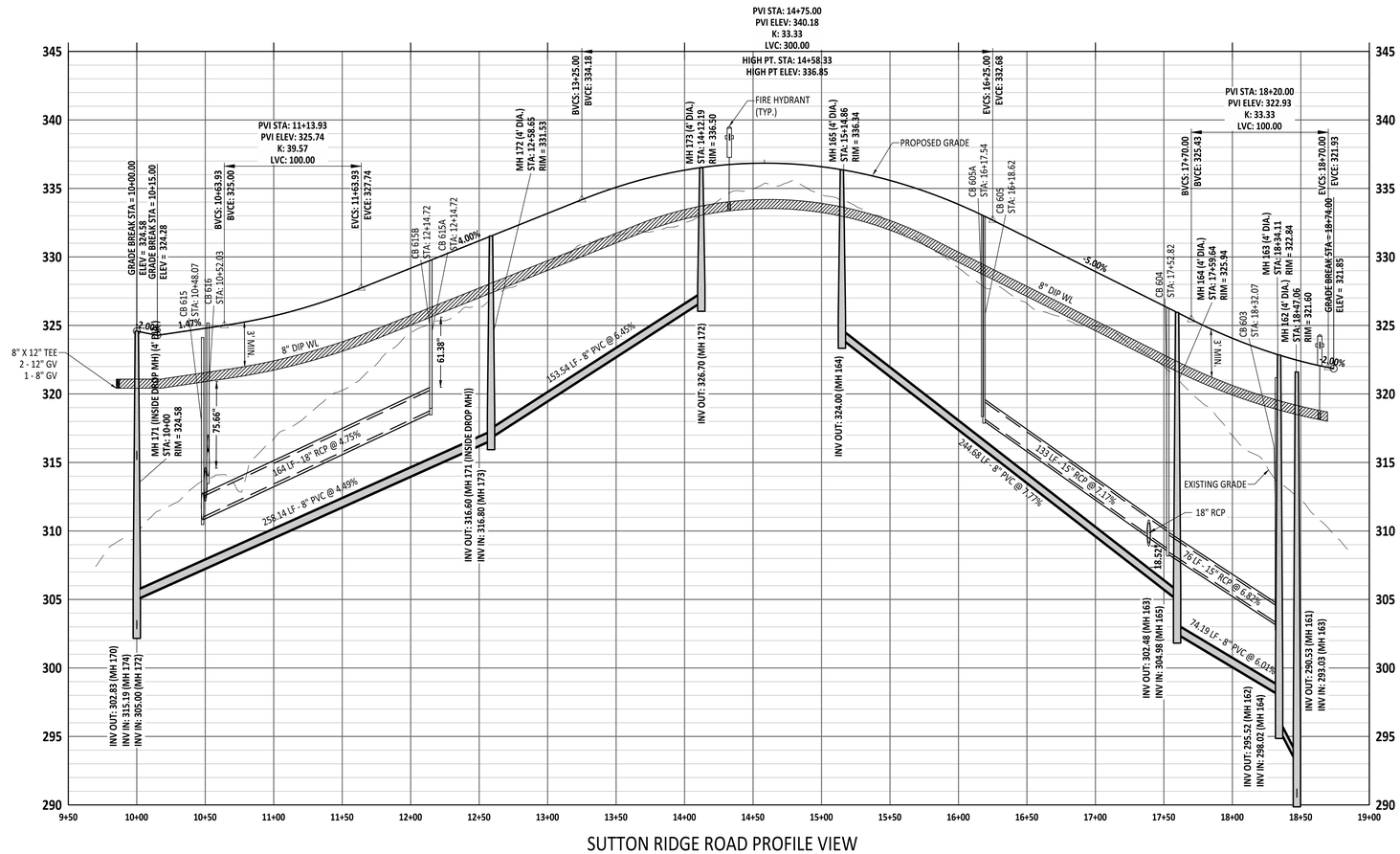
SUTTON RIDGE ROAD PLAN VIEW

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft



SUTTON RIDGE ROAD PROFILE VIEW

Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

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

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

STIPULATION FOR REUSE

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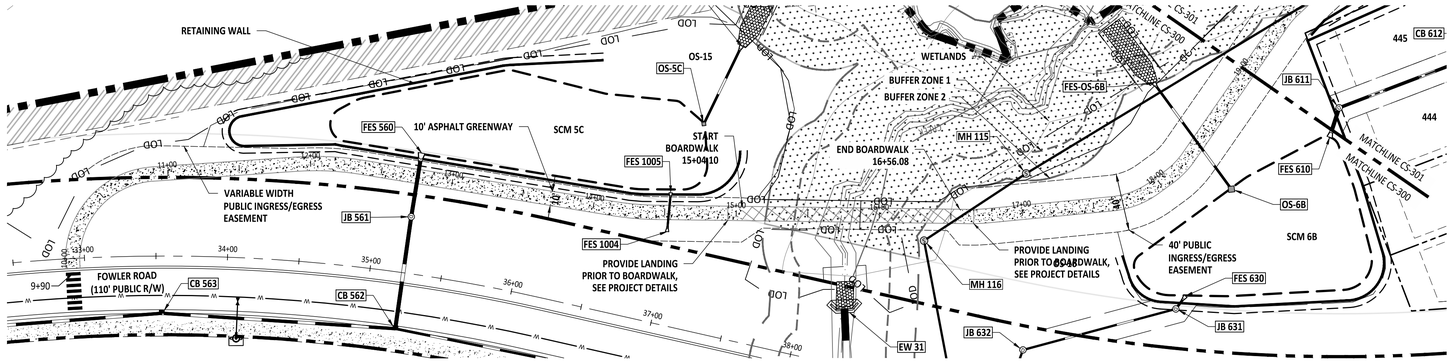
MERRITT RESERVE
SUTTON RIDGE ROAD PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
SUTTON RIDGE ROAD PLAN & PROFILE

SHEET NO.:
CS-298

Z:\Job\23-0004 Merritt Property (BRD)\wg1_Working Dwgs\Sheets\Construction Set\48b_CS-298 SUTTON RIDGE ROAD PLAN & PROFILE.dwg
2025-09-03



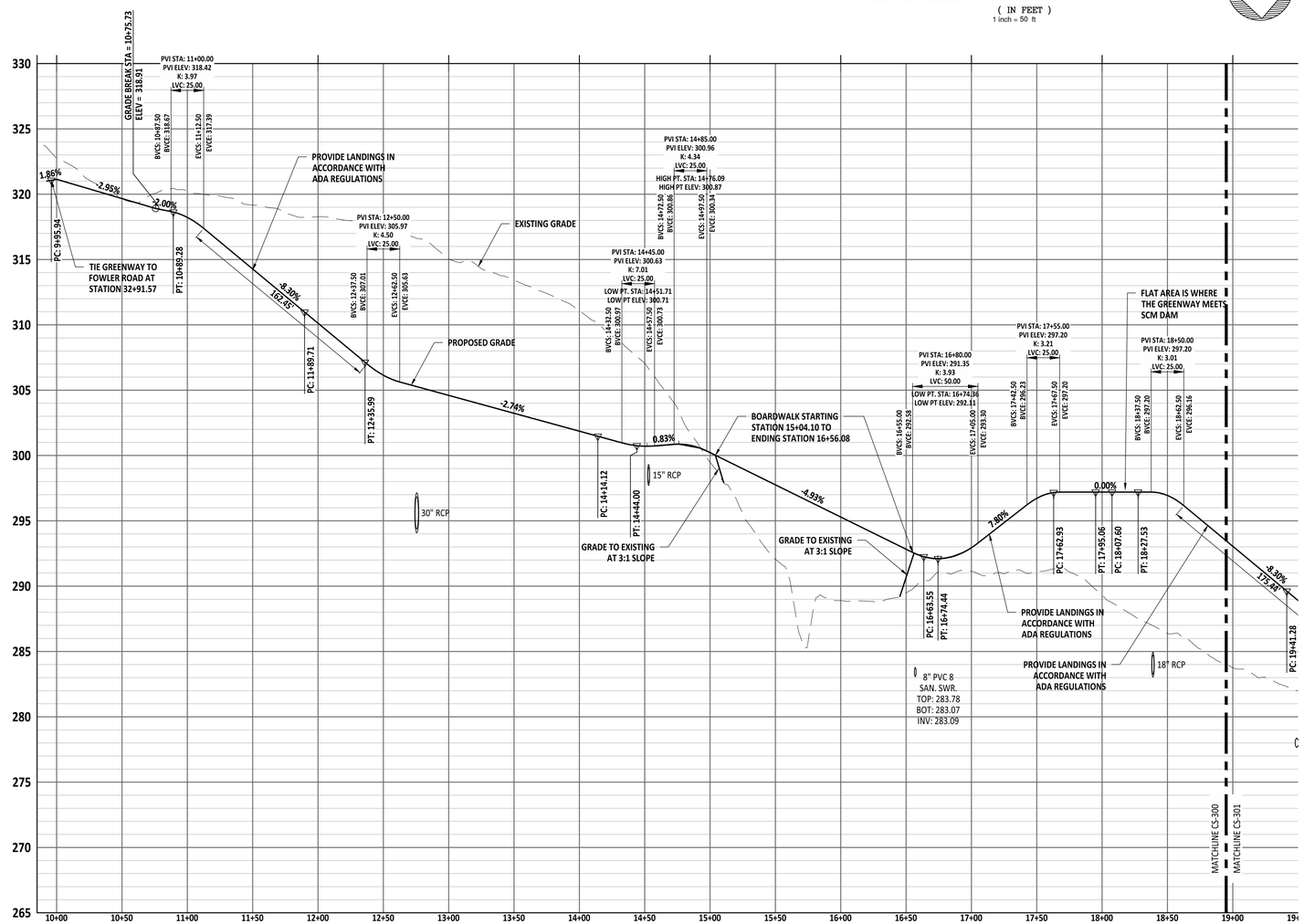
GREENWAY PLAN (A)

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft



GREENWAY PROFILE (A)

NOTES

1. GREENWAYS SHALL BE CONSTRUCTED WITH EITHER ASPHALT OR CONCRETE PAVEMENT.
   - 1.1. WHEN USING ASPHALT, A 2-INCH MINIMUM ASPHALT COURSE, TYPE S9.5B, WITH A 6-INCH AGGREGATE BASE COURSE SHALL BE PROVIDED.
   - 1.2. WHEN CONCRETE IS USED, A 4-INCH MINIMUM PORTLAND CEMENT CONCRETE (PCC) WITH A 6-INCH AGGREGATE BASE COURSE SHALL BE PROVIDED.
2. REGARDLESS OF MATERIAL, GEOTEXTILE STABILIZATION FABRIC SHALL BE PLACED UNDER THE COMPACTED AGGREGATE BASE COURSE (ABC) THE ENTIRE LENGTH AND WIDTH OF THE GREENWAY.

Public
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # _____

PROJECT NUMBER = CID-25-02

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

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

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

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

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

STIPULATION FOR REUSE

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MERRITT RESERVE
GREENWAY PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

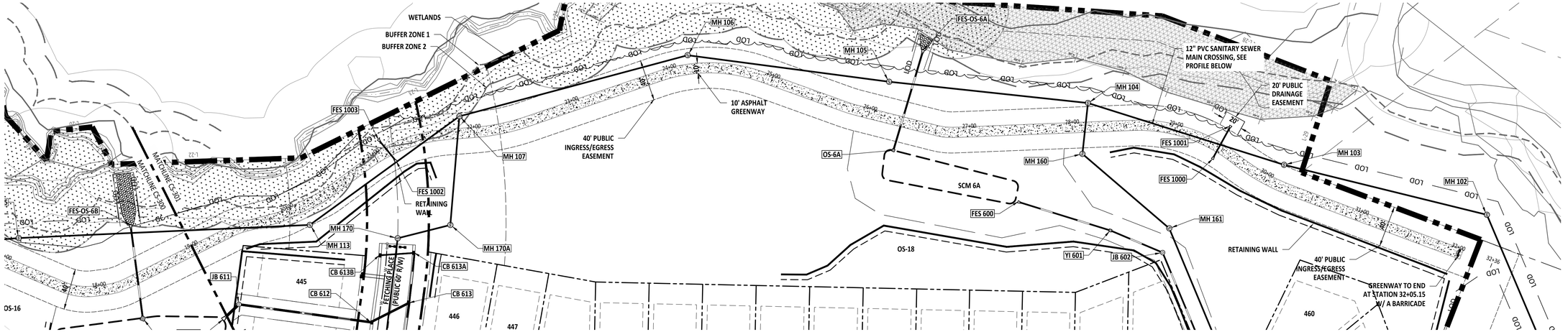
JOB NUMBER:	23-0004
CHECKED BY:	JK
DRAWN BY:	DH/MA/LL
DATE:	08/04/2025

SHEET TITLE:
GREENWAY PLAN & PROFILE

SHEET NO.:
CS-300

Z:\Job\23-0004 Merritt Property BRD\Revit_Working\Dwgs\Sheets\Construction Set\Att - CS-300 GREENWAY PLAN & PROFILE.dwg

2025-09-03

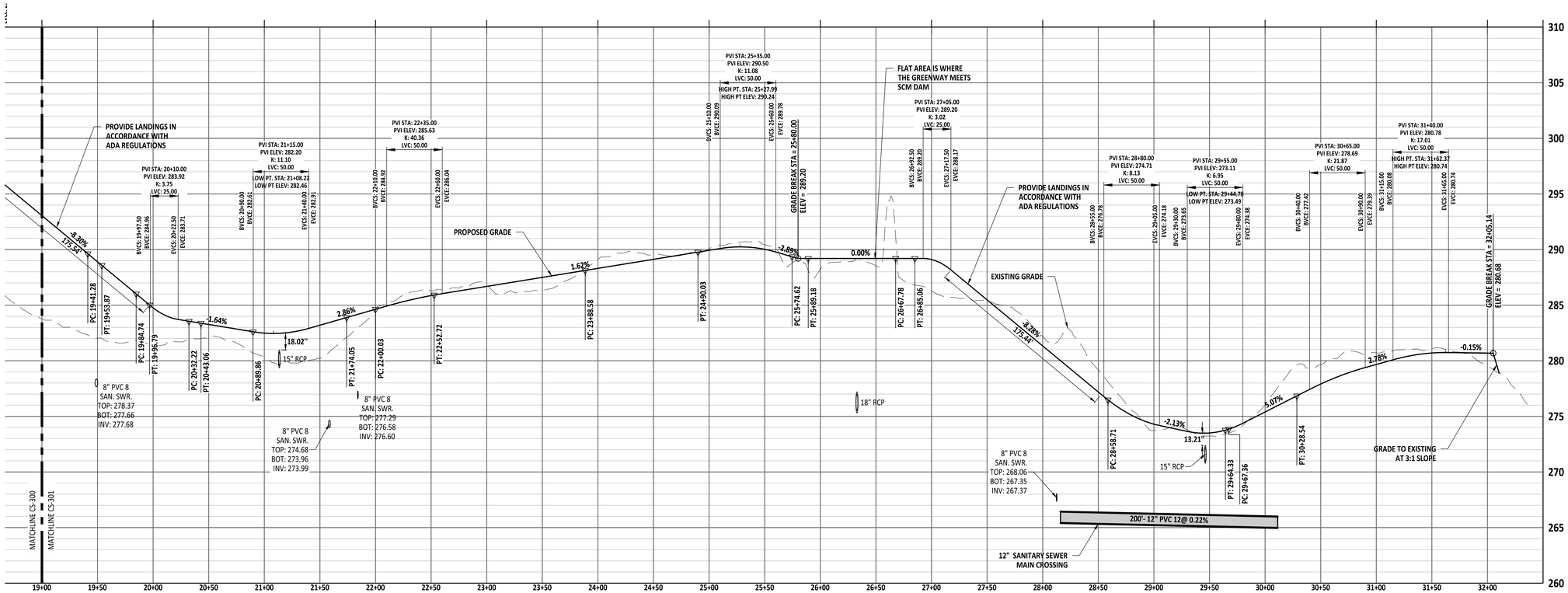


GREENWAY PLAN (B)

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft



GREENWAY PROFILE (B)

NOTES

1. GREENWAYS SHALL BE CONSTRUCTED WITH EITHER ASPHALT OR CONCRETE PAVEMENT.
   - 1.1. WHEN USING ASPHALT, A 2-INCH MINIMUM ASPHALT COURSE, TYPE S9.5B, WITH A 6-INCH AGGREGATE BASE COURSE SHALL BE PROVIDED.
   - 1.2. WHEN CONCRETE IS USED, A 4-INCH MINIMUM PORTLAND CEMENT CONCRETE (PCC) WITH A 6-INCH AGGREGATE BASE COURSE SHALL BE PROVIDED.
2. REGARDLESS OF MATERIAL, GEOTEXTILE STABILIZATION FABRIC SHALL BE PLACED UNDER THE COMPACTED AGGREGATE BASE COURSE (ABC) THE ENTIRE LENGTH AND WIDTH OF THE GREENWAY.

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

City of Raleigh
Public Utilities Department Permit # _____

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

City of Raleigh
Public Utilities Department Permit # _____

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 CORPORATION CERTIFICATION
AMERICAN ENGINEERING ASSOCIATES SOUTHEAST
C-3881
CERTIFICATE OF AUTHORIZATION

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

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

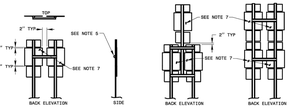
MERRITT RESERVE
GREENWAY PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

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

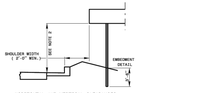
SHEET TITLE:
GREENWAY PLAN & PROFILE

SHEET NO.:
CS-301

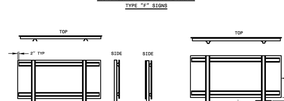
Z:\Jobs\23-0004 Merritt Property (RBDA)_Working Dwgs\Sheets\Construction Set\04c_CS-300 GREENWAY PLAN & PROFILE.dwg
2025-09-03



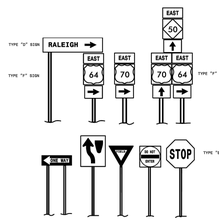
FRAMING AND CROSS-BRACING DETAILS
TYPE "F" SIGNS



HORIZONTAL AND VERTICAL CLEARANCES



TYPE "C" & "E" SIGN CROSS BRACING
BACK-TO-BACK MOUNT
FRAMING AND CROSS BRACE DETAILS FOR COMBINATION TYPE "C" & "E" SIGNS WIDE SIDE OF CROSS BRACE GOES TO BACK OF SIGN
FRAMING AND CROSS BRACE DETAILS FOR COMBINATION TYPE "D" & "F" SIGNS WIDE SIDE OF FLANGE TO BACK OF "F" SIGN



TYPICAL SIGN SHAPES AND COMBINATIONS

NOTES:

1. ERECT TYPE "D", "E", AND "F" SIGNS ON FREEWAYS WITH THE NEAR EDGE OF THE SIGN 20 FT. FROM THE TRAVEL LANE. ERECT ALL OTHER "D", "E", AND "F" SIGNS WITH THE NEAR EDGE OF THE SIGN AT THE EDGE OF THE SHOULDER BREAK (6 FT. MINIMUM CLEARANCE, 12 FT. DESIRABLE, FROM THE EDGE OF TRAVEL LANE), OR AS DIMENSIONED ON PLAN SHEETS.
2. ERECT TYPE "D", "E", AND "F" SIGNS WITH THE BOTTOM OF SIGN ASSEMBLY AT LEAST 7 FT. ABOVE THE EDGE OF THE TRAVEL LANE ON ROADS WITH 2 OR MORE LANES IN THE SAME DIRECTION AND AT LEAST 5 FT. ON OTHER ROUTES. THE VERTICAL CLEARANCE IS 7 FT. WHERE REQUIRED FOR PEDESTRIAN TRAFFIC AND/OR PARKED VEHICLES.
3. THE VERTICAL DIMENSION BETWEEN MOUNTING HOLE CENTERS ON ALL TYPES "D", "E", AND "F" SIGNS IS 30" MAXIMUM. THE VERTICAL AND HORIZONTAL DIMENSIONS BETWEEN MOUNTING HOLES IS TO THE WHOLE INCH. EACH SIGN PANEL HAS A MINIMUM OF 2 BOLTS PER SUPPORT.
4. ATTACH SIGN W/ ⅜" HEX HEAD BOLT, NYLON WASHER, SWIM, FLAT WASHER, LOCK WASHER, HEX NUT NO BUCKLING OF THE SIGN WILL BE PERMITTED. SEE ASSEMBLY DETAIL SHEETS 2 OF 904.50.
5. FURNISH AND INSTALL CROSS-BRACING AS SHOWN IN DETAIL. PAINT ENDS OF CROSS BRACES W/ APPROVED. ZINC PAINT
6. INSTALL SUPPORT AND CROSS-BRACING WITH THE WIDE SIDE OF THE FLANGE TOWARD THE BACK OF SIGN(S) FOR COMBINATION TYPE "D" AND "F" SIGNS.
7. THE SHIELD HEIGHTS IN THESE ASSEMBLIES CAN NOT BE LARGER THAN 24".
8. IF SIGN ASSEMBLIES REQUIRE MORE THAN TWO U-CHANNEL SUPPORTS, THE SUPPORTS SHALL BE PLACED A MINIMUM OF 4 FT. BETWEEN SUPPORTS. NO MORE THAN TWO SUPPORTS SHALL FALL WITHIN 7 FT. PATH, OR THE SIGN ASSEMBLY MUST BE PLACED BEHIND BARRIER PROTECTION.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

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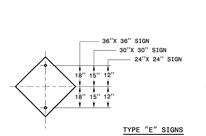
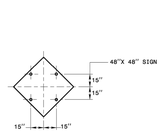
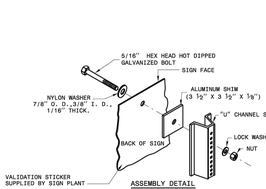
ROADWAY STANDARD DRAWING FOR
MOUNTING OF TYPE 'D','E' AND 'F' SIGNS ON 'U' CHANNEL SUPPORTS

SHEET 1 OF 2
904.50

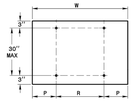


TYPE "E" SIGNS

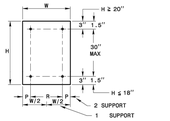




ASSEMBLY DETAIL



TYPE "D" SIGNS



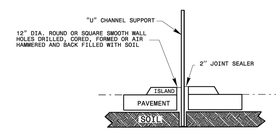
TYPE "E" AND "F" SIGNS

	NO. SUPPORTS		
	2	3*	4*
P	.207W	.145W	.107W
R	.586W	.355W	.262W

*MINIMUM 4 FT. BETWEEN CHANNEL SUPPORTS

UNITS ON ATTACHED SHEET

HOLE PUNCHING DETAIL



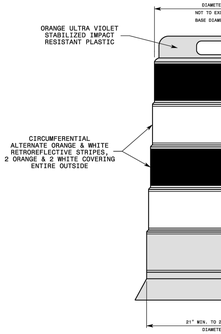
DETAIL FOR INSTALLATION OF CHANNEL SUPPORT IN CONCRETE

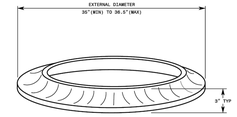
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
MOUNTING OF TYPE 'D','E' AND 'F' SIGNS ON 'U' CHANNEL SUPPORTS

SHEET 2 OF 2
904.50





ALL RUBBER COLLARS MUST BE BLACK IN COLOR AND FREE OF ANY COLORED PAINT.

BALLAST COLLAR SHOULD HAVE GOOD CONTACT WITH THE ROAD SURFACE. BOTTOM OF COLLAR EDGE MUST LAY FLAT WITH ROAD SURFACE.

DRUMS THAT USE TIRE BALLASTS ARE MANUFACTURED SPECIFICALLY FOR THAT PURPOSE. DO NOT USE TIRE BALLASTS WITH OTHER DRUM DESIGNS.

GENERAL NOTES

1- BALLASTING SHALL BE ACHIEVED BY THE SAND BAG, TIRE-SIDEWALL, OR PREFORMED WEIGHTED BASE METHODS. USE THE TIRE BALLAST AS SPECIFIED BY THE MANUFACTURER. DO NOT PLACE BALLAST ON TOP OF THE DRUM.

2- IF NECESSARY PLACE THE NAME OF THE AGENCY, CONTRACTOR, OR SUPPLIER ON NON-RETROREFLECTIVE DRUM SURFACES. SHOW THE LETTERS AND NUMBERS USING A NON-RETROREFLECTIVE COLOR AND NOT OVER 2" IN HEIGHT.

3- ALL DRUMS MUST BE LISTED ON THE DEPARTMENT'S APPROVED PRODUCT LIST.

4- REFER TO THE STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR ADDITIONAL INFORMATION.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
DRUMS

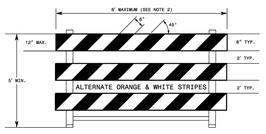
SHEET 1 OF 1
1130.01

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

NORTH CAROLINA ENGINEERING ASSOCIATES SOUTHEAST, P.A. C-3881 CERTIFICATE OF AUTHORIZATION

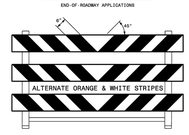
PRELIMINARY
NORTH CAROLINA REGISTERED
PRELIMINARY
DO NOT USE FOR CONSTRUCTION
36528
JAKOB P. KLEIN ENGINEER
FOR INFORMATION, ONLY

TYPE III BARRICADE



TYPE III BARRICADE

END-OF-ROADWAY APPLICATIONS



GENERAL NOTES

1- HORIZONTAL RAILS FOR BARRICADES MAY BE CONSTRUCTED OF APPROVED COMPOSITE, HOLLOW/CORRUGATED EXTRUDED RIGID POLYOLEFIN, HIGH DENSITY POLYETHYLENE, OR OTHER NCDOT APPROVED MATERIAL.

2- BARRICADE SHALL BE LIMITED TO A MAXIMUM LENGTH OF 8 FT UNLESS NCDOT APPROVED.

3- ONLY NCDOT APPROVED COMPOSITE AND ROLL-UP SIGNS MAY BE MOUNTED ON THE BARRICADE RAILS. MOUNT SIGNS TO BARRICADE RAILS TO ENSURE SIGN WILL NOT BECOME DETACHED UNDER NORMAL WIND AND TRAFFIC CONDITIONS.

4- SIGNS SHALL BE MOUNTED A MINIMUM OF 1 FOOT FROM THE GROUND TO THE BOTTOM OF THE SIGN UNLESS SIGN R11-3 IS REQUIRED BY THE PLANS OR DIRECTED BY THE ENGINEER.

5- ASSEMBLY OF THE GENERIC BARRICADES MUST BE SELF CERTIFIED BY THE ASSEMBLER.

6- BARRICADES USED TO CLOSE A ROADWAY SHALL EXTEND ACROSS THE ENTIRE ROADWAY. WHERE LOCAL TRAFFIC MUST BE MAINTAINED, THEY MAY BE PLACED IN A STAGGERED PATTERN.

7- STRIPES ON WORK ZONE BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE RETROREFLECTIVE STRIPES, SLOPED DOWNWARD TOWARDS THE SIDE WHICH TRAFFIC IS TO PASS OR TURN IN DETOURING. WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.

8- USE RED AND WHITE STRIPES FOR PERMANENT BARRICADES.

9- ALL BARRICADES MUST BE LISTED ON THE DEPARTMENT'S APPROVED PRODUCTS LIST.

10- PLACE SANDBAGS OR OTHER APPROVED BALLASTING METHODS ON THE FEET OF THE FRAME. DO NOT PLACE SANDBAGS ON TOP OF A STRIPED RAIL OR STABILIZER BAR. DO NOT BALLAST BARRICADES BY HEAVY OBJECTS SUCH AS ROCKS, CHUNKS OF CONCRETE OR OTHER ITEMS THAT WOULD CAUSE DAMAGE IF THE BARRICADE IS STRUCK BY A VEHICLE.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

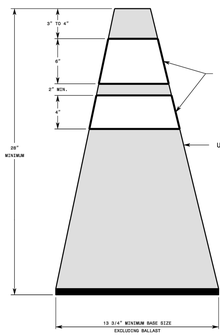
1-24

ROADWAY STANDARD DRAWING FOR
BARRICADES
TYPE-III

SHEET 1 OF 1
1145.01

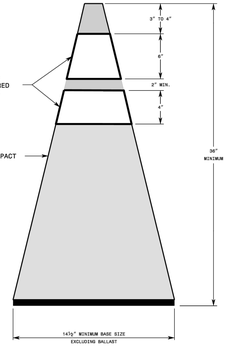
28 INCH CONE

(MINIMUM SIZE CONE FOR ALL CLASSES OF ROADS EXCEPT FREEWAYS AND INTERSTATES)



36 INCH CONE

(REQUIRED FOR FREEWAYS AND INTERSTATES)



WHITE RETROREFLECTIVE ADHESIVE SHEETING REQUIRED BETWEEN DUSK AND DAWN

ORANGE ULTRA-VIOLET STABILIZED IMPACT RESISTANT PLASTIC

GENERAL NOTES

1- ACHIEVE BALLASTING BY USING SPECIAL WEIGHTED BASES SUCH AS SAND BAG RINGS, DOUBLING CONES, OR BASES THAT CAN BE FILLED WITH BALLAST. SEVENTY PERCENT OF THE WEIGHT OF THE CONE MUST BE IN THE BASE. USE BALLAST'S THAT DO NOT PRESENT A HAZARD WHEN STRUCK.

2- ALL CONES MUST BE LISTED ON THE DEPARTMENT'S APPROVED PRODUCTS LIST.

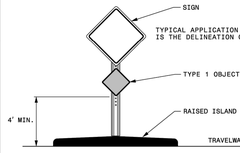
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

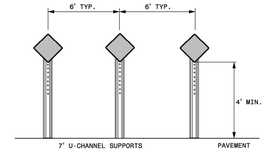
ROADWAY STANDARD DRAWING FOR
CONES

SHEET 1 OF 1
1135.01

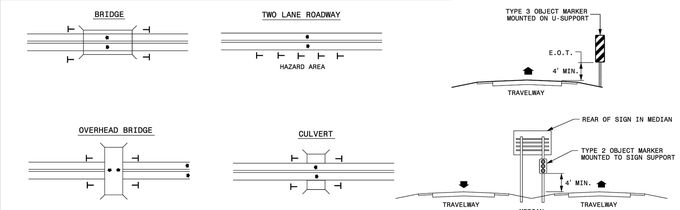
TYPE 1 OR TYPE 3 MARKERS FOR OBSTRUCTIONS WITHIN THE ROADWAY



TYPE 4 MARKERS FOR END OF ROADWAY



TYPE 2 OR TYPE 3 MARKERS FOR OBSTRUCTIONS ADJACENT TO THE ROADWAY



TYPICAL APPLICATIONS OF TYPE 2 OR TYPE 3 OBJECT MARKERS INCLUDES DELINEATION OF BRIDGE PIERS, ABUTMENTS, HANDRAILS, CULVERT HEADWALLS, NARROW SHOULDERS, DROP-OFFS, OR OTHER UNDESIRABLE CONDITIONS WHEN GUARDRAIL OR OTHER ROADSIDE PROTECTION IS NOT IN PLACE.

LEGEND
- OBJECT MARKER
- DIRECTION OF TRAFFIC FLOW

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
OBJECT MARKERS
INSTALLATION

SHEET 1 OF 1
1264.02

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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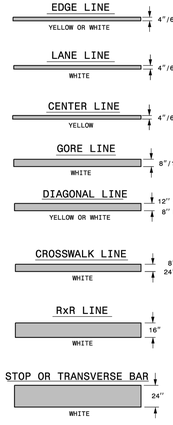
MERRITT RESERVE
NCDOT DETAILS
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
NCDOT DETAILS

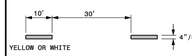
SHEET NO.:
CS-500

CONTINUOUS LINES



10'-30'/SP SKIP LINE

UNLESS OTHERWISED SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.

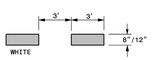


2'-6'/SP MINI-SKIP LINE

UNLESS OTHERWISED SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND BICYCLE LANE EXTENSIONS.

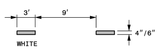
3'-3'/SP MINI-SKIP LINE

UNLESS OTHERWISED SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS.



3'-9'/SP MINI-SKIP LINE

UNLESS OTHERWISED SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES, LINE EXTENSIONS THROUGH TAPERS, AND MINI-SKIPS USED FOR BICYCLE LANE LINES.



GENERAL NOTES:

1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.

2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.

3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

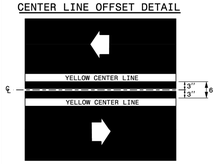
1-24

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 1 OF 2
1205.01

EDGE LINE OFFSET DETAIL

CENTER LINE OFFSET DETAIL



LANE LINE OFFSET DETAIL

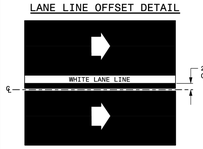


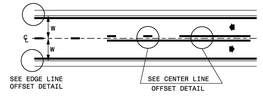
TABLE 1

EDGE LINE OFFSETS FOR 2-LANE, 2-WAY ROADWAYS WITH UN-PAVED SHOULDERS

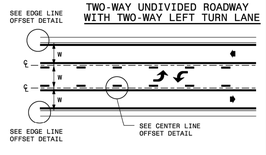
WIDTH (W) OF TRAVEL PAVEMENT	MAX. EDGE LINE OFFSET FROM E.O.T.	MINIMUM LANE WIDTH (W)
16' - 18'	2"	8' - 9'
19'	4"	9'
20'	6"	9.5'
21'	8"	10'
22'	10"	10'
23'	10"	10.5'
24'	1'	11'
26'	2'	11'
28'	2'	12'
30'	3'	12'
32'	4'	12'

LEGEND
- W = WIDTH OF TRAVEL LANE
- E.O.T.= EDGE OF TRAVEL
- DIRECTION OF TRAFFIC FLOW

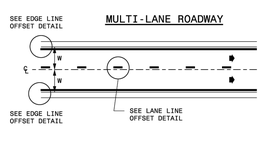
TWO-WAY UNDIVIDED ROADWAY



TWO-WAY UNDIVIDED ROADWAY WITH TWO-WAY LEFT TURN LANE



MULTI-LANE ROADWAY



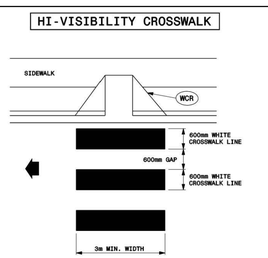
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-24

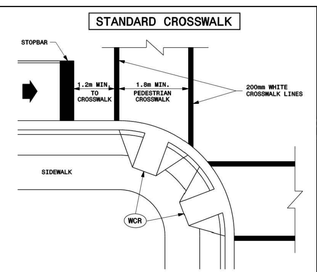
ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 2 OF 2
1205.01

HI-VISIBILITY CROSSWALK



STANDARD CROSSWALK



LEGEND
- DIRECTION OF TRAFFIC FLOW
- WCR WHEELCHAIR RAMP

NOTE:
THIS DRAWING IS DIMENSIONED IN MILLIMETRS UNLESS OTHERWISE DEPICTED WITHIN THE DRAWING.

GENERAL NOTES

1- THE MINIMUM WIDTH OF STANDARD CROSSWALKS IS 1.8 METERS. THE MINIMUM WIDTH OF HI-VISIBILITY CROSSWALKS IS 3 METERS.

2- CENTER CROSSWALKS TO THEIR CORRESPONDING WHEELCHAIR RAMPS, BUT DO NOT SET THEM WITHIN THE INTERSECTION AREA ESTABLISHED BY BISECTING THE INTERSECTION RADII.

3- PLACE STOP BARS A MINIMUM OF 1.2 METERS FROM NEAREST CROSSWALK LINE, BUT NOT WITHIN THE AREA OF A WHEELCHAIR RAMP. PLACE STOP BARS PARALLEL TO CROSSWALK LINES, BUT CAN BE PLACED PERPINDICULAR TO TRAVEL LANES.

4- COORDINATE PLACEMENT OF CROSSWALKS IN ALL CASES WITH THE LOCATION OF WHEELCHAIR RAMPS. (SEE SIGNAL PLANS).

DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-08

METRIC STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

SHEET 1 OF 1
1205.07

DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

METRIC STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

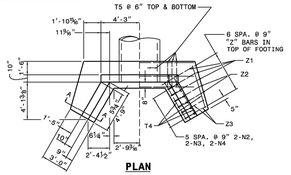
SHEET 1 OF 1
1205.07

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

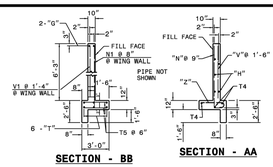
PROJECT NUMBER = CID-25-02

Z:\Jobs\23-0004 Merritt Property BRP\Revit_Working Dwgs\Sheets\Construction Set\[CS-500-502 CIVIL DETAILS.dwg

2025-09-03

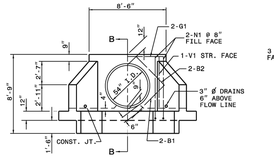


PLAN

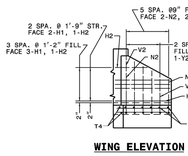


SECTION - BB

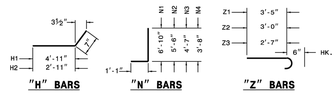
SECTION - AA



ELEVATION



WING ELEVATION



"H", "N", & "Z" BAR DIMENSIONS ARE OUT TO OUT.

SEE STD. DWG. 838.45 FOR GENERAL NOTES.

BILL OF MATERIAL FOR ENDWALL

REINF. STEEL			1 PIPE	
BAR	SIZE	LENGTH	NO.	WGT
B1	#4	5'-6"	4	15
B2	#4	4'-6"	4	12
G1	#7	8'-2"	2	33
H1	#4	5'-6"	10	37
H2	#4	3'-6"	4	9
N1	#4	7'-11"	4	21
N2	#4	6'-7"	4	18
N3	#4	5'-8"	4	15
N4	#4	4'-9"	4	13
T1	#4	11'-10"	6	47
T4	#4	5'-3"	6	21
T5	#4	2'-6"	34	57
V1	#4	5'-9"	2	8
V2	#4	4'-10"	2	6
V3	#4	3'-11"	2	5
V4	#4	3'-1"	2	4
Z1	#4	3'-11"	6	16
Z2	#4	3'-6"	4	9
Z3	#4	3'-1"	4	8
REINF. STEEL LBS.				354
CON./R.C. CU. YDS				5.0

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-24

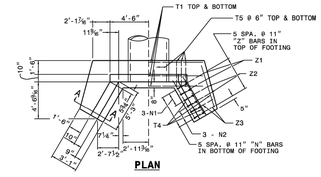
ROADWAY STANDARD DRAWING FOR

REINFORCED CONCRETE ENDWALL

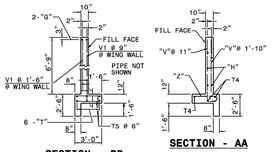
FOR SINGLE 54" PIPE - 90° SKEW

SHEET 1 OF 2

838.21

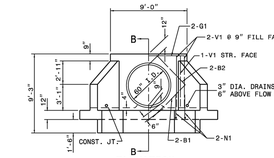


PLAN

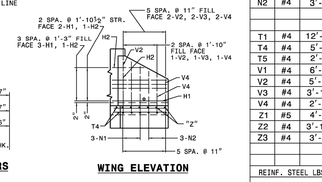


SECTION - BB

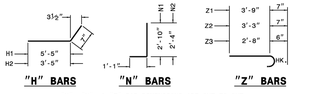
SECTION - AA



ELEVATION



WING ELEVATION



"H", "N", & "Z" BAR DIMENSIONS ARE OUT TO OUT.

SEE STD. # 838.45 FOR GENERAL NOTES.

BILL OF MATERIAL FOR ENDWALL

REINF. STEEL			1 PIPE	
BAR	SIZE	LENGTH	NO.	WGT
B1	#4	5'-6"	4	15
B2	#4	4'-6"	4	12
G1	#7	8'-8"	2	35
H1	#4	6'-0"	10	40
H2	#4	4'-0"	4	11
N1	#5	3'-11"	10	41
N2	#4	3'-5"	6	14
T1	#4	12'-8"	6	51
T4	#4	5'-6"	6	22
T5	#4	2'-6"	36	60
V1	#4	6'-3"	6	25
V2	#4	5'-1"	6	20
V3	#4	3'-11"	6	16
V4	#4	2'-9"	6	11
Z1	#5	4'-4"	4	18
Z2	#4	3'-10"	4	10
Z3	#4	3'-2"	4	8
REINF. STEEL LBS.				409
CON./R.C. CU. YDS				5.6

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-24

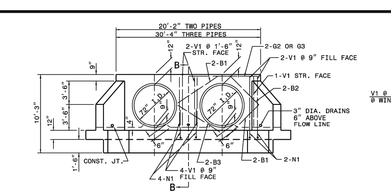
ROADWAY STANDARD DRAWING FOR

REINFORCED CONCRETE ENDWALL

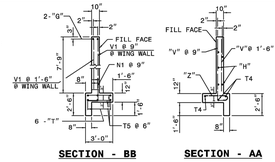
FOR SINGLE 60" PIPE - 90° SKEW

SHEET 1 OF 2

838.27

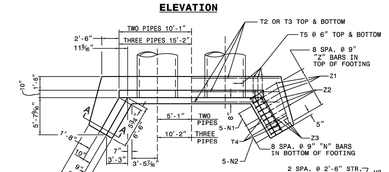


ELEVATION

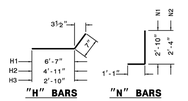


SECTION - BB

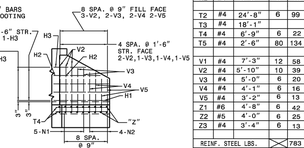
SECTION - AA



PLAN



"H", "N", & "Z" BAR DIMENSIONS ARE OUT TO OUT.



WING ELEVATION

SEE STD. # 838.45 FOR GENERAL NOTES.

BILL OF MATERIAL FOR ENDWALL

REINF. STEEL			2 PIPES		3 PIPES	
BAR	SIZE	LENGTH	NO.	WGT	NO.	WGT
B1	#4	5'-6"	8	29	12	44
B2	#4	4'-6"	4	12	4	12
B3	#4	7'-0"	4	19	8	37
G2	#7	19'-10"	2	81	-	-
G3	#7	30'-0"	-	-	2	123
H1	#4	7'-2"	10	48	10	48
H2	#4	5'-6"	2	7	2	7
H3	#4	3'-5"	4	9	4	9
N1	#5	3'-11"	18	74	22	90
N2	#4	3'-5"	8	18	8	18
T2	#4	24'-8"	6	99		
T3	#4	18'-1"			12	145
T4	#4	6'-9"	6	22	6	27
T5	#4	2'-6"	80	134	122	204
V1	#4	7'-3"	12	58	18	87
V2	#4	5'-10"	10	39	10	39
V3	#4	5'-0"	6	20	6	20
V4	#4	4'-1"	6	16	6	16
V5	#4	3'-2"	6	13	6	13
Z1	#6	4'-8"	6	42	6	42
Z2	#5	4'-0"	6	25	6	25
Z3	#4	3'-4"	6	13	6	13
REINF. STEEL LBS.				783		1019
CON./R.C. CU. YDS				9.8		12.5

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR

REINFORCED CONCRETE ENDWALL

FOR DOUBLE AND TRIPLE 72" PIPE - 90° SKEW

SHEET 1 OF 2

838.40

PROJECT NUMBER = CID-25-02

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

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 PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEE

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

NCDOT DETAILS

ROLESVILLE RD

WAKE COUNTY NC 27312

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

SHEET TITLE:

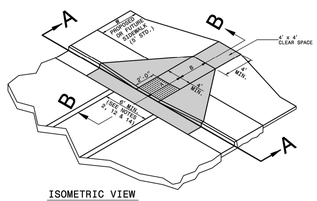
NCDOT DETAILS

SHEET NO.:

CS-501

Z:\Job\23-0004 Merrit Property 880\dwg_Working Dwgs\Sheets\Construction Set\45_CS-500-502 Civil DETAILS.dwg

2025-09-03

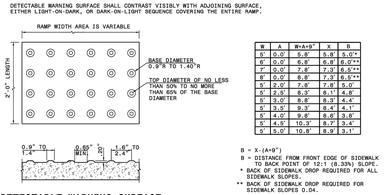


ISOMETRIC VIEW

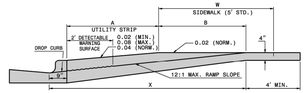
PAY LIMITS FOR CURB RAMP

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

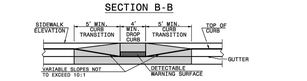
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



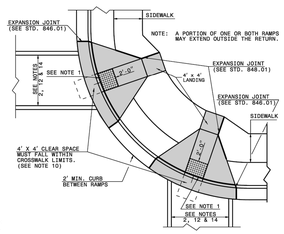
DETECTABLE WARNING SURFACE



SECTION B-B



SECTION A-A



PLAN VIEW

W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0"*
6'	0.0'	6.8'	6.8'	6.0"*
7'	0.0'	7.8'	7.3'	6.5"**
8'	0.0'	8.8'	7.3'	6.5"**
5'	2.0'	7.8'	7.8'	5.0"
5'	3.3'	9.3'	8.1'	4.8"
5'	3.0'	8.8'	8.3'	4.4"
5'	3.5'	9.3'	8.4'	4.1"
5'	4.0'	9.8'	8.6'	3.8"
5'	4.5'	10.3'	8.7	3.4"
5'	5.0'	10.8'	8.9'	3.1"

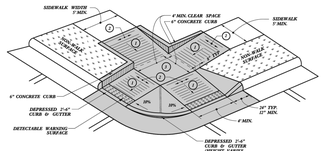
B = X-(A+9")
B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE.
* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES
** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PROPOSED CURB AND GUTTER

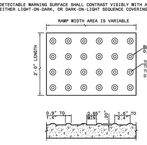
SHEET 1 OF 13
848.06



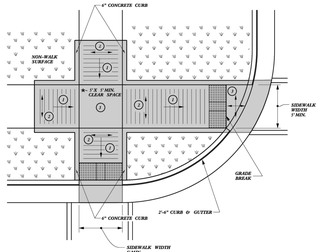
TYPE 5

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



* - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' HORIZONTAL WITH 2' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

TYPE 5A

1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.0%
3. MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.0%

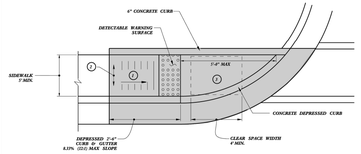
PAY LIMITS FOR 1 OR 2 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF DETECTABLE WARNING SURFACES)

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

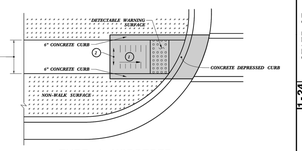
1-24

ROADWAY STANDARD DRAWING FOR
CURB RAMP
SHARED LANDING

SHEET 11 OF 13
848.06



TYPE 1

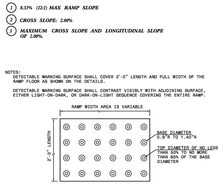


TYPE 1 MODIFIED

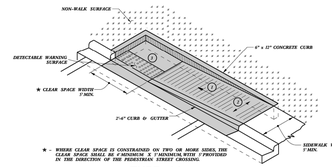
1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.0%
3. MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.0%

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



★ - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' HORIZONTAL WITH 2' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

TYPE 1A

PAY LIMITS FOR 1 CURB RAMP

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
CURB RAMP
DIRECTIONAL RAMP

SHEET 6 OF 13
848.06

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

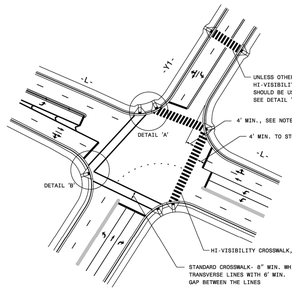
NORTH CAROLINA AMERICAN ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

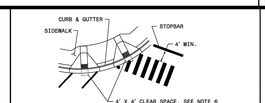
PRELIMINARY

PRELIMINARY NOT FOR RECORDATION, CONVEYANCES OR SALES DO NOT USE FOR CONSTRUCTION
JAKOB P. KLEE 36528 ENGINEER

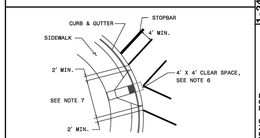
FOR INFORMATION, ONLY

CROSSWALK PLACEMENT GUIDANCE





DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP

DETAIL 'C'- HI-VISIBILITY CROSSWALK

GENERAL NOTES:
1- USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.

2- THE LOCATION AND TYPE OF CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. LOCATE CROSSWALK MARKINGS AS SHOWN ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALLED AS SPECIFIED ON THE PROJECT DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.

3- THE STANDARD CROSSWALK IS TWO WHITE 8" MIN. TRANSVERSE LINES WITH A 6' MIN. GAP BETWEEN THE LINES. THE HI-VISIBILITY CROSSWALK IS WHITE 24" MAX. WIDE LONGITUDINAL LINES WITH 24" MIN. GAPS BETWEEN LINES, SEE DETAIL 'C'. HI-VISIBILITY CROSSWALKS SHOULD BE A MINIMUM OF 6' WIDE. CURB RAMPS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARES.

4- STOP BARS SHOULD BE PLACED A 4' MIN. IN ADVANCE OF NEAREST CROSSWALK LINE.

5- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.

6- BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4' X 4' MIN. SHALL BE PROVIDED WITHIN THE MARKINGS.

7- SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2' MIN. LONG LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.

8- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR DETAILS OR A SPECIAL DESIGN.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

1-24

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
PEDESTRIAN CROSSWALKS

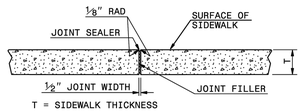
SHEET 1 OF 2
1205.07

NOTES:

CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH ⅛" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE ½" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A ½" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.05 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



TRANSVERSE EXPANSION JOINT IN SIDEWALK

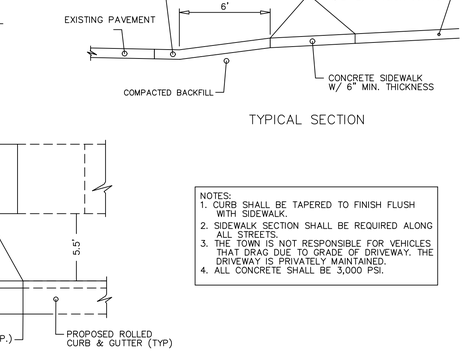
DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

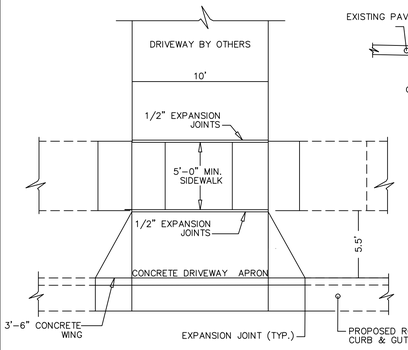
1-24

ROADWAY STANDARD DRAWING FOR
CONCRETE SIDEWALKS

SHEET 1 OF 1
848.01



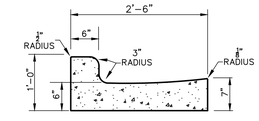
TYPICAL SECTION



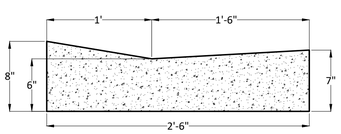
PLAN VIEW

NOTES:
1. CURB SHALL BE TAPERED TO FINISH FLUSH WITH SIDEWALK.
2. SIDEWALK SECTION SHALL BE REQUIRED ALONG ALL STREETS.
3. THE TOWN IS NOT RESPONSIBLE FOR VEHICLES THAT DRAG DUE TO GRADE OF DRIVEWAY. THE DRIVEWAY IS PRIVATELY MAINTAINED.
4. ALL CONCRETE SHALL BE 3,000 PSI.

DRIVEWAY APRON



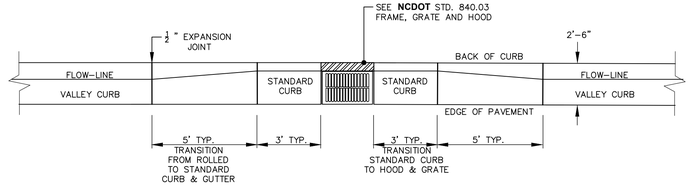
30" STANDARD CURB & GUTTER



VALLEY GUTTER

NOTES:
1. CONCRETE SHALL BE 3000 PSI.
2. CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS OR 15' INTERVALS WHEN A MACHINE IS USED.
3. EXPANSION JOINTS SHALL BE SPACED AT 50' INTERVALS.
4. FINISH ALL CONCRETE WITH CURING COMPOUND.
5. FOLLOW ALL APPLICABLE ACI REQUIRMENTS.
6. ROLLED CURB SHALL ONLY BE USED FOR APPROVED APPLICATIONS.

CURB & GUTTER



CONCRETE CURB AND GUTTER TRANSITION
(VALLEY CURB TO STANDARD CURB)

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
NCDOT DETAILS
ROLESVILLE RD
WAKE COUNTY NC 27312

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

SHEET TITLE:
NCDOT DETAILS

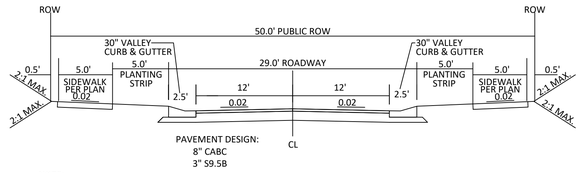
SHEET NO.:
CS-502

PROJECT NUMBER = CID-25-02

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

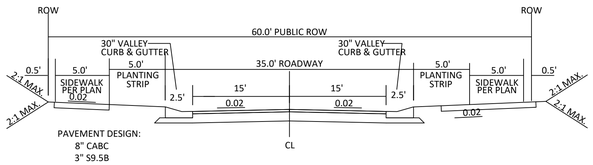
Z:\Jobs\23-0004 Merritt Property BRO\Dwg_Working Dwgs\Sheets\Construction Set\AS_CS-500-502 CIVIL DETAILS.dwg

2025-09-03



NOTE:
1. NORMAL CROWN OF 0.02 UNLESS OTHERWISE DIRECTED BY TOWN ENGINEER.
2. ASPHALT WILL BE INSTALLED AT A MIN. 1.5" LIFTS.

29' B-B ON A 50' R/W
TYPICAL SECTION



NOTE:
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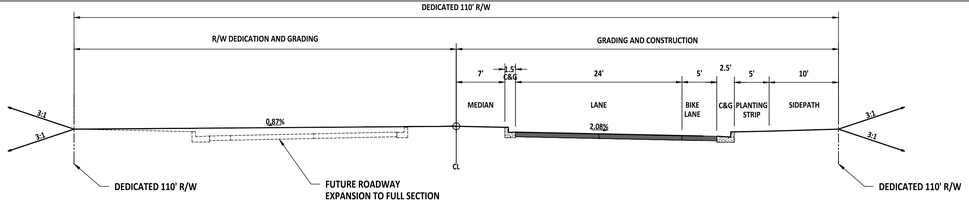
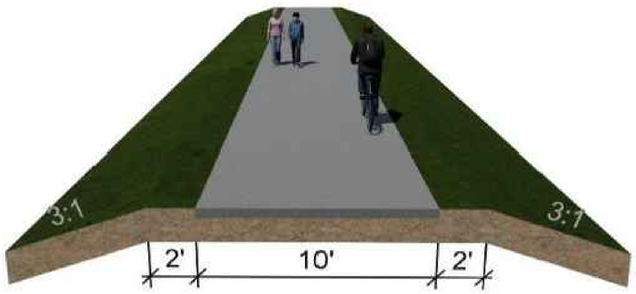
2. ASPHALT WILL BE INSTALLED AT A MIN. 1.5" LIFTS.

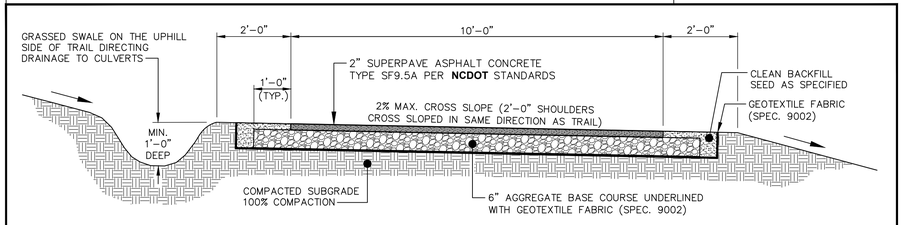
35' B-B ON A 60' R/W
TYPICAL SECTION

FOWLER ROAD 33' B-B ON A 110' R/W
FULL SECTION GRADING, HALF SECTION CONSTRUCTION
14' MEDIAN
NOT TO SCALE



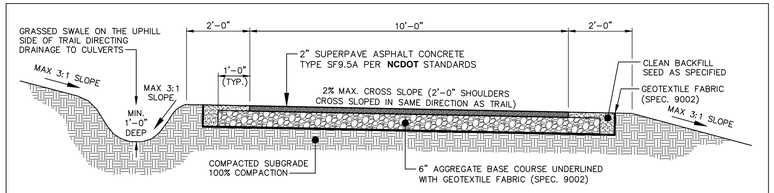


TYPICAL GREENWAY TRAIL DETAIL
NTS



NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING ALL SLOPES DISTURBED BY CONSTRUCTION.
2. NO ABOVE GROUND UTILITIES OR UTILITY SURFACE COVERS/PLATES/MANHOLES SHALL BE LOCATED WITHIN TRAIL AND SHALL BE MINIMUM 2 FEET FROM THE EDGE OF TRAIL. RAISED MANHOLES SHALL BE MINIMUM 4 FEET FROM TRAIL EDGE.
3. ALL TRAILS SHALL BE LOCATED MINIMUM 5 FEET FROM THE BACK OF CURB.
4. SIDE SLOPES SHALL NOT EXCEED 3:1. CUT & FILL SLOPES SHALL TIE INTO EXISTING SLOPES TO CREATE AN EVEN TRANSITION.
5. CROSS SLOPE TYPICALLY TO LOW SIDE BUT CROSS SLOPE TO INSIDE OF DOWNHILL CURVES, WITH GRADUAL TRANSITIONS BETWEEN ANY CROSS SLOPE DIRECTION CHANGES.

STANDARD 10-FT/STREET-SIDE TRAIL ASPHALT GREENWAY TRAIL



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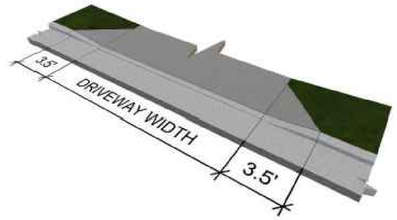
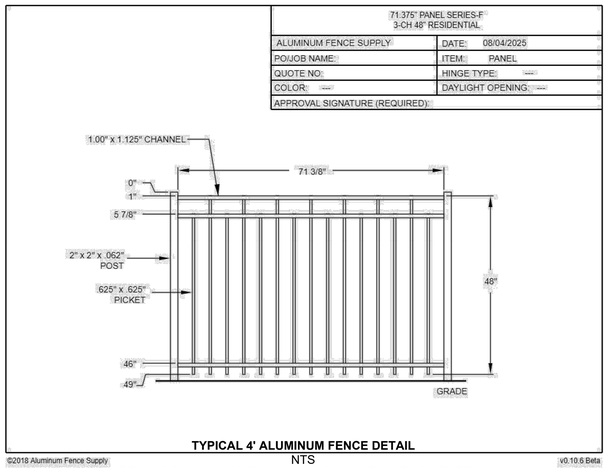
STANDARD 10-FT GREENWAY TRAIL

Driveway cuts will be required on residential collector streets. The curb transition shall occur throughout the concrete wing, over 3.5 feet.

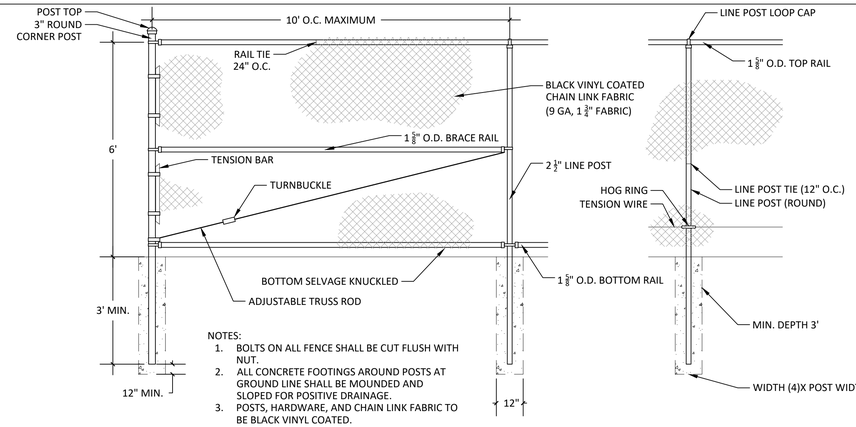


If driveway spacing results in less than 8 feet of standard curb between driveways, an exception to use 30-inch valley curb may be granted by the Town Engineer on a case-by-case basis.

DRIVEWAY CUT DETAIL
NTS



TYPICAL 4' ALUMINUM FENCE DETAIL
NTS
NOTE: FOR FENCES LOCATED ON THE TOP OF RETAINING WALLS, ENSURE GEOGRID IS TIED TO FOOTING



NOTES:
1. BOLTS ON ALL FENCE SHALL BE CUT FLUSH WITH NUT.
2. ALL CONCRETE FOOTINGS AROUND POSTS AT GROUND LINE SHALL BE MOUNDED AND SLOPED FOR POSITIVE DRAINAGE.
3. POSTS, HARDWARE, AND CHAIN LINK FABRIC TO BE BLACK VINYL COATED.

1 6' BLACK VINYL CHAIN LINK FENCE
NTS

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

NORTH CAROLINA ENGINEERING ASSOCIATES SOUTHEAST C-3881 CERTIFICATE OF AUTHORIZATION

PRELIMINARY
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 36528 JAKOB P. KLEE
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
ROLESVILLE RD
WAKE COUNTY NC 27312

SITE DETAILS

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

SHEET TITLE:
SITE DETAILS

SHEET NO.:
CS-503

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

PROJECT NUMBER = CID-25-02

Z:\Jobs\23-0004 Merritt Property (BSP)\wip_ Working Dwgs\Sheets\Construction Set\05 CS-500-502 CIVIL DETAILS.dwg
2025-09-03