ROLESVILLE CROSSING

CONSTRUCTION DOCUMENTS - PHASE 1 & 2

ROLESVILLE PROJECT # CD 21-08
1801 ROLESVILLE RD
ROLESVILLE, NORTH CAROLINA 27587
WAKE COUNTY

OWNERS:
HC ROLESVILLE INVESTMENTS, LLC
1616 CLEVELAND AVE
CHARLOTTE, NC 28203
PH: (704) 805-4801

DEVELOPER:
HOPPER COMMUNITIES, INC
1616 CLEVELAND AVE
CHARLOTTE NC 28203
PH: (704) 805-4801

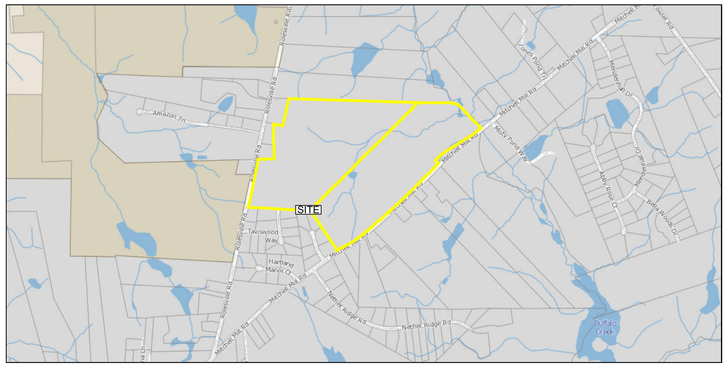
CIVIL ENGINEER:
TIMMONS GROUP
PATRICK BARBEAU, P.E.
5410 TRINITY ROAD; SUITE 102
RALEIGH, NC 27607
PH: (919) 866-4512
PATRICK.BARBEAU@TIMMONS.COM

SURVEYOR:
TIMMONS GROUP
TERRY WESTENDORF, PLS
5410 TRINITY ROAD; SUITE 102
RALEIGH, NC 27607
PH: (984) 255-2353
TERRY.WESTENDORF@TIMMONS.COM
(BOUNDARY ONLY)

BUFFER/WETLAND:
SOIL AND ENVIRONMENTAL CONSULTANTS, PA
STEVEN BALL, RF, PWS
8412 FALLS OF NEUSE ROAD, SUITE 104
RALEIGH, NC 27615
PH: (919) 846-5900
SBALL@SANDEC.COM

SITE DATA TABLE

PROJECT NAME:	WHEELER TRACT
APPLICANT/ PROPERTY OWNER:	HOPPER COMMUNITIES INC. / HC ROLESVILLE, LLC
PIN(S):	1767-48-3143 (46.8 AC) 1767-58-6083 (44.59 AC)
DEED REFERENCE:	D.B. 005456 PG. 00627 D.B. 009828 PG. 00902
PLAT REFERENCE:	BM1998-01776 FORCE MAIN PLAT: BM2023 PG 1009 & 1010
PROPERTY ADDRESS:	1801 ROLESVILLE RD ROLESVILLE, NC 27587
EXISTING ZONING:	R-3-CZ
CURRENT USE:	RESIDENTIAL
PROPOSED USE:	RESIDENTIAL
UNIT COUNT:	SINGLE FAMILY: 177 TOWNHOUSE: 120
TOTAL PROJECT AREA:	91.01 AC AFTER R/W DEDICATION
PROPOSED NEW PUBLIC R/W DEDICATION:	ROLESVILLE ROAD: 1/2 OF 100' R/W
	MITCHELL MILL ROAD: 1/2 OF 110' PER TOWN
	INTERNAL ROADS: 50' AND 60' AND 63' R/W
WATERSHED:	BUFFALOE CREEK
RIVER BASIN:	NEUSE
DISTURBED AREA:	TOTAL: 90.1 AC SINGLE FAMILY RESIDENTIAL: 71.2 AC TOWN HOME COMMERCIAL: 18.9 AC



VICINITY MAP
1" = 1000'

15.4.5 - STREETS

15.4.5.1
TYPE OF STREET REQUIRED
ALL SUBDIVISION LOTS SHALL ABUT AT LEAST 20 FEET ON A PUBLIC STREET. ALL PUBLIC STREETS SHALL BE DEDICATED TO THE TOWN OF ROLESVILLE, THE STATE OF NORTH CAROLINA OR THE PUBLIC AS DETERMINED APPROPRIATE BY THE BOARD OF COMMISSIONERS OF THE TOWN OF ROLESVILLE. ALL PUBLIC STREETS SHALL BE BUILT TO THE STANDARDS OF THIS ORDINANCE AND ALL OTHER APPLICABLE STANDARDS OF THE TOWN OF ROLESVILLE AND THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION. PUBLIC STREETS NOT DEDICATED TO THE TOWN WHICH ARE ELIGIBLE FOR ACCEPTANCE INTO THE STATE HIGHWAY SYSTEM SHALL BE CONSTRUCTED TO THE STANDARDS NECESSARY TO BE PUT ON THE STATE HIGHWAY SYSTEM OR THE STANDARDS IN THIS ORDINANCE, WHICHEVER IS STRICTER, IN REGARD TO EACH PARTICULAR ITEM AND SHALL BE PUT ON SUCH SYSTEM. STREETS NOT DEDICATED TO THE TOWN WHICH ARE NOT ELIGIBLE TO BE PUT ON THE STATE HIGHWAY SYSTEM BECAUSE THERE ARE TOO FEW LOTS OR RESIDENCES SHALL, NEVERTHELESS, BE DEDICATED TO THE PUBLIC AND SHALL BE IN ACCORDANCE WITH THE STANDARDS IN THIS ORDINANCE OR THE STANDARDS NECESSARY TO BE PUT ON THE STATE HIGHWAY SYSTEM, WHICHEVER IS STRICTER IN REGARD TO EACH PARTICULAR ITEM, SO AS TO BE ELIGIBLE TO BE PUT ON THE SYSTEM AT A LATER DATE. A WRITTEN MAINTENANCE AGREEMENT WITH PROVISIONS FOR MAINTENANCE OF THE STREET UNTIL IT IS PUT ON THE STATE SYSTEM SHALL BE INCLUDED WITH THE FINAL PLAT.

15.4.5.2
SUBDIVISION STREET DISCLOSURE STATEMENT
ALL STREETS SHOWN ON THE FINAL PLAT SHALL BE DESIGNATED IN ACCORDANCE WITH G.S. § 136-102.6 AND DESIGNATION AS PUBLIC SHALL BE CONCLUSIVELY PRESUMED AN OFFER OF DEDICATION TO THE PUBLIC. WHERE STREETS ARE DEDICATED TO THE PUBLIC BUT NOT ACCEPTED INTO A MUNICIPAL OR THE STATE SYSTEM, BEFORE LOTS ARE SOLD, A STATEMENT EXPLAINING THE STATUS OF THE STREET SHALL BE INCLUDED WITH THE FINAL PLAT.

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT
APPROVED
EROSION CONTROL ☐ S-EC-069098-2021
STORMWATER MGMT. ☐ S- WF-069095-2021 & SWF-069096-2021
FLOOD STUDY ☐ S-_____
DATE _____
ENVIRONMENTAL CONSULTANT SIGNATURE

Rolesville
APPROVED FOR COMPLIANCE
Case #_____ Project:_____
By:_____ Date:_____
These plans have been approved for compliance with the Town Code of Ordinance, UDO, and Standard Specifications & Construction Details, subject to statements & conditions hereby incorporated by reference.

ATTENTION CONTRACTORS
The ***Construction Contractor*** responsible for the extension of water, sewer, and/or reuse, as approved in these plans, is responsible for ***contacting*** the ***Public Utilities Department*** at ***(919) 996-4540*** at least ***twenty four hours*** prior to beginning any of their construction.

Failure to notify both ***City Departments*** in advance of beginning construction, will result in the issuance of ***monetary fines***, and require reinstallation of any water or sewer facilities not inspected as a result of this notification failure.

Failure to call for ***Inspection***, ***Install a Downstream Plug***, have ***Permitted Plans*** on the ***Jobsite***, or any other ***Violation*** of ***City of Raleigh Standards*** will result in a ***Fine and Possible Exclusion*** from future work in the ***City of Raleigh***.

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 # _____

Authorization to Construct See digital signature

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 # _____

Authorization to Construct See digital signature

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C1.5	ANNEXATION PLAT
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L1.6	LANDSCAPE PLAN
L1.7	LANDSCAPE PLAN
L1.8	LANDSCAPE PLAN
L1.9	LANDSCAPE PLAN
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CUL-DE-SACS

CUL-DE-SACS SHALL NOT EXCEED 250 FEET IN LENGTH FROM THE NEAREST INTERSECTION. CUL-DE-SAC LENGTHS LONGER THAN 250 FEET WILL BE REVIEWED FOR APPROVAL ON A CASE-BY-CASE BASIS. AS SUCH, THE BOARD HAS APPROVED AVERY DRIVE, CARTERET DRIVE, AND DAVIE DRIVE AS THESE CUL-DE-SAC STREETS EXCEED 250' IN LENGTH.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

KNOW WHAT'S BELOW.
CALL 811 BEFORE YOU DIG.

HOPPER COMMUNITIES

S:\032\43398-Wheeler_Tract\DWG\Sheet\CD\43398C-CVR-COVR.dwg | Plotted on 12/22/2023 12:50 PM | by April Blyre

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 PATRICK BARBEAU
01/02/2024

THIS DRAWING PREPARED AT THE
RALEIGH OFFICE
5410 Trinity Road, Suite 102 | Raleigh, NC 27607
TEL 919.866.4951 FAX 919.833.8124 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

REVISION DESCRIPTION	DATE
REVISIONS PER WAKE COUNTY COMMENTS	06/24/2022
CONSTRUCTION DOCUMENT SUBMITTAL	07/22/2022
REVISIONS PER CITY OF RALEIGH COMMENTS	09/06/2023
REVISIONS PER CITY OF RALEIGH COMMENTS	01/02/2024
REVISIONS TO APPROVED PLANS	

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN
JOB NO. 43398
SHEET NO. CVR

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
COVER PAGE

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Exhibit D

Conditional Zoning District Zoning Conditions

1. The total number of dwelling units on the subject property shall not exceed 297 dwelling units and not more than 120 of these dwelling units are permitted to be townhomes. No apartments (multi-family units) shall be permitted.

2. A twenty feet (20') wide Type A landscape buffer shall be installed along the subject property's frontage on Rolesville Road and along Mitchell Mill Road. The buffer shall be maintained the Homeowners Association for the proposed subdivision.

3. Sidewalk meeting town standards shall be installed along the subject property's frontage along Mitchell Mill Road at the same time road improvement are being installed on Mitchell Mill Road pursuant to Condition 5 below. The sidewalk shall be dedicated to and maintained by the Town of Rolesville.

4. Recreational Amenities: The following recreational amenities shall be provided generally as shown on the attached Exhibit 1 as a part of the development of the subject property and dedicated to and maintained by the Homeowners Association for the proposed subdivision except for the public greenway which shall be dedicated as such to the Town of Rolesville:

- A swimming pool and cabana, including changing rooms and restrooms shall be constructed prior to the issuance of the 150th building permit;
- At least one fenced playground shall be constructed prior to the issuance of the 150th building permit;
- At least one fenced dog park shall be constructed prior to the issuance of the 150th building permit;
- Public greenway on a greenway easement at least 25' wide with paved trails at least ten feet wide (10') shall be constructed generally as shown on the attached Exhibit 1 and dedicated to the Town of Rolesville; and
- A private Multi-purpose Trail at least ten feet (10') shall be provided generally as shown on the attached Exhibit 1 and dedicated to and maintained by the Homeowners Association for the proposed subdivision.

5. Transportation Improvements: To address transportation impacts reasonably expected to be generated by the development, the following road improvements shall be installed as recommended by the Traffic Impact Analysis for the Wheeler Tract, prepared by Ramey Kemp & Associates and dated May 2019, a copy of which is on file with the Town of Rolesville, together with the comments made by the North Carolina Department of Transportation in their Traffic Impact Analysis Review Report dated July 26, 2019:

- Rolesville Road and Site Drive 1:
  - Provide site access via full movement intersection with one ingress and one egress lane
  - Provide stop control for westbound drive approach;
  - Construct a designated southbound left-turn lane with at least 100 feet of storage and appropriate deceleration and taper;
  - Provide a designated northbound right-turn lane with at least 100 feet of storage and appropriate deceleration and taper.
- Mitchel Mill and Site Drive 2:
  - Provide access via full movement intersection with one ingress lane and one egress lane;
  - Provide stop control for southbound site drive approach; and
  - Provide a designated eastbound left-turn lane with at least 100 feet of storage and appropriate deceleration and taper.
- Rolesville Road and Mitchell Mill Road: prior to the issuance of a building permit for the 150th dwelling unit, the property owner shall contribute Fifty Thousand Dollars ($50,000.00) to the Town of Rolesville to be used by the Town of Rolesville to install a traffic light at the intersection of Mitchell Mill and Rolesville Road.
- No Extension of Tayiston Court: In addition, the Board of Commissioners has determined that the extension of Tayiston Court, including the dedication or preservation of right-of-way for a future extension of Tayiston Court, into the subject property is undesirable, does not serve the public interest and shall be prohibited.

Conditions Applicable to single-family homes only:

6. All homes shall include either crawl space foundations or stem wall foundations. Any stem wall foundations shall have a brick or stone veneer on all sides facing a public street.

7. The minimum square footage for two-story homes shall be 2,200 square feet. The minimum square footage for one-story homes shall be 1,600 square feet.

8. A twenty-five foot (25') wide Type A landscape buffer shall be installed adjacent the properties to the north currently owned by Dwight and Carolyn Woodlief and more particularly described as Lot 6 on Book Maps 2011, Page 84, Wake County Registry (Wake County PIN 1767 58 09384.) This buffer shall be located within an easement that may be a part of a residential lot. The buffer shall be maintained the Homeowners Association for the proposed subdivision.

9. A twenty foot (20') wide Type A landscape buffer shall be installed along the common boundary line with the following properties. This buffer shall be located within an easement that may be a part of a residential lot. The buffer shall be maintained the Homeowners Association for the proposed subdivision.

- 1809 Rolesville Road, Wake Forest, Wake County PIN # 1767375272, Book 12777, Page 1559;
- 3813 Tayiston Court, Wake Forest, Wake County PIN # 1767377282; Book 12779, Page 2611;
- 3820 Tayiston Court, Wake Forest, Wake County PIN # 1767470283, Book 17687, Page 672;
- 3813 Arbor Rose Lane, Wake Forest, Wake County PIN # 1767472196, Book 9496, Page 2630;
- 3816 Arbor Rose Lane, Wake Forest, Wake County PIN # 1767474134, Book 16324, Page 1810;
- 3812 Arbor Rose Lane, Wake Forest, Wake County PIN # 1767465953, Book 11390, Page 1138;
- 3804 Arbor Rose Lane, Wake Forest, Wake County PIN # 1767466746, Book 11327, Page 1152;
- 1725 Rolesville Road, Wake Forest, Wake County, PIN # 1767 38 7170, Book 17107, Page 582;
- 1727 Rolesville Road, Wake Forest, Wake County, PIN # 1767 38 8313; Book 3750, Page 591; and
- 1709 Rolesville Road, Wake Forest, Wake County, PIN # 1767 38 9615; Book 4572, Page 246.

Conditions Applicable to townhomes only:

10. No townhome building shall exceed six (6) units.

11. The minimum square footage for townhomes shall be 1,200 square feet.

LEGEND

- PROPOSED RIGHT-OF-WAY
- PROPOSED PROPERTY BOUNDARY
- BUILDING SETBACK
- STREETSCAPE
- PROPOSED ROAD CENTERLINE
- PROPOSED CURB AND GUTTER
- PROPOSED SIDEWALK
- PROPOSED ROAD STRIPING
- PROPOSED SCM LOCATION
- PROPOSED SANITARY SEWER EASEMENT
- PROPOSED DRAINAGE EASEMENT
- PROPOSED PUBLIC GREENWAY EASEMENT
- PROPOSED NCDOT SIGHT DISTANCE TRIANGLE
- PROPOSED RETAINING WALL
- 100 PROPOSED MAJOR CONTOUR
- 99 PROPOSED MINOR CONTOUR
- W PROPOSED WATER LINE
- SAN PROPOSED SANITARY SEWER
- FM PROPOSED FORCE MAIN
- PROPOSED STORM PIPE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED TEE
- PROPOSED CROSS
- PROPOSED BEND
- PROPOSED MANHOLE
- ADA MARKING
- PROPOSED TRAFFIC ARROW
- PROPOSED CATCH BASIN
- PROPOSED YARD INLET
- PROPOSED JUNCTION BOX
- PROPOSED END WALL
- PROPOSED FLARED END SECTION
- PROPOSED RISER STRUCTURE

PARKING SUMMARY

REQUIRED PARKING		
SINGLE FAMILY UNITS	2 SPACES PER DWELLING UNIT	
TOWNHOMES	2 SPACES PER DWELLING UNIT PLUS 1/2 PER BEDROOM OVER TWO BEDROOMS PLUS 1 VISITOR SPACE FOR EACH 4 FOUR DWELLING UNITS	
	PHASE 1	**PHASE 2**
SINGLE FAMILY UNITS	72 UNITS X 2 SPACES = **144 SPACES**	105 UNITS X 2 SPACES = **210 SPACES**
TOWNHOMES (3-BEDROOM)	49 UNITS (INCL. 18 END UNITS) X 2.5 SPACES = **123 SPACES**	71 UNITS (INCL. 28 END UNITS) X 2 SPACES = **142 SPACES**
VISITOR PARKING	49 UNITS / 4 = **13 SPACES**	71 UNITS / 4 = **18 SPACES**
MAIL KIOSK PARKING	7	5
TOTAL SPACES REQUIRED	287 SPACES	375 SPACES

PROVIDED PARKING		
	PHASE 1	**PHASE 2**
GARAGE PARKING	121	176
SINGLE FAMILY	72 UNITS X 1 SPACE = **72 SPACES**	105 UNITS X 1 SPACE = **105 SPACES**
TOWNHOMES	49 UNITS X 1 SPACE = **49 SPACES**	71 UNITS X 1 SPACE = **71 SPACES**
DRIVEWAY PARKING	121	176
SINGLE FAMILY	72 UNITS X 1 SPACE = **72 SPACES**	105 UNITS X 1 SPACE = **105 SPACES**
TOWNHOMES	49 UNITS X 1 SPACE = **49 SPACES**	71 UNITS X 1 SPACE = **71 SPACES**
PARKING LOT SPACES (PROVIDED TO SERVE MAIL KIOSKS AND VISITOR SPOTS)	45	64
TOTAL PROVIDED PARKING	287 SPACES	416 SPACES

OPEN SPACE CALCULATIONS

PHASE	AREA	REQUIRED 10% GROSS AREA	PROVIDED
		TOTAL (ACTIVE)	TOTAL (ACTIVE)
	(AC)	(AC)	(AC)
PHASE 1	40.34	4.03 (2.02)	6.53 (2.08)
PHASE 2	50.67	5.07 (2.53)	8.14 (2.79)
TOTAL	91.01		14.67 (4.87)

PUBLIC IMPROVEMENT QUANTITY TABLE

PHASE	1	2
NUMBER OF LOT(S)	297	
LOT NUMBER(S) BY PHASE	1-60, 126-129, 170-185, 194-216, 280-297	61-125, 130-169, 186-193, 217-279
NUMBER OF SINGLE FAMILY UNITS	72	105
NUMBER OF TOWNHOME UNITS	49	71
LIVABLE BUILDINGS	121	176
OPEN SPACE?	YES	YES
NUMBER OF OPEN SPACE LOTS (AC)	5 (6.53)	14 (8.14)
PUBLIC WATER (LF)	5,860	6,610
PUBLIC SEWER (LF)	5,420	6,760
PUBLIC FORCEMAIN (LF)	4,600	0
PUBLIC STREET (LF) - FULL	5,670	6,930
PUBLIC STREET (LF) - PARTIAL	2,830	0
PUBLIC SIDEWALK (LF)	10,550	13,365
NUMBER OF STREET SIGNS	21	12
WATER SERVICE STUBS	123	176
SEWER SERVICE STUBS	122	176

MAIL KIOSK CALCULATIONS

NUMBER OF MAIL BOXES (UNITS)	REQUIRED PARKING SPACES
52 OR LESS	2
53-78	3
79-104	4
105 OR MORE	4 PLUS 1 PER EACH ADDITIONAL 26 MAIL BOXES

MAIL KIOSK AREA 1 (LOTS 1-177)	
MINIMUM REQUIRED PARKING SPACES:	4 + 1 x (177-105) / 26 = 6.77 SPACES TOTAL REQUIRED: 7 SPACES (1 ADA SPACE)
MAIL KIOSK AREA 2 (LOTS 178-297)	
MINIMUM REQUIRED PARKING SPACES:	4 + 1 x (120-105) / 26 = 4.58 SPACES TOTAL REQUIRED: 5 SPACES (1 ADA SPACE)

STORMWATER SITE DATA

IMPERVIOUS BREAKDOWN FOR LOTS

	# OF LOTS	MAX. IMPERVIOUS ALLOWANCE (SF)	TOTAL IMPERVIOUS (SF)	TOTAL IMPERVIOUS (AC)
22' TOWNHOME	120	1,600	192,000	4.41
SHALLOW LOT	86	3,600	309,600	7.11
DEEP LOT	91	3,600	327,600	7.52
TOTAL UNITS	297	-	829,200	19.04

IMPERVIOUS BREAKDOWN FOR TOTAL SITE

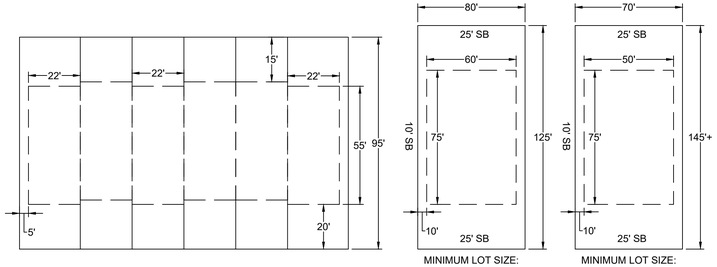
	AREA (SF)	AREA (AC)
LOTS	829,200	19.04
CLUBHOUSE	9,828	0.23
ONSITE SIDEWALK	154,105	3.54
ONSITE ROAD	413,326	9.49
TOTAL IMPERVIOUS	1,406,459	32.30

SITE DATA TABLE

PROJECT NAME:	ROLESVILLE CROSSING
APPLICANT:	HOPPER COMMUNITIES
PIN(S):	1767-48-3143 1767-58-6083
DEED REFERENCE:	D.B. 005456 PG. 00627 D.B. 009828 PG. 00902
PLAT REFERENCE:	BM1998-01776
PROPERTY ADDRESS:	1801 ROLESVILLE RD ROLESVILLE, NC 27587
EXISTING ZONING:	R-30 (WAKE COUNTY)
PROPOSED ZONING:	R-3-CZ
CURRENT USE:	RESIDENTIAL
PROPOSED USE:	RESIDENTIAL
UNIT COUNT:	SINGLE FAMILY: 177 TOWNHOUSE: 120
TOTAL PROJECT AREA:	91.39 AC
TOTAL DISTURBED AREA:	90.1 AC
TOWNHOUSE AREA (DENSITY):	15.00 ACRES (8.0 DU/AC)
SINGLE FAMILY AREA (DENSITY):	76.39 ACRES (2.32 DU/AC)
PROPOSED NEW PUBLIC R/W DEDICATION	ROLESVILLE ROAD: 20' R/W (50' FROM CENTER LINE) MITCHELL MILL ROAD: 25' DEDICATION (55' FROM CENTER LINE) INTERNAL ROADS: 50' AND 60' R/W
PROJECT AREA AFTER R/W DEDICATION	91.01 AC
RIVER BASIN:	NEUSE
SURFACE WATER CLASSIFICATION:	C; NSW
WATERSHED:	BUFFALOE CREEK
BUILDING SETBACKS (SINGLE FAMILY, DETACHED RESIDENTIAL):	
FRONT:*	25'
	*LOTS 72-76 HAVE 40' FRONT SETBACK
CORNER:	15'
SIDE:	10'
SIDE STREET:	15'
REAR:	25'
LOT WIDTH:	65'
MINIMUM LOT AREA:	6,000 SF
BUILDING SETBACKS (TOWNHOUSES):	
FRONT:	15' (20' FOR SINGLE CAR GARAGE)
CORNER:	10'
SIDE:	0' WITH 30' MINIMUM BETWEEN STRUCTURES
REAR:	15'
LOT WIDTH:	20'

TYPICAL LOT DIMENSIONS

N.T.S.



TYPICAL LOT DIMENSIONS "TOWNHOMES"

TYPICAL SHALLOW LOT DIMENSIONS "SINGLE FAMILY"
3,500 SF IMPERVIOUS
MINIMUM LOT SIZE: 10,000 SF

TYPICAL DEEP LOT DIMENSIONS "SINGLE FAMILY"
3,500 SF IMPERVIOUS
MINIMUM LOT SIZE: 10,000 SF

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 BARBEAU
01/02/2024

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01/02/2024	REVISIONS TO APPROVED PLANS

DATE: *09/17/2021*
DRAWN BY: *R. WINGATE*
DESIGNED BY: *P. BARBEAU*
CHECKED BY: *P. BARBEAU*
SCALE: *AS SHOWN*

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

PROJECT NOTES AND SITE DETAILS

JOB NO. *43398*
SHEET NO. *C0.0*

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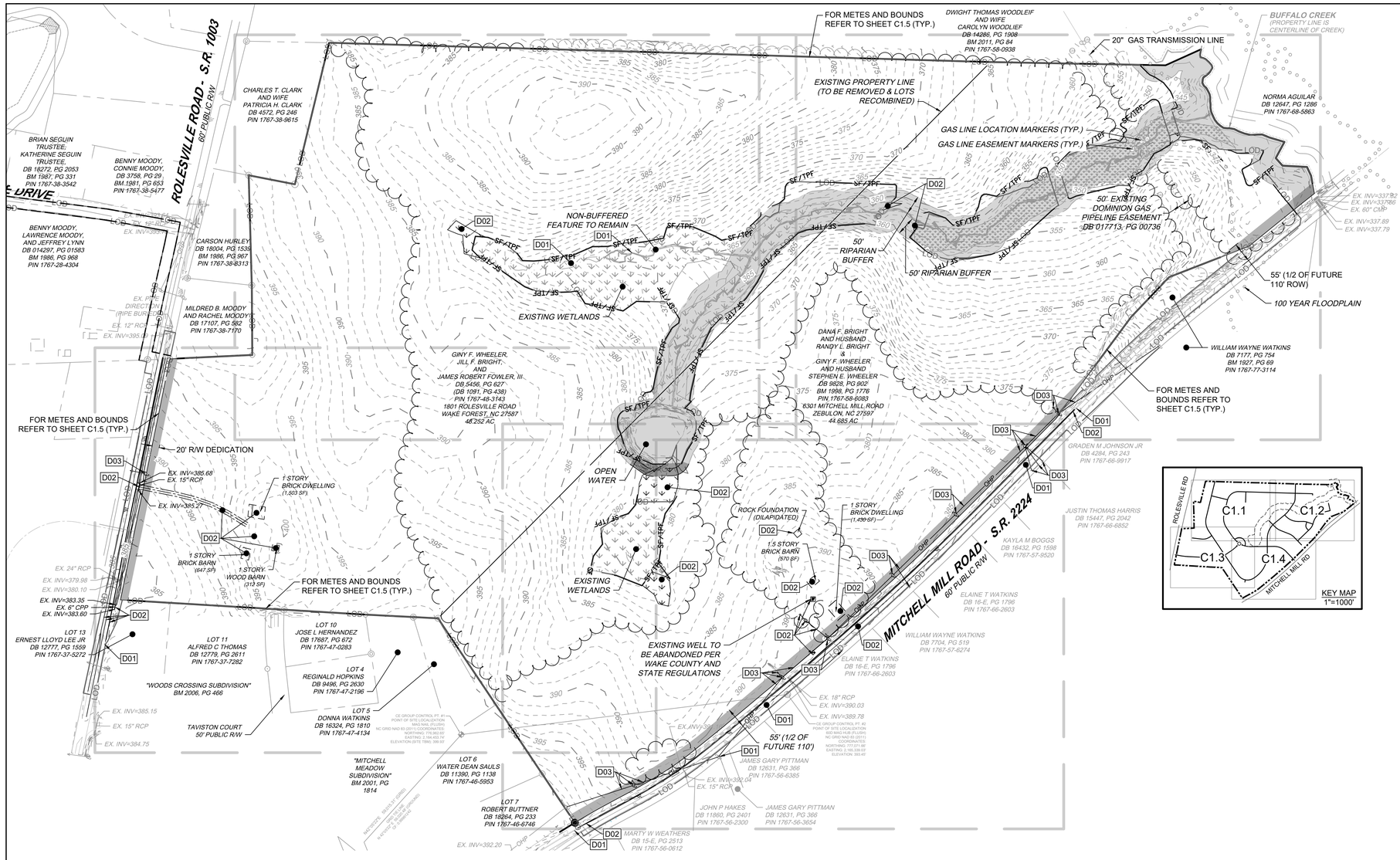


SURVEY NOTES

1. ON SITE BOUNDARY INFORMATION IS TAKEN FROM A SURVEY BY TIMMONS GROUP DATED 08/19/2019. OFFSITE TOPOGRAPHY AND PLANIMETRIC INFORMATION FROM OTHER SOURCES AND HAS NOT BEEN FIELD VERIFIED BY TIMMONS GROUP. ONSITE TOPOGRAPHY RECEIVED FROM THE CE GROUP ON 01/04/2021.
2. ONSITE WETLAND LOCATION AND STREAM DELINEATION BY S&EC, PA.
3. ALL DISTANCES SHOWN ON SURVEY ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
4. THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY THIS FIRM.
5. BASIS OF BEARING SHOWN HEREON IS NC GRID NAD 83 (NSRS 2007).
6. VERTICAL DATUM SHOWN HEREON IS NAVD88.
7. OTHER SOURCES OF INFORMATION INCLUDE CITY OF RALEIGH GIS AND AERIAL IMAGERY.
8. NOT LOCATED IN FLOOD HAZARD AREA PER FEMA MAP #3720176600J (EFFECTIVE 05/02/2006).
9. RECORDED PROPERTY DATA:
   - 9.1. DB 005456, PG 00627
   - 9.2. DB 009828, PG 00902
10. EXISTING IMPERVIOUS AREA = 0.0 ACRES
11. THE UTILITIES ON THESE PLANS ARE APPROXIMATE ONLY, AND ARE NOT ACCURATE FOR CONSTRUCTION PURPOSES. FOR FIELD MARKS CALL 1-800-632-4949.
12. OFFSITE TOPOGRAPHY FROM WAKE COUNTY GIS.

DEMOLITION KEYNOTES

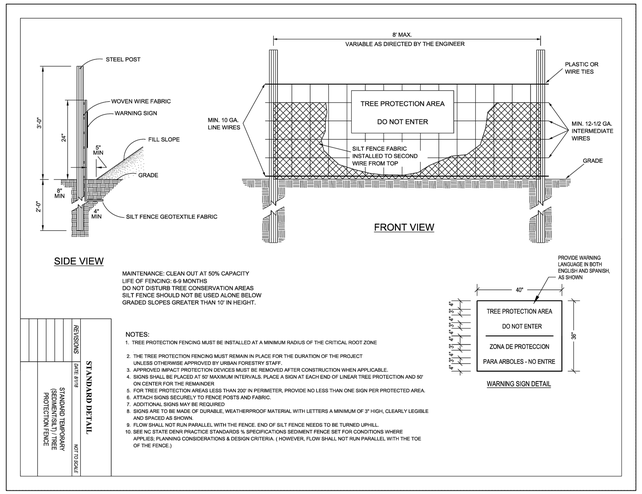
NUMBER	DESCRIPTION
D01	EXISTING FEATURE TO REMAIN.
D02	REMOVE EXISTING FEATURE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTOR TO COORDINATE AS NEEDED WITH LOCAL MUNICIPALITY, INSPECTORS, AND/OR UTILITY COMPANIES.
D03	RELOCATE AND MODIFY EXISTING FEATURE TO REMAIN IN SERVICE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTOR TO COORDINATE AS NEEDED WITH LOCAL MUNICIPALITY, INSPECTORS, AND/OR UTILITY COMPANIES.

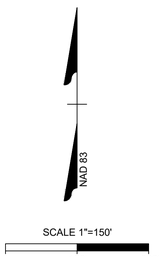
LEGEND

	DESCRIPTION
	100 YEAR FLOODPLAIN
	TREE LINE
	50' RIPARIAN BUFFER
	WETLANDS
LOD	LIMITS OF DISTURBANCE

DEMOLITION NOTES

1. ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
2. CONTRACTOR TO OBTAIN, REFERENCE, AND UTILIZE ALL AVAILABLE ENVIRONMENTAL REPORTS (PHASE 1 ESA, ASBESTOS, ETC.) FROM DEVELOPER.
3. ALL WASTE MATERIAL GENERATED FROM CLEARING AND DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
4. REMOVE/ DEMOLISH/ ABANDON AFTER EROSION CONTROL MEASURES ARE IN PLACE AN APPROVAL OF THE INSPECTOR. REFER TO EROSION CONTROL PLAN.
5. REMOVE TOPSOIL AND STOCKPILE APPROPRIATELY ON-SITE. ON-SITE TEMPORARY STOCKPILES SHALL BE LOCATED WITHIN CONSTRUCTION LIMITS.
6. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED BY THE OWNER OR OTHERS EXCEPT WHEN PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE ACCEPTABLE TEMPORARY UTILITY SERVICES. (1) NOTIFY OWNER NOT LESS THAN ONE WEEK IN ADVANCE OF PROPOSED UTILITY INTERRUPTIONS. (2) DO NOT PROCEED WITH UTILITY INTERRUPTIONS WITHOUT RECEIVING OWNER WRITTEN PERMISSION. (3) COORDINATE ALL UTILITY RELOCATION WITH APPROPRIATE UTILITY PROVIDER.
7. ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT WITH NEW CONSTRUCTION. ANY EXISTING PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH EXISTING CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED). UTILITY INSTALLATIONS MAY UTILIZE OPEN CUT OF PAVEMENTS UNLESS INDICATED OTHERWISE. TRENCH IN EXISTING ASPHALT SHALL BE PATCHED PER PAVEMENT REPAIR DETAIL.
8. PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGE OCCUR, NOTIFY ARCHITECT IMMEDIATELY.
9. SUBSURFACE FEATURES ARE SHOWN IN APPROXIMATE LOCATION. CONTRACTOR IS RESPONSIBLE FOR SUBSURFACE UTILITY EXPLORATION TO DETERMINE UTILITY LOCATIONS AND DEPTHS.
10. THE CONTRACTOR SHALL USE NC ONE CALL (811) TO LOCATE ALL UNDERGROUND UTILITIES.
11. CONTRACTOR TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION. REPAIR AND REPLACE ANY DAMAGES TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION.
12. CONTRACTOR IS RESPONSIBLE FOR REMOVING OR ABANDONING ALL EXISTING UTILITIES AND STRUCTURES REQUIRED TO COMPLETE SITE CONSTRUCTION, EITHER ONSITE OR IN PUBLIC ROW, IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
13. WATER AND SEWER ABANDONMENT SHALL BE DONE IN ACCORDANCE WITH CITY OF RALEIGH STANDARDS INCLUDING DISCONNECT FROM THE MAIN AND REMOVAL OF SERVICES FROM THE RIGHT-OF-WAY.
14. ANY EXISTING UNIDENTIFIED SEPTIC SYSTEMS AND WELLS FOUND ON SITE SHALL BE REMOVED OR ABANDONED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AT NO CHARGE TO THE OWNER
15. VERIFY ALL ILLUSTRATED KNOWN UNDERGROUND ELEMENTS. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS. NOTIFY THE ARCHITECT IMMEDIATELY IF UNKNOWN ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
16. CONTRACTOR SHALL COORDINATE ALL CONNECTIONS, RELOCATION AND DEMOLITION WORK WITH THE APPROPRIATE COMPANY OR JURISDICTION HAVING AUTHORITY AND SHALL OBTAIN ANY PERMITS AS REQUIRED.
17. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
18. EXISTING MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, UTILITY POLES ETC. TO REMAIN WITHIN THE GRADING LIMITS SHALL BE ADJUSTED AS NEEDED TO FUNCTION PROPERLY WITH THE PROPOSED FINISHED GRADES (WHETHER OR NOT INDICATED TO BE MODIFIED).
19. GENERAL CONTRACTOR TO COORDINATE ALL PEDESTRIAN ACCESS PATHS, LOCATIONS, LIGHTING ETC. WITH THE DEVELOPER.
20. CONTRACTOR SHALL NOTIFY APPROPRIATE DEPARTMENTS PRIOR TO BEGINNING ANY WORK WITHIN PUBLIC RIGHT-OF-WAY.





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DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08
NORTH CAROLINA LICENSE NO. C-1652
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

JOB NO. 43398
SHEET NO. C1.0

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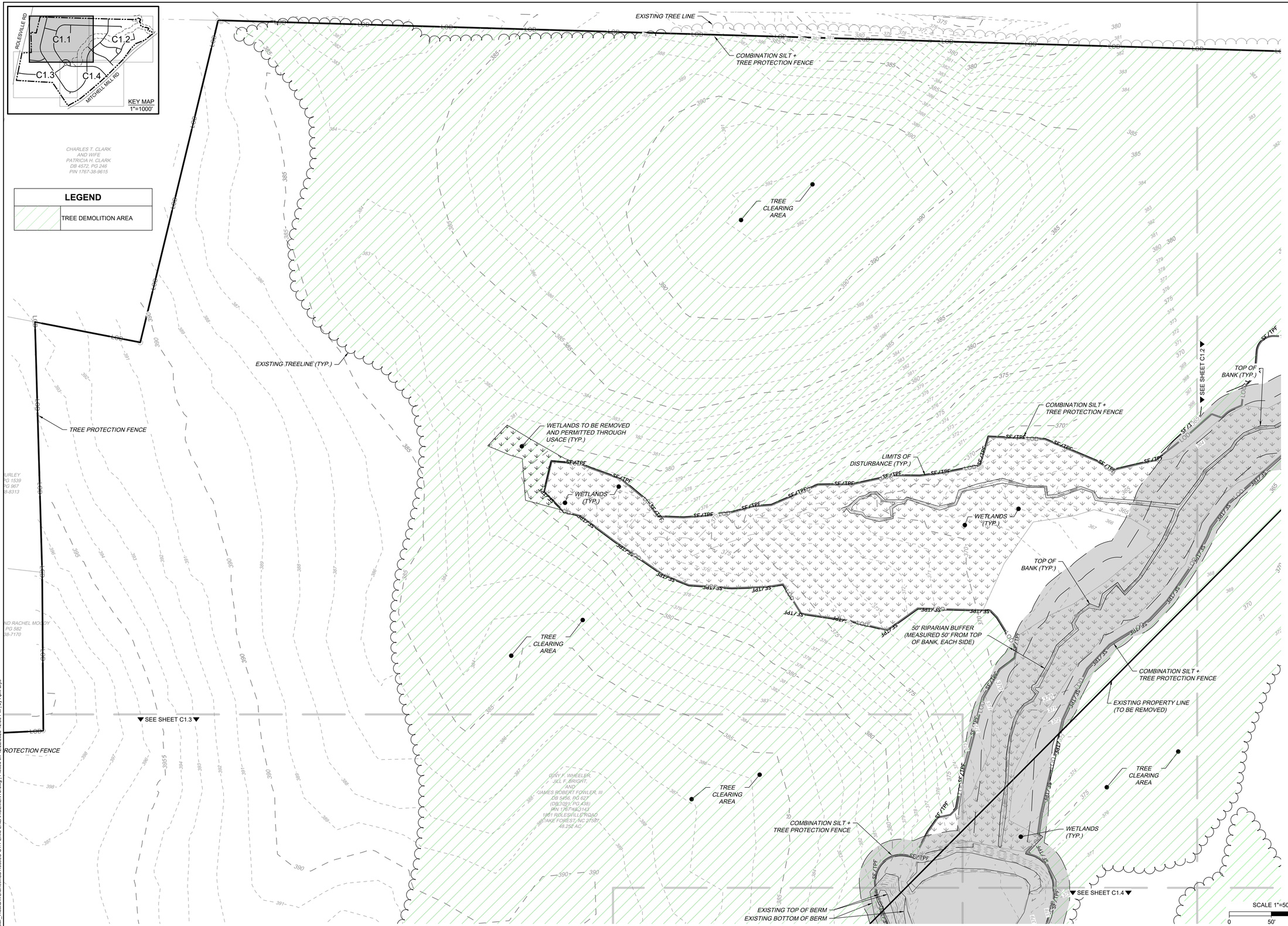

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SCALE: AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

EXISTING CONDITIONS AND DEMOLITION PLAN

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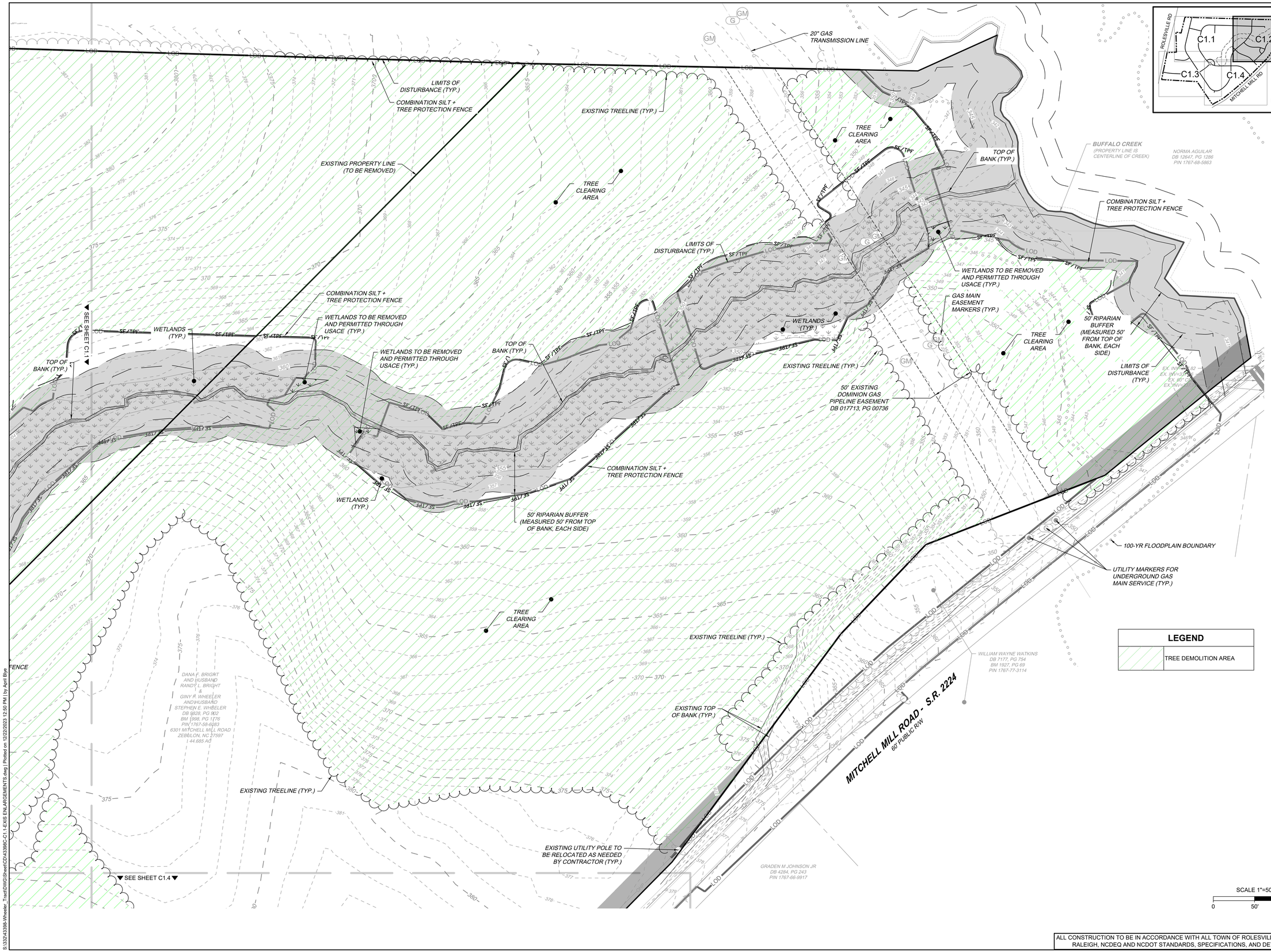

LEGEND	
	TREE DEMOLITION AREA

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

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DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

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ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

EXISTING CONDITIONS AND DEMOLITION PLAN

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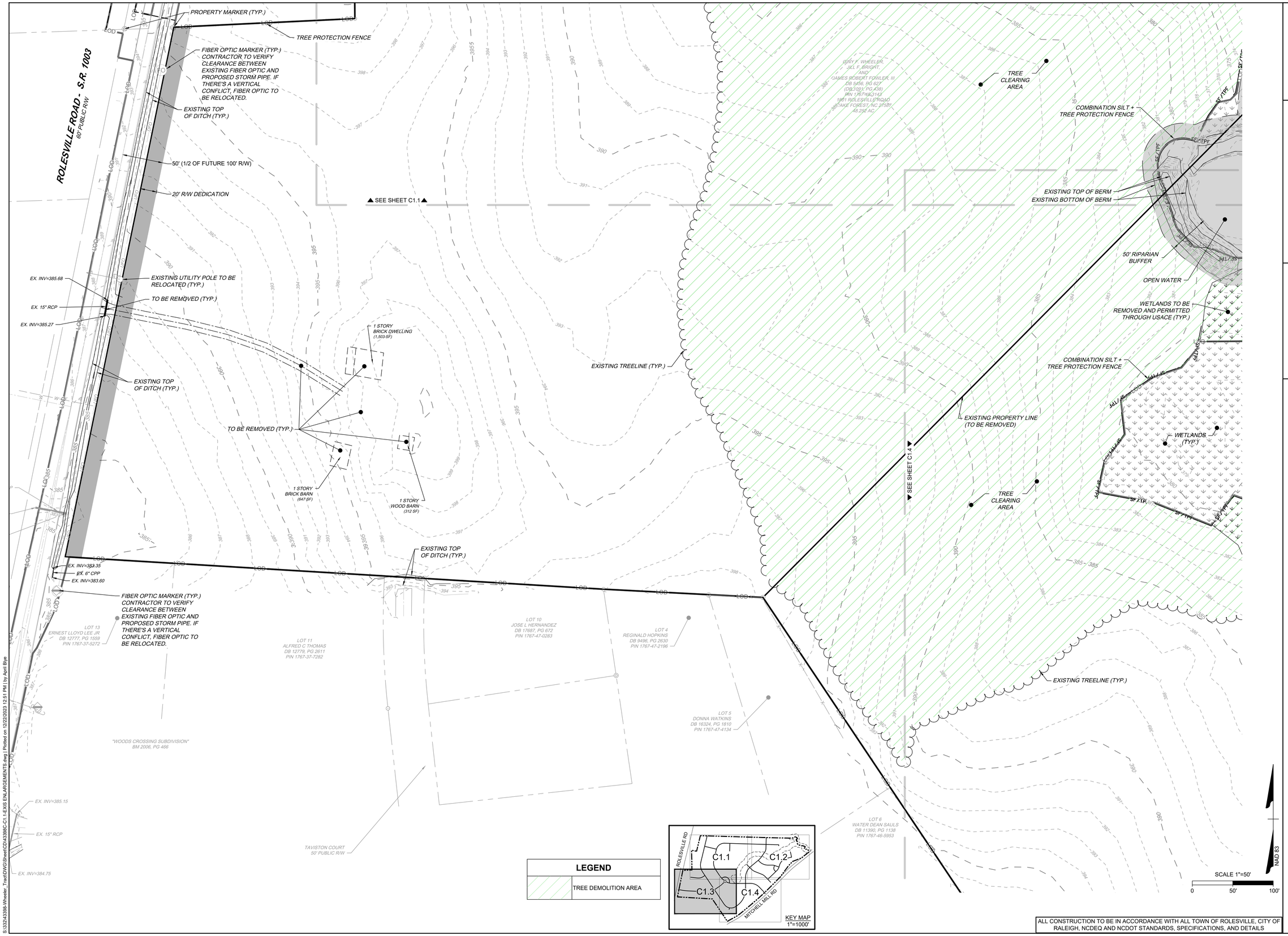

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ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

EXISTING CONDITIONS AND DEMOLITION PLAN

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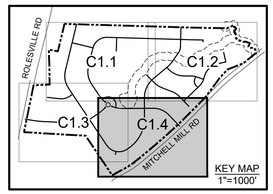
EXISTING TOP OF BERM
EXISTING BOTTOM OF BERM
50' RIPARIAN BUFFER
OPEN WATER
WETLANDS TO BE REMOVED AND PERMITTED THROUGH USACE (TYP.)
COMBINATION SILT + TREE PROTECTION FENCE
EXISTING PROPERTY LINE (TO BE REMOVED)
WETLANDS (TYP.)
TREE CLEARING AREA
WETLANDS TO BE REMOVED AND PERMITTED THROUGH USACE (TYP.)
EXISTING TREELINE (TYP.)
SEE SHEET C1.1
SEE SHEET C1.2
SEE SHEET C1.3
TREE CLEARING AREA
EXISTING TREELINE (TYP.)
ROCK FOUNDATION (DILAPIDATED)
TO BE REMOVED (TYP.)
1.5 STORY BRICK BARN (570 SF)
1 STORY BRICK DWELLING (1,430 SF)
TO BE REMOVED (TYP.)
EXISTING WELL TO BE ABANDONED PER WAKE COUNTY AND STATE REGULATIONS
EXISTING UTILITY POLE TO BE REMOVED (TYP.)
EXISTING STRUCTURE TO BE REMOVED (TYP.)
EXISTING UTILITY POLE TO BE RELOCATED
EXISTING UTILITY POLE TO BE RELOCATED
MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R/W
ELAINE T WATKINS
DB 16-E, PG 1796
PIN 1767-66-2603
WILLIAM WAYNE WATKINS
DB 7704, PG 519
PIN 1767-57-6274
ELAINE T WATKINS
DB 16-E, PG 1796
PIN 1767-66-2603
EXISTING TOP OF DITCH (TYP.)
EXISTING DITCH CENTERLINE (TYP.)
EX. INV=389.78
EX. 18" RCP
EX. INV=390.03
EXISTING UTILITY POLE TO BE RELOCATED
55' (1/2 OF FUTURE 110' R/W)
PROPOSED R/W
EX. INV=391.16
TREE CLEARING AREA
EXISTING UTILITY POLE TO BE RELOCATED
EX. INV=392.04
EX. 15" RCP
JAMES GARY PITTMAN
DB 12631, PG 366
PIN 1767-56-6385
JOHN P HAKES
DB 11860, PG 2401
PIN 1767-56-2300
JAMES GARY PITTMAN
DB 12631, PG 366
PIN 1767-56-3854
MARTY W WEATHERS
DB 15-E, PG 2513
PIN 1767-56-0612



LEGEND

	TREE DEMOLITION AREA

SCALE 1"=50'
0 50' 100'
NAD 83

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER P. BARBEAU 27970
01/02/2024

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DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

EXISTING CONDITIONS AND DEMOLITION PLAN

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SHEET NO. C1.4

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NAD83 (2011)
NC GRID

ANNEXED AREA DESCRIPTION:

BEGINNING AT AN IRON PIPE FOUND IN THE NORTHERN 60' R/W LINE OF MITCHELL MILL RD. (SR 2224) AND HAVING NORTH CAROLINA GRID COORDINATES (NAD 83 (2011)) OF:
N: 776,723.00 FEET, E: 2,164,761.89 FEET, AND BEING A COMMON CORNER BETWEEN DANA F. BRIGHT, ET. AL. (DB 9828 PG 902) AND LOT 7 OF MICHELL MEADOW SUBDIVISION (BM 2001 PG 1814); THENCE LEAVING THE NORTHERN 60' R/W LINE OF MITCHELL MILL RD. (SR 2224) NORTH 33°49'30" WEST, 159.25 FEET TO AN IRON PIPE FOUND; THENCE NORTH 33°47'11" WEST, 508.32 FEET TO AN IRON PIPE FOUND, A COMMON CORNER BETWEEN DANA F. BRIGHT, ET. AL. (DB 9828 PG 902), GINA F. WHEELER, ET. AL. (DB 5456 PG 627) AND LOT 5 OF MICHELL MEADOW SUBDIVISION (BM 2001 PG 1814); THENCE NORTH 87°02'25" WEST, 197.32 FEET TO AN IRON REBAR FOUND; THENCE NORTH 86°32'54" WEST, 696.42 FEET TO A POINT IN THE CENTER; THENCE NORTH 11°34'57" EAST, 664.53 FEET TO A POINT; THENCE NORTH 87°15'14" EAST, 254.95 FEET TO AN IRON REBAR FOUND; THENCE NORTH 00°24'42" WEST, 189.05 FEET TO AN IRON PIPE FOUND; THENCE NORTH 01°39'01" WEST, 298.96 FEET TO AN IRON PIPE FOUND; THENCE SOUTH 79°00'56" EAST, 127.90 FEET TO A POINT; THENCE NORTH 13°35'03" EAST, 395.38 FEET TO AN IRON REBAR FOUND; THENCE SOUTH 88°19'57" EAST, 1,796.45 FEET TO AN IRON REBAR FOUND; THENCE SOUTH 88°55'44" EAST, 475.00 FEET TO A POINT; THENCE THE FOLLOWING COURSES DOWN THE CENTER LINE OF BUFFALO CREEK:

THENCE NORTH 65°44'16" EAST, 102.70 FEET TO A POINT; THENCE SOUTH 18°00'04" WEST, 14.47 FEET TO A POINT; THENCE SOUTH 42°30'53" EAST, 45.95 FEET TO A POINT; THENCE SOUTH 6°51'48" WEST, 20.88 FEET TO A POINT; THENCE SOUTH 76°45'14" WEST, 26.61 FEET TO A POINT; THENCE SOUTH 19°06'03" EAST, 75.60 FEET TO A POINT; THENCE SOUTH 21°12'02" EAST, 67.30 FEET TO A POINT; THENCE SOUTH 78°17'04" EAST, 53.71 FEET TO A POINT; THENCE SOUTH 80°26'04" EAST, 61.46 FEET TO A POINT; THENCE SOUTH 70°47'08" EAST, 63.51 FEET TO A POINT; THENCE SOUTH 20°21'33" WEST, 55.83 FEET TO A POINT; THENCE SOUTH 54°55'18" EAST, 18.68 FEET TO A POINT; THENCE SOUTH 88°00'51" EAST, 67.89 FEET TO A POINT; THENCE SOUTH 25°51'48" EAST, 28.94 FEET TO A POINT; THENCE SOUTH 15°51'51" EAST, 50.19 FEET TO A POINT; THENCE SOUTH 15°51'51" EAST, 32.81 FEET TO A POINT; THENCE THE FOLLOWING COURSES DOWN THE CENTER LINE OF MITCHELL MILL ROAD (S.R. 2224) A 60 FOOT PUBLIC RIGHT-OF-WAY:

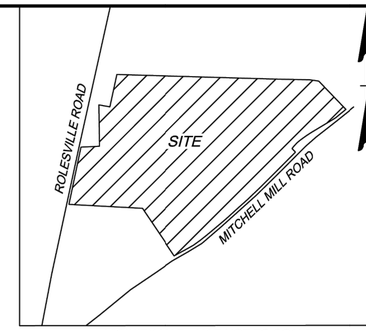
THENCE WITH A CURVE TO THE RIGHT, SAID CURVE HAS A RADIUS OF 10,151.02 FEET, WITH CHORD BEARING OF SOUTH 51°28'46" WEST, 67.90 FEET TO A POINT; THENCE WITH A CURVE TO THE RIGHT, SAID CURVE HAS A RADIUS OF 20,962.58 FEET, WITH CHORD BEARING OF SOUTH 50°55'27" WEST, 151.51 FEET TO A POINT; THENCE WITH A CURVE TO THE RIGHT, SAID CURVE HAS A RADIUS OF 9,512.05 FEET, WITH CHORD BEARING OF SOUTH 50°31'07" WEST, 393.46 FEET TO A POINT; THENCE WITH A CURVE TO THE RIGHT, SAID CURVE HAS A RADIUS OF 8,816.09 FEET, WITH CHORD BEARING OF SOUTH 45°11'08" WEST, 301.64 FEET TO A POINT; THENCE WITH A CURVE TO THE RIGHT SAID CURVE HAS A RADIUS OF 2,299,367.30 FEET, WITH CHORD BEARING OF SOUTH 44°29'43" WEST, 228.79 FEET TO A POINT; THENCE WITH A CURVE TO THE LEFT, SAID CURVE HAS A RADIUS OF 18,151.18 FEET, WITH CHORD BEARING OF SOUTH 45°19'30" WEST, 279.12 FEET TO A POINT; THENCE WITH A CURVE TO THE LEFT, SAID CURVE HAS A RADIUS OF 7,283.93 FEET, WITH CHORD BEARING OF SOUTH 47°55'59" WEST, 411.59 FEET TO A POINT; THENCE WITH A CURVE TO THE LEFT, SAID CURVE HAS A RADIUS OF 14,402.54 FEET, WITH CHORD BEARING OF SOUTH 49°50'49" WEST, 332.72 FEET TO A POINT; THENCE WITH A CURVE TO THE LEFT, SAID CURVE HAS A RADIUS OF 2,123.53 FEET, WITH CHORD BEARING OF SOUTH 52°13'18" WEST, 165.22 FEET TO A POINT; THENCE WITH A CURVE TO THE LEFT, SAID CURVE HAS A RADIUS OF 1,515.57 FEET, WITH CHORD BEARING OF SOUTH 59°21'35" WEST, 147.34 FEET TO A POINT; THENCE WITH A CURVE TO THE RIGHT, SAID CURVE HAS A RADIUS OF 3,285.30 FEET, WITH CHORD BEARING OF SOUTH 61°15'45" WEST, 117.29 FEET TO A POINT; THENCE WITH A CURVE TO THE RIGHT, SAID CURVE HAS A RADIUS OF 2,666.61 FEET, WITH CHORD BEARING OF SOUTH 59°23'07" WEST, 37.74 FEET TO A POINT; THENCE NORTH 33°49'30" WEST, 30.36 FEET TO THE POINT OF BEGINNING.

CONTAINING 95.362 ACRES, MORE OR LESS.

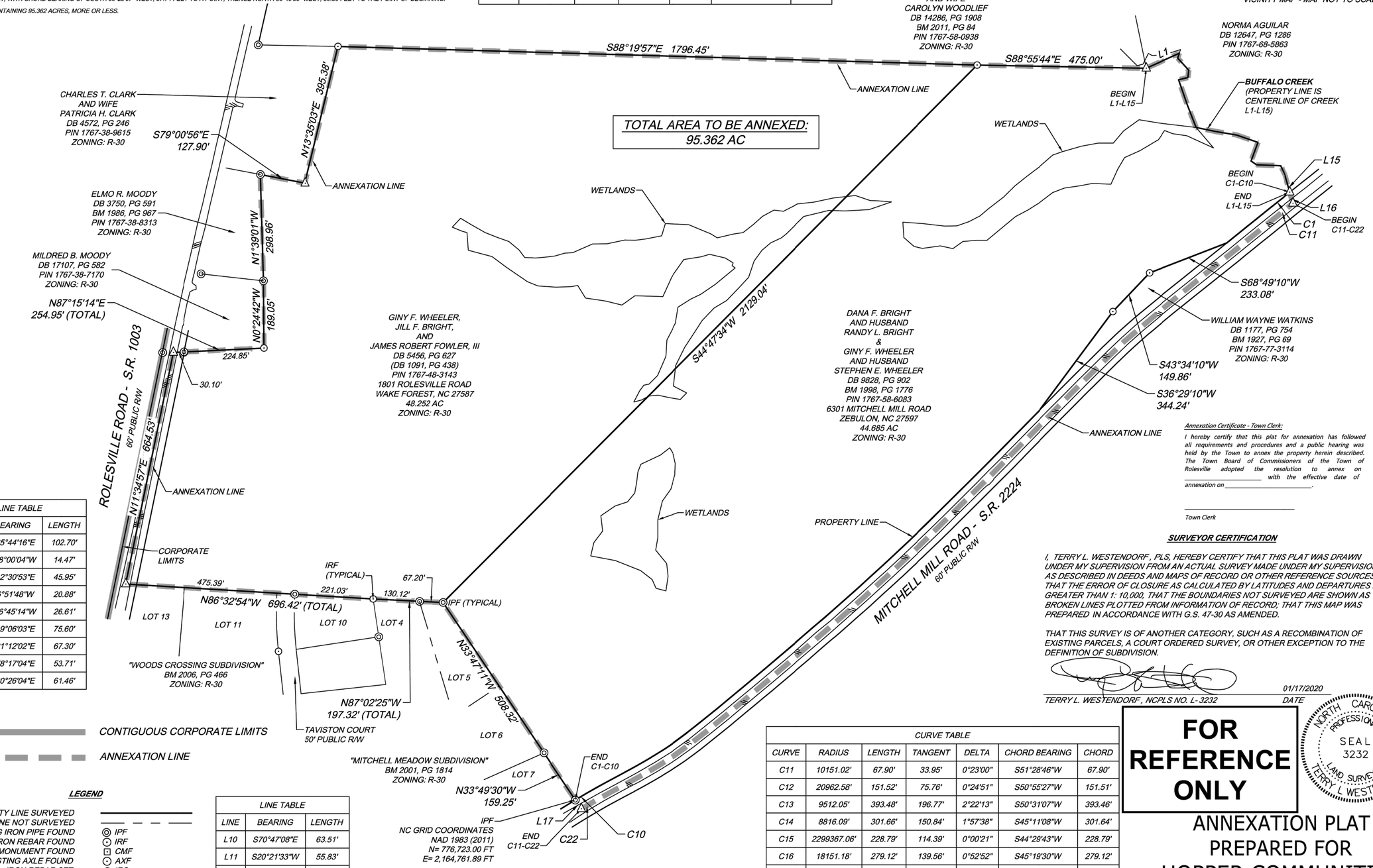
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	DELTA	CHORD BEARING	CHORD
C1	10181.34'	80.68'	40.34'	0°27'15"	S51°30'53"W	80.68'
C2	20992.91'	146.94'	73.47'	0°24'04"	S50°55'51"W	146.94'
C3	2299397.52'	226.56'	113.28'	0°00'20"	S44°29'43"W	226.56'
C4	18120.85'	278.40'	139.20'	0°52'49"	S45°19'30"W	278.40'
C5	7253.61'	409.88'	204.99'	3°14'15"	S47°56'03"W	409.82'
C6	14372.21'	332.26'	166.14'	1°19'28"	S49°50'50"W	332.25'
C7	2093.21'	162.48'	81.28'	4°26'51"	S52°12'44"W	162.44'
C8	1485.25'	143.85'	71.98'	5°32'58"	S59°22'11"W	143.80'
C9	3315.62'	118.47'	59.24'	2°02'50"	S61°15'40"W	118.46'
C10	2696.93'	39.78'	19.89'	0°50'42"	S59°22'14"W	39.78'

SURVEY NOTES:

1. *PER THE FEMA FLOODPLAIN MAPS, THE PROPERTY IS LOCATED IN AN AREA DESIGNATED AS ZONE X, PER FIRM MAP NO. 3720176600J PANEL 1766, EFFECTIVE DATE MAY 2, 2006.*
2. *HORIZONTAL CONTROL IS BASED ON NC STATE GRID, NAD83 (2011) AS DETERMINED BY GPS. ALL DISTANCES SHOWN ARE GROUND DISTANCES.*
3. *NOT ALL IMPROVEMENTS LOCATED ON THE PROPERTY HAVE BEEN SHOWN.*
4. *AREA COMPUTATION IS BY THE COORDINATE METHOD.*
5. *THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF A TITLE SEARCH.*
6. *RIGHT-OF-WAY AND PROPERTY BOUNDARY INFORMATION IS BASED ON REFERENCES AS SHOWN HEREON.*



VICINITY MAP - MAP NOT TO SCALE



LINE TABLE		
LINE	BEARING	LENGTH
L1	N65°44'16"E	102.70'
L2	S18°00'04"W	14.47'
L3	S42°30'53"E	45.95'
L4	S6°51'48"W	20.88'
L5	S76°45'14"W	26.61'
L6	S19°06'03"E	75.60'
L7	S21°12'02"E	67.30'
L8	S78°17'04"E	53.71'
L9	S80°26'04"E	61.46'

CONTIGUOUS CORPORATE LIMITS

ANNEXATION LINE

LEGEND

PROPERTY LINE SURVEYED	
LINE NOT SURVEYED	
EXISTING IRON PIPE FOUND	IPF
EXISTING IRON REBAR FOUND	IRF
EXISTING CONC MONUMENT FOUND	CMF
EXISTING AXLE FOUND	AXF
IRON REBAR SET	IRS
COMPUTED POINT	CP
PROPERTY ADDRESS	XXXX

SCALE 1" = 200'

0' 200' 400'

LINE TABLE		
LINE	BEARING	LENGTH
L10	S70°47'08"E	63.51'
L11	S20°21'33"W	55.83'
L12	S54°55'18"E	18.68'
L13	S88°00'51"E	67.89'
L14	S25°51'48"E	28.94'
L15	S15°51'51"E	50.19'
L16	S15°51'51"E	32.81'
L17	N33°49'30"W	30.36'

Review Officer Certification:

I, _____, Review Officer of the Town of Rolesville, Wake County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer *Date*

Annexation Exempt Certification:

I hereby certify that this annexation plat is approved for recording, and is exempt from the Rolesville Unified Development Ordinance.

Subdivision Administrator *Date*

CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	DELTA	CHORD BEARING	CHORD
C11	10151.02'	67.90'	33.95'	0°23'00"	S51°28'46"W	67.90'
C12	20962.58'	151.52'	75.76'	0°24'51"	S50°55'27"W	151.51'
C13	9512.05'	393.48'	196.77'	2°22'13"	S50°31'07"W	393.46'
C14	8816.09'	301.66'	150.84'	1°57'38"	S45°11'08"W	301.64'
C15	2299367.06'	228.79'	114.39'	0°00'21"	S44°29'43"W	228.79'
C16	18151.18'	279.12'	139.56'	0°52'52"	S45°19'30"W	279.12'
C17	7283.93'	411.64'	205.88'	3°14'17"	S47°55'59"W	411.59'
C18	14402.54'	332.73'	166.37'	1°19'25"	S49°50'49"W	332.72'
C19	2123.53'	165.27'	82.67'	4°27'33"	S52°13'18"W	165.22'
C20	1515.57'	147.40'	73.76'	5°34'21"	S59°21'35"W	147.34'
C21	3285.30'	117.30'	58.66'	2°02'45"	S61°15'45"W	117.29'
C22	2666.61'	37.74'	18.87'	0°48'40"	S59°23'07"W	37.74'

Annexation Certificate - Town Clerk:

I hereby certify that this plat for annexation has followed all requirements and procedures and a public hearing was held by the Town to annex the property herein described. The Town Board of Commissioners of the Town of Rolesville adopted the resolution to annex on _____ with the effective date of annexation on _____.

_____
Town Clerk

SURVEYOR CERTIFICATION

I, TERRY L. WESTENDORF, PLS, HEREBY CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION, AS DESCRIBED IN DEEDS AND MAPS OF RECORD OR OTHER REFERENCE SOURCES; THAT THE ERROR OF CLOSURE AS CALCULATED BY LATITUDES AND DEPARTURES IS GREATER THAN 1: 10,000, THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION OF RECORD; THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.

THAT THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS A RECOMBINATION OF EXISTING PARCELS, A COURT ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.

TERRY L. WESTENDORF, NCPLS NO. L- 3232 *DATE* 01/17/2020

NORTH CAROLINA PROFESSIONAL SEAL 3232 LAND SURVEYOR TERRY L. WESTENDORF

FOR REFERENCE ONLY

ANNEXATION PLAT PREPARED FOR HOPPER COMMUNITIES

WAKE FOREST TWP	WAKE COUNTY, NC
DATE: *JANUARY 17, 2020*	SCALE: *1"= 200'*
SHEET *1* OF *1*	J.N.: *43398*
DRAWN BY: *MM*	CHECK BY: *TLW*
FIELD EDIT BY:	
MAP CHECKED BY: MM, JANUARY 15, 2020	
REVISED:	

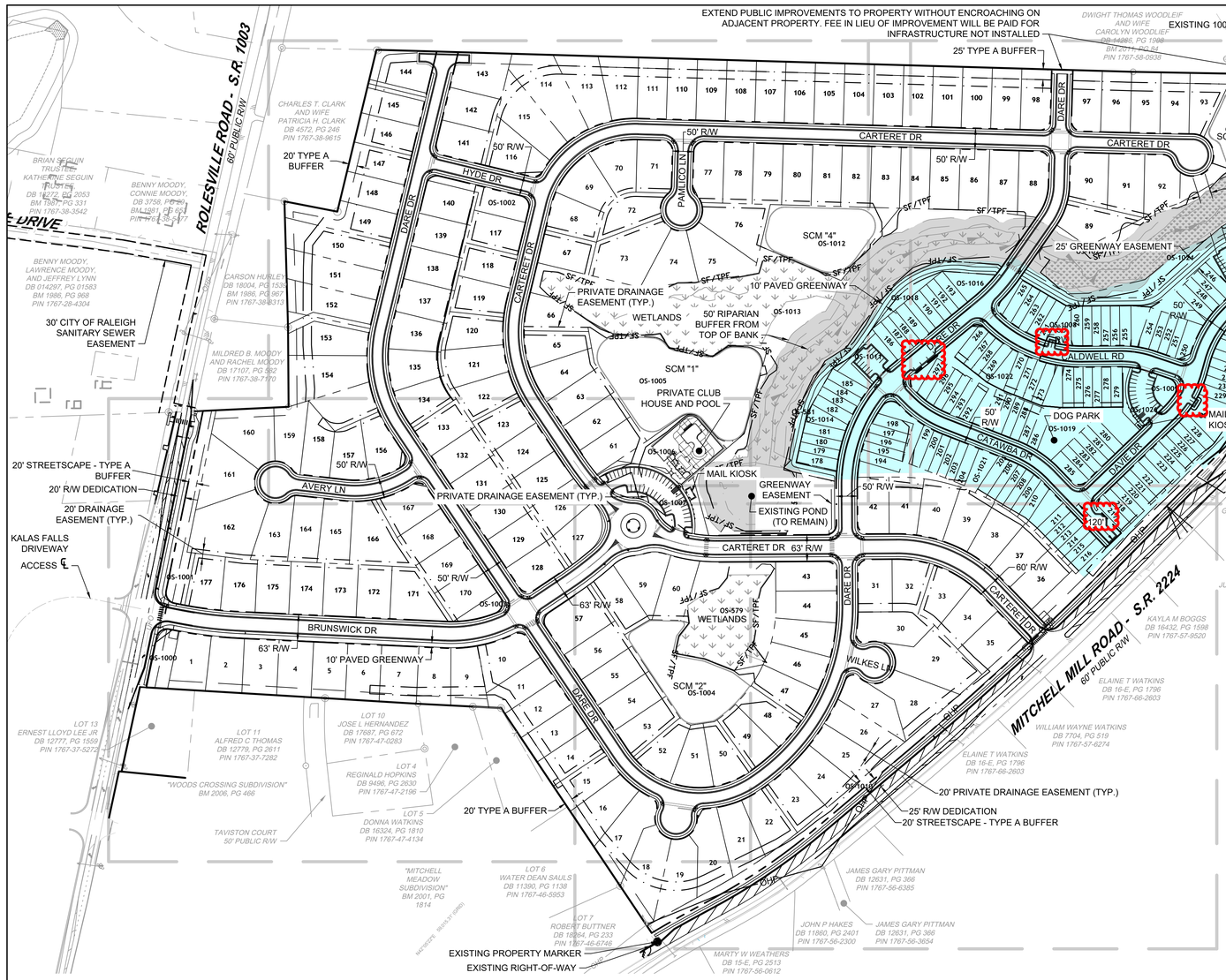
THIS DRAWING PREPARED AT THE **RALEIGH OFFICE**
5410 TRINITY ROAD, Suite 102 | RALEIGH, NC 27607
TEL 919.866.4951 FAX 919.859.5663 www.timmons.com
NORTH CAROLINA LICENSE NUMBER C-1652

YOUR VISION ACHIEVED THROUGH OURS.

Site Development | Residential | Infrastructure | Technology

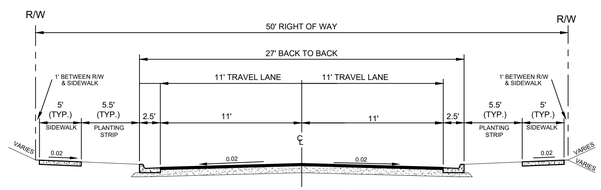
TIMMONS GROUP

C:\Users\terry.westendorf\Desktop\43398-902V-Annexation Plat.dwg | Plotted on 1/21/2021 12:57 PM | by Terry Westendorf

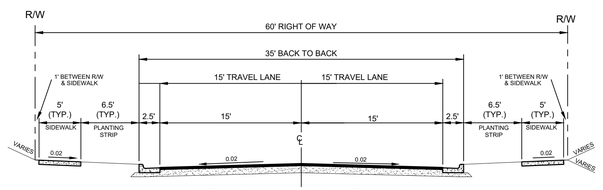


SITE LAYOUT NOTES

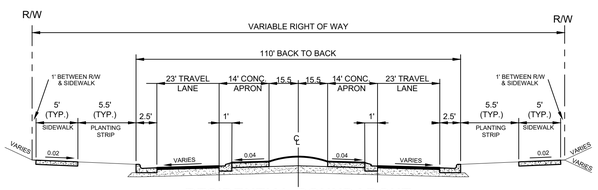
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ROLESVILLE AND NCDOT STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVING, BUILDING WALL FACE OR PROPERTY LINE UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, UTILITIES AND GRADES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY EXISTING DISCREPANCIES PRIOR TO COMMENCING ANY RELATED CONSTRUCTION.
4. AT LEAST 72 HOURS PRIOR TO CONSTRUCTION OR EXCAVATION THE CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) TO HAVE EXISTING UTILITIES LOCATED.
5. PARKING SPACES ARE 9' WIDE X 18' LONG MINIMUM EXCEPT HANDICAP SPACES WHICH ARE 8.0' WIDE MINIMUM WITH 8.0' VAN ACCESS AND 5.0' STANDARD ACCESS AISLES.
6. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF THE BUILDING(S).
7. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DIMENSIONAL CONFLICTS PRIOR TO THE BEGINNING OF CONSTRUCTION.
8. ALL CURB AND GUTTER IN THE PUBLIC RIGHT OF WAY SHALL BE 30" WIDE.
9. ALL DISTURBED CURB & GUTTER AND ASPHALT SHALL BE REPLACED PER TOWN OF ROLESVILLE OR NCDOT STANDARDS AND SPECIFICATIONS.
10. ALL DRIVEWAY DESIGN AND CONSTRUCTION MUST COMPLY WITH TOWN OF ROLESVILLE. DRIVEWAYS SHALL BE PERMITTED SEPARATELY.
11. NO SIGHT OBSTRUCTING OR PARTIALLY OBSTRUCTING WALL, FENCE, FOLIAGE, BERMING, PARKED VEHICLES OR SIGN BETWEEN THE HEIGHTS OF TWENTY-FOUR (24) INCHES AND EIGHT (8) FEET ABOVE THE CURB LINE ELEVATION, OR THE NEAREST TRAVELED WAY IF NO CURBING EXISTS, SHALL BE PLACED WITHIN A SIGHT TRIANGLE OF A PUBLIC STREET, PRIVATE STREET OR DRIVEWAY CONTAINED EITHER ON THE PROPERTY OR ON AN ADJOINING PROPERTY.
12. PRIVATE CLUB HOUSE AND POOL AREA REQUIRES SEPARATE SITE PLAN APPROVAL PROCESS THROUGH TOWN OF ROLESVILLE.
13. SUBDIVISION STREET NAMES PENDING WAKE COUNTY APPROVAL.
14. REFER TO SHEET C0.0 FOR SETBACK TABLE FOR SINGLE FAMILY AND TOWNHOMES.



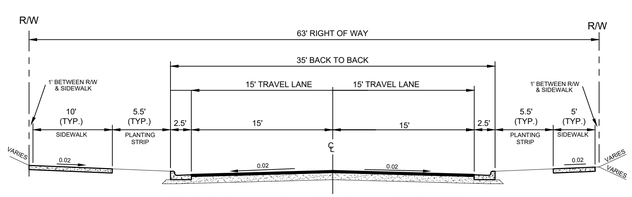
LOCAL RESIDENTIAL STREET
(50' PUBLIC R/W)



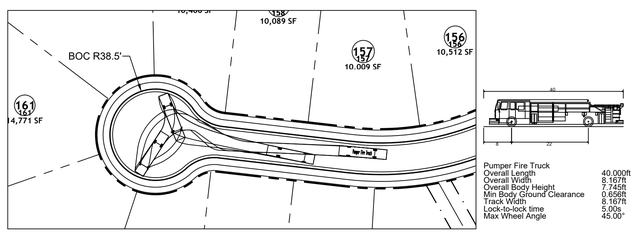
RESIDENTIAL COLLECTOR
(60' PUBLIC R/W)



RESIDENTIAL ROUNDABOUT



RESIDENTIAL COLLECTOR WITH GREENWAY
(63' PUBLIC R/W)



Pumper Fire Truck	
Overall Length	40.000ft
Overall Width	8.167ft
Overall Body Height	7.745ft
Min Body Ground Clearance	0.856ft
Track Width	8.167ft
Lock-to-lock time	5.00s
Max Wheel Angle	45.00°

FIRE APPARATUS ACCESS INSET
SCALE: 1" = 60'

NAD 83

SCALE 1"=150'
0 150' 300'

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027370 P. BARBEAU
01/02/2024

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5410 Trinity Road, Suite 102 | Raleigh, NC 27607
TEL 919.866.4951 FAX 919.833.8124 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER WAKE COUNTY COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

OVERALL SITE PLAN

JOB NO. 43398
SHEET NO. C2.0

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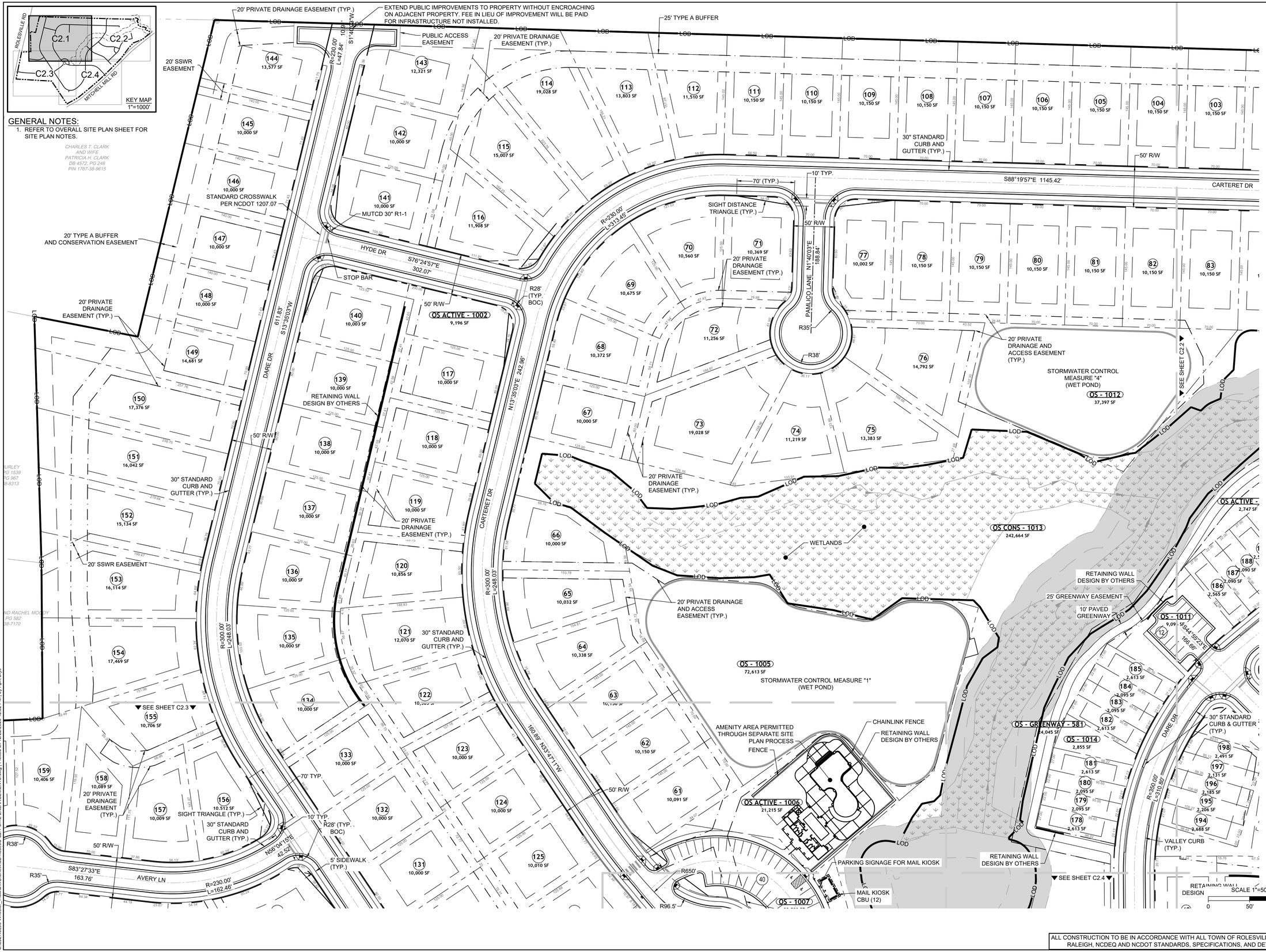
S:\32243386-Wheeler_Tract\DWG\Sheet\CD\43386C-C2.0-SITE.dwg | Plotted on 1/2/2024 4:52 PM | by April Blyre



GENERAL NOTES:

1. REFER TO OVERALL SITE PLAN SHEET FOR SITE PLAN NOTES.

CHARLES T. CLARK AND WIFE PATRICIA H. CLARK DB 4572, PG 246 PIN 1767-38-9615

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

S:\332\43398-Wheeler_Tract\DWG\Sheet\CD\43398C-C2.1-SITE ENLARGEMENTS.dwg | Plotted on 12/22/2023 12:52 PM | by April Blye

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 RICK BARBEAU

01/02/2024

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DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER NCDOT COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021

DRAWN BY R. WINGATE

DESIGNED BY P. BARBEAU

CHECKED BY P. BARBEAU

SCALE AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

SITE PLAN

JOB NO. 43398

SHEET NO. C2.1

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EXTEND PUBLIC IMPROVEMENTS TO PROPERTY WITHOUT ENCROACHING ON ADJACENT PROPERTY. FEE IN LIEU OF IMPROVEMENT WILL BE PAID FOR INFRASTRUCTURE NOT INSTALLED

20' PRIVATE DRAINAGE EASEMENT (TYP.)

25' TYPE A BUFFER

PROPOSED 40' CITY OF RALEIGH SANITARY SEWER EASEMENT

100-YEAR FLOODPLAIN

KEY MAP 1"=1000'

ROLESVILLE RD

MITCHELL MILL RD

C2.1 C2.2 C2.3 C2.4

GENERAL NOTES:

1. REFER TO OVERALL SITE PLAN SHEET FOR SITE PLAN NOTES.

DARE DR N1°39'27"E 274.38'

STOP BAR

MUTCD 30" R1-1

30" STANDARD CURB & GUTTER (TYP.)

SIGHT TRIANGLE (TYP.)

70'

10'

CARTERET DR

S88°19'57"E 1145.42'

5' SIDEWALK (TYP.)

STANDARD CROSSWALK PER NCDOT 1207.07

CARTERET DR S88°55'44"E 119.55'

R35'

R38'

25.00' S1°04'16"W

OS - 1027
28,716 SF
STORMWATER CONTROL MEASURE "5" (DRY POND)

OS ACTIVE - 1033
7,189 SF

OS ACTIVE - 1034
20,836 SF

10' PAVED GREENWAY

25' GREENWAY EASEMENT

BOARDWALK CROSSING

OS CONS - 1032
44,313 SF

BUFFALO CREEK
(PROPERTY LINE IS CENTERLINE OF CREEK)

NORMA AGUILAR
DB 12647, PG 1286
PIN 1767-68-5863

PROPOSED 40' CITY OF RALEIGH SANITARY SEWER EASEMENT

50' R/W

R=150.00'
L=86.85'

20' PRIVATE DRAINAGE EASEMENT (TYP.)

PROPOSED 30' CITY OF RALEIGH SANITARY SEWER EASEMENT

WETLANDS

STORMWATER CONTROL MEASURE "3" (DRY POND)

OS - 1036
30,616 SF

OS ACTIVE - 1037
3,871 SF

PUBLIC PUMP STATION

CHAINLINK FENCE

PROPOSED STAIRS (8 STEPS)

OS - GREENWAY - 1028
36,675 SF

OS - 298
10,310 SF

10' PAVED GREENWAY

RETAINING WALL DESIGN BY OTHERS

OS CONS - 1025
30,158 SF

OS ACTIVE - 1024
14,488 SF

OS ACTIVE - 1035
19,364 SF

20' PRIVATE DRAINAGE EASEMENT AND ACCESS EASEMENT (TYP.)

N12°27'59"W 136.26'

OS - 1029
26,618 SF

S20°28'45"E 125.93'

25' GREENWAY EASEMENT

DAVIE DR N77°32'01"E 115.39'

R35'

R38'

30" STANDARD CURB & GUTTER (TYP.)

VALLEY CURB (TYP.)

PROPOSED FEE-IN-LIEU OF FUTURE ROAD IMPROVEMENTS (227 LF)

20' STREETSCAPE - TYPE A BUFFER

PROPOSED NEW 25' CITY OF RALEIGH SANITARY SEWER EASEMENT

OS ACTIVE - 1016
4,545 SF

VALLEY CURB (TYP.)

R=400.00'
L=109.26'

S39°31'00"E 13.42'

R28' (TYP. BOC)

OS ACTIVE - 1018
2,747 SF

OS - 1017
1,900 SF

N50°28'51"E 245.87'

RETAINING WALL DESIGN BY OTHERS

VALLEY CURB (TYP.)

OS ACTIVE - 1008
3,053 SF

R=300.00'
L=267.56'

DARE DR

50' R/W

CALDWELL DR N89°26'19"E 89.73'

R=230.00'
L=77.45'

S71°16'01"E 108.55'

N15°50'41"E 34.79'

OS ACTIVE - 1030
4,212 SF

RETAINING WALL DESIGN BY OTHERS

FUTURE ROAD IMPROVEMENTS BY OTHERS (750 LF)

20' PRIVATE DRAINAGE EASEMENT (TYP.)

OS - 1031
52,966 SF

WILLIAM WAYNE WATKINS
DB 7177, PG 754
BM 1927, PG 89
PIN 1767-77-3114

OS - 1022
15,853 SF

R28.5' (TYP. FOC)

OS ACTIVE - 1009
2,882 SF

R=75.00'
L=80.91'

S17°32'51"W 48.98'

R=230.00'
L=73.34'

OS - 1026
10,102 SF

OS ACTIVE - 1023
6,836 SF

RETAINING WALL DESIGN BY OTHERS

PARKING FOR MAIL KIOSK

MAIL KIOSK CBU (8)

SIGHT DISTANCE TRIANGLE (TYP.)

OS ACTIVE - 1019
15,038 SF

CATAWBA DR S68°29'00"E 175.28'

R=250.00'
L=102.80'

30" STANDARD CURB & GUTTER (TYP.)

50' R/W

R=250.00'
L=107.14'

OS - 1021
13,940 SF

DAVIE DR N46°04'11"E 302.05'

S43°55'38"E 41.25'

MITCHELL MILL ROAD - S.R. 2224
60' PUBLIC R/W

FUTURE ROAD IMPROVEMENTS BY OTHERS (750 LF)

GRADEN M JOHNSON JR
DB 4284, PG 243
PIN 1767-66-9917

PROPOSED SIDEWALK

RETAINING WALL DESIGN BY OTHERS

SEE SHEET C2.4

SEE SHEET C2.1

NOTES:
1. 30" MOUNTABLE CURB USED ALONG TOWNHOME FRONTAGES (REFER TO DETAIL).
2. REFER TO ROAD WIDENING PLANS FOR MITCHELL MILL ROAD IMPROVEMENTS.

SCALE 1"=50'
0 50' 100'
NAD 83

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 BRIAN P. BARBEAU
01/02/2024

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REVISIONS PER CITY OF RALEIGH COMMENTS	01/02/2024
REVISIONS TO APPROVED PLANS	

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

SITE PLAN

JOB NO. 43398
SHEET NO. C2.2

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RAPID FLASHING PEDESTRIAN BEACON SIGNAL CROSSING. SIGNAL PLANS TO BE REVIEWED AND APPROVED BY NCDOT.

OFFSITE SIDEWALK DESIGN BY OTHERS

ROLESVILLE ROAD - S.R. 1003
60' PUBLIC R/W

20' TYPE A BUFFER AND CONSERVATION EASEMENT

20' STREETSCAPE - TYPE A BUFFER

SIGHT TRIANGLE (TYP.)

REFER TO ROAD WIDENING PLANS FOR ROLESVILLE ROAD IMPROVEMENTS

OS - 1001
16,318 SF

OS - 1000
7,000 SF

MONUMENT SIGN EASEMENT

GREENWAY EASEMENT

20' PRIVATE DRAINAGE EASEMENT (TYP.)

SEE SHEET C2.1

AVERY LN

BRUNSWICK DR

63' R/W

50' R/W

70' TYP.

10' TYP.

30" STANDARD CURB AND GUTTER (TYP.)

30" STANDARD CURB & GUTTER (TYP.)

5' SIDEWALK (TYP.)

10' CONCRETE GREENWAY

GREENWAY CROSSING

OS ACTIVE - 1003
3,262 SF

OS ACTIVE - 1006
21,215 SF

AMENITY AREA PERMITTED THROUGH SEPARATE SITE PLAN PROCESS

FENCE

CHAINLINK FENCE

RETAINING WALL DESIGN BY OTHERS

PARKING SIGNAGE FOR MAIL KIOSK

MAIL KIOSK CBU (12)

OS - 1007
22,523 SF

CARTERET D

30" CURB AND GU

LOT 59 DRIVEWAY TO BE LOCATED OUTSIDE OF ROUNDABOUT

SIGHT DISTANCE TRIANGLE (TYP.)

OS CONS - 579
49,747 SF

WETLANDS

STORMWATER CONTROL MEASURE "2" (DRY POND)

OS - 1004
38,010 SF

20' PRIVATE DRAINAGE AND ACCESS EASEMENT (TYP.)

DARE DR

LOT 13
WEST LLOYD LEE JR
DB 12777, PG 1559
PIN 1767-37-5272

LOT 11
ALFRED C THOMAS
DB 12779, PG 2611
PIN 1767-37-7282

LOT 10
JOSE L HERNANDEZ
DB 17687, PG 672
PIN 1767-47-0283

LOT 4
REGINALD HOPKINS
DB 8496, PG 2630
PIN 1767-47-2196

LOT 5
DONNA WATKINS
DB 16324, PG 1810
PIN 1767-47-4134

LOT 6
WATER DEAN SAULS
DB 11390, PG 1138
PIN 1767-46-5953

"WOODS CROSSING SUBDIVISION"
BM 2006, PG 466

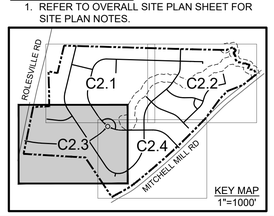
TAVISTON COURT
50' PUBLIC R/W

Approx. Location of Exist. ROW

Approx. Location of Exist. ROW

GENERAL NOTES:

1. REFER TO OVERALL SITE PLAN SHEET FOR SITE PLAN NOTES.



KEY MAP
1"=1000'

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NAD 83

SCALE 1"=50'
0 50' 100'

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 B. P. BARBEAU

01/02/2024

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REVISIONS TO APPROVED PLANS	01/02/2024

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

SITE PLAN

JOB NO.
43398

SHEET NO.
C2.3

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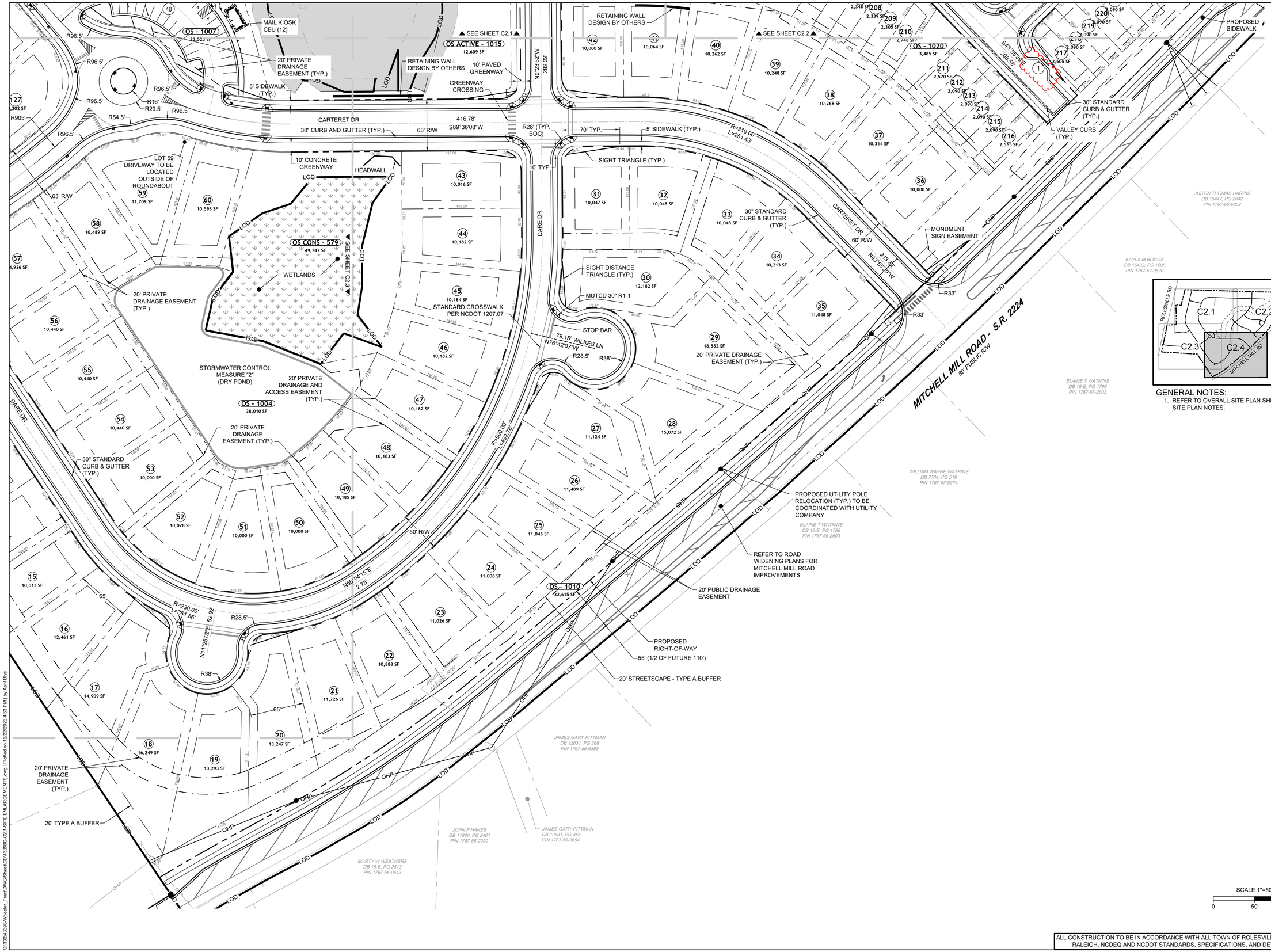

GENERAL NOTES:

1. REFER TO OVERALL SITE PLAN SHEET FOR SITE PLAN NOTES.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27970 P. BARBEAU S. R. P.

01/02/2024

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DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

SITE PLAN

JOB NO. 43398

SHEET NO. C2.4

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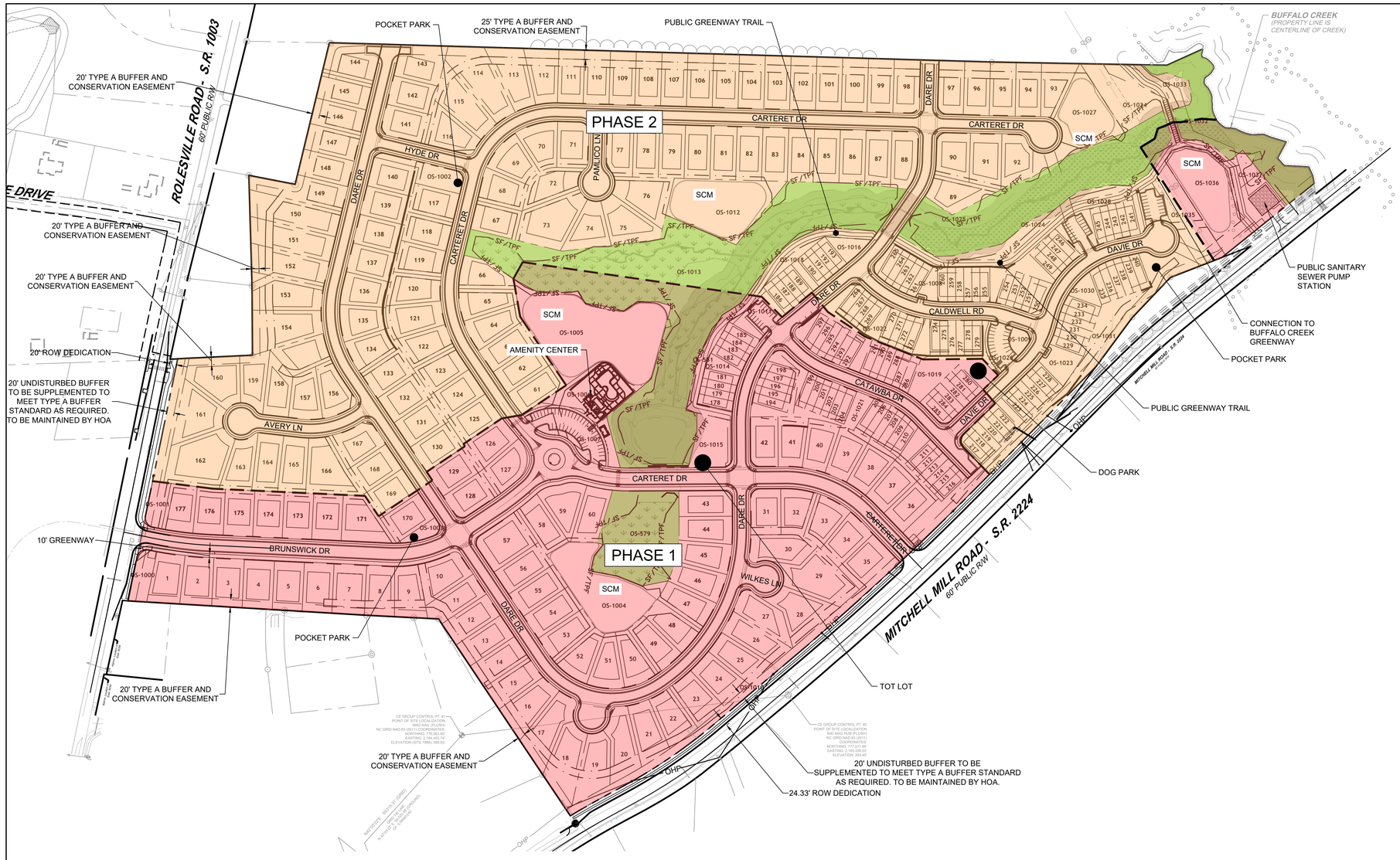
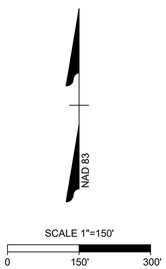


PHASE LEGEND	
HATCH	DESCRIPTION
	PHASE 1
	PHASE 2

LOT DATA TABLE

PHASE	1	2
NUMBER OF LOT(S)	297	
LOT NUMBER(S) BY PHASE	1-60, 126-129, 170-185, 194-216, 280-297	61-125, 130-169, 186-193, 217-279
NUMBER OF SINGLE FAMILY UNITS	72	105
NUMBER OF TOWNHOME UNITS	49	71



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

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DATE: 09/17/2021
DRAWN BY: R. WINGATE
DESIGNED BY: P. BARBEAU
CHECKED BY: P. BARBEAU
SCALE: AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

PHASING PLAN

JOB NO. 43398
SHEET NO. C2.5

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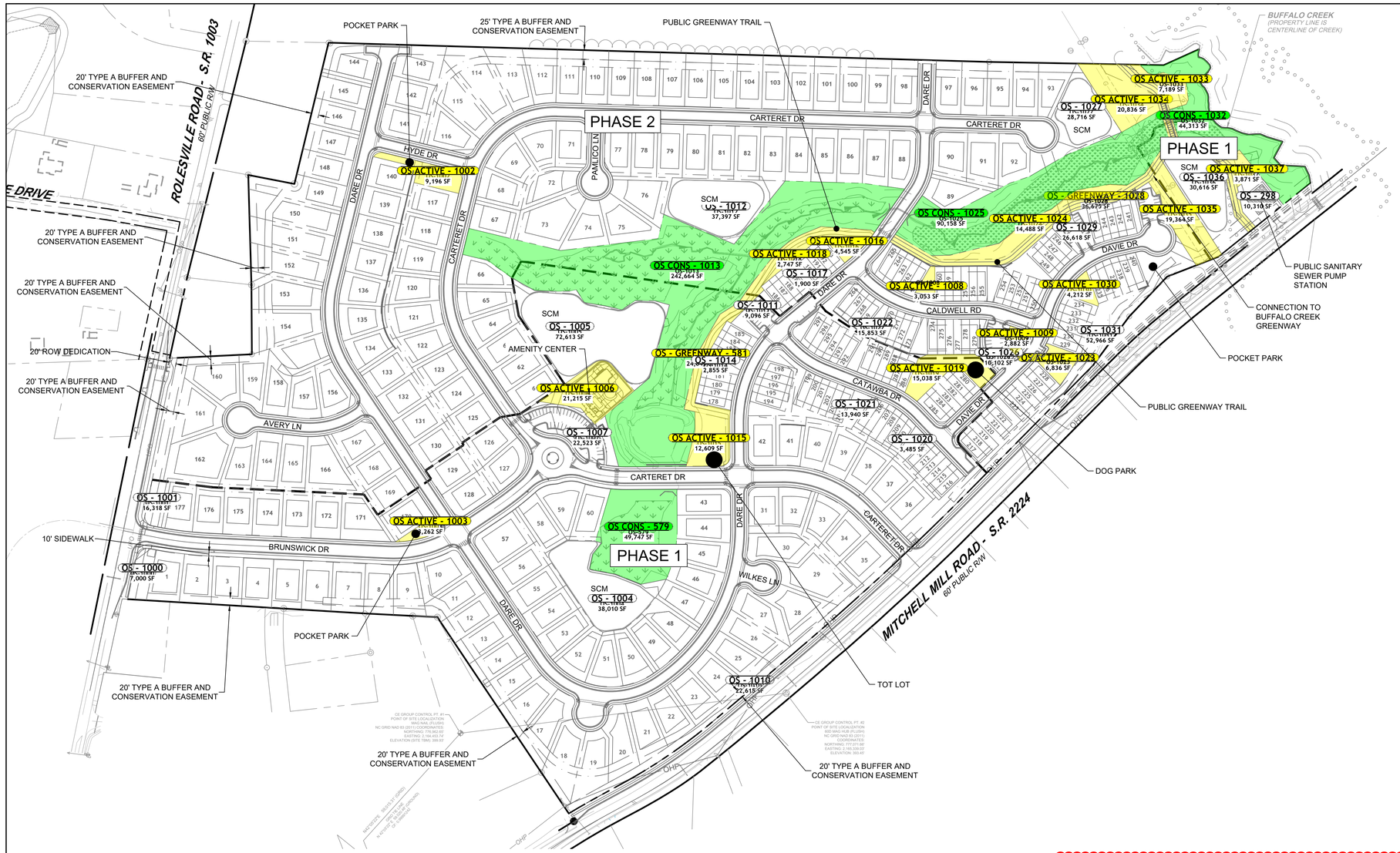

OPEN SPACE PARCEL TABLE	
Lot	Total Area (Acres)
OS - GREENWAY : 581	0.55
OS - GREENWAY : 1028	0.84
OS ACTIVE : 1002	0.21
OS ACTIVE : 1003	0.07
OS ACTIVE : 1006	0.49
OS ACTIVE : 1008	0.07
OS ACTIVE : 1009	0.07
OS ACTIVE : 1015	0.29
OS ACTIVE : 1016	0.10
OS ACTIVE : 1018	0.06
OS ACTIVE : 1019	0.35
OS ACTIVE : 1023	0.16
OS ACTIVE : 1024	0.33
OS ACTIVE : 1030	0.10
OS ACTIVE : 1033	0.17
OS ACTIVE : 1034	0.48
OS ACTIVE : 1035	0.44
OS ACTIVE : 1037	0.09
TOTAL ACTIVE OPEN SPACE	4.87 AC

OPEN SPACE PARCEL TABLE	
Lot	Total Area (Acres)
OS CONS : 579	1.14
OS CONS : 1013	5.57
OS CONS : 1025	2.07
OS CONS : 1032	1.02
TOTAL CONSERVATION OPEN SPACE	9.82 AC

OPEN SPACE PARCEL TABLE	
Lot	Total Area (Acres)
OS : 1000	0.16
OS : 1001	0.37
OS : 1004	0.87
OS : 1005	1.67
OS : 1007	0.52
OS : 1010	0.52
OS : 1011	0.21
OS : 1012	0.86
OS : 1014	0.07
OS : 1017	0.04
OS : 1020	0.08
OS : 1021	0.32
OS : 1022	0.36
OS : 1026	0.23
OS : 1027	0.66
OS : 1029	0.61
OS : 1031	1.22
OS : 1036	0.70

OPEN SPACE CALCULATIONS

PHASE	AREA	REQUIRED 10% GROSS AREA	PROVIDED
		TOTAL (ACTIVE)	TOTAL (ACTIVE)
	(AC)	(AC)	(AC)
PHASE 1	40.34	4.03 (2.02)	6.53 (2.08)
PHASE 2	50.67	5.07 (2.53)	8.14 (2.79)
TOTAL	91.01		14.67 (4.87)

OPEN SPACE LEGEND	
HATCH	DESCRIPTION
	ACTIVE OPEN SPACE
	CONS. OPEN SPACE

NOTES:
1. REFER TO DETAIL SHEETS FOR REPRESENTATIVE OPEN SPACE IMPROVEMENTS

NAD 83

SCALE 1"=150'
0 150' 300'

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027970 BARBEAU
01/02/2024

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09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
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DATE
09/17/2021
DRAWN BY
R. WINGATE
DESIGNED BY
P. BARBEAU
CHECKED BY
P. BARBEAU
SCALE
AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

OPEN SPACE PLAN

JOB NO.
43398
SHEET NO.
C2.6

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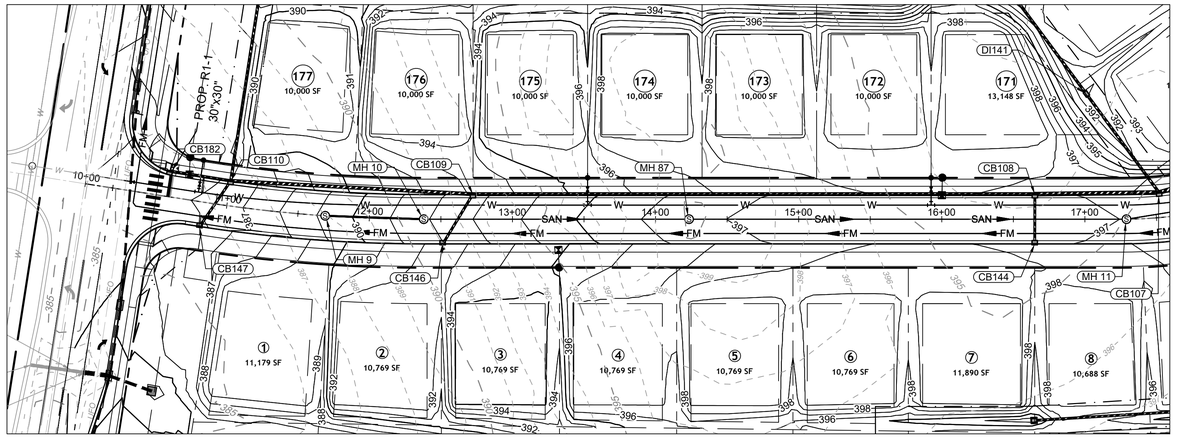
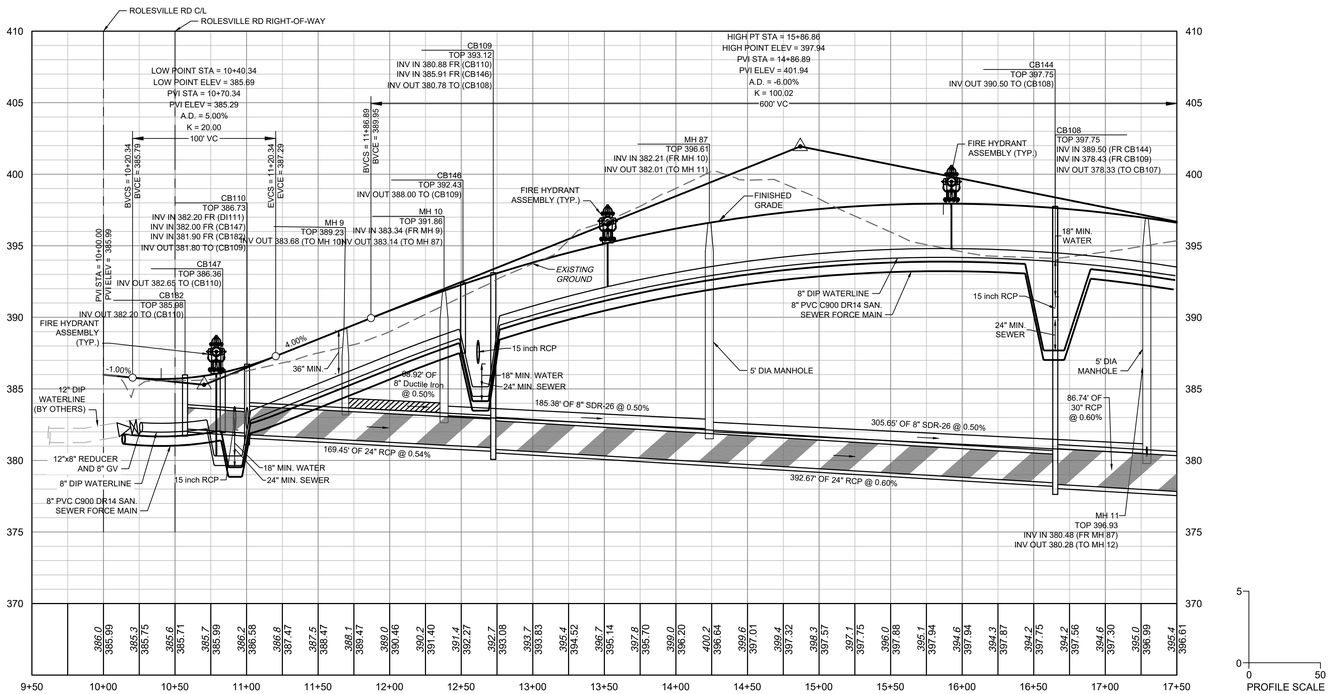


BRUNSWICK DR PLAN VIEW

STA 10+00 - 17+50



BRUNSWICK DR PROFILE

STA 10+00 - 17+50

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:

PVC SDR35	MIN. 3' TO 12' NON-TRAFFIC AREA; MIN. 5' TO 12' TRAFFIC AREA
PVC SDR26	12'-20' TRAFFIC AND NON-TRAFFIC AREAS
DIP	MIN. 3' TO 5' TRAFFIC AREA (CLASS 1 BEDDING); GREATER THAN 20' WITH DIRECTOR APPROVAL

KNOW WHAT'S BELOW.
CALL 811 BEFORE YOU DIG.

SITE PERMITTING APPROVAL

Water and Sewer Permits (if applicable)

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 #** _____

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 #** _____

The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and constructions 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 # _____

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval _____

City of Raleigh Review Officer

ATTENTION CONTRACTORS

*THE **CONSTRUCTION CONTRACTOR** RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR **CONTACTING** THE **PUBLIC WORKS DEPARTMENT** at **(919) 996-2409**, AND THE **PUBLIC UTILITIES DEPARTMENT** AT **(919) 996-4540** AT LEAST **TWENTY FOUR HOURS** PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.*

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

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

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER P. K. BARBEAU 27370 S.E.A.L.
01/02/2024

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04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE *09/17/2021*
DRAWN BY *R. WINGATE*
DESIGNED BY *P. BARBEAU*
CHECKED BY *P. BARBEAU*
SCALE *AS SHOWN*

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

ROAD 1 PLAN & PROFILE

JOB NO. *43398*
SHEET NO. *C2.9*

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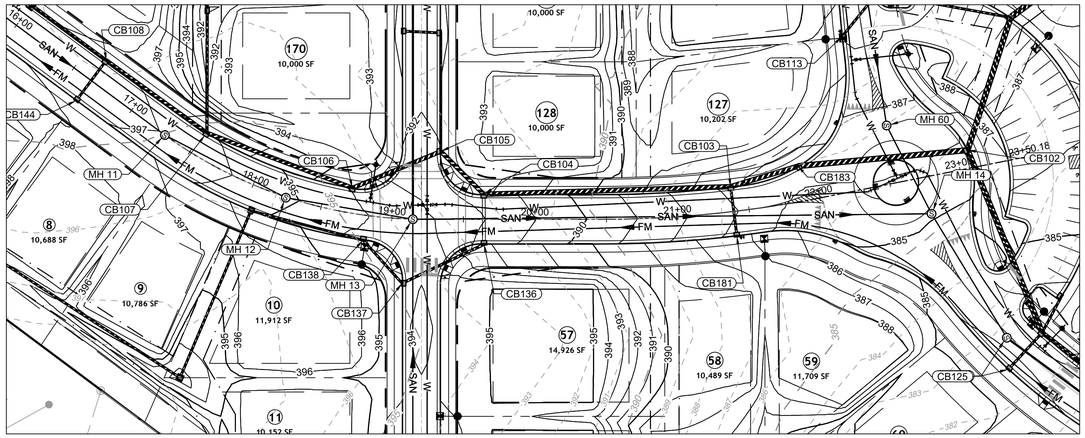
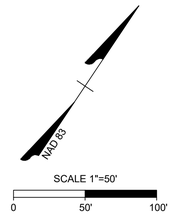
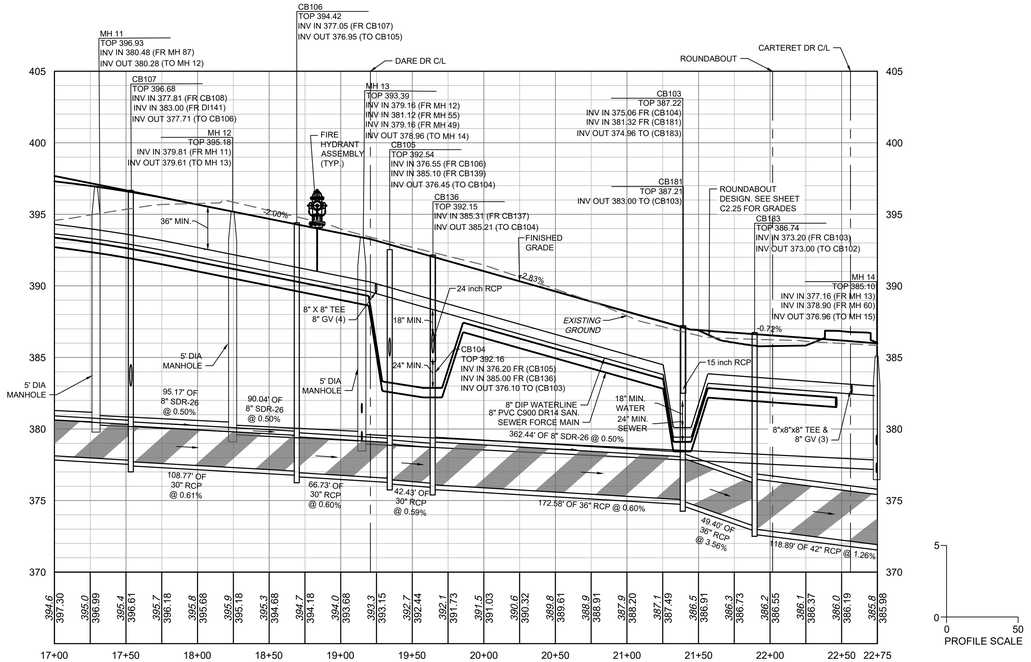


BRUNSWICK DR PLAN VIEW
STA 17+50 - 23+49.78



SCALE 1"=50'

0 50' 100'



BRUNSWICK DR PROFILE
STA 17+50 - 23+49.78

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:	
PVC SDR35	MIN. 3' TO 12' NON-TRAFFIC AREA; MIN. 5' TO 12' TRAFFIC AREA
PVC SDR26	12'-20' TRAFFIC AND NON-TRAFFIC AREAS
DIP	MIN. 3' TO 5' TRAFFIC AREA (CLASS 1 BEDDING); GREATER THAN 20' WITH DIRECTOR APPROVAL

ATTENTION CONTRACTORS

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SITE PERMITTING APPROVAL

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

KNOW WHAT'S BELOW.
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NORTH CAROLINA PROFESSIONAL ENGINEER P. K. BARBEAU 27370
01/02/2024

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DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 1 PLAN & PROFILE

JOB NO.
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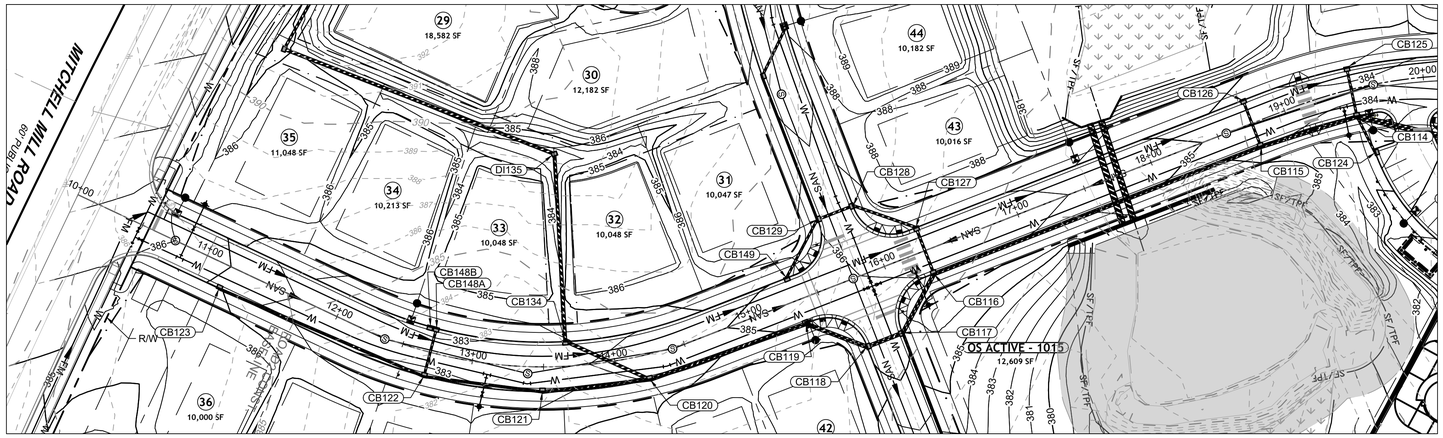
MITCHELL MILL ROAD
60' PUBLIC
29
18,582 SF
30
12,182 SF
35
11,048 SF
34
10,213 SF
33
10,048 SF
32
10,048 SF
31
10,047 SF
44
10,182 SF
43
10,016 SF
36
10,000 SF
42
DI135
CB123
CB122
CB121
CB148B
CB148A
CB134
CB129
CB149
CB120
CB119
CB118
CB116
CB117
CB128
CB127
CB126
CB125
CB124
CB115
CB114
OS ACTIVE - 1015
12,609 SF
R/W
10+00
11+00
12+00
13+00
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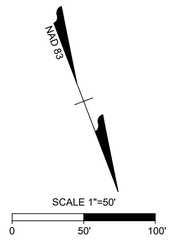
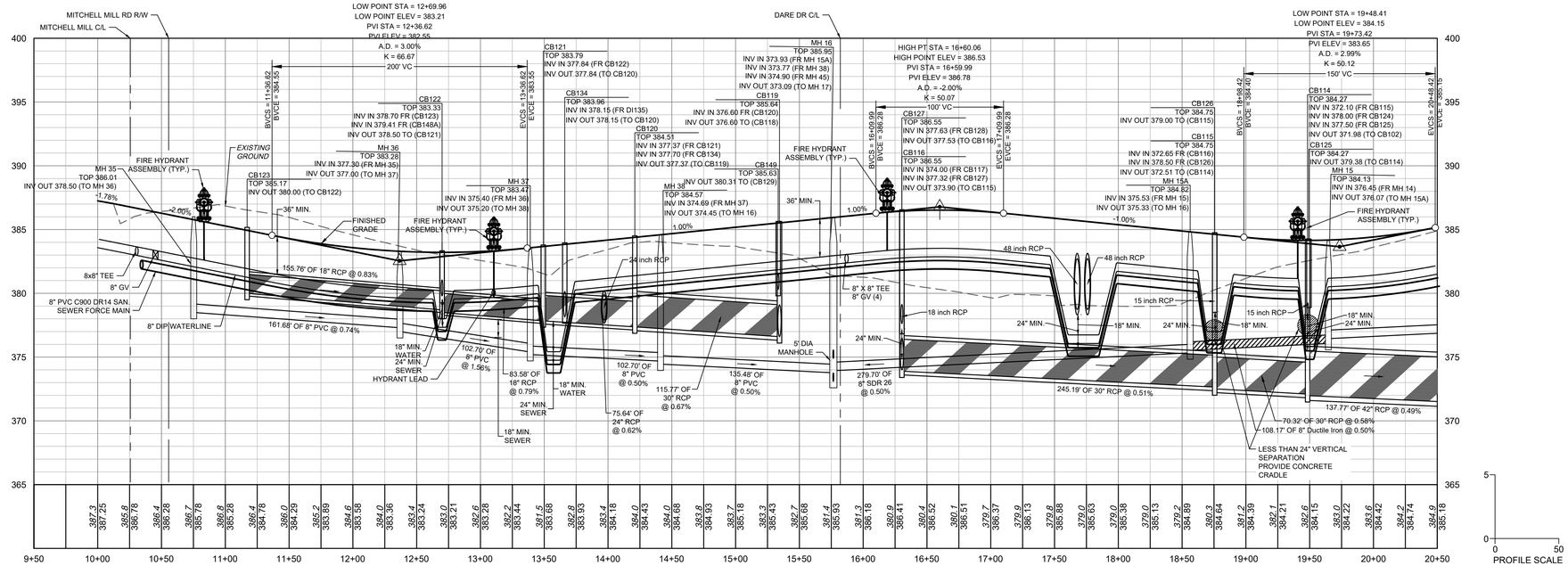
15+00
16+00
17+00
18+00
19+00
20+00

CARTERET DR PLAN VIEW
STA 9+50 - 20+00





CARTERET DR PROFILE
STA 9+50 - 20+00

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City of Raleigh Review Officer

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KNOW WHAT'S BELOW.
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 P.E. BARBEAU C.K. S.M.P.E.

01/02/2024

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YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
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01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 2 PLAN & PROFILE

JOB NO.
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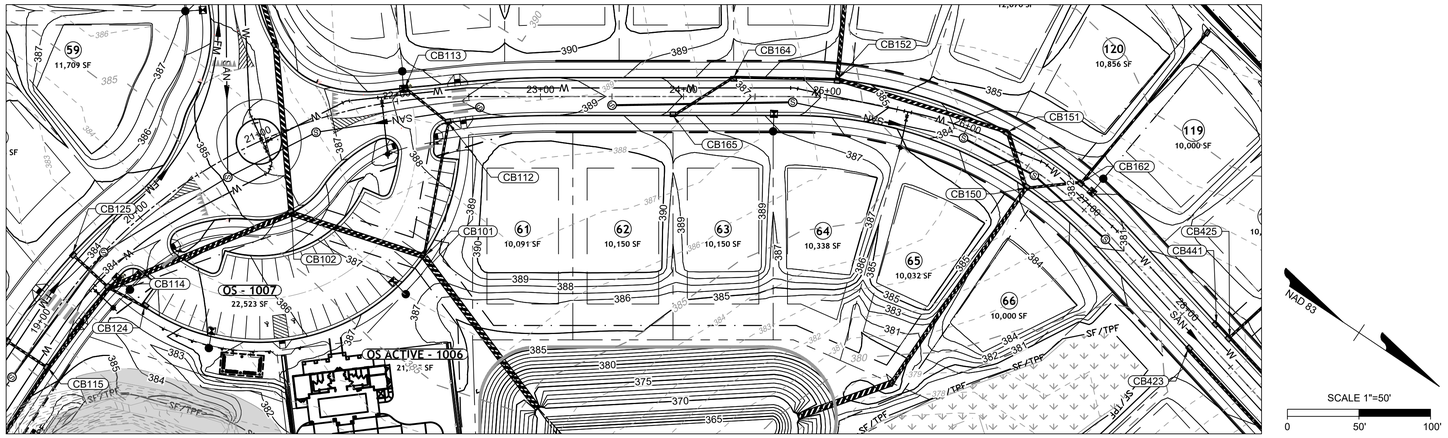
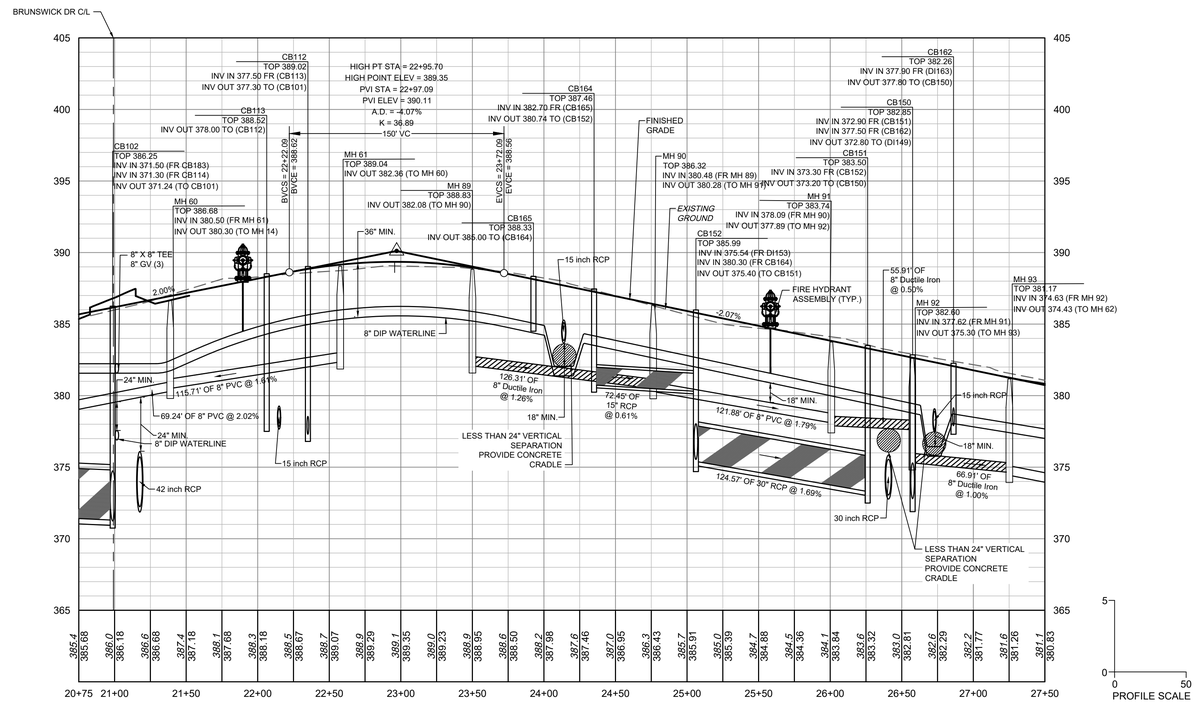


CARTERET DR PLAN VIEW

STA 19+50 - 27+50



CARTERET DR PROFILE

STA 19+50 - 27+50

811

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER P. K. BARBEAU 27370 S.E.A.L.

01/02/2024

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DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

ROAD 2 PLAN & PROFILE

JOB NO.
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SHEET NO.
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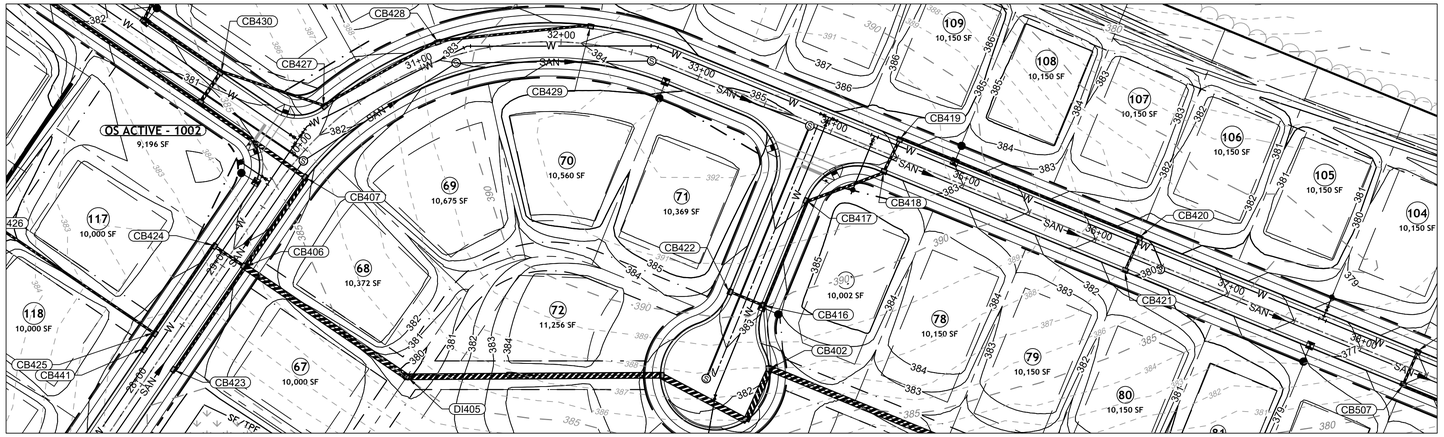
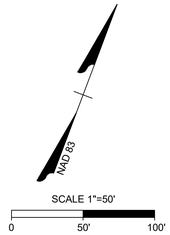
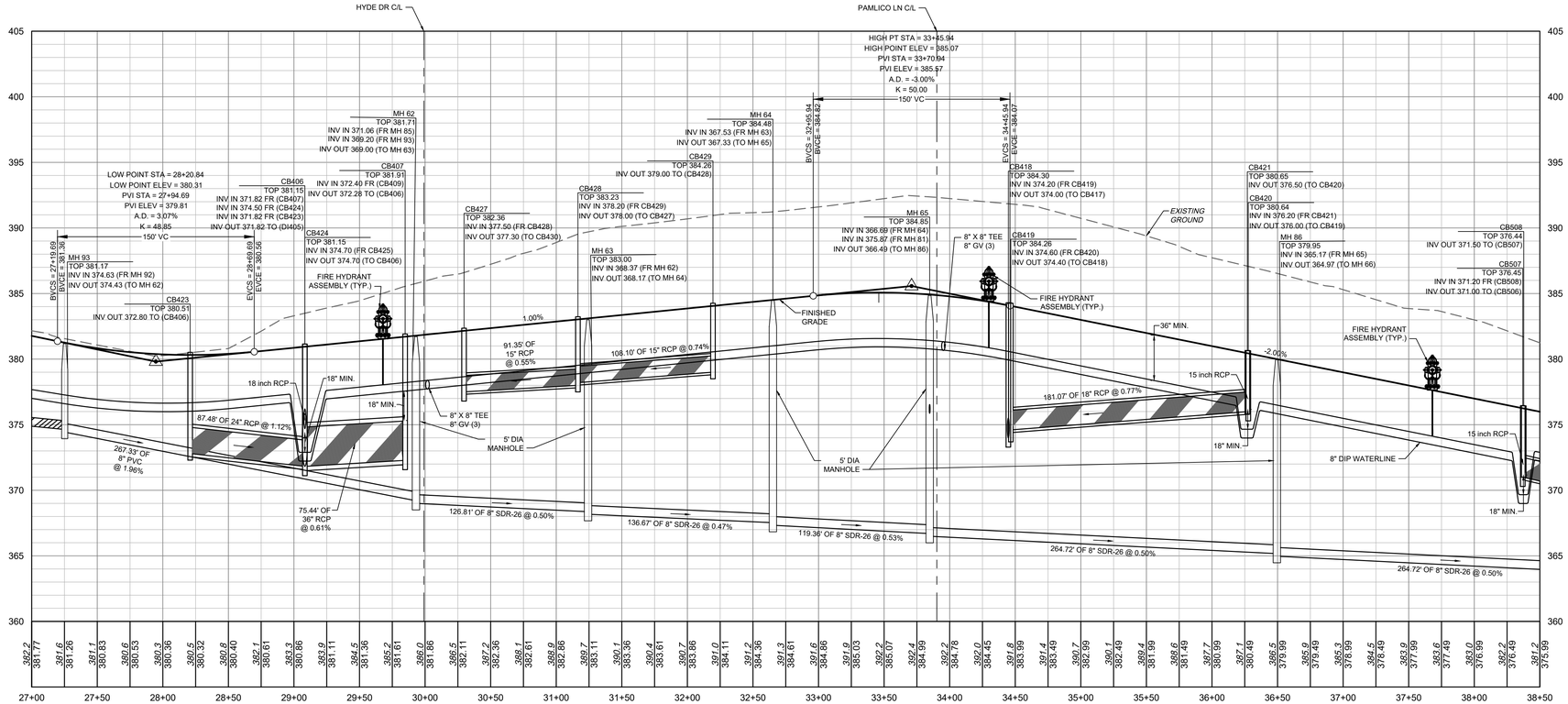
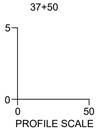




CARTERET DR PLAN VIEW
STA 27+00 - 38+50



CARTERET DR PROFILE
STA 27+00 - 38+50



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NORTH CAROLINA PROFESSIONAL ENGINEER 27370 P. C. K. BARBEAU
01/02/2024

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DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 2 PLAN & PROFILE

JOB NO.
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SHEET NO.
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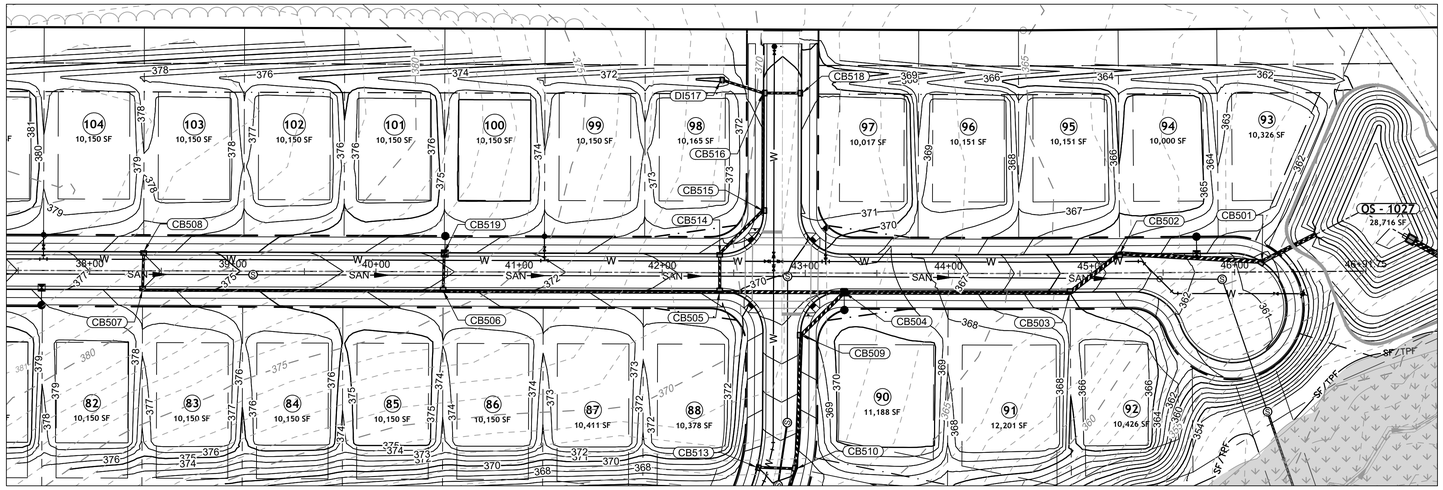
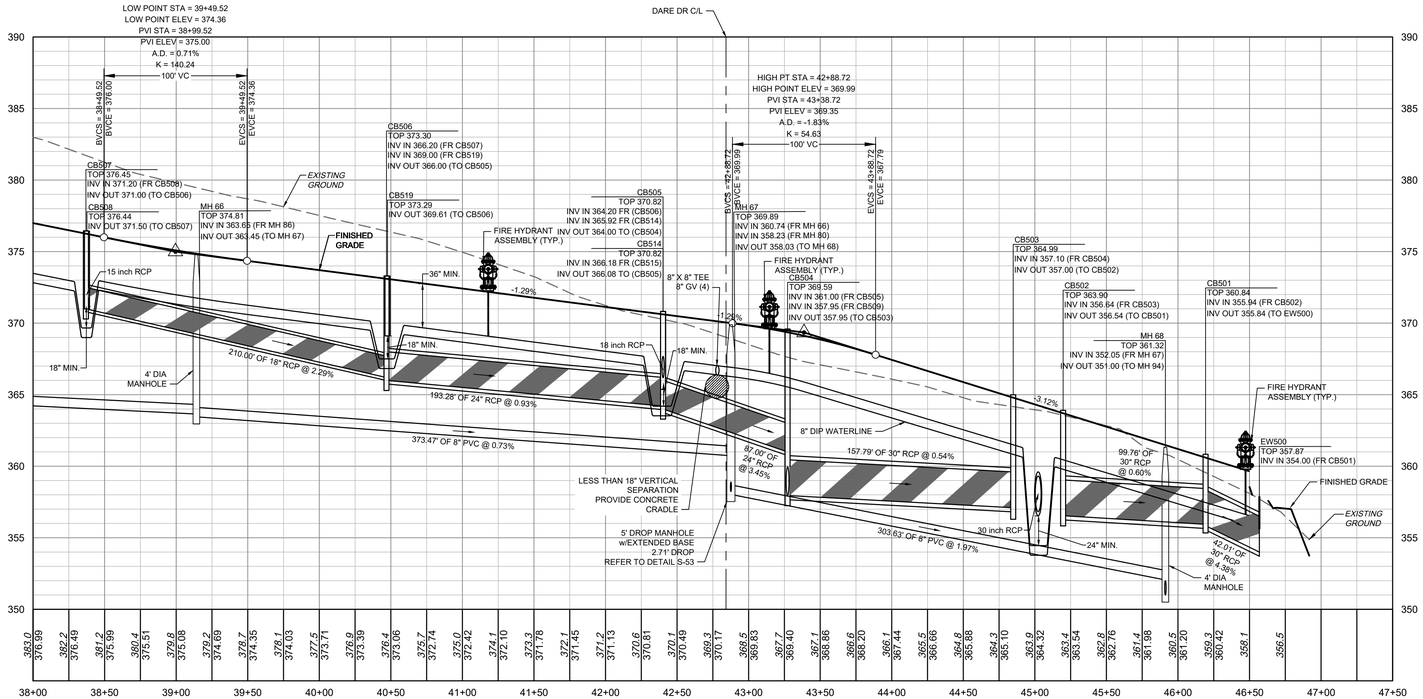


CARTERET DR PLAN VIEW
STA 38+00 - 46+92.22



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City of Raleigh Public Utilities Department Permit # _____

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027970 P. BARBEAU

01/02/2024

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DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 2 PLAN & PROFILE

JOB NO. 43398
SHEET NO. C2.14

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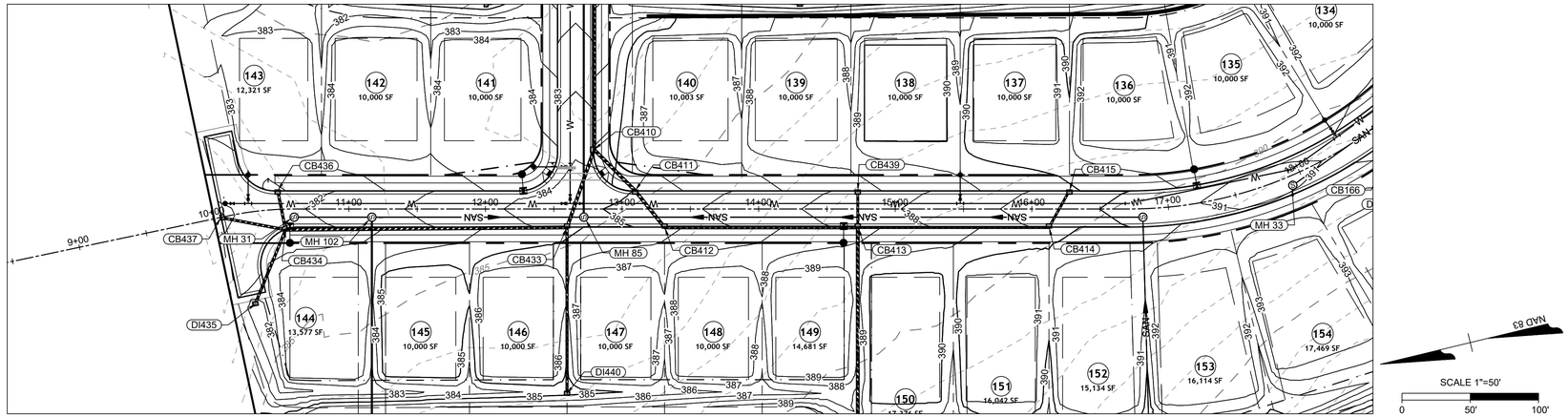
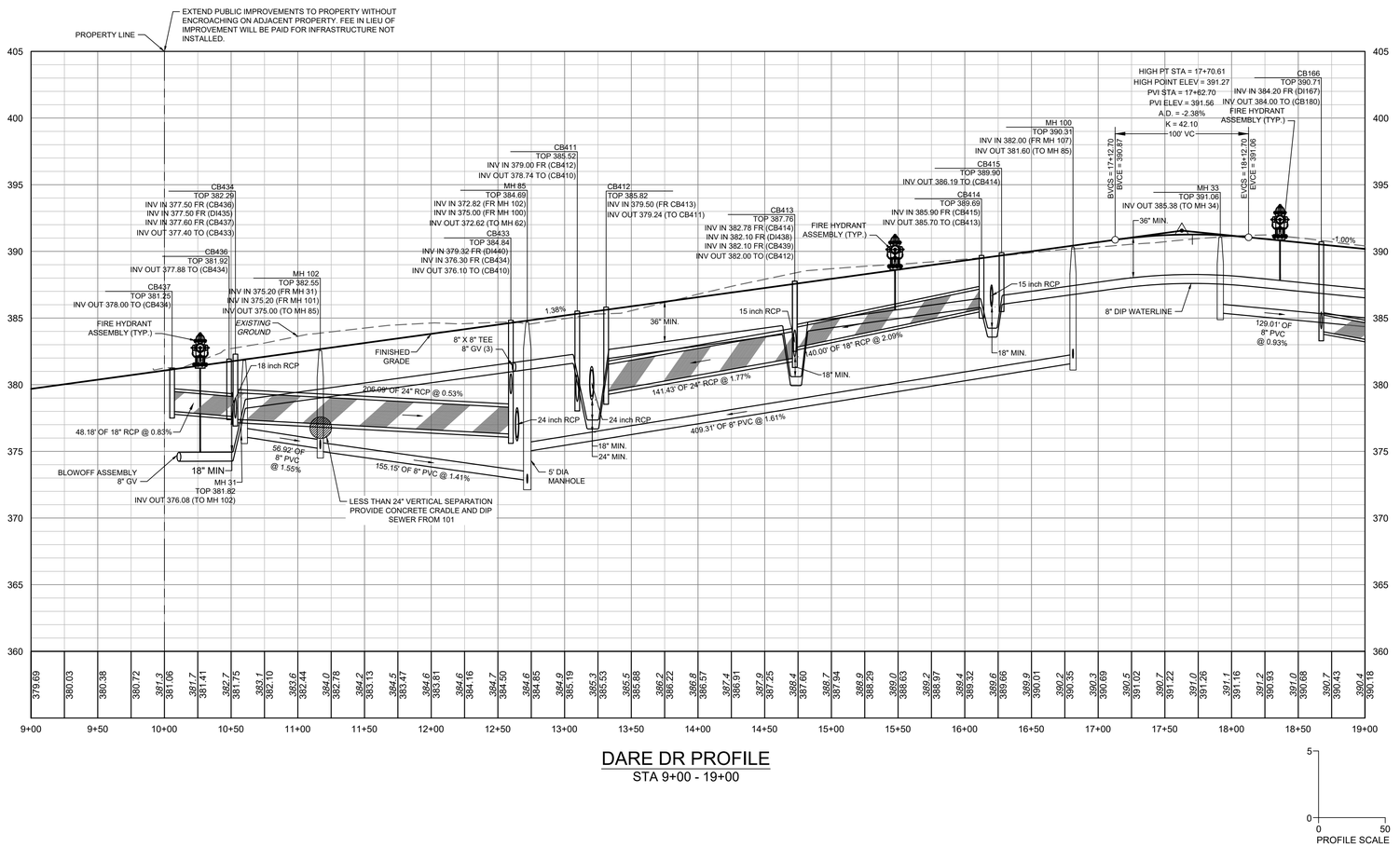


DARE DR PLAN VIEW
STA 9+00 - 19+00



DARE DR PROFILE
STA 9+00 - 19+00

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ATTENTION CONTRACTORS

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SITE PERMITTING APPROVAL

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27970 PATRICK K. BARBEAU
01/02/2024

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06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 3 PLAN & PROFILE

JOB NO. 43398
SHEET NO. C2.15

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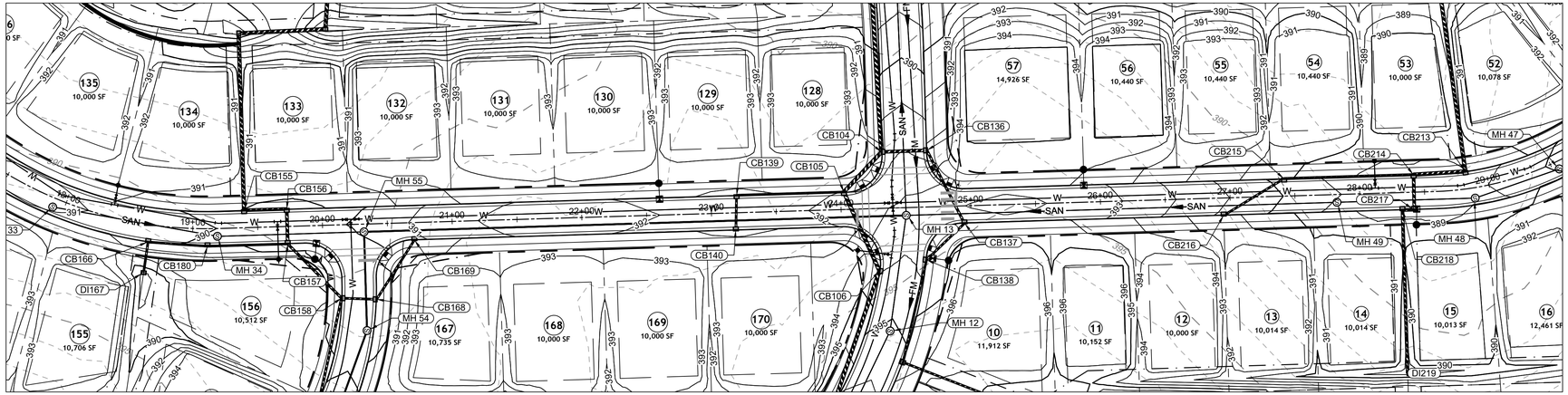
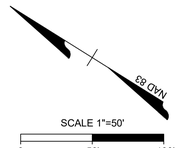
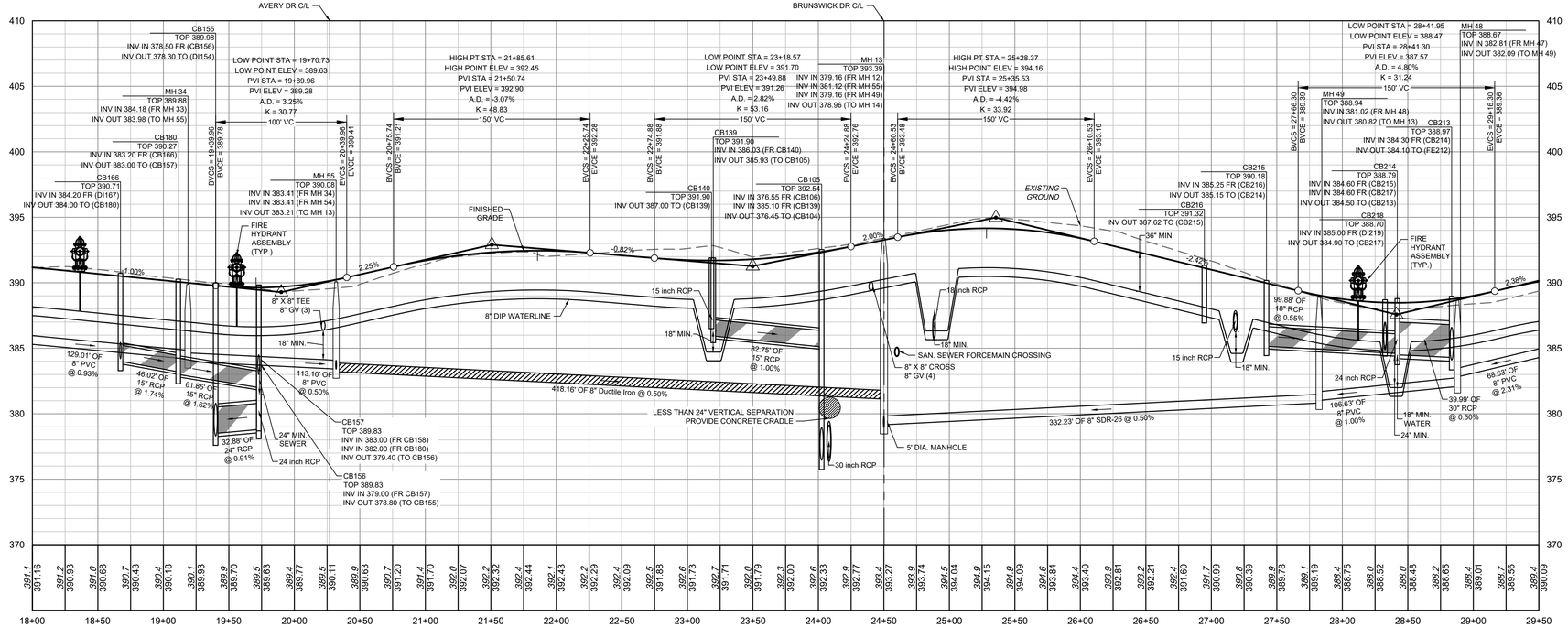


DARE DR PLAN VIEW

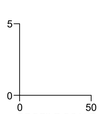
STA 18+00 - 29+50





DARE DR PROFILE

STA 18+00 - 29+50



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ATTENTION CONTRACTORS

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SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER P. BARBEAU 27370 C.K. S.E.A.L.

01/02/2024

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06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE *09/17/2021*
DRAWN BY *R. WINGATE*
DESIGNED BY *P. BARBEAU*
CHECKED BY *P. BARBEAU*
SCALE *AS SHOWN*

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08
NORTH CAROLINA LICENSE NO. C-1652
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 3 PLAN & PROFILE

JOB NO. *43398*
SHEET NO. *C2.16*

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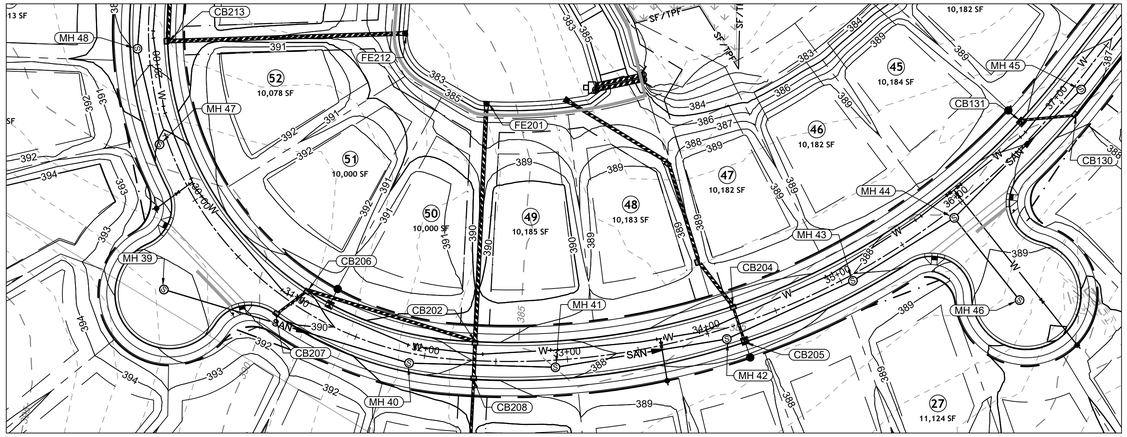
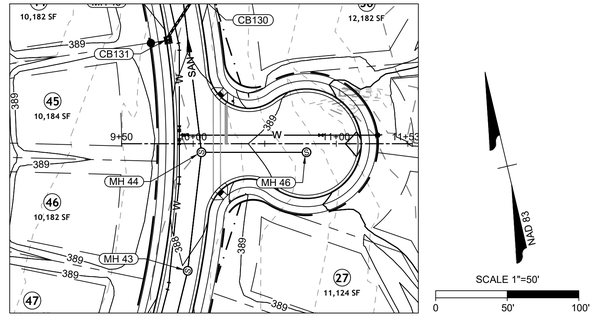
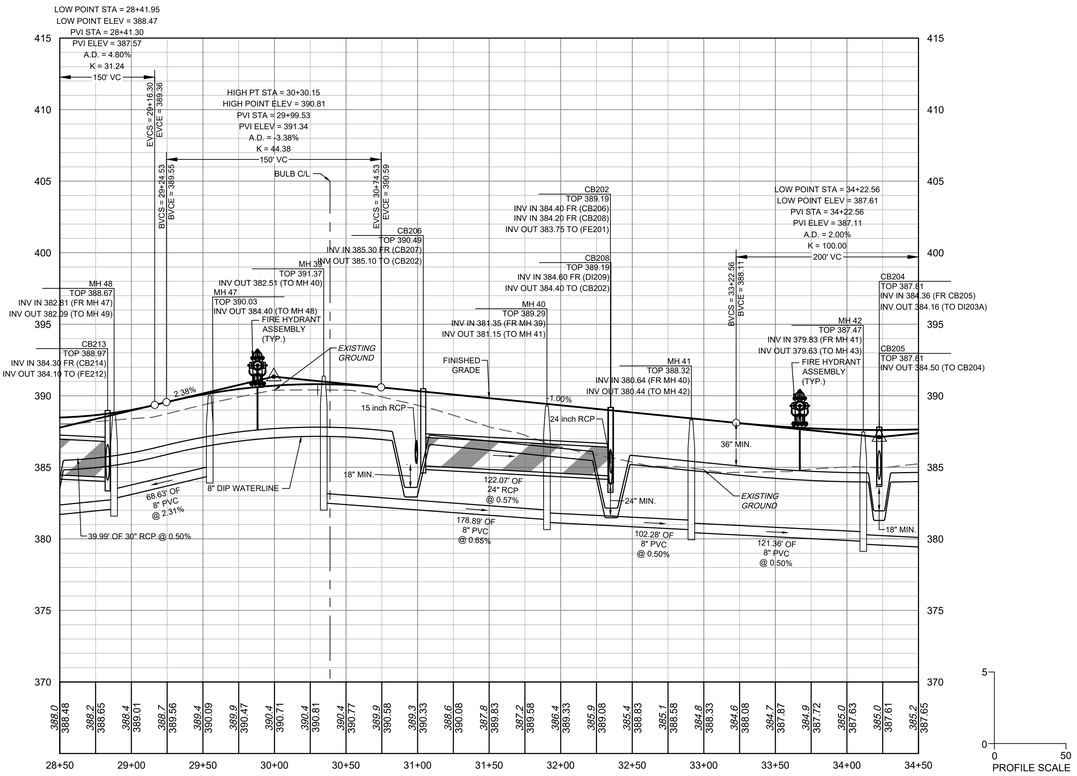


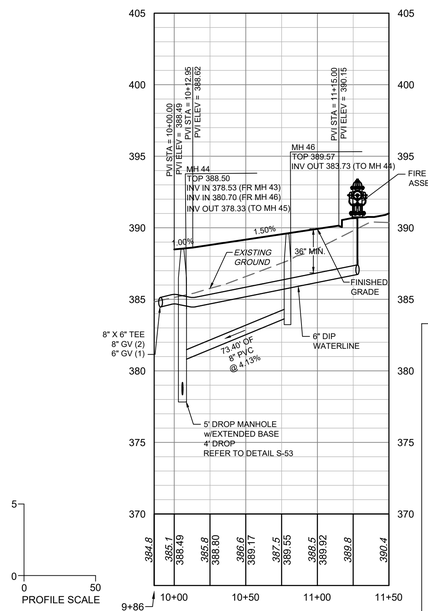
DARE DR PLAN VIEW
STA 28+50 - 34+50



WILKES LANE PLAN VIEW
STA 9+86 - 10+79.15



DARE DR PROFILE
STA 28+50 - 34+50



WILKES LANE PROFILE
STA 9+86 - 10+79.15

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SITE PERMITTING APPROVAL

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

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NORTH CAROLINA PROFESSIONAL ENGINEER P. C. K. BARBEAU 27370 S. M. R. D.
01/02/2024

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06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
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01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROADS 3 AND 7 PLAN & PROFILE

JOB NO. 43398
SHEET NO. C2.17

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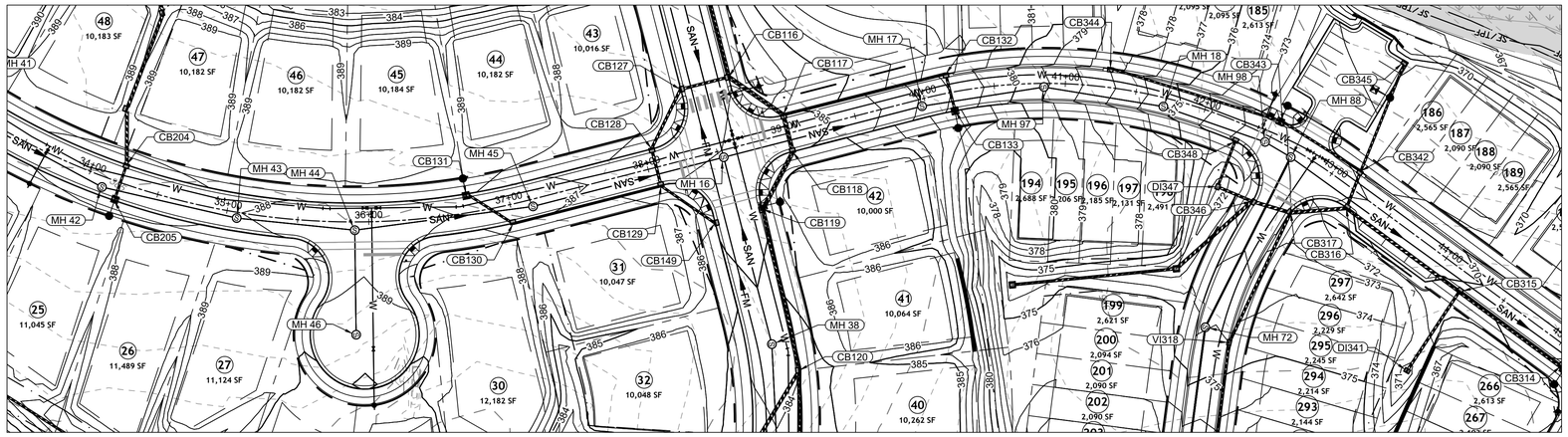
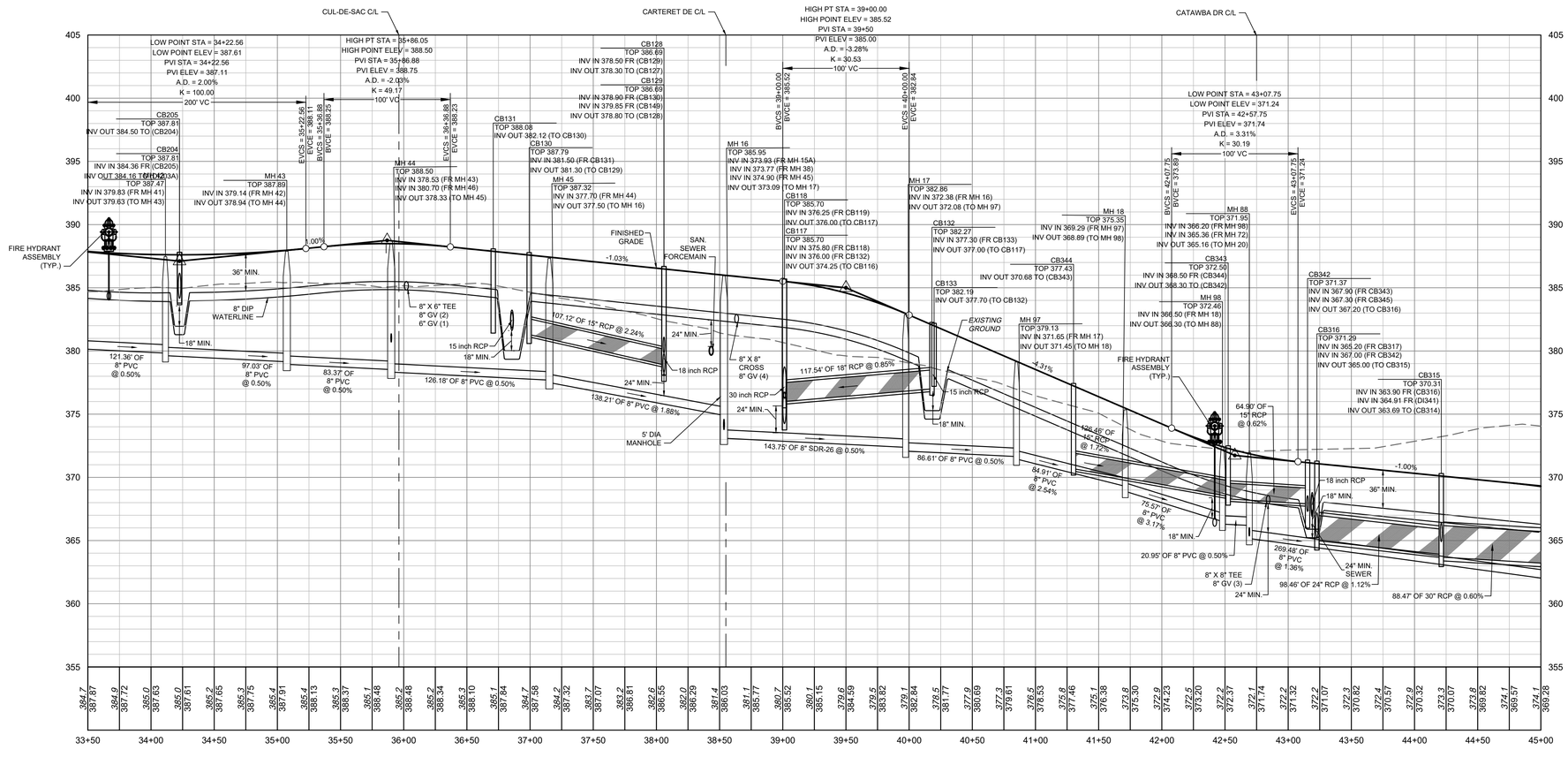


DARE DR PLAN VIEW
STA 33+50 - 45+00



DARE DR PROFILE
STA 33+50 - 45+00

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SITE PERMITTING APPROVAL

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NORTH CAROLINA PROFESSIONAL ENGINEER 27370 S. P. BARBEAU
01/02/2024

REVISION DESCRIPTION	DATE
REVISIONS PER WAKE COUNTY COMMENTS	06/24/2022
CONSTRUCTION DOCUMENT SUBMITTAL	07/22/2022
REVISIONS PER CITY OF RALEIGH COMMENTS	04/06/2023
REVISIONS PER CITY OF RALEIGH COMMENTS	09/06/2023
REVISIONS TO APPROVED PLANS	01/02/2024

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

ROAD 3 PLAN & PROFILE

JOB NO. 43398

SHEET NO. C2.18

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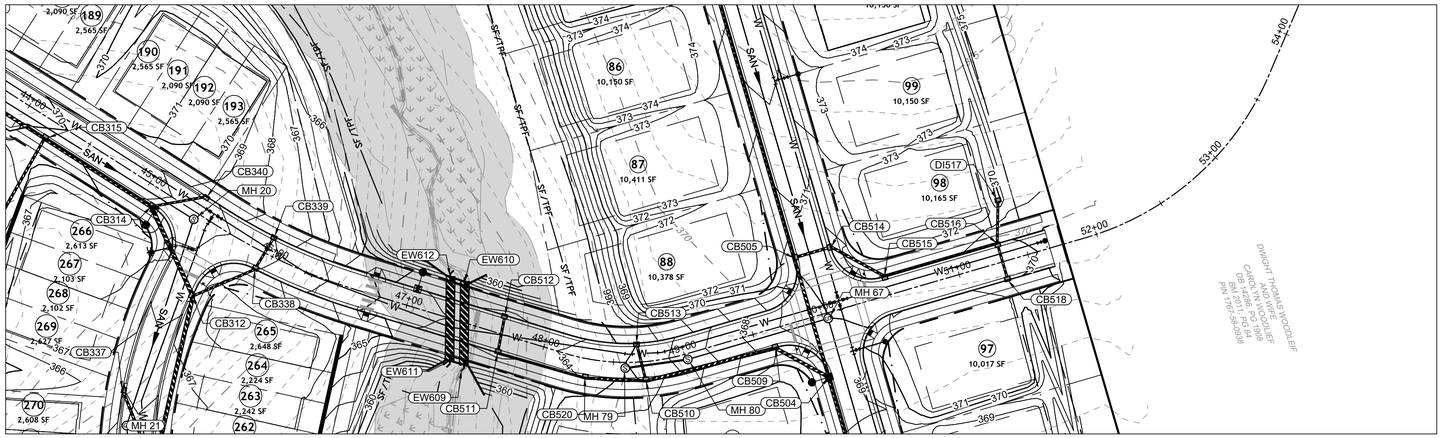
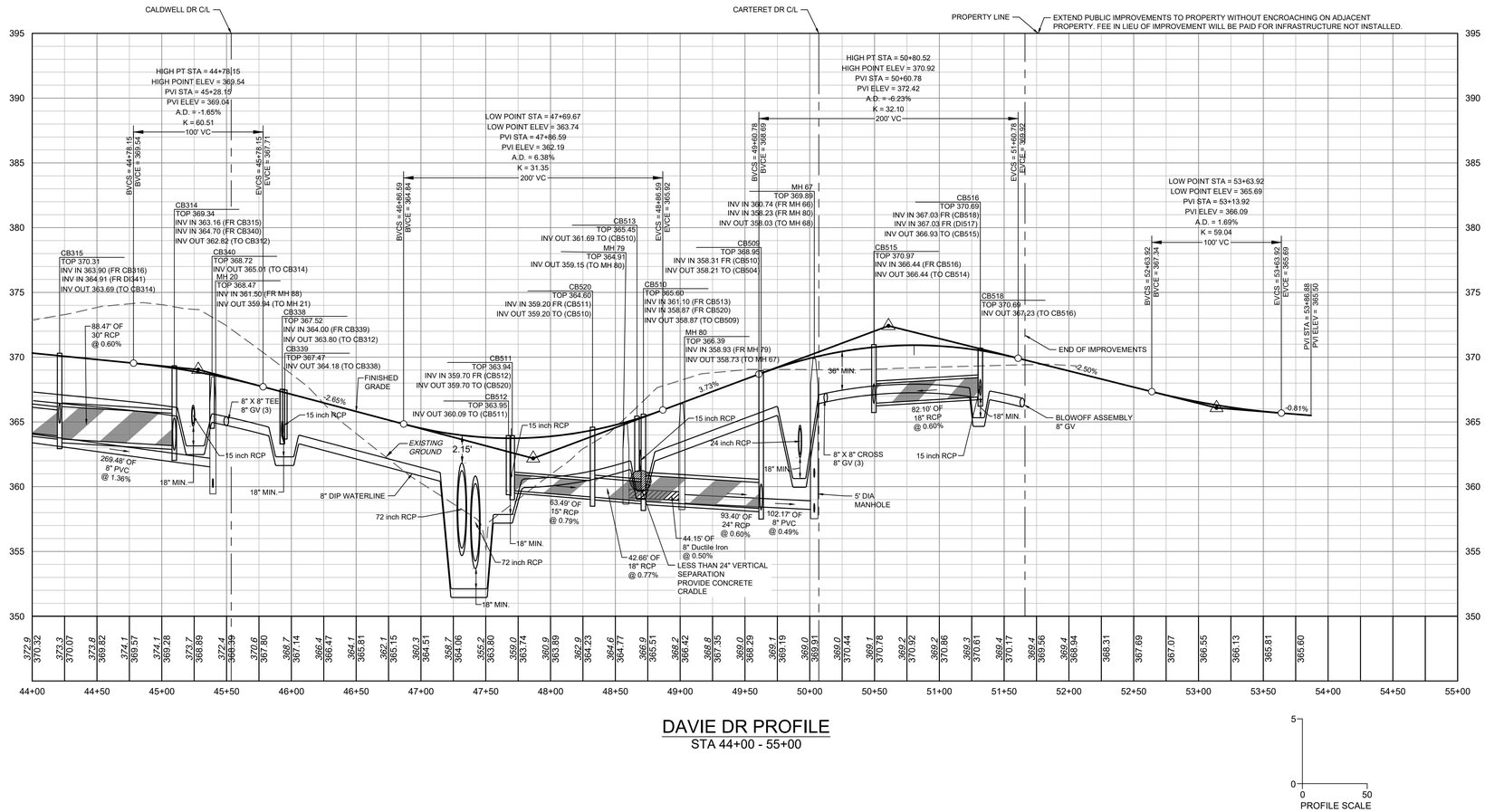


NAD 83

SCALE 1"=50'

0 50' 100'

DAVIE DR PLAN VIEW
STA 44+00 - 55+00



DAVIE DR PROFILE
STA 44+00 - 55+00

5
0
0 50
PROFILE SCALE

ATTENTION CONTRACTORS

*THE **CONSTRUCTION CONTRACTOR** RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR **CONTACTING** THE **PUBLIC WORKS DEPARTMENT** AT **(919) 996-2409**, AND THE **PUBLIC UTILITIES DEPARTMENT** AT **(919) 996-4540** AT LEAST **TWENTY FOUR HOURS** PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.*

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

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

SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

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 #** _____

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City of Raleigh Public Utilities Department Permit # _____

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

811 KNOW WHAT'S BELOW. CALL 811 BEFORE YOU DIG.

NORTH CAROLINA PROFESSIONAL ENGINEER 27370 P. K. BARBEAU S. W. R. 01/02/2024

THIS DRAWING PREPARED AT THE **RALEIGH OFFICE**
5410 Trinity Road, Suite 102 | Raleigh, NC 27607
TEL 919.866.4951 FAX 919.833.8124 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 3 PLAN & PROFILE

JOB NO. 43398
SHEET NO. C2.19

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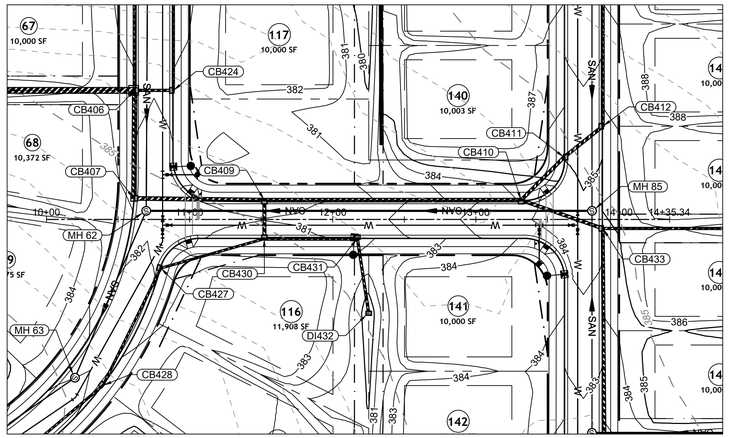
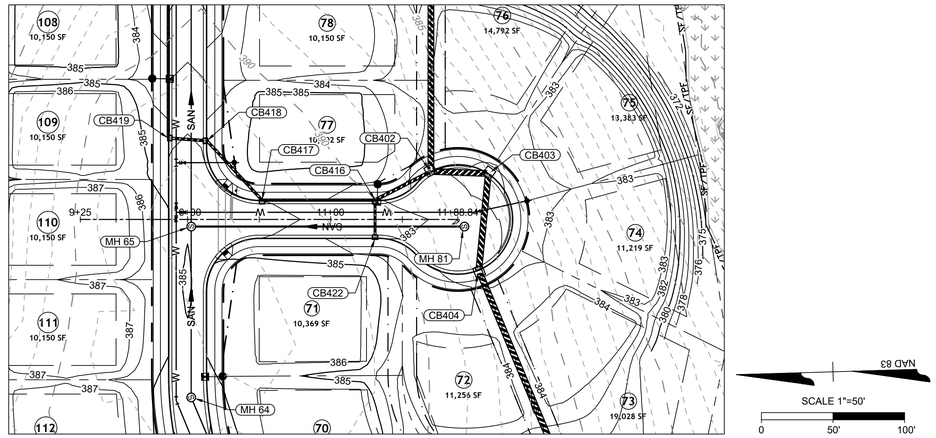
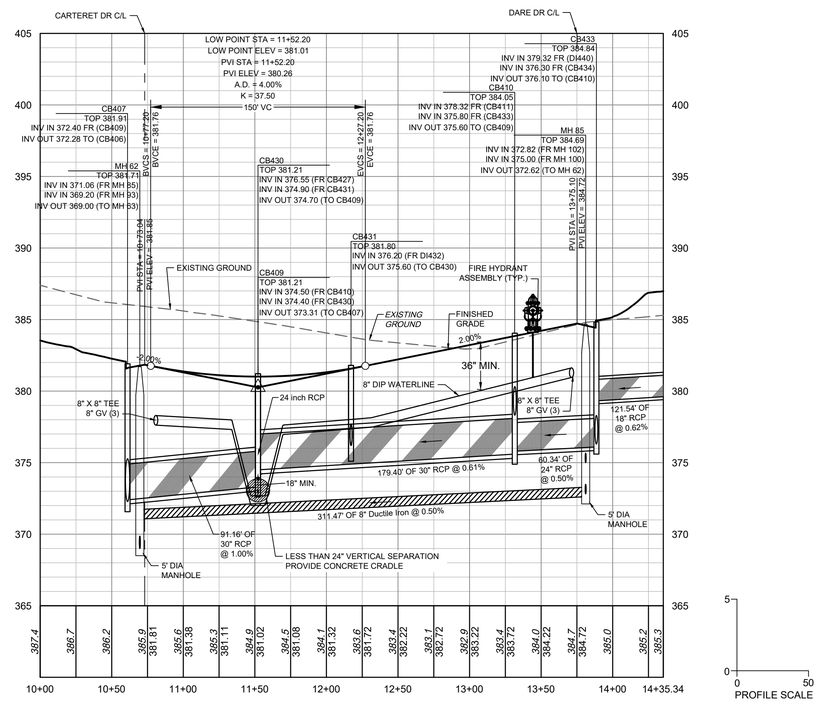


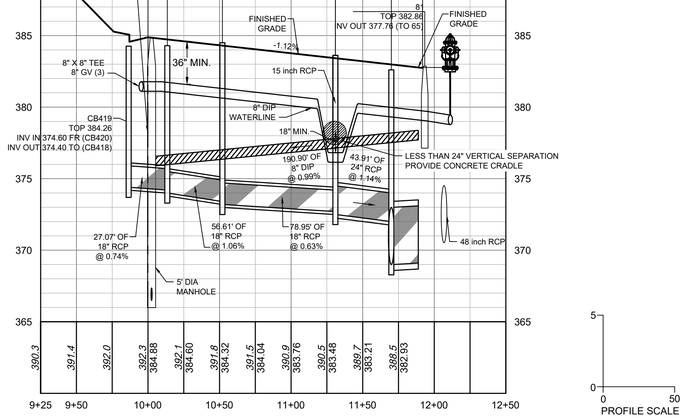
HYDE DR PLAN VIEW
STA 10+00 - 14+35.34



PAMLICO LN PLAN VIEW
STA 10+00 - 12+00



HYDE DR PROFILE
STA 10+00 - 14+35.34



PAMLICO LN PROFILE
STA 10+00 - 12+00

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:	
PVC SDR35	MIN. 3' TO 12' NON-TRAFFIC AREA; MIN. 5' TO 12' TRAFFIC AREA
PVC SDR26	12'-20' TRAFFIC AND NON-TRAFFIC AREAS
DIP	MIN. 3' TO 5' TRAFFIC AREA (CLASS 1 BEDDING); GREATER THAN 20' WITH DIRECTOR APPROVAL

ATTENTION CONTRACTORS

*THE **CONSTRUCTION CONTRACTOR** RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR **CONTACTING** THE **PUBLIC WORKS DEPARTMENT** at **(919) 996-2409**, AND THE **PUBLIC UTILITIES DEPARTMENT** AT **(919) 996-4540** AT LEAST **TWENTY FOUR HOURS** PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.*

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

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

SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

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 #** _____

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City of Raleigh Public Utilities Department Permit # _____

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER S. P. B. C. K. 27370
01/02/2024

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YOUR VISION ACHIEVED THROUGH OURS.

REVISION DESCRIPTION	DATE
REVISIONS PER WAKE COUNTY COMMENTS	06/24/2022
CONSTRUCTION DOCUMENT SUBMITTAL	07/22/2022
ADDRESS CITY OF RALEIGH COMMENTS	04/06/2023
REVISIONS PER CITY OF RALEIGH COMMENTS	09/06/2023
REVISIONS TO APPROVED PLANS	01/02/2024

DATE
09/17/2021
DRAWN BY
R. WINGATE
DESIGNED BY
P. BARBEAU
CHECKED BY
P. BARBEAU
SCALE
AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROADS 4 AND 5 PLAN & PROFILE

JOB NO.
43398
SHEET NO.
C2.20

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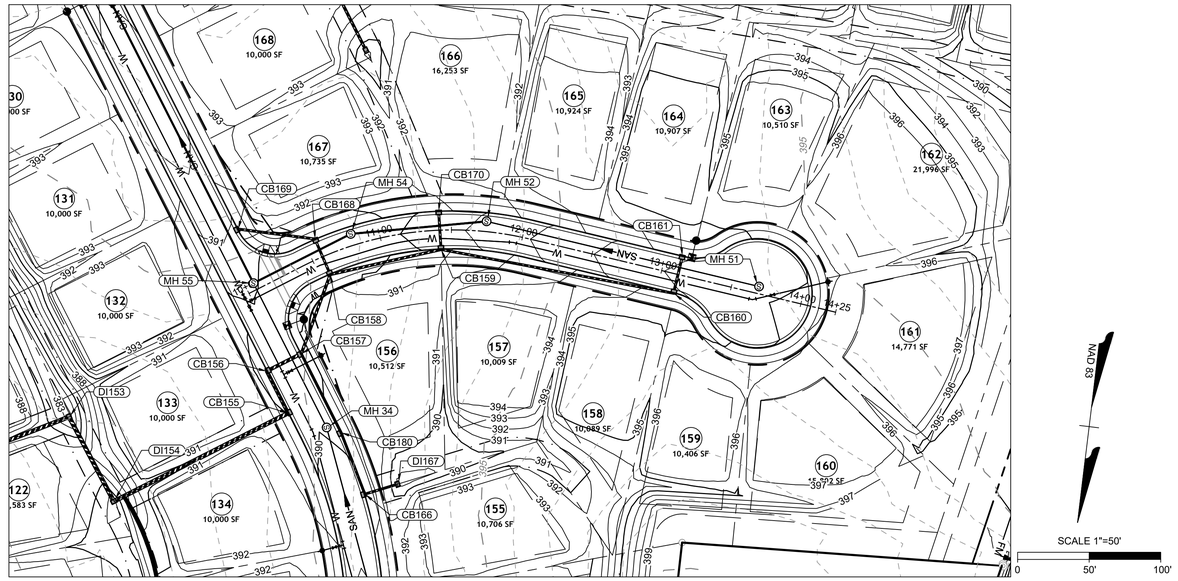
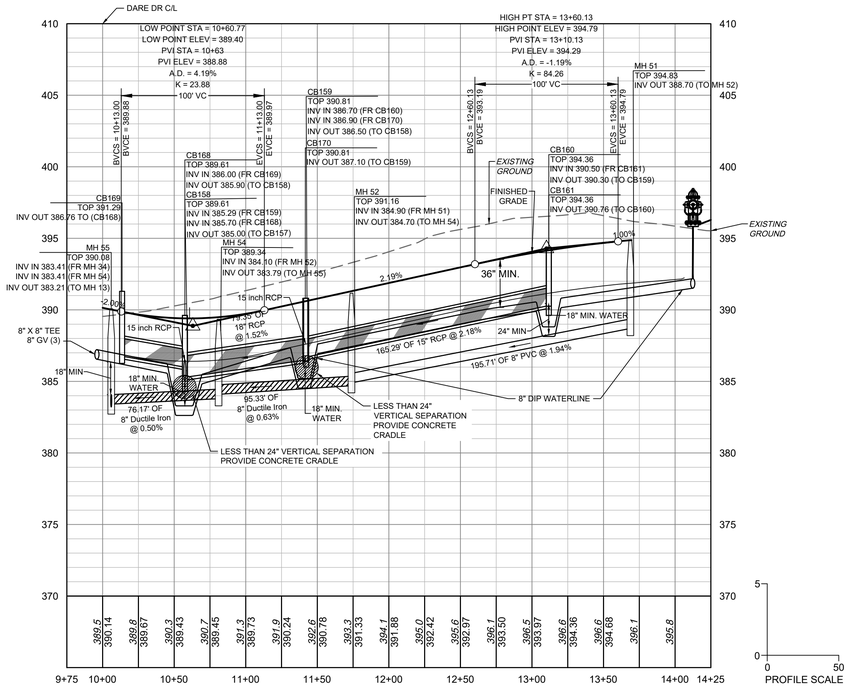


AVERY DRIVE PLAN VIEW
STA 10+00 - 13+68.74



AVERY DRIVE PROFILE
STA 10+00 - 13+68.74

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:	
PVC SDR35	MIN. 3' TO 12' NON-TRAFFIC AREA; MIN. 5' TO 12' TRAFFIC AREA
PVC SDR26	12'-20' TRAFFIC AND NON-TRAFFIC AREAS
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ATTENTION CONTRACTORS

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SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

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City of Raleigh Public Utilities Department Permit # _____

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

THIS DRAWING PREPARED AT THE
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YOUR VISION ACHIEVED THROUGH OURS.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 P. BARBEAU
01/02/2024

DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 6 PLAN & PROFILE

JOB NO. 43398
SHEET NO. C2.21

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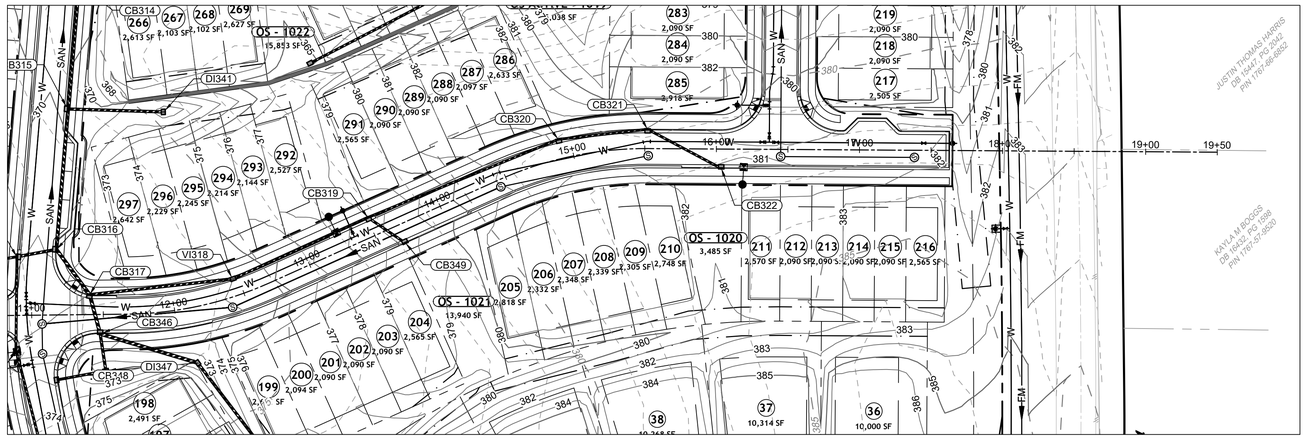
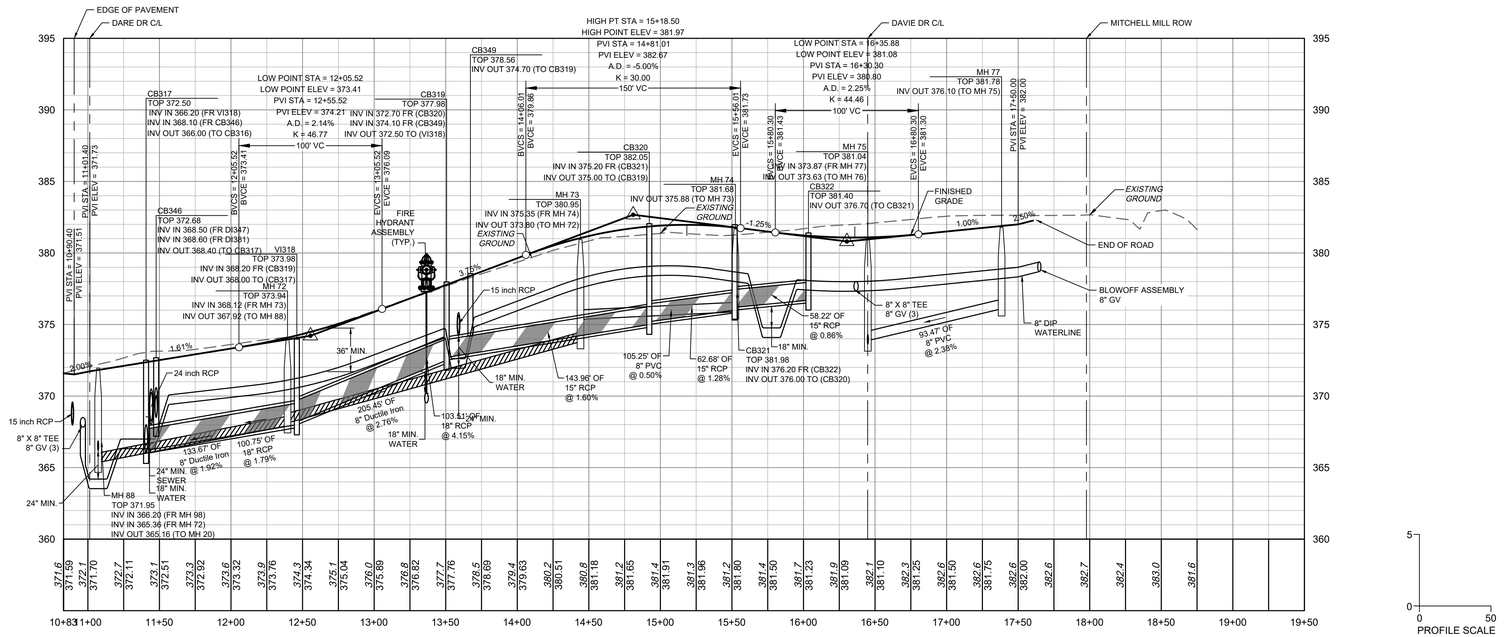


CATAWBA DR PLAN VIEW

STA 10+83 - 19+50



CATAWBA DR PROFILE

STA 10+83 - 19+50

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:	
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ATTENTION CONTRACTORS

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SITE PERMITTING APPROVAL

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City of Raleigh Public Utilities Department Permit # _____

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27970 P. BARBEAU

01/02/2024

THIS DRAWING PREPARED AT THE **RALEIGH OFFICE**
5410 Trinity Road, Suite 102 | Raleigh, NC 27607
TEL 919.866.4951 FAX 919.833.8124 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE *09/17/2021*
DRAWN BY *R. WINGATE*
DESIGNED BY *P. BARBEAU*
CHECKED BY *P. BARBEAU*
SCALE *AS SHOWN*

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08
NORTH CAROLINA LICENSE NO. C-1652
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 8 PLAN & PROFILE

JOB NO. *43398*
SHEET NO. *C2.22*

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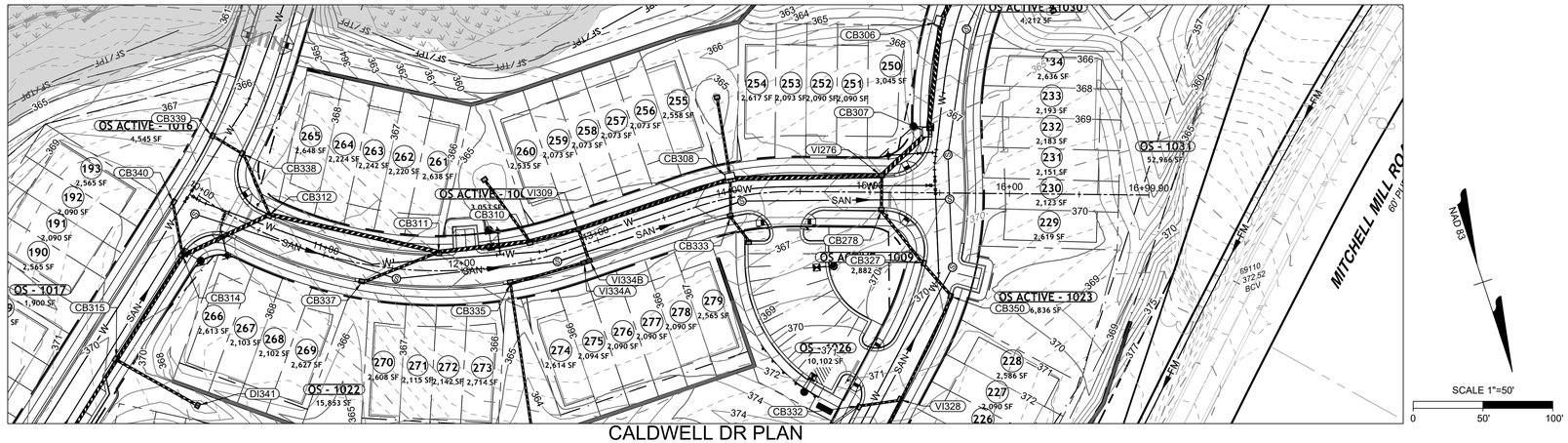
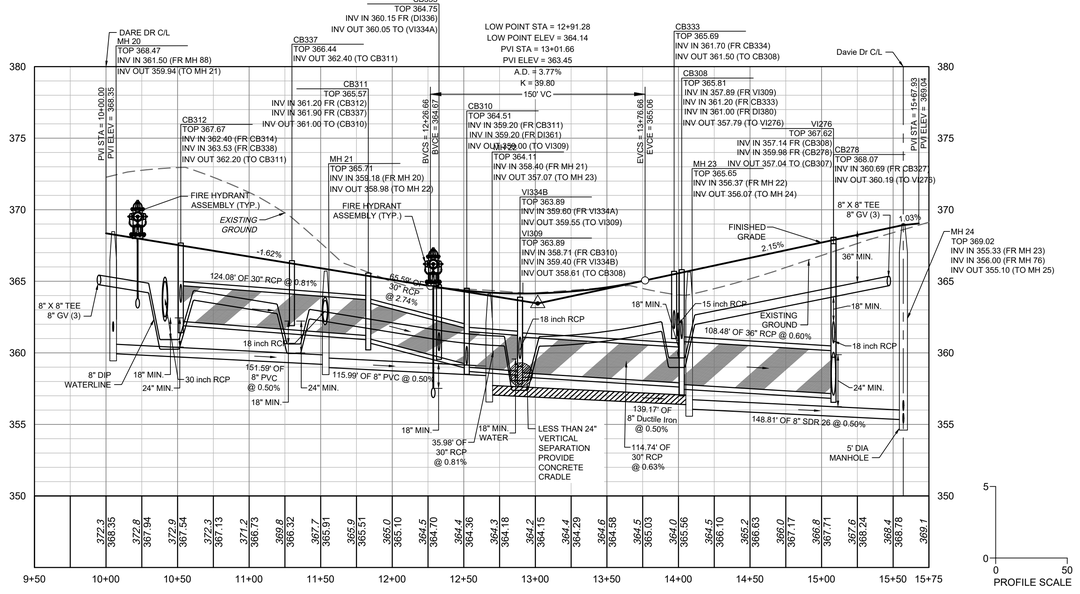


CALDWELL DR PLAN
VIEW
STA 10+00 - 17+00



CALDWELL DR PROFILE
STA 10+00 - 17+00

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:	
PVC SDR35	MIN. 3' TO 12' NON-TRAFFIC AREA; MIN. 5' TO 12' TRAFFIC AREA
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ATTENTION CONTRACTORS

*THE **CONSTRUCTION CONTRACTOR** RESPONSIBLE FOR THE EXTENSION OF WATER, SEWER AND/OR REUSE, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR **CONTACTING** THE **PUBLIC WORKS DEPARTMENT** at **(919) 996-2409**, AND THE **PUBLIC UTILITIES DEPARTMENT** AT **(919) 996-4540** AT LEAST **TWENTY FOUR HOURS** PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.*

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

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

SITE PERMITTING APPROVAL

Water and Sewer Permits (If applicable)

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 #** _____

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 #** _____

The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and constructions 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 # _____

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

Plans for the proposed use have been reviewed for general compliance with applicable codes. This limited review, and authorization for construction is not to be considered to represent total compliance with all legal requirements for development and construction. The property owner, design consultants, and contractors are each responsible for compliance with all applicable City, State and Federal laws. This specific authorization below is not a permit, nor shall it be construed to permit any violation of City, State or Federal Law. All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27970 P. C. K. BARBEAU
01/02/2024

THIS DRAWING PREPARED AT THE
RALEIGH OFFICE
5410 Trinity Road, Suite 102 | Raleigh, NC 27607
TEL 919.866.4951 FAX 919.833.8124 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021
DRAWN BY
R. WINGATE
DESIGNED BY
P. BARBEAU
CHECKED BY
P. BARBEAU
SCALE
AS SHOWN

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08
NORTH CAROLINA LICENSE NO. C-1652
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 9 PLAN & PROFILE

JOB NO.
43398
SHEET NO.
C2.23

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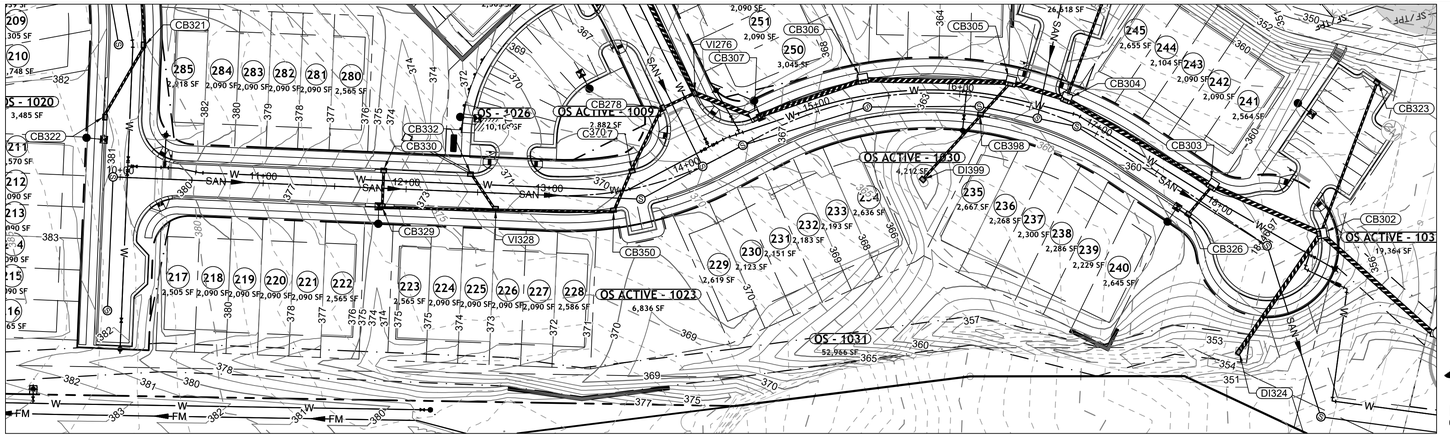
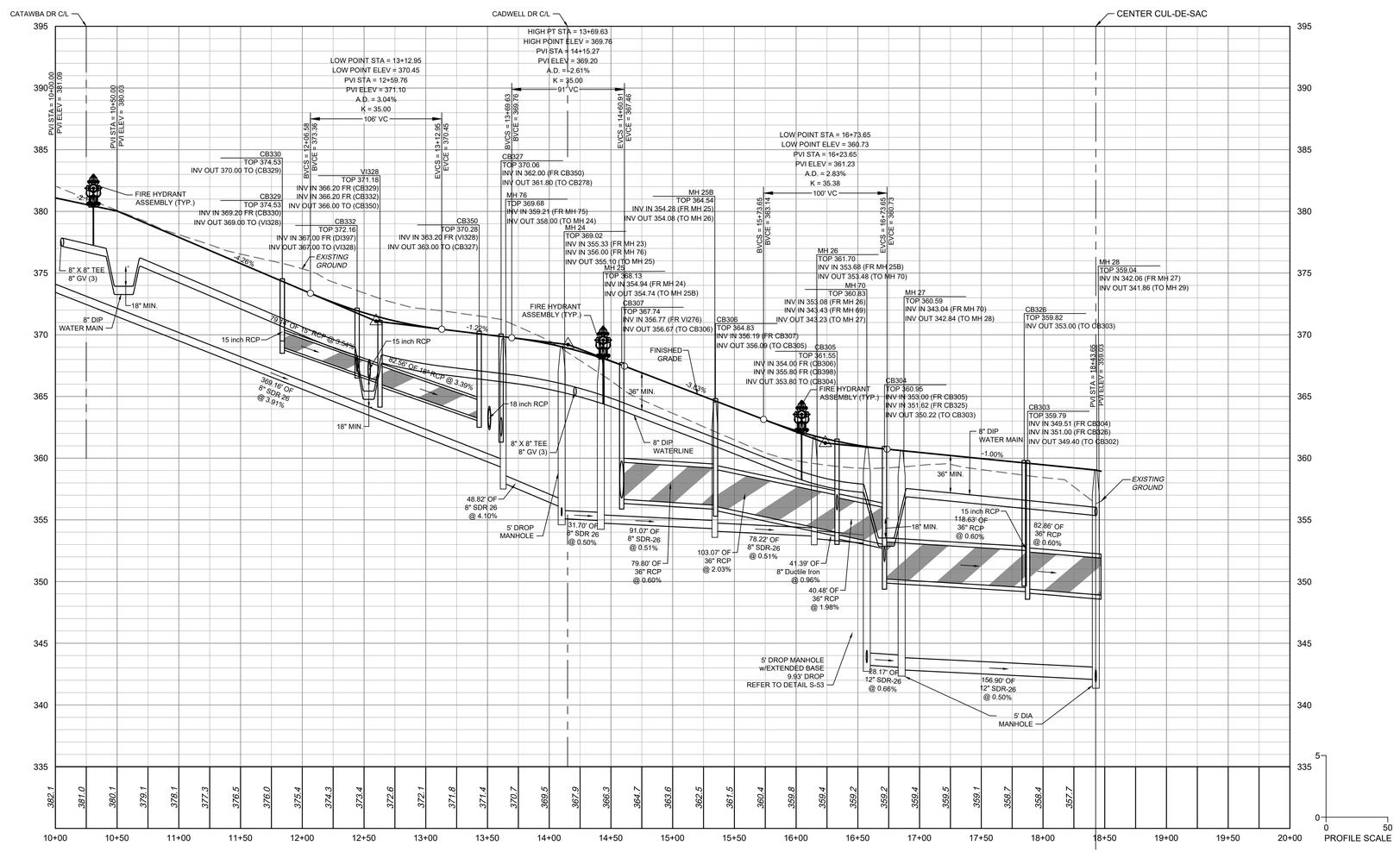


DAVIE DR PLAN VIEW
STA 10+00 - 19+79.38



DAVIE DR PROFILE
STA 10+00 - 19+79.38

NOTE: ANY SEWER DEEPER THAN 12' REQUIRES SDR-26 OR DIP SEWER PIPE AND 5' DIAMETER MANHOLES. SEWER DEEPER THAN 20' REQUIRES 6' DIAMETER MANHOLES AND DIP SEWER PIPE.

SEWER MAIN MATERIAL:

PVC SDR35	MIN. 3' TO 12' NON-TRAFFIC AREA; MIN. 5' TO 12' TRAFFIC AREA
PVC SDR26	12'-20' TRAFFIC AND NON-TRAFFIC AREAS
DIP	MIN. 3' TO 5' TRAFFIC AREA (CLASS 1 BEDDING); GREATER THAN 20' WITH DIRECTOR APPROVAL

ATTENTION CONTRACTORS

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City of Raleigh Public Utilities Department Permit # _____

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City of Raleigh Development Approval _____

City of Raleigh Review Officer

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27970 BRIAN K. PARBEAU
01/02/2024

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DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08
NORTH CAROLINA LICENSE NO. C-1652
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROAD 10 PLAN & PROFILE

JOB NO. 43398
SHEET NO. C2.24

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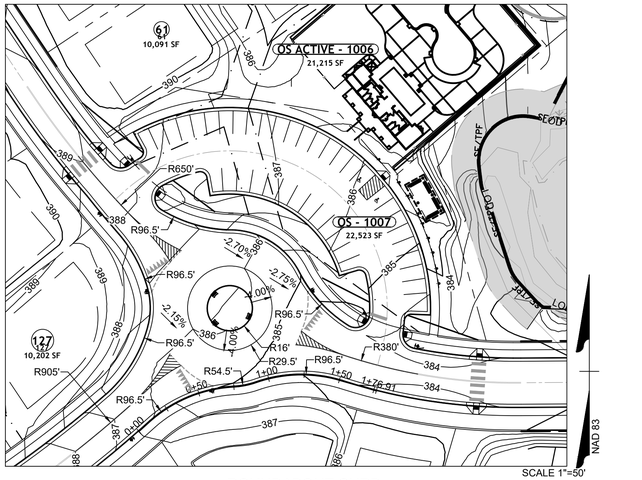
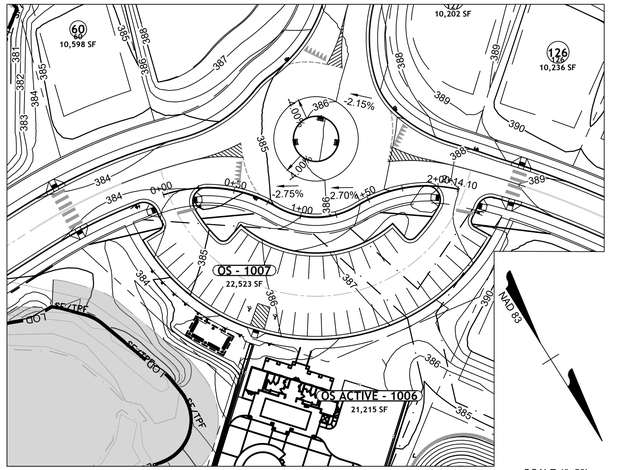


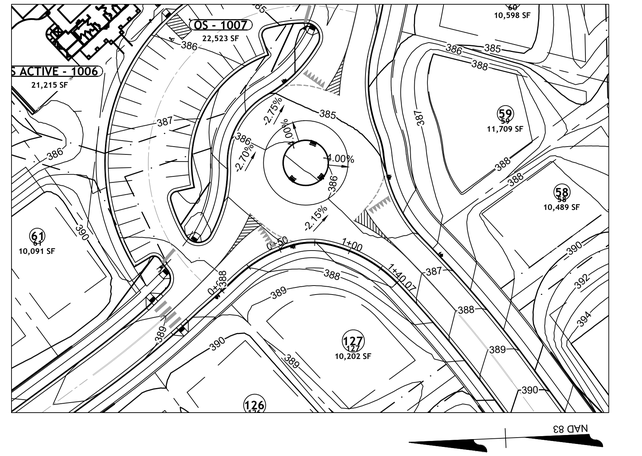
ROUNDABOUT CURB
PLAN VIEW 1

SCALE 1"=50'
0 50' 100'



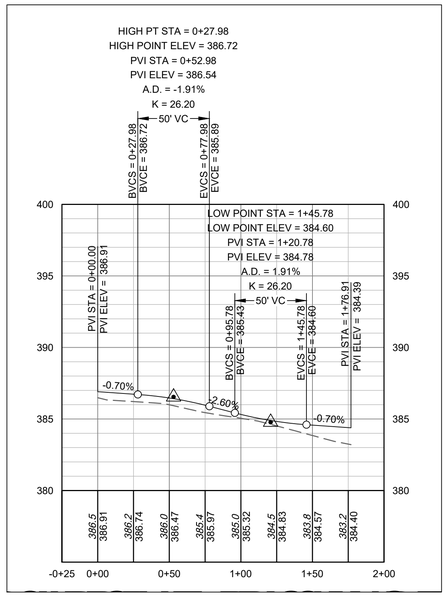
ROUNDABOUT CURB
PLAN VIEW 2

SCALE 1"=50'
0 50' 100'

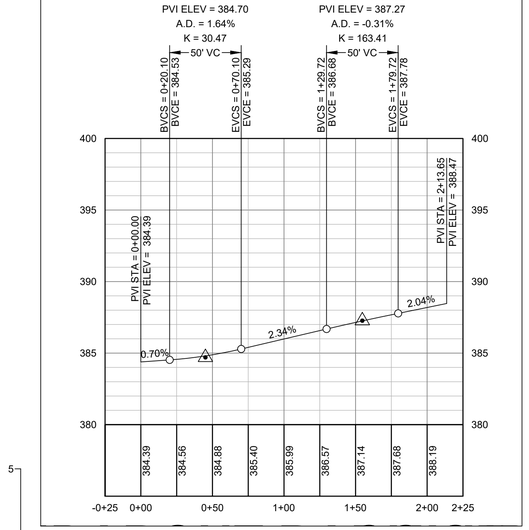


ROUNDABOUT CURB
PLAN VIEW 3

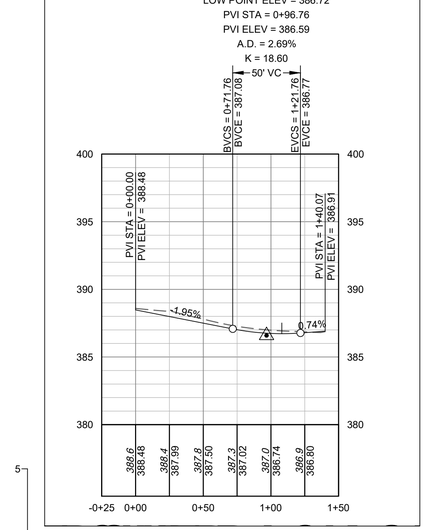
SCALE 1"=50'
0 50' 100'



ROUNDABOUT CURB
PROFILE VIEW 1

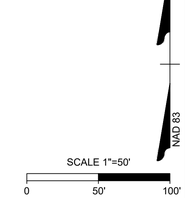


ROUNDABOUT CURB
PROFILE VIEW 2



ROUNDABOUT CURB
PROFILE VIEW 3

ROUNDABOUT CURB PROFILE NOTES:
1. PROFILES ARE FOR BACK OF CURB ELEVATIONS.
2. REFER TO GRADING AND DRAINAGE PLANS FOR STORM DRAINAGE.
3. REFER TO UTILITY PLANS FOR UTILITIES.



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 P. C. K. BARBEAU
01/02/2024

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06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
08/16/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021
DRAWN BY
R. WINGATE
DESIGNED BY
P. BARBEAU
CHECKED BY
P. BARBEAU
SCALE
AS SHOWN

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08
NORTH CAROLINA LICENSE NO. C-1652
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
ROUNDABOUT CURB PLAN & PROFILE

JOB NO.
43398
SHEET NO.
C2.25

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SIGNAGE & PAVEMENT MARKING KEYNOTES	
KEY	DESCRIPTION
A	24" WIDE STOP BAR (NCDOT 1205.01 & 1205.04)
B	8' WIDE STANDARD CROSSWALK (NCDOT 1205.01 & 1205.07)
C	24"X36" YIELD LINE SYMBOLS (NCDOT 1205.14)
D	WHITE WIDE (12") 3'-3'/SP MINI-SKIPS ENTRANCE LINE
E	8' WIDE HIGH VIS. CROSSWALK (NCDOT 1205.01 & 1205.07)
F	STOP SIGN (MUTCD R1-1)
G	SPEED LIMIT (25) (MUTCD R2-1)
H	YIELD SIGN (MUTCD R1-2)
I	ROUNDABOUT SIGN (MUTCD W2-6)
J	ROUNDABOUT SIGN (MUTCD R6-4A)
K	END OF ROAD MARKER (MUTCD OM4-3)
L	VAN ACCESSIBLE PARKING SIGN (TYPICAL - PER ADA AND LOCAL REQUIREMENTS); R7-8A (MUTCD)
M	ADA ACCESSIBLE PARKING SPACE STRIPING AND SYMBOL OF ACCESSIBILITY (TYPICAL - PER ADA AND LOCAL CODES)
O	MAIL KIOSK PARKING

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER P. BARBEAU 27370 SEAL
01/02/2024

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REVISIONS PER WAKE COUNTY COMMENTS	06/24/2022
CONSTRUCTION DOCUMENT SUBMITTAL	07/22/2022
REVISIONS PER CITY OF RALEIGH COMMENTS	09/06/2023
REVISIONS PER CITY OF RALEIGH COMMENTS	09/06/2023
REVISIONS TO APPROVED PLANS	01/02/2024

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

ROLESVILLE CROSSING - CD 21-08

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

PAVEMENT MARKING & SIGNAGE PLAN

JOB NO. 43398
SHEET NO. C2.26

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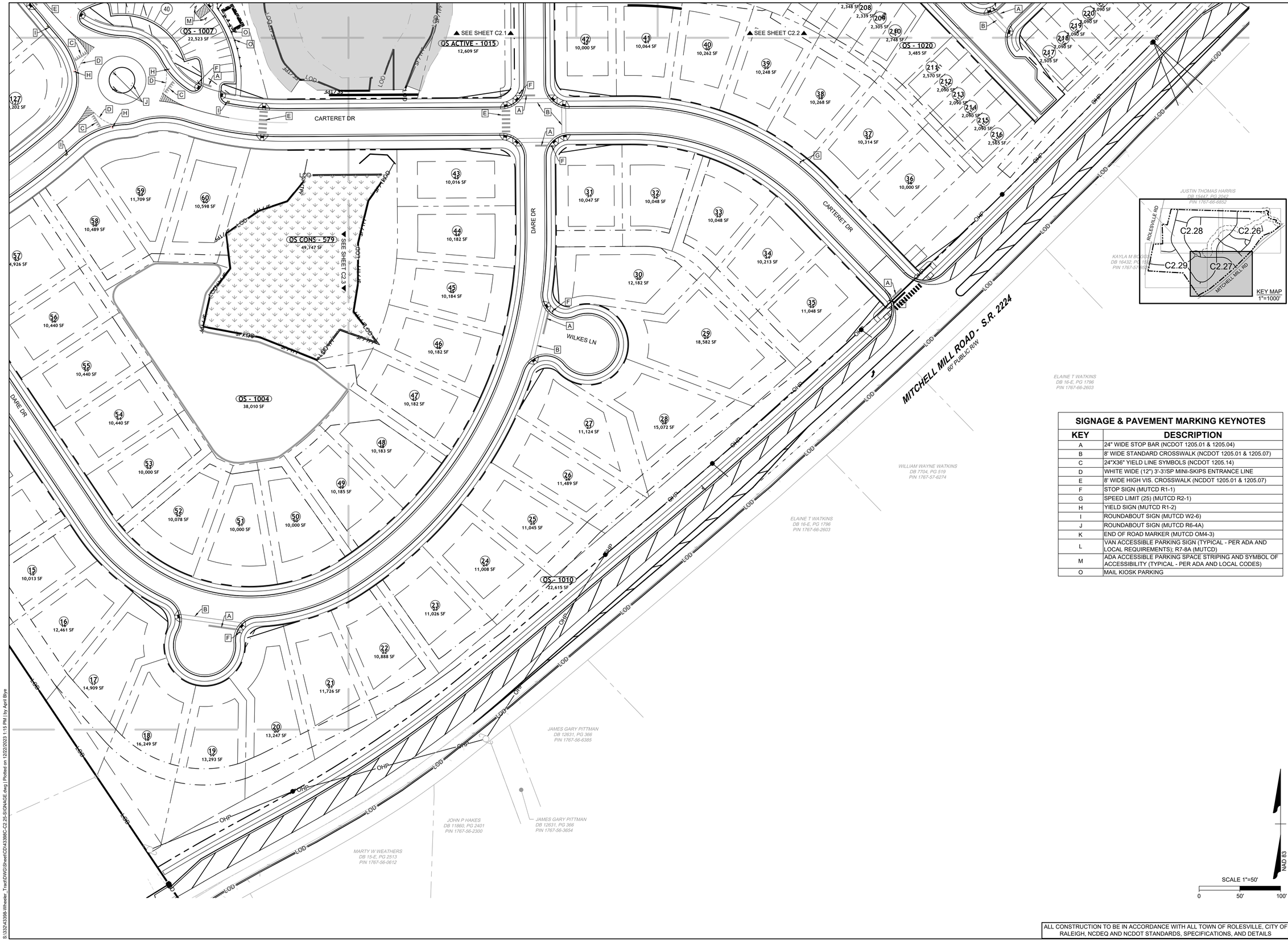

SIGNAGE & PAVEMENT MARKING KEYNOTES

KEY	DESCRIPTION
A	24" WIDE STOP BAR (NCDOT 1205.01 & 1205.04)
B	8' WIDE STANDARD CROSSWALK (NCDOT 1205.01 & 1205.07)
C	24"X36" YIELD LINE SYMBOLS (NCDOT 1205.14)
D	WHITE WIDE (12") 3'-3'/SP MINI-SKIPS ENTRANCE LINE
E	8' WIDE HIGH VIS. CROSSWALK (NCDOT 1205.01 & 1205.07)
F	STOP SIGN (MUTCD R1-1)
G	SPEED LIMIT (25) (MUTCD R2-1)
H	YIELD SIGN (MUTCD R1-2)
I	ROUNDABOUT SIGN (MUTCD W2-6)
J	ROUNDABOUT SIGN (MUTCD R6-4A)
K	END OF ROAD MARKER (MUTCD OM4-3)
L	VAN ACCESSIBLE PARKING SIGN (TYPICAL - PER ADA AND LOCAL REQUIREMENTS); R7-8A (MUTCD)
M	ADA ACCESSIBLE PARKING SPACE STRIPING AND SYMBOL OF ACCESSIBILITY (TYPICAL - PER ADA AND LOCAL CODES)
O	MAIL KIOSK PARKING

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 RICK BARBEAU
01/02/2024

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06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER NCDOT COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

PAVEMENT MARKING & SIGNAGE PLAN

JOB NO.
43398

SHEET NO.
C2.27

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NORTH CAROLINA PROFESSIONAL ENGINEER 27370 RICK J. BARBEAU

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09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

PAVEMENT MARKING & SIGNAGE PLAN

JOB NO.
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SHEET NO.
C2.28

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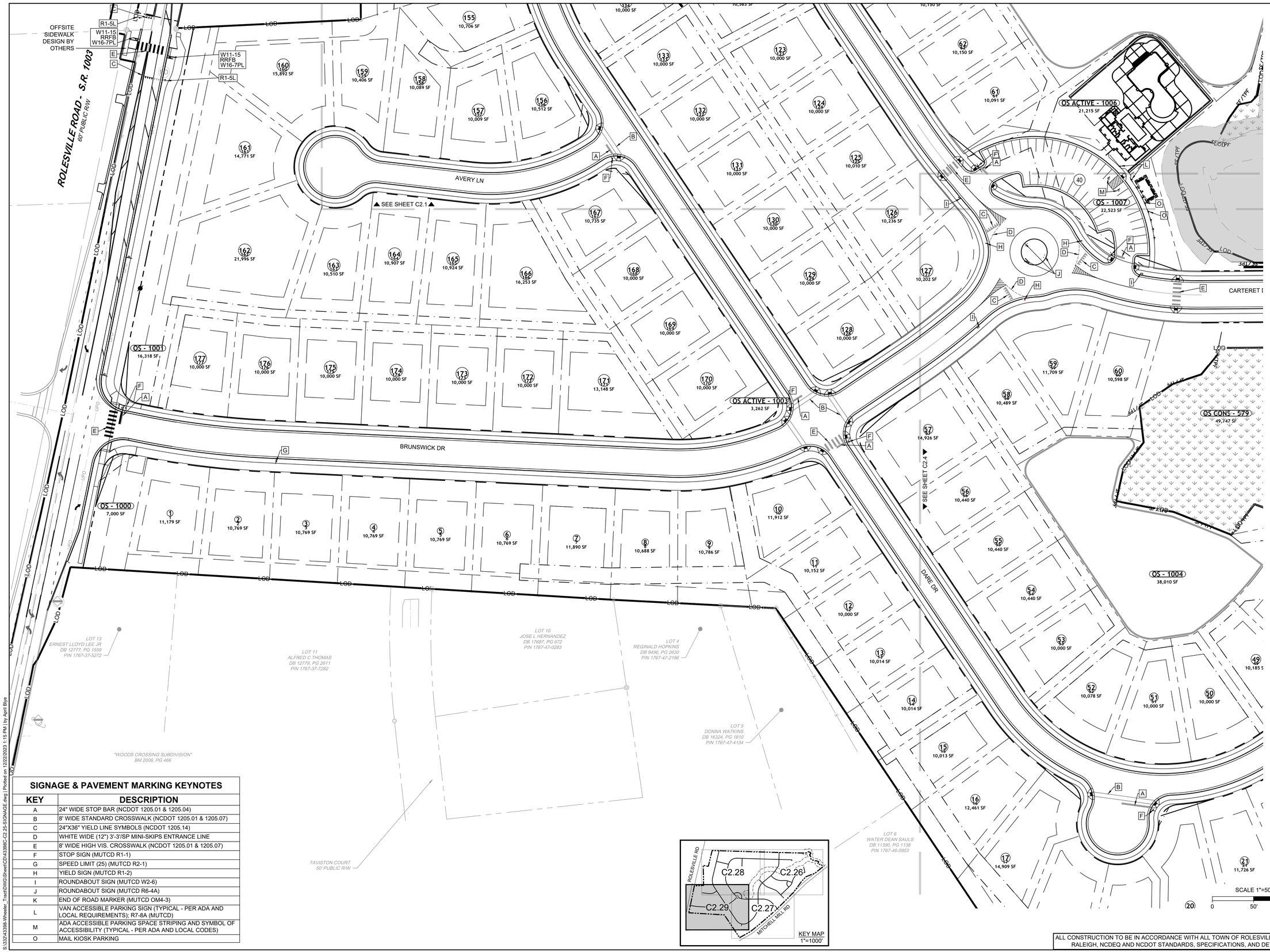

SIGNAGE & PAVEMENT MARKING KEYNOTES

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ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 RICK J. BARBEAU
01/02/2024

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DATE	REVISION DESCRIPTION
06/24/2022	REVISIONS PER WAKE COUNTY COMMENTS
07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
04/06/2023	REVISIONS PER NCDOT COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

PAVEMENT MARKING & SIGNAGE PLAN

JOB NO.
43398

SHEET NO.
C2.29

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GRADING AND STORM DRAINAGE NOTES

1. CONTRACTOR SHALL CALL "NORTH CAROLINA ONE CALL" (811) AT LEAST 3-12 BUSINESS DAYS PRIOR TO DIGGING TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES INVOLVED IN ANY RELATED RELOCATION (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
3. EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. THE CATCH BASINS AND YARD INLETS SHALL BE CONSTRUCTED IN THE LOCATIONS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES IN THE CATCH BASIN ELEVATIONS OR THE PROPOSED PIPE SLOPES TO THE ENGINEER. THE CONTRACTOR IS ALSO RESPONSIBLE TO REPORT ANY CONFLICTS BETWEEN ANY UTILITY, STORM DRAIN LINE, WATER LINE, SEWER LINE OR ANY OTHER PROPOSED OR EXISTING STRUCTURE TO THE ENGINEER.
5. A LAND DISTURBING PERMIT WILL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY LAND-DISTURBING ACTIVITIES.
6. ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, VALVE BOXES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISHED GRADE.
7. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNER'S INDEPENDENT TESTING LABORATORY.
8. ALL SPOT ELEVATIONS INDICATED ARE AT TOP OF CURB UNLESS NOTED OTHERWISE. ALL ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD88.
9. A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED PRIOR TO ANY WORK, GRADING OR INSTALLATION OF EROSION CONTROL MEASURES.
10. ALL HANDICAP PARKING SPACES AND STRIPED ACCESSIBILITY AISLES ARE TO HAVE NO MORE THAN A 1:50 (2.0%) SLOPE IN ALL DIRECTIONS. ALL SIDEWALKS ARE TO HAVE NO MORE THAN A 1:20 (5.0%) SLOPE FOR THE LENGTH OF THE SIDEWALK AND NO MORE THAN A 1:50 (2.0%) SLOPE FOR THE WIDTH OF THE SIDEWALK.
11. CONTRACTOR TO IDENTIFY ALL NECESSARY SPILL CURB SECTION LOCATIONS AND INSTALL TO ENSURE POSITIVE DRAINAGE TO STORM STRUCTURES.
12. IF CONTRACTOR NOTICES ANY DISCREPANCIES IN ANY OF THESE SLOPE REQUIREMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER PRIOR TO POURING ANY CONCRETE SO THAT A SOLUTION CAN BE FOUND.
13. SPOT ELEVATIONS ARE GIVEN AT THE MAJORITY OF THE MAJOR BREAK POINTS BUT IT SHOULD NOT BE ASSUMED THAT ALL NECESSARY SPOT ELEVATIONS ARE SHOWN. DUE TO SPACE LIMITATIONS, THERE MAY BE OTHER CRITICAL SPOTS NOT LABELED THAT SHOULD BE TAKEN INTO CONSIDERATION. THE CONTRACTOR SHALL REVIEW THE GRADING PLAN IN DETAIL AND SHALL ENSURE THAT ALL CRITICAL GRADE POINTS ARE STAKED AND FOLLOWED TO PROVIDE POSITIVE DRAINAGE.
14. EXISTING VEGETATION WITHIN TREE PROTECTIVE AREAS SHALL REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. ANY AND ALL LANDSCAPING AND EXISTING TREES AND SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR USING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR OR THE ENGINEER.
16. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
17. ALL CATCH BASINS MUST BE MARKED "DUMP NO WASTE DRAINS TO STREAM" OR EQUIVALENT.
18. RETAINING WALLS TO BE DESIGNED BY OTHERS' STRUCTURAL ENGINEER.
19. WALLS GREATER THAN 30" IN HEIGHT TO HAVE 42" SAFETY RAIL.

DITCH NAME	TOP WIDTH "A"	MIN. DITCH DEPTH (FT) "B"	BOTTOM WIDTH (FT) "C"	SIDE SLOPE "D"	LINER TYPE & THICKNESS
PDD-1	7 FT	1 FT	1	3:1	North American Green, S75
PDD-2	7.6 FT	1.1 FT	1	3:1	North American Green, S75
PDD-3	8.2 FT	1.2 FT	1	3:1	North American Green, S75
PDD-4	9.6 FT	1.6 FT	0	3:1	North American Green, S75
PDD-5	10 FT	1 FT	0	3:1	North American Green, S75
PDD-6	20 FT	1 FT	0	3:1	North American Green, S75
PDD-7	8 FT	1 FT	1	3:1	North American Green, S75
PDD-8	8.2 FT	1.2 FT	1	3:1	North American Green, S75
PDD-9	10.8 FT	1.4 FT	1	3:1	North American Green, S75
PDD-10	7 FT	1 FT	1	3:1	North American Green, S75
PDD-11	8.2 FT	1.2 FT	1	3:1	North American Green, S75
PDD-12	6 FT	1 FT	0	3:1	North American Green, SC150
PDD-13	7.2 FT	1.2 FT	0	3:1	North American Green, S75
PDD-14	12 FT	1 FT	0	3:1	North American Green, S75
PDD-15	5.6 FT	1.4 FT	0	3:1	North American Green, S150
PDD-16	7.8 FT	1.3 FT	0	3:1	North American Green, S75
PDD-17	9 FT	1 FT	3	3:1	North American Green, S75
PDD-18	6.6 FT	1.1 FT	0	3:1	North American Green, S75
PDD-19	10 FT	1 FT	0	3:1	North American Green, S75
PDD-20	7.2 FT	1.2 FT	0	3:1	North American Green, S75
PDD-21	6 FT	1 FT	0	3:1	North American Green, S75
PDD-22	6 FT	1 FT	0	3:1	North American Green, S75
PDD-23	8.8 FT	1.3 FT	1	3:1	North American Green, SC150
PDD-24	6 FT	1 FT	0	3:1	North American Green, S75
PDD-25	6.6 FT	1.1 FT	0	3:1	North American Green, S150
PDD-26	6 FT	1 FT	0	3:1	North American Green, S75
PDD-27	8.2 FT	1.2 FT	1	3:1	North American Green, S75
PDD-28	6 FT	1 FT	0	3:1	North American Green, S75
PDD-29	6 FT	1 FT	0	3:1	North American Green, S75
PDD-30	6 FT	1 FT	0	3:1	North American Green, S75

REFER TO SHEETS C3.1-C3.4 FOR LOCATIONS OF PERMANENT DITCHES.

SCALE 1"=50'
0 50' 100'
NAD 83

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 BRIAN K. BARBEAU
01/02/2024

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DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

OVERALL GRADING AND DRAINAGE PLAN

JOB NO. 43398
SHEET NO. C3.0

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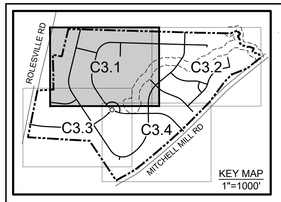
S:\43243398-Wheeler_Tract\DWG\Sheet\CD\43398C-C3.0-GRAD.dwg | Plotted on 12/22/2023 1:16 PM | by April Blye



KEY MAP
1"=1000'

GENERAL NOTES:

1. REFER TO OVERALL GRADING PLAN SHEET FOR GRADING PLAN NOTES.
2. REFER TO PERMANENT DITCH TABLE ON SHEET C3.0 FOR SIZE AND LINER SPECIFICATIONS.

CHARLES T. CLARK AND WIFE PATRICIA H. CLARK DB 4572, PG 246 PIN 1767-38-9815

SLAB TOP INLET (TYP.)
CATCH BASIN (TYP.)
20' SSWR EASEMENT
20' PRIVATE DRAINAGE EASEMENT (TYP.)
PERMANENT DIVERSION DITCH, PDD-1
PERMANENT DIVERSION DITCH, PDD-2
PERMANENT DIVERSION DITCH, PDD-3
PERMANENT DIVERSION DITCH, PDD-4
PERMANENT DIVERSION DITCH, PDD-5
PERMANENT DIVERSION DITCH, PDD-6
PERMANENT DIVERSION DITCH, PDD-7
PERMANENT DIVERSION DITCH, PDD-8
PERMANENT DIVERSION DITCH, PDD-9
PERMANENT DIVERSION DITCH, PDD-10
PERMANENT DIVERSION DITCH, PDD-11
PERMANENT DIVERSION DITCH, PDD-22
PRIVATE DRAINAGE EASEMENT (TYP.)
TYP. 12" DEEP V-SWALE
RETAINING WALL; DESIGN BY OTHERS
STORMWATER CONTROL MEASURE "1" (WET POND)
STORMWATER CONTROL MEASURE "4" (WET POND)
SCM 1 RISER
SCM 4 RISER
CLASS 1 RIPRAP 15'L x 21'W x 18"D
CLASS 1 RIPRAP 24'L x 12'W x 18"D
SEE SHEET C3.3
SEE SHEET C3.4
SF / TPF
SCALE 1"=50'
NAD 83

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER P. BARBEAU 27970
01/02/2024

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DATE
09/17/2021
DRAWN BY
R. WINGATE
DESIGNED BY
P. BARBEAU
CHECKED BY
P. BARBEAU
SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

GRADING AND DRAINAGE PLAN

JOB NO.
43398
SHEET NO.
C3.1

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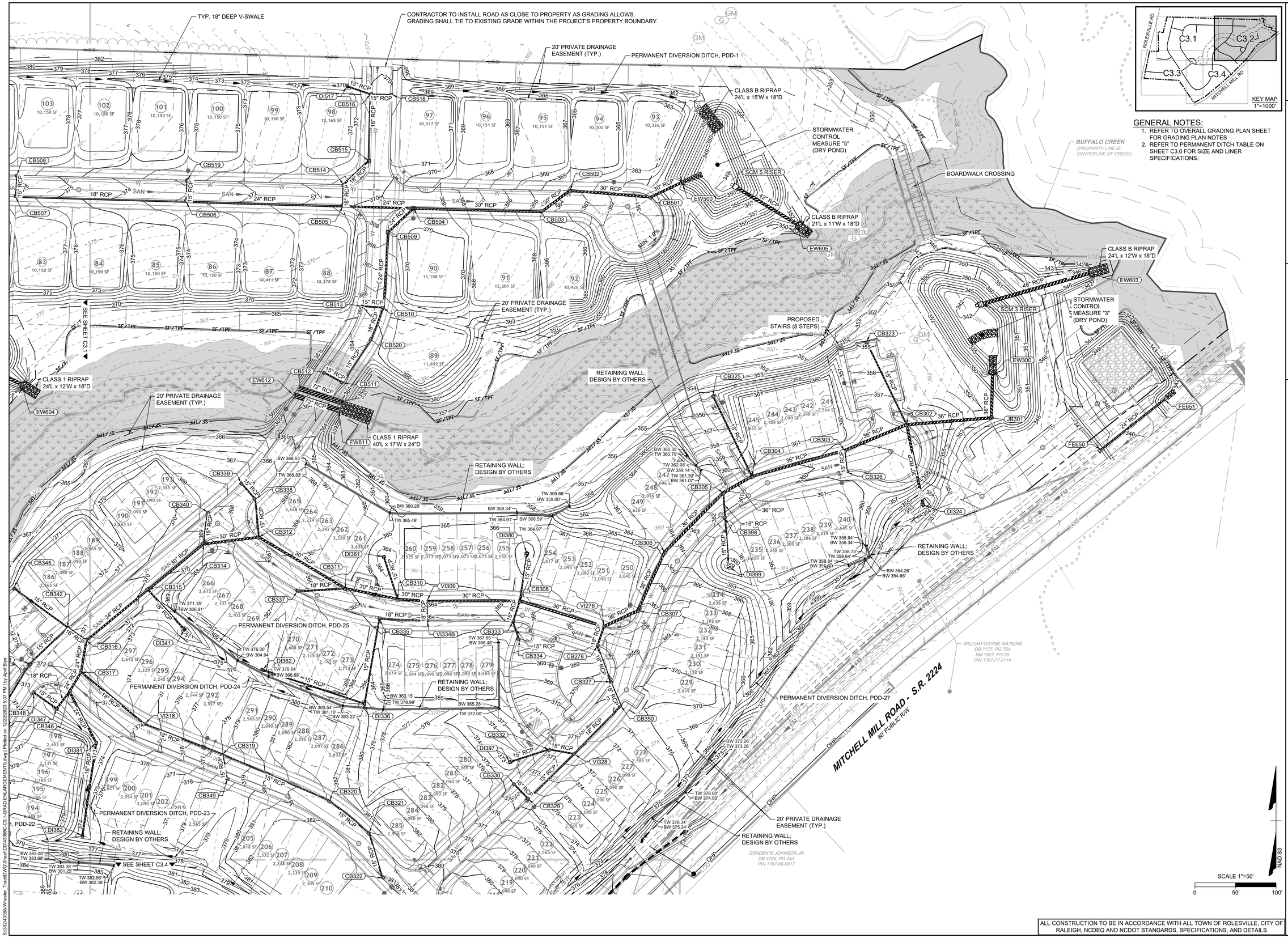

KEY MAP
1"=1000'

GENERAL NOTES:

1. REFER TO OVERALL GRADING PLAN SHEET FOR GRADING PLAN NOTES
2. REFER TO PERMANENT DITCH TABLE ON SHEET C3.0 FOR SIZE AND LINER SPECIFICATIONS.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 RICK BARBEAU

01/02/2024

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DATE: 09/17/2021

DRAWN BY: R. WINGATE

DESIGNED BY: P. BARBEAU

CHECKED BY: P. BARBEAU

SCALE: AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

GRADING AND DRAINAGE PLAN

JOB NO. 43398

SHEET NO. C3.2

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GENERAL NOTES:

1. REFER TO OVERALL GRADING PLAN SHEET FOR GRADING OF PERMANENT DITCH TABLE ON SHEET C3.0 FOR SIZE AND LINER SPECIFICATIONS.
2. REFER TO PERMANENT DITCH TABLE ON SHEET C3.0 FOR SIZE AND LINER SPECIFICATIONS.

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NORTH CAROLINA LICENSE NO. C-1652

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ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

GRADING AND DRAINAGE PLAN

JOB NO.	SHEET NO.	SCALE	CHECKED BY	DESIGNED BY	DRAWN BY	DATE
43398	C3.3	AS SHOWN	P. BARBEAU	P. BARBEAU	R. WINGATE	09/17/2021

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PROFESSIONAL ENGINEER SEAL 040181 NORTH CAROLINA
01/02/2024

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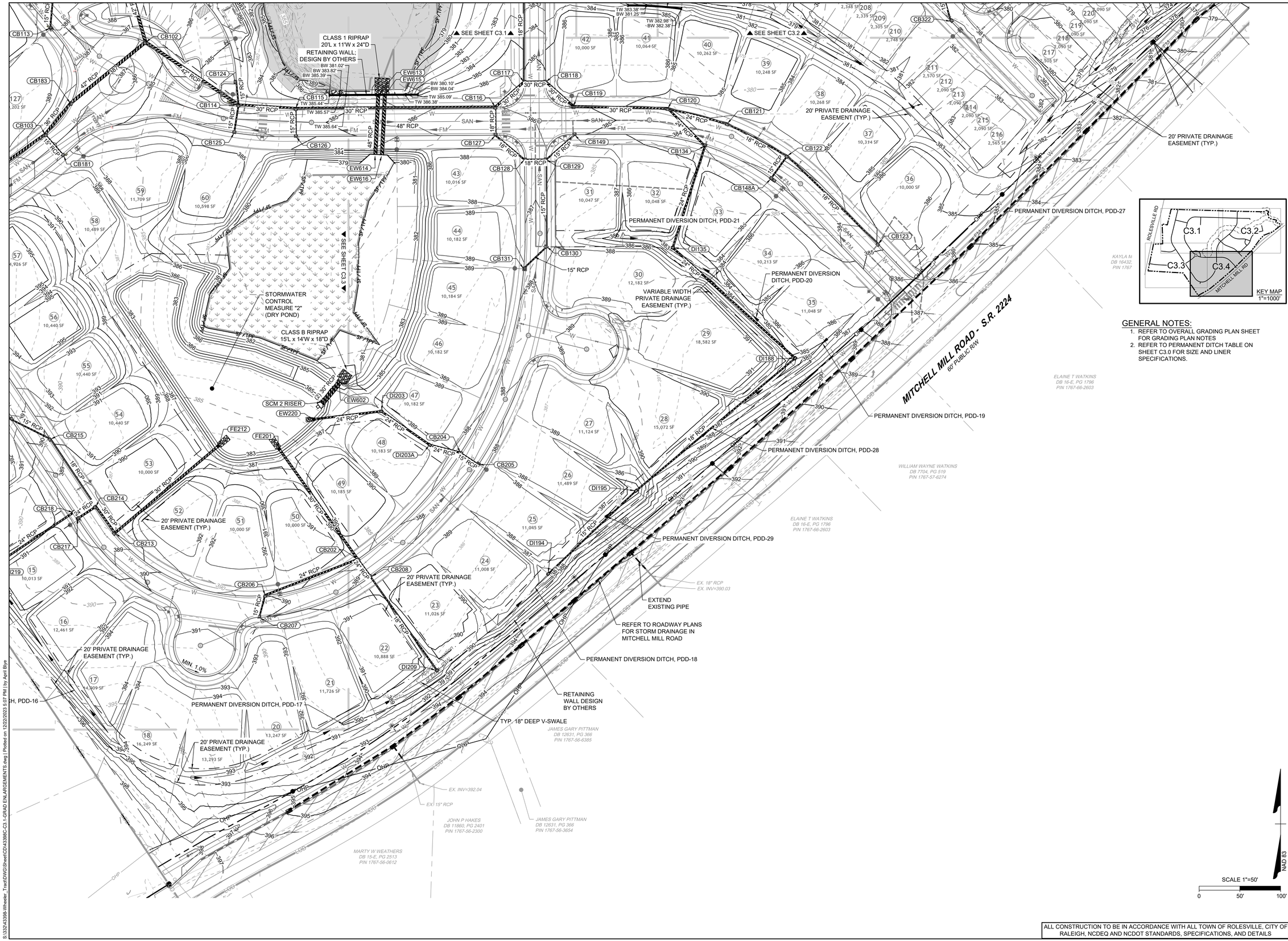

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DESIGNED BY	P. BARBEAU
CHECKED BY	P. BARBEAU
SCALE	AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

GRADING AND DRAINAGE PLAN

JOB NO.	43398
SHEET NO.	C3.4

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STORM STRUCTURE TABLE

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB101	387.82'	370.75' (42" RCP FROM CB102) 375.00' (15" RCP FROM CB112)	370.65' (48" RCP TO EW100)	NCDOT 840.02 CONCRETE CATCH BASIN
CB102	386.25'	371.50' (42" RCP FROM CB183) 371.30' (42" RCP FROM CB114)	371.24' (42" RCP TO CB101)	NCDOT 840.02 CONCRETE CATCH BASIN
CB103	387.22'	375.06' (36" RCP FROM CB104) 381.32' (15" RCP FROM CB181)	374.96' (36" RCP TO CB183)	NCDOT 840.02 CONCRETE CATCH BASIN
CB104	392.16'	376.20' (30" RCP FROM CB105) 385.00' (24" RCP FROM CB136)	376.10' (36" RCP TO CB103)	NCDOT 840.02 CONCRETE CATCH BASIN
CB105	392.54'	376.55' (30" RCP FROM CB106) 385.10' (15" RCP FROM CB139)	376.45' (30" RCP TO CB104)	NCDOT 840.02 CONCRETE CATCH BASIN
CB106	394.42'	377.05' (30" RCP FROM CB107)	376.95' (30" RCP TO CB105)	NCDOT 840.02 CONCRETE CATCH BASIN
CB107	396.68'	377.81' (30" RCP FROM CB108) 383.00' (18" RCP FROM DI141)	377.71' (30" RCP TO CB106)	NCDOT 840.02 CONCRETE CATCH BASIN
CB108	397.75'	389.50' (15" RCP FROM CB144) 378.43' (24" RCP FROM CB109)	378.33' (30" RCP TO CB107)	NCDOT 840.02 CONCRETE CATCH BASIN
CB109	393.12'	380.88' (24" RCP FROM CB110) 385.91' (15" RCP FROM CB146)	380.78' (24" RCP TO CB108)	NCDOT 840.02 CONCRETE CATCH BASIN
CB110	386.73'	382.20' (18" RCP FROM DI111) 382.00' (15" RCP FROM CB147) 381.90' (18" RCP FROM CB182)	381.80' (24" RCP TO CB109)	NCDOT 840.02 CONCRETE CATCH BASIN
CB112	389.02'	377.50' (15" RCP FROM CB113)	377.30' (15" RCP TO CB101)	NCDOT 840.02 CONCRETE CATCH BASIN
CB113	388.52'		378.00' (15" RCP TO CB112)	NCDOT 840.02 CONCRETE CATCH BASIN
CB114	384.27'	372.10' (30" RCP FROM CB115) 378.00' (15" RCP FROM CB124) 377.50' (15" RCP FROM CB125)	371.98' (42" RCP TO CB102)	NCDOT 840.02 CONCRETE CATCH BASIN
CB115	384.75'	372.65' (30" RCP FROM CB116) 378.50' (15" RCP FROM CB126)	372.51' (30" RCP TO CB114)	NCDOT 840.02 CONCRETE CATCH BASIN
CB116	386.55'	374.00' (30" RCP FROM CB117) 377.32' (18" RCP FROM CB127)	373.90' (30" RCP TO CB115)	NCDOT 840.02 CONCRETE CATCH BASIN
CB117	385.70'	375.80' (30" RCP FROM CB118) 376.00' (18" RCP FROM CB132)	374.25' (30" RCP TO CB116)	NCDOT 840.02 CONCRETE CATCH BASIN
CB118	385.70'	376.25' (30" RCP FROM CB119)	376.00' (30" RCP TO CB117)	NCDOT 840.02 CONCRETE CATCH BASIN
CB119	385.64'	376.60' (30" RCP FROM CB120)	376.60' (30" RCP TO CB118)	NCDOT 840.02 CONCRETE CATCH BASIN
CB120	384.51'	377.37' (24" RCP FROM CB121) 377.70' (24" RCP FROM CB134)	377.37' (30" RCP TO CB119)	NCDOT 840.02 CONCRETE CATCH BASIN
CB121	383.79'	377.84' (18" RCP FROM CB122)	377.84' (24" RCP TO CB120)	NCDOT 840.02 CONCRETE CATCH BASIN
CB122	383.33'	378.70' (18" RCP FROM CB123) 379.41' (15" RCP FROM CB148A)	378.50' (18" RCP TO CB121)	NCDOT 840.02 CONCRETE CATCH BASIN
CB123	385.17'		380.00' (18" RCP TO CB122)	NCDOT 840.02 CONCRETE CATCH BASIN
CB124	384.12'		379.41' (15" RCP TO CB114)	NCDOT 840.02 CONCRETE CATCH BASIN
CB125	384.27'		379.38' (15" RCP TO CB114)	NCDOT 840.02 CONCRETE CATCH BASIN
CB126	384.75'		379.00' (15" RCP TO CB115)	NCDOT 840.02 CONCRETE CATCH BASIN
CB127	386.55'	377.63' (18" RCP FROM CB128)	377.53' (18" RCP TO CB116)	NCDOT 840.02 CONCRETE CATCH BASIN
CB128	386.69'	378.50' (18" RCP FROM CB129)	378.30' (18" RCP TO CB127)	NCDOT 840.02 CONCRETE CATCH BASIN
CB129	386.69'	378.90' (15" RCP FROM CB130) 379.85' (15" RCP FROM CB149)	378.80' (18" RCP TO CB128)	NCDOT 840.02 CONCRETE CATCH BASIN
CB130	387.79'	381.50' (15" RCP FROM CB131)	381.30' (15" RCP TO CB129)	NCDOT 840.02 CONCRETE CATCH BASIN
CB131	388.08'		382.12' (15" RCP TO CB130)	NCDOT 840.02 CONCRETE CATCH BASIN
CB132	382.27'	377.30' (15" RCP FROM CB133)	377.00' (18" RCP TO CB117)	NCDOT 840.02 CONCRETE CATCH BASIN
CB133	382.19'		377.70' (15" RCP TO CB132)	NCDOT 840.02 CONCRETE CATCH BASIN
CB134	383.96'	378.15' (24" RCP FROM DI135)	378.15' (24" RCP TO CB120)	NCDOT 840.02 CONCRETE CATCH BASIN
CB136	392.15'	385.31' (18" RCP FROM CB137)	385.21' (24" RCP TO CB104)	NCDOT 840.02 CONCRETE CATCH BASIN
CB137	394.19'	386.14' (15" RCP FROM CB138)	385.94' (18" RCP TO CB136)	NCDOT 840.02 CONCRETE CATCH BASIN
CB138	394.33'	386.75' (15" RCP FROM CB190)	386.55' (15" RCP TO CB137)	NCDOT 840.02 CONCRETE CATCH BASIN
CB139	391.90'	386.03' (15" RCP FROM CB140)	385.93' (15" RCP TO CB105)	NCDOT 840.02 CONCRETE CATCH BASIN
CB140	391.90'		387.00' (15" RCP TO CB139)	NCDOT 840.02 CONCRETE CATCH BASIN
CB144	397.75'		390.50' (15" RCP TO CB108)	NCDOT 840.02 CONCRETE CATCH BASIN
CB146	392.43'		388.00' (15" RCP TO CB109)	NCDOT 840.02 CONCRETE CATCH BASIN
CB147	386.36'		382.65' (15" RCP TO CB110)	NCDOT 840.02 CONCRETE CATCH BASIN
CB148A	383.33'	379.80' (15" RCP FROM CB148B)	379.75' (15" RCP TO CB122)	NCDOT 840.02 CONCRETE CATCH BASIN
CB148B	383.34'		379.90' (15" RCP TO CB148A)	NCDOT 840.02 CONCRETE CATCH BASIN
CB149	385.63'		380.31' (15" RCP TO CB129)	NCDOT 840.02 CONCRETE CATCH BASIN
CB150	382.85'	372.90' (30" RCP FROM CB151) 377.50' (15" RCP FROM CB162)	372.80' (30" RCP TO DI149)	NCDOT 840.02 CONCRETE CATCH BASIN
CB151	383.50'	373.30' (30" RCP FROM CB152)	373.20' (30" RCP TO CB150)	NCDOT 840.02 CONCRETE CATCH BASIN
CB152	385.99'	375.54' (30" RCP FROM DI153) 380.30' (15" RCP FROM CB164)	375.40' (30" RCP TO CB151)	NCDOT 840.02 CONCRETE CATCH BASIN
CB155	389.98'	378.50' (24" RCP FROM CB156)	378.30' (30" RCP TO DI154)	NCDOT 840.02 CONCRETE CATCH BASIN
CB156	389.83'	379.00' (24" RCP FROM CB157)	378.80' (24" RCP TO CB155)	NCDOT 840.02 CONCRETE CATCH BASIN
CB157	389.83'	383.00' (18" RCP FROM CB158) 382.00' (15" RCP FROM CB180)	379.40' (24" RCP TO CB156)	NCDOT 840.02 CONCRETE CATCH BASIN

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB158	389.61'	385.29' (18" RCP FROM CB159) 385.70' (15" RCP FROM CB168)	385.00' (18" RCP TO CB157)	NCDOT 840.02 CONCRETE CATCH BASIN
CB159	390.81'	386.70' (15" RCP FROM CB160) 386.90' (15" RCP FROM CB170)	386.50' (18" RCP TO CB158)	NCDOT 840.02 CONCRETE CATCH BASIN
CB160	394.36'	390.50' (15" RCP FROM CB161)	390.30' (15" RCP TO CB159)	NCDOT 840.02 CONCRETE CATCH BASIN
CB161	394.36'		390.76' (15" RCP TO CB160)	NCDOT 840.02 CONCRETE CATCH BASIN
CB162	382.26'	377.90' (15" RCP FROM DI163)	377.80' (15" RCP TO CB150)	NCDOT 840.02 CONCRETE CATCH BASIN
CB164	387.46'	382.70' (15" RCP FROM CB165)	380.74' (15" RCP TO CB152)	NCDOT 840.02 CONCRETE CATCH BASIN
CB165	388.33'		385.00' (15" RCP TO CB164)	NCDOT 840.02 CONCRETE CATCH BASIN
CB166	390.71'	384.20' (15" RCP FROM DI167)	384.00' (15" RCP TO CB180)	NCDOT 840.02 CONCRETE CATCH BASIN
CB168	389.61'	386.00' (15" RCP FROM CB169)	385.90' (15" RCP TO CB158)	NCDOT 840.02 CONCRETE CATCH BASIN
CB169	391.29'		386.76' (15" RCP TO CB168)	NCDOT 840.02 CONCRETE CATCH BASIN
CB170	390.81'		387.10' (15" RCP TO CB159)	NCDOT 840.02 CONCRETE CATCH BASIN
CB180	390.27'	383.20' (15" RCP FROM CB166)	383.00' (15" RCP TO CB157)	NCDOT 840.02 CONCRETE CATCH BASIN
CB181	387.21'		383.00' (15" RCP TO CB103)	NCDOT 840.02 CONCRETE CATCH BASIN
CB182	385.98'		382.20' (18" RCP TO CB110)	NCDOT 840.02 CONCRETE CATCH BASIN
CB183	386.74'	373.20' (36" RCP FROM CB103)	373.00' (42" RCP TO CB102)	NCDOT 840.02 CONCRETE CATCH BASIN
CB190	395.70'	387.56' (15" RCP FROM DI192)	387.56' (15" RCP TO CB138)	NCDOT 840.02 CONCRETE CATCH BASIN
DI111	387.17'		384.00' (18" RCP TO CB110)	36" X 36" SLAB TOP YARD INLET
DI135	382.00'	378.94' (24" RCP FROM DI188)	378.84' (24" RCP TO CB134)	36" X 36" SLAB TOP YARD INLET
DI141	390.91'	384.20' (18" RCP FROM DI142)	384.00' (18" RCP TO CB107)	36" X 36" SLAB TOP YARD INLET
DI142	391.26'	385.20' (18" RCP FROM DI143) 386.00' (18" RCP FROM DI143A)	385.00' (18" RCP TO DI141)	36" X 36" SLAB TOP YARD INLET
DI143	388.42'		385.80' (18" RCP TO DI142)	36" X 36" SLAB TOP YARD INLET
DI143A	389.14'		386.50' (18" RCP TO DI142)	36" X 36" SLAB TOP YARD INLET
DI149	378.86'	371.10' (30" RCP FROM CB150)	371.00' (48" RCP TO EW148)	60" X 60" SLAB TOP YARD INLET
DI153	382.56'	376.63' (30" RCP FROM DI154)	376.50' (30" RCP TO CB152)	36" X 36" SLAB TOP YARD INLET
DI154	383.86'	377.34' (30" RCP FROM CB155)	377.10' (30" RCP TO DI153)	36" X 36" SLAB TOP YARD INLET
DI163	381.91'		378.60' (15" RCP TO CB162)	36" X 36" SLAB TOP YARD INLET
DI167	388.91'		384.76' (15" RCP TO CB166)	36" X 36" SLAB TOP YARD INLET
DI188	384.27'	380.30' (18" RCP FROM DI195)	380.10' (24" RCP TO DI135)	36" X 36" SLAB TOP YARD INLET
DI192	392.26'	388.60' (15" RCP FROM DI193)	388.40' (15" RCP TO CB190)	36" X 36" SLAB TOP YARD INLET
DI193	393.48'		390.75' (15" RCP TO DI192)	36" X 36" SLAB TOP YARD INLET
DI194	385.64'		383.10' (15" RCP TO DI195)	36" X 36" SLAB TOP YARD INLET
DI195	384.05'	381.90' (15" RCP FROM DI194)	381.80' (18" RCP TO DI188)	36" X 36" SLAB TOP YARD INLET
EW100	374.50'	370.00' (48" RCP FROM CB101)		NCDOT 838.80 CONCRETE ENDWALL
EW148	374.50'	370.00' (48" RCP FROM DI149)		NCDOT 838.80 CONCRETE ENDWALL

STORM STRUCTURE TABLE

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB202	389.19'	384.40' (24" RCP FROM CB206) 384.20' (24" RCP FROM CB208)	383.75' (30" RCP TO FE201)	NCDOT 840.02 CONCRETE CATCH BASIN
CB204	387.81'	384.36' (15" RCP FROM CB205)	384.16' (24" RCP TO DI203A)	NCDOT 840.02 CONCRETE CATCH BASIN
CB205	387.81'		384.50' (15" RCP TO CB204)	NCDOT 840.02 CONCRETE CATCH BASIN
CB206	390.49'	385.30' (15" RCP FROM CB207)	385.10' (24" RCP TO CB202)	NCDOT 840.02 CONCRETE CATCH BASIN
CB207	390.58'		385.60' (15" RCP TO CB206)	NCDOT 840.02 CONCRETE CATCH BASIN
CB208	389.19'	384.60' (18" RCP FROM DI209)	384.40' (24" RCP TO CB202)	NCDOT 840.02 CONCRETE CATCH BASIN
CB213	388.97'	384.30' (30" RCP FROM CB214)	384.10' (30" RCP TO FE212)	NCDOT 840.02 CONCRETE CATCH BASIN
CB214	388.79'	384.60' (18" RCP FROM CB215) 384.60' (24" RCP FROM CB217)	384.50' (30" RCP TO CB213)	NCDOT 840.02 CONCRETE CATCH BASIN
CB215	390.18'	385.25' (15" RCP FROM CB216)	385.15' (18" RCP TO CB214)	NCDOT 840.02 CONCRETE CATCH BASIN
CB216	391.32'		387.62' (15" RCP TO CB215)	NCDOT 840.02 CONCRETE CATCH BASIN
CB217	388.67'	384.85' (24" RCP FROM CB218)	384.75' (24" RCP TO CB214)	NCDOT 840.02 CONCRETE CATCH BASIN
CB218	388.70'	385.00' (24" RCP FROM DI219)	384.90' (24" RCP TO CB217)	NCDOT 840.02 CONCRETE CATCH BASIN
DI203	387.24'	383.50' (24" RCP FROM DI203A)	383.40' (24" RCP TO EW220)	36" X 36" SLAB TOP YARD INLET
DI203A	388.55'	383.95' (24" RCP FROM CB204)	383.85' (24" RCP TO DI203)	36" X 36" SLAB TOP YARD INLET
DI209	388.00'		385.40' (18" RCP TO CB208)	36" X 36" SLAB TOP YARD INLET
DI219	388.46'		385.70' (24" RCP TO CB218)	36" X 36" SLAB TOP YARD INLET
EW220	385.25'	383.00' (24" RCP FROM DI203)		NCDOT 838.80 CONCRETE ENDWALL
FE201	N/A	383.20' (30" RCP FROM CB202)		FLARED END SECTION
FE212	N/A	383.00' (30" RCP FROM CB213)		FLARED END SECTION

STORM STRUCTURE TABLE

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB278	368.07'	360.69' (18" RCP FROM CB327)	360.19' (18" RCP TO VI276)	NCDOT 840.02 CONCRETE CATCH BASIN
CB302	358.15'	348.90' (36" RCP FROM CB303) 350.87' (15" RCP FROM CB323) 347.92' (30" RCP FROM DI324)	347.72' (36" RCP TO JB301)	NCDOT 840.02 CONCRETE CATCH BASIN
CB303	359.79'	349.51' (36" RCP FROM CB304) 351.00' (15" RCP FROM CB326)	349.40' (36" RCP TO CB302)	NCDOT 840.02 CONCRETE CATCH BASIN
CB304	360.95'	353.00' (36" RCP FROM CB305) 351.62' (15" RCP FROM CB325)	350.22' (36" RCP TO CB303)	NCDOT 840.02 CONCRETE CATCH BASIN
CB305	361.55'	354.00' (36" RCP FROM CB306) 355.80' (15" RCP FROM CB398)	353.80' (36" RCP TO CB304)	NCDOT 840.02 CONCRETE CATCH BASIN
CB306	364.83'	356.19' (36" RCP FROM CB307)	356.09' (36" RCP TO CB305)	NCDOT 840.02 CONCRETE CATCH BASIN
CB307	367.74'	356.77' (36" RCP FROM VI276)	356.67' (36" RCP TO CB306)	NCDOT 840.02 CONCRETE CATCH BASIN
CB308	365.81'	357.89' (30" RCP FROM VI309) 361.20' (15" RCP FROM CB333) 361.00' (15" RCP FROM DI380)	357.79' (36" RCP TO VI276)	NCDOT 840.02 CONCRETE CATCH BASIN
CB310	364.51'	359.20' (30" RCP FROM CB311) 359.20' (15" RCP FROM DI361)	359.00' (30" RCP TO VI309)	NCDOT 840.02 CONCRETE CATCH BASIN
CB311	365.57'	361.20' (30" RCP FROM CB312) 361.90' (18" RCP FROM CB337)	361.00' (30" RCP TO CB310)	NCDOT 840.02 CONCRETE CATCH BASIN
CB312	367.67'	362.40' (30" RCP FROM CB314) 363.53' (15" RCP FROM CB338)	362.20' (30" RCP TO CB311)	NCDOT 840.02 CONCRETE CATCH BASIN
CB314	369.34'	363.16' (30" RCP FROM CB315) 364.70' (15" RCP FROM CB340)	362.82' (30" RCP TO CB312)	NCDOT 840.02 CONCRETE CATCH BASIN
CB315	370.31'	363.90' (24" RCP FROM CB316) 364.91' (18" RCP FROM DI341)	363.69' (30" RCP TO CB314)	NCDOT 840.02 CONCRETE CATCH BASIN
CB316	371.29'	365.20' (24" RCP FROM CB317) 367.00' (18" RCP FROM CB342)	365.00' (24" RCP TO CB315)	NCDOT 840.02 CONCRETE CATCH BASIN
CB317	372.50'	366.20' (18" RCP FROM VI318) 368.10' (24" RCP FROM CB346)	366.00' (24" RCP TO CB316)	NCDOT 840.02 CONCRETE CATCH BASIN
CB319	377.98'	372.70' (15" RCP FROM CB320) 374.10' (15" RCP FROM CB349)	372.50' (18" RCP TO VI318)	NCDOT 840.02 CONCRETE CATCH BASIN
CB320	382.05'	375.20' (15" RCP FROM CB321)	375.00' (15" RCP TO CB319)	NCDOT 840.02 CONCRETE CATCH BASIN
CB321	381.98'	376.20' (15" RCP FROM CB322)	376.00' (15" RCP TO CB320)	NCDOT 840.02 CONCRETE CATCH BASIN
CB322	381.40'		376.70' (15" RCP TO CB321)	NCDOT 840.02 CONCRETE CATCH BASIN
CB323	355.26'		351.75' (15" RCP TO CB302)	NCDOT 840.02 CONCRETE CATCH BASIN
CB325	355.50'		352.20' (15" RCP TO CB304)	NCDOT 840.02 CONCRETE CATCH BASIN
CB326	359.82'		353.00' (15" RCP TO CB303)	NCDOT 840.02 CONCRETE CATCH BASIN
CB327	370.06'	362.00' (18" RCP FROM CB350)	361.80' (18" RCP TO CB278)	NCDOT 840.02 CONCRETE CATCH BASIN
CB329	374.53'	369.20' (15" RCP FROM CB330)	369.00' (15" RCP TO VI328)	NCDOT 840.02 CONCRETE CATCH BASIN
CB330	374.53'		370.00' (15" RCP TO CB329)	NCDOT 840.02 CONCRETE CATCH BASIN
CB332	372.16'	367.00' (15" RCP FROM DI397)	367.00' (15" RCP TO VI328)	NCDOT 840.02 CONCRETE CATCH BASIN
CB333	365.69'	361.70' (15" RCP FROM CB334)	361.50' (15" RCP TO CB308)	NCDOT 840.02 CONCRETE CATCH BASIN
CB334	366.62'		362.20' (15" RCP TO CB333)	NCDOT 840.02 CONCRETE CATCH BASIN
CB335	364.75'	360.15' (15" RCP FROM DI336)	360.05' (18" RCP TO VI334A)	NCDOT 840.02 CONCRETE CATCH BASIN
CB337	366.44'		362.40' (18" RCP TO CB311)	NCDOT 840.02 CONCRETE CATCH BASIN
CB338	367.52'	364.00' (15" RCP FROM CB339)	363.80' (15" RCP TO CB312)	NCDOT 840.02 CONCRETE CATCH BASIN
CB339	367.47'		364.18' (15" RCP TO CB338)	NCDOT 840.02 CONCRETE CATCH BASIN
CB340	368.72'		365.01' (15" RCP TO CB314)	NCDOT 840.02 CONCRETE CATCH BASIN
CB342	371.37'	367.90' (15" RCP FROM CB343) 367.30' (15" RCP FROM CB345)	367.20' (18" RCP TO CB316)	NCDOT 840.02 CONCRETE CATCH BASIN
CB343	372.50'	368.50' (15" RCP FROM CB344)	368.30' (15" RCP TO CB342)	NCDOT 840.02 CONCRETE CATCH BASIN
CB344	377.43'		370.68' (15" RCP TO CB343)	NCDOT 840.02 CONCRETE CATCH BASIN
CB345	370.84'		367.90' (15" RCP TO CB342)	NCDOT 840.02 CONCRETE CATCH BASIN
CB346	372.68'	368.50' (18" RCP FROM DI347) 368.60' (24" RCP FROM DI381)	368.40' (24" RCP TO CB317)	NCDOT 840.02 CONCRETE CATCH BASIN
CB348	373.27'		369.95' (15" RCP TO DI347)	NCDOT 840.02 CONCRETE CATCH BASIN
CB349	378.56'		374.70' (15" RCP TO CB319)	NCDOT 840.02 CONCRETE CATCH BASIN
CB350	370.28'	363.20' (18" RCP FROM VI328)	363.00' (18" RCP TO CB327)	NCDOT 840.02 CONCRETE CATCH BASIN
CB398	361.94'	356.07' (15" RCP FROM DI399)	355.97' (15" RCP TO CB305)	NCDOT 840.02 CONCRETE CATCH BASIN
DI324	351.96'		348.52' (30" RCP TO CB302)	36" X 36" SLAB TOP YARD INLET
DI336	362.83'	360.95' (15" RCP FROM DI362)	360.75' (15" RCP TO CB335)	36" X 36" SLAB TOP YARD INLET
DI341	369.88'		365.89' (18" RCP TO CB315)	36" X 36" SLAB TOP YARD INLET
DI347	371.27'	368.80' (15" RCP FROM CB348)	368.70' (18" RCP TO CB346)	36" X 36" SLAB TOP YARD INLET
DI361	363.02'		359.90' (15" RCP TO CB310)	36" X 36" SLAB TOP YARD INLET
DI362	364.00'		361.90' (15" RCP TO DI336)	36" X 36" SLAB TOP YARD INLET
DI380	363.91'		361.80' (15" RCP TO CB308)	36" X 36" SLAB TOP YARD INLET
DI381	372.55'	369.20' (18" RCP FROM DI382)	369.10' (24" RCP TO CB346)	36" X 36" SLAB TOP YARD INLET

NOTES:
1. TOP REFERS TO:
   1.1. CATCH BASIN: TOP OF CURB
   1.2. YARD INLET: SILL
   1.3. VALLEY GUTTER INLET: FLOW LINE

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 P. BARBEAU
01/02/2024

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REVISION DESCRIPTION
REVISIONS PER WAKE COUNTY COMMENTS
CONSTRUCTION DOCUMENT SUBMITTAL
REVISIONS PER WAKE COUNTY COMMENTS
REVISIONS PER CITY OF RALEIGH COMMENTS
REVISIONS TO APPROVED PLANS

DATE
06/24/2022
07/22/2022
09/06/2023
01/02/2024

DATE
09/17/2021
DRAWN BY
R. WINGATE
DESIGNED BY
P. BARBEAU
CHECKED BY
P. BARBEAU
SCALE
AS SHOWN

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ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
STORM SEWER TABLES

JOB NO.
43398
SHEET NO.
C3.5

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STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
DI382	373.19'		370.30' (18" RCP TO DI381)	36" X 36" SLAB TOP YARD INLET
DI397	372.50'		367.80' (15" RCP TO CB332)	36" X 36" SLAB TOP YARD INLET
DI399	359.00'		356.60' (15" RCP TO CB398)	36" X 36" SLAB TOP YARD INLET
EW300	348.42'	345.00' (36" RCP FROM JB301)		NCDOT 838.80 CONCRETE ENDWALL
JB301	351.42'	346.12' (36" RCP FROM CB302)	345.80' (36" RCP TO EW300)	NCDOT 840.34 TRAFFIC BEARING JUNCTION BOX
VI276	367.62'	357.14' (36" RCP FROM CB308) 359.98' (18" RCP FROM CB278)	357.04' (36" RCP TO CB307)	VALLEY GUTTER INLET
VI309	363.89'	358.71' (30" RCP FROM CB310) 359.40' (18" RCP FROM VI334B)	358.61' (30" RCP TO CB308)	VALLEY GUTTER INLET
VI318	373.98'	368.20' (18" RCP FROM CB319)	368.00' (18" RCP TO CB317)	VALLEY GUTTER INLET
VI328	371.18'	366.20' (15" RCP FROM CB329) 366.20' (15" RCP FROM CB332)	366.00' (18" RCP TO CB350)	VALLEY GUTTER INLET
VI334A	364.27'	359.75' (18" RCP FROM CB335)	359.65' (18" RCP TO VI334B)	VALLEY GUTTER INLET
VI334B	363.89'	359.60' (18" RCP FROM VI334A)	359.55' (18" RCP TO VI309)	VALLEY GUTTER INLET

STORM STRUCTURE TABLE

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB402	382.60'	368.99' (48" RCP FROM CB403) 372.00' (24" RCP FROM CB416)	368.99' (48" RCP TO DI401)	NCDOT 840.02 CONCRETE CATCH BASIN
CB403	381.82'	369.33' (48" RCP FROM CB404)	369.23' (48" RCP TO CB402)	NCDOT 840.02 CONCRETE CATCH BASIN
CB404	382.71'	369.84' (48" RCP FROM DI405)	369.74' (48" RCP TO CB403)	NCDOT 840.02 CONCRETE CATCH BASIN
CB406	381.15'	371.82' (36" RCP FROM CB407) 374.50' (18" RCP FROM CB424) 371.82' (24" RCP FROM CB423)	371.82' (48" RCP TO DI405)	NCDOT 840.02 CONCRETE CATCH BASIN
CB407	381.91'	372.40' (30" RCP FROM CB409)	372.28' (36" RCP TO CB406)	NCDOT 840.02 CONCRETE CATCH BASIN
CB409	381.21'	374.50' (30" RCP FROM CB410) 374.40' (24" RCP FROM CB430)	373.31' (30" RCP TO CB407)	NCDOT 840.02 CONCRETE CATCH BASIN
CB410	384.05'	378.32' (24" RCP FROM CB411) 375.80' (24" RCP FROM CB433)	375.60' (30" RCP TO CB409)	NCDOT 840.02 CONCRETE CATCH BASIN
CB411	385.52'	379.00' (24" RCP FROM CB412)	378.74' (24" RCP TO CB410)	NCDOT 840.02 CONCRETE CATCH BASIN
CB412	385.82'	379.50' (24" RCP FROM CB413)	379.24' (24" RCP TO CB411)	NCDOT 840.02 CONCRETE CATCH BASIN
CB413	387.76'	382.78' (18" RCP FROM CB414) 382.10' (24" RCP FROM DI438) 382.10' (15" RCP FROM CB439)	382.00' (24" RCP TO CB412)	NCDOT 840.02 CONCRETE CATCH BASIN
CB414	389.69'	385.90' (15" RCP FROM CB415)	385.70' (18" RCP TO CB413)	NCDOT 840.02 CONCRETE CATCH BASIN
CB415	389.90'		386.19' (15" RCP TO CB414)	NCDOT 840.02 CONCRETE CATCH BASIN
CB416	383.62'	379.18' (15" RCP FROM CB422) 372.70' (18" RCP FROM CB417)	372.50' (24" RCP TO CB402)	NCDOT 840.02 CONCRETE CATCH BASIN
CB417	384.50'	373.40' (18" RCP FROM CB418)	373.20' (18" RCP TO CB416)	NCDOT 840.02 CONCRETE CATCH BASIN
CB418	384.30'	374.20' (18" RCP FROM CB419)	374.00' (18" RCP TO CB417)	NCDOT 840.02 CONCRETE CATCH BASIN
CB419	384.26'	374.60' (18" RCP FROM CB420)	374.40' (18" RCP TO CB418)	NCDOT 840.02 CONCRETE CATCH BASIN
CB420	380.64'	376.20' (15" RCP FROM CB421)	376.00' (18" RCP TO CB419)	NCDOT 840.02 CONCRETE CATCH BASIN
CB421	380.65'		376.50' (15" RCP TO CB420)	NCDOT 840.02 CONCRETE CATCH BASIN
CB422	383.62'		380.18' (15" RCP TO CB416)	NCDOT 840.02 CONCRETE CATCH BASIN
CB423	380.51'		372.80' (24" RCP TO CB406)	NCDOT 840.02 CONCRETE CATCH BASIN
CB424	381.15'	374.70' (18" RCP FROM CB425)	374.70' (18" RCP TO CB406)	NCDOT 840.02 CONCRETE CATCH BASIN
CB425	380.54'	375.50' (15" RCP FROM CB441) 375.30' (15" RCP FROM DI426)	375.30' (18" RCP TO CB424)	NCDOT 840.02 CONCRETE CATCH BASIN
CB427	382.36'	377.50' (15" RCP FROM CB428)	377.30' (15" RCP TO CB430)	NCDOT 840.02 CONCRETE CATCH BASIN
CB428	383.23'	378.20' (15" RCP FROM CB429)	378.00' (15" RCP TO CB427)	NCDOT 840.02 CONCRETE CATCH BASIN
CB429	384.26'		379.00' (15" RCP TO CB428)	NCDOT 840.02 CONCRETE CATCH BASIN
CB430	381.21'	376.55' (15" RCP FROM CB427) 374.90' (24" RCP FROM CB431)	374.70' (24" RCP TO CB409)	NCDOT 840.02 CONCRETE CATCH BASIN
CB431	381.80'	376.20' (18" RCP FROM DI432)	375.60' (24" RCP TO CB430)	NCDOT 840.02 CONCRETE CATCH BASIN
CB433	384.84'	379.32' (18" RCP FROM DI440) 376.30' (24" RCP FROM CB434)	376.10' (24" RCP TO CB410)	NCDOT 840.02 CONCRETE CATCH BASIN
CB434	382.29'	377.50' (18" RCP FROM CB436) 377.50' (18" RCP FROM DI435) 377.60' (18" RCP FROM CB437)	377.40' (24" RCP TO CB433)	NCDOT 840.02 CONCRETE CATCH BASIN
CB436	381.92'		377.88' (18" RCP TO CB434)	NCDOT 840.02 CONCRETE CATCH BASIN
CB437	381.25'		378.00' (18" RCP TO CB434)	NCDOT 840.02 CONCRETE CATCH BASIN
CB439	387.76'		383.00' (15" RCP TO CB413)	NCDOT 840.02 CONCRETE CATCH BASIN
CB441	380.51'		376.00' (15" RCP TO CB425)	NCDOT 840.02 CONCRETE CATCH BASIN
DI401	378.22'	367.77' (48" RCP FROM CB402)	367.67' (48" RCP TO EW400)	60" X 60" SLAB TOP YARD INLET
DI405	379.50'	371.01' (48" RCP FROM CB406)	370.91' (48" RCP TO CB404)	60" X 60" SLAB TOP YARD INLET
DI426	378.93'		376.00' (15" RCP TO CB425)	36" X 36" SLAB TOP YARD INLET
DI432	379.00'		376.70' (18" RCP TO CB431)	36" X 36" SLAB TOP YARD INLET
DI435	381.35'		377.80' (18" RCP TO CB434)	36" X 36" SLAB TOP YARD INLET
DI438	386.12'		383.10' (24" RCP TO CB413)	36" X 36" SLAB TOP YARD INLET
DI440	384.69'		380.07' (18" RCP TO CB433)	36" X 36" SLAB TOP YARD INLET
EW400	371.50'	367.25' (48" RCP FROM DI401)		NCDOT 838.80 CONCRETE ENDWALL

STORM STRUCTURE TABLE

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB501	360.84'	355.94' (30" RCP FROM CB502)	355.84' (30" RCP TO EW500)	NCDOT 840.02 CONCRETE CATCH BASIN
CB502	363.90'	356.64' (30" RCP FROM CB503)	356.54' (30" RCP TO CB501)	NCDOT 840.02 CONCRETE CATCH BASIN
CB503	364.99'	357.10' (30" RCP FROM CB504)	357.00' (30" RCP TO CB502)	NCDOT 840.02 CONCRETE CATCH BASIN
CB504	369.59'	361.00' (24" RCP FROM CB505) 357.95' (24" RCP FROM CB509)	357.95' (30" RCP TO CB503)	NCDOT 840.02 CONCRETE CATCH BASIN
CB505	370.82'	364.20' (24" RCP FROM CB506) 365.92' (18" RCP FROM CB514)	364.00' (24" RCP TO CB504)	NCDOT 840.02 CONCRETE CATCH BASIN
CB506	373.30'	366.20' (18" RCP FROM CB507) 369.00' (15" RCP FROM CB519)	366.00' (24" RCP TO CB505)	NCDOT 840.02 CONCRETE CATCH BASIN
CB507	376.45'	371.20' (15" RCP FROM CB508)	371.00' (18" RCP TO CB506)	NCDOT 840.02 CONCRETE CATCH BASIN
CB508	376.44'		371.50' (15" RCP TO CB507)	NCDOT 840.02 CONCRETE CATCH BASIN
CB509	368.95'	358.31' (24" RCP FROM CB510)	358.21' (24" RCP TO CB504)	NCDOT 840.02 CONCRETE CATCH BASIN
CB510	365.60'	361.10' (15" RCP FROM CB513) 358.87' (18" RCP FROM CB520)	358.87' (24" RCP TO CB509)	NCDOT 840.02 CONCRETE CATCH BASIN
CB511	363.94'	359.70' (15" RCP FROM CB512)	359.70' (15" RCP TO CB520)	NCDOT 840.02 CONCRETE CATCH BASIN
CB512	363.95'		360.09' (15" RCP TO CB511)	NCDOT 840.02 CONCRETE CATCH BASIN
CB513	365.45'		361.69' (15" RCP TO CB510)	NCDOT 840.02 CONCRETE CATCH BASIN
CB514	370.82'	366.18' (18" RCP FROM CB515)	366.08' (18" RCP TO CB505)	NCDOT 840.02 CONCRETE CATCH BASIN
CB515	370.97'	366.44' (18" RCP FROM CB516)	366.44' (18" RCP TO CB514)	NCDOT 840.02 CONCRETE CATCH BASIN
CB516	370.69'	367.03' (15" RCP FROM CB518) 367.03' (15" RCP FROM DI517)	366.93' (18" RCP TO CB515)	NCDOT 840.02 CONCRETE CATCH BASIN
CB518	370.69'		367.23' (15" RCP TO CB516)	NCDOT 840.02 CONCRETE CATCH BASIN
CB519	373.29'		369.61' (15" RCP TO CB506)	NCDOT 840.02 CONCRETE CATCH BASIN
CB520	364.60'	359.20' (15" RCP FROM CB511)	359.20' (18" RCP TO CB510)	NCDOT 840.02 CONCRETE CATCH BASIN
DI517	369.67'		367.23' (15" RCP TO CB516)	36" X 36" SLAB TOP YARD INLET
EW500	357.87'	354.00' (30" RCP FROM CB501)		NCDOT 838.80 CONCRETE ENDWALL

STORM STRUCTURE TABLE

STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
EW 601	372.62'	369.50' (30" RCP FROM SCM 1 RISER)		NCDOT 838.80 CONCRETE ENDWALL
EW 601	372.62'	369.50' (30" RCP FROM SCM 1 RISER)		NCDOT 838.80 CONCRETE ENDWALL
EW 602	383.68'	380.20' (30" RCP FROM SCM 2 RISER)		CONCRETE ENDWALL
EW601	374.00'	369.50' (30" RCP FROM SCM 1 RISER)		NCDOT 838.80 CONCRETE ENDWALL
EW602	383.62'	380.20' (30" RCP FROM SCM 2 RISER)		CONCRETE ENDWALL
EW603	345.50'	341.00' (48" RCP FROM SCM 3 RISER)		NCDOT 838.80 CONCRETE ENDWALL
EW604	369.50'	365.00' (48" RCP FROM SCM 4 RISER)		NCDOT 838.80 CONCRETE ENDWALL
EW605	351.26'	347.30' (42" RCP FROM SCM 5 RISER)		NCDOT 838.80 CONCRETE ENDWALL
EW609	359.67'	354.00' (72" RCP FROM EW610)		NCDOT 838.80 CONCRETE ENDWALL
EW610	362.67'		354.50' (72" RCP TO EW609)	NCDOT 838.80 CONCRETE ENDWALL
EW611	359.67'	355.00' (72" RCP FROM EW612)		NCDOT 838.80 CONCRETE ENDWALL
EW612	362.67'		355.50' (72" RCP TO EW611)	NCDOT 838.80 CONCRETE ENDWALL
EW613	383.00'	378.50' (48" RCP FROM EW614)		NCDOT 838.80 CONCRETE ENDWALL
EW614	383.50'		379.00' (48" RCP TO EW613)	NCDOT 838.80 CONCRETE ENDWALL
EW615	383.00'	378.50' (48" RCP FROM EW616)		NCDOT 838.80 CONCRETE ENDWALL
EW616	383.50'		379.00' (48" RCP TO EW615)	NCDOT 838.80 CONCRETE ENDWALL
FE650	N/A		343.40' (24" RCP TO FE651)	FLARED END SECTION
FE651	N/A	342.30' (24" RCP FROM FE650)		FLARED END SECTION
SCM 1 RISER	REFER TO DETAIL		369.90' (30" RCP TO EW 601)	SCM 1 RISER; REFER TO DETAIL
SCM 1 RISER	REFER TO DETAIL		369.90' (30" RCP TO EW 601)	SCM 1 RISER; REFER TO DETAIL
SCM 1 RISER	REFER TO DETAIL		369.90' (30" RCP TO EW601)	SCM 1 RISER; REFER TO DETAIL
SCM 2 RISER	REFER TO DETAIL		380.55' (30" RCP TO EW 602)	SCM 2 RISER; REFER TO DETAIL
SCM 2 RISER	REFER TO DETAIL		380.55' (30" RCP TO EW602)	48 x 48 inch Rectangular Structure
SCM 3 RISER	REFER TO DETAIL		341.59' (48" RCP TO EW603)	SCM 3 RISER; REFER TO DETAIL
SCM 4 RISER	REFER TO DETAIL		365.45' (48" RCP TO EW604)	SCM 4 RISER, REFER TO DETAIL
SCM 5 RISER	REFER TO DETAIL		347.88' (42" RCP TO EW605)	SCM 5 RISER; REFER TO DETAIL

NOTES:
1. TOP REFERS TO:
   1.1. CATCH BASIN: TOP OF CURB
   1.2. YARD INLET: SILL
   1.3. VALLEY GUTTER INLET: FLOW LINE

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

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NORTH CAROLINA PROFESSIONAL ENGINEER P. BARBEAU 27370 S.A.R.B.
01/02/2024

REVISION DESCRIPTION	DATE
REVISIONS PER WAKE COUNTY COMMENTS	06/24/2022
CONSTRUCTION DOCUMENT SUBMITTAL	07/22/2022
REVISIONS PER CITY OF RALEIGH COMMENTS	04/06/2023
REVISIONS PER CITY OF RALEIGH COMMENTS	09/06/2023
REVISIONS TO APPROVED PLANS	01/02/2024

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

ROLESVILLE CROSSING - CD 21-08
ROLESVILLE - WAKE COUNTY - NORTH CAROLINA
STORM SEWER TABLES

JOB NO. 43398
SHEET NO. C3.6

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STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
CB101 - EW100	370.65'	370.00'	0.49%	132.94 LF	48"	RCP	CLASS III
CB102 - CB101	371.24'	370.75'	0.50%	97.43 LF	42"	RCP	CLASS III
CB103 - CB183	374.96'	373.20'	3.56%	49.40 LF	36"	RCP	CLASS III
CB104 - CB103	376.10'	375.06'	0.60%	172.58 LF	36"	RCP	CLASS III
CB105 - CB104	376.45'	376.20'	0.59%	42.43 LF	30"	RCP	CLASS III
CB106 - CB105	376.95'	376.55'	0.60%	66.73 LF	30"	RCP	CLASS III
CB107 - CB106	377.71'	377.05'	0.61%	108.77 LF	30"	RCP	CLASS III
CB108 - CB107	378.33'	377.81'	0.60%	86.74 LF	30"	RCP	CLASS III
CB109 - CB108	380.78'	378.43'	0.60%	392.67 LF	24"	RCP	CLASS III
CB110 - CB109	381.80'	380.88'	0.54%	169.45 LF	24"	RCP	CLASS III
CB112 - CB101	377.30'	375.00'	2.43%	94.73 LF	15"	RCP	CLASS III
CB113 - CB112	378.00'	377.50'	1.28%	39.16 LF	15"	RCP	CLASS III
CB114 - CB102	371.98'	371.30'	0.49%	137.77 LF	42"	RCP	CLASS III
CB115 - CB114	372.51'	372.10'	0.58%	70.32 LF	30"	RCP	CLASS III
CB116 - CB115	373.90'	372.65'	0.51%	245.19 LF	30"	RCP	CLASS III
CB117 - CB116	374.25'	374.00'	0.54%	46.53 LF	30"	RCP	CLASS III
CB118 - CB117	376.00'	375.80'	0.74%	27.00 LF	30"	RCP	CLASS III
CB119 - CB118	376.60'	376.25'	0.77%	45.41 LF	30"	RCP	CLASS III
CB120 - CB119	377.37'	376.60'	0.67%	115.77 LF	30"	RCP	CLASS III
CB121 - CB120	377.84'	377.37'	0.62%	75.64 LF	24"	RCP	CLASS III
CB122 - CB121	378.50'	377.84'	0.79%	83.58 LF	18"	RCP	CLASS III
CB123 - CB122	380.00'	378.70'	0.83%	155.76 LF	18"	RCP	CLASS III
CB124 - CB114	379.41'	378.00'	5.00%	28.29 LF	15"	RCP	CLASS III
CB125 - CB114	379.38'	377.50'	5.37%	35.00 LF	15"	RCP	CLASS III
CB126 - CB115	379.00'	378.50'	1.43%	35.00 LF	15"	RCP	CLASS III
CB127 - CB116	377.53'	377.32'	0.60%	35.00 LF	18"	RCP	CLASS III
CB128 - CB127	378.30'	377.63'	1.45%	46.28 LF	18"	RCP	CLASS III
CB129 - CB128	378.80'	378.50'	1.11%	27.00 LF	18"	RCP	CLASS III
CB130 - CB129	381.30'	378.90'	2.24%	107.12 LF	15"	RCP	CLASS III
CB131 - CB130	382.12'	381.50'	1.58%	39.20 LF	15"	RCP	CLASS III
CB132 - CB117	377.00'	376.00'	0.85%	117.54 LF	18"	RCP	CLASS III
CB133 - CB132	377.70'	377.30'	1.48%	27.05 LF	15"	RCP	CLASS III
CB134 - CB120	378.15'	377.70'	0.69%	64.98 LF	24"	RCP	CLASS III
CB136 - CB104	385.21'	385.00'	0.60%	35.00 LF	24"	RCP	CLASS III
CB137 - CB136	385.94'	385.31'	1.00%	63.35 LF	18"	RCP	CLASS III
CB138 - CB137	386.55'	386.14'	1.00%	40.57 LF	15"	RCP	CLASS III
CB139 - CB105	385.93'	385.10'	1.00%	82.75 LF	15"	RCP	CLASS III
CB140 - CB139	387.00'	386.03'	3.59%	27.03 LF	15"	RCP	CLASS III
CB144 - CB108	390.50'	389.50'	2.86%	35.00 LF	15"	RCP	CLASS III
CB146 - CB109	388.00'	385.91'	5.11%	40.91 LF	15"	RCP	CLASS III
CB147 - CB110	382.65'	382.00'	1.67%	38.92 LF	15"	RCP	CLASS III
CB148A - CB122	379.75'	379.41'	0.97%	35.00 LF	15"	RCP	CLASS V
CB148B - CB148A	379.90'	379.80'	2.22%	4.50 LF	15"	RCP	CLASS III
CB149 - CB129	380.31'	379.85'	1.00%	45.91 LF	15"	RCP	CLASS III
CB150 - DI149	372.80'	371.10'	1.03%	165.28 LF	30"	RCP	CLASS III
CB151 - CB150	373.20'	372.90'	0.72%	41.38 LF	30"	RCP	CLASS III
CB152 - CB151	375.40'	373.30'	1.69%	124.57 LF	30"	RCP	CLASS III
CB155 - DI154	378.30'	377.34'	0.70%	136.50 LF	30"	RCP	CLASS III
CB156 - CB155	378.80'	378.50'	0.91%	32.88 LF	24"	RCP	CLASS III
CB157 - CB156	379.40'	379.00'	1.48%	27.00 LF	24"	RCP	CLASS III
CB158 - CB157	385.00'	383.00'	3.39%	58.95 LF	18"	RCP	CLASS III
CB159 - CB158	386.50'	385.29'	1.52%	79.35 LF	18"	RCP	CLASS III
CB160 - CB159	390.30'	386.70'	2.18%	165.29 LF	15"	RCP	CLASS III
CB161 - CB160	390.76'	390.50'	0.96%	27.00 LF	15"	RCP	CLASS III
CB162 - CB150	377.80'	377.50'	0.76%	39.30 LF	15"	RCP	CLASS III
CB164 - CB152	380.74'	380.30'	0.61%	72.45 LF	15"	RCP	CLASS III
CB165 - CB164	385.00'	382.70'	4.58%	50.25 LF	15"	RCP	CLASS V
CB166 - CB180	384.00'	383.20'	1.74%	46.02 LF	15"	RCP	CLASS III
CB168 - CB158	385.90'	385.70'	0.74%	27.00 LF	15"	RCP	CLASS III
CB169 - CB168	386.76'	386.00'	1.40%	54.16 LF	15"	RCP	CLASS III

STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
CB170 - CB159	387.10'	386.90'	0.74%	27.01 LF	15"	RCP	CLASS V
CB180 - CB157	383.00'	382.00'	1.62%	61.85 LF	15"	RCP	CLASS III
CB181 - CB103	383.00'	381.32'	4.82%	34.89 LF	15"	RCP	CLASS III
CB182 - CB110	382.20'	381.90'	0.70%	43.04 LF	18"	RCP	CLASS III
CB183 - CB102	373.00'	371.50'	1.26%	118.89 LF	42"	RCP	CLASS III
CB190 - CB138	387.56'	386.75'	1.00%	81.09 LF	15"	RCP	CLASS III
DI111 - CB110	384.00'	382.20'	1.30%	138.38 LF	18"	RCP	CLASS III
DI135 - CB134	378.84'	378.15'	0.53%	131.10 LF	24"	RCP	CLASS III
DI141 - CB107	384.00'	383.00'	1.17%	85.54 LF	18"	RCP	CLASS III
DI142 - DI141	385.00'	384.20'	0.96%	83.33 LF	18"	RCP	CLASS III
DI143 - DI142	385.80'	385.20'	0.76%	79.29 LF	18"	RCP	CLASS III
DI143A - DI142	386.50'	386.00'	0.63%	79.29 LF	18"	RCP	CLASS III
DI149 - EW148	371.00'	370.00'	1.44%	69.50 LF	48"	RCP	CLASS III
DI153 - CB152	376.50'	375.54'	0.70%	137.48 LF	30"	RCP	CLASS III
DI154 - DI153	377.10'	376.63'	0.70%	66.89 LF	30"	RCP	CLASS III
DI163 - CB162	378.60'	377.90'	0.51%	136.29 LF	15"	RCP	CLASS III
DI167 - CB166	384.76'	384.20'	2.35%	23.87 LF	15"	RCP	CLASS III
DI188 - DI135	380.10'	378.94'	0.57%	202.55 LF	24"	RCP	CLASS III
DI192 - CB190	388.40'	387.56'	0.66%	126.69 LF	15"	RCP	CLASS III
DI193 - DI192	390.75'	388.60'	1.23%	174.25 LF	15"	RCP	CLASS III
DI194 - DI195	383.10'	381.90'	0.81%	148.33 LF	15"	RCP	CLASS III
DI195 - DI188	381.80'	380.30'	0.59%	254.32 LF	18"	RCP	CLASS III

STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
CB202 - FE201	383.75'	383.20'	0.33%	167.79 LF	30"	RCP	CLASS III
CB204 - DI203A	384.16'	383.95'	0.54%	38.73 LF	24"	RCP	CLASS V
CB205 - CB204	384.50'	384.36'	0.52%	27.04 LF	15"	RCP	CLASS V
CB206 - CB202	385.10'	384.40'	0.57%	122.07 LF	24"	RCP	CLASS III
CB207 - CB206	385.60'	385.30'	1.05%	28.48 LF	15"	RCP	CLASS V
CB208 - CB202	384.40'	384.20'	0.74%	27.00 LF	24"	RCP	CLASS III
CB213 - FE212	384.10'	383.00'	0.66%	167.47 LF	30"	RCP	CLASS III
CB214 - CB213	384.50'	384.30'	0.50%	39.99 LF	30"	RCP	CLASS III
CB215 - CB214	385.15'	384.60'	0.55%	99.88 LF	18"	RCP	CLASS III
CB216 - CB215	387.62'	385.25'	4.34%	54.55 LF	15"	RCP	CLASS III
CB217 - CB214	384.75'	384.60'	0.56%	27.00 LF	24"	RCP	CLASS V
CB218 - CB217	384.90'	384.85'	0.55%	9.13 LF	24"	RCP	CLASS IV
DI203 - EW220	383.40'	383.00'	0.47%	85.03 LF	24"	RCP	CLASS V
DI203A - DI203	383.85'	383.50'	0.48%	72.52 LF	24"	RCP	CLASS V
DI209 - CB208	385.40'	384.60'	0.57%	140.85 LF	18"	RCP	CLASS III
DI219 - CB218	385.70'	385.00'	0.56%	125.90 LF	24"	RCP	CLASS III; O-RING

STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
CB501 - EW500	355.84'	354.00'	4.38%	42.01 LF	30"	RCP	CLASS III
CB502 - CB501	356.54'	355.94'	0.60%	99.76 LF	30"	RCP	CLASS V
CB503 - CB502	357.00'	356.64'	0.82%	44.10 LF	30"	RCP	CLASS III
CB504 - CB503	357.95'	357.10'	0.54%	157.79 LF	30"	RCP	CLASS III
CB505 - CB504	364.00'	361.00'	3.45%	87.00 LF	24"	RCP	CLASS III
CB506 - CB505	366.00'	364.20'	0.93%	193.28 LF	24"	RCP	CLASS III
CB507 - CB506	371.00'	366.20'	2.29%	210.00 LF	18"	RCP	CLASS III
CB508 - CB507	371.50'	371.20'	1.11%	27.01 LF	15"	RCP	CLASS III
CB509 - CB504	358.21'	357.95'	0.61%	42.43 LF	24"	RCP	CLASS III
CB510 - CB509	358.87'	358.31'	0.60%	93.40 LF	24"	RCP	CLASS III
CB511 - CB520	359.70'	359.20'	0.79%	63.49 LF	15"	RCP	CLASS III
CB512 - CB511	360.09'	359.70'	1.44%	27.15 LF	15"	RCP	CLASS III
CB513 - CB510	361.69'	361.10'	2.15%	27.45 LF	15"	RCP	CLASS III
CB514 - CB505	366.08'	365.92'	0.59%	27.00 LF	18"	RCP	CLASS III
CB515 - CB514	366.44'	366.18'	0.61%	42.43 LF	18"	RCP	CLASS III
CB516 - CB515	366.93'	366.44'	0.60%	82.10 LF	18"	RCP	CLASS III
CB518 - CB516	367.23'	367.03'	0.74%	27.00 LF	15"	RCP	CLASS V
CB519 - CB506	369.61'	369.00'	2.26%	27.01 LF	15"	RCP	CLASS III
CB520 - CB510	359.20'	358.87'	0.77%	42.66 LF	18"	RCP	CLASS III
DI517 - CB516	367.23'	367.03'	0.65%	30.15 LF	15"	RCP	CLASS III

STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
CB278 - VI276	360.19'	359.98'	0.82%	25.50 LF	18"	RCP	CLASS III
CB302 - JB301	347.72'	346.12'	1.53%	104.91 LF	36"	RCP	CLASS III; O-RING
CB303 - CB302	349.40'	348.90'	0.60%	82.86 LF	36"	RCP	CLASS III
CB304 - CB303	350.22'	349.51'	0.60%	118.63 LF	36"	RCP	CLASS III
CB305 - CB304	353.80'	353.00'	1.98%	40.48 LF	36"	RCP	CLASS III
CB306 - CB305	356.09'	354.00'	2.03%	103.07 LF	36"	RCP	CLASS III
CB307 - CB306	356.67'	356.19'	0.60%	79.80 LF	36"	RCP	CLASS III
CB308 - VI276	357.79'	357.14'	0.60%	108.48 LF	36"	RCP	CLASS III
CB310 - VI309	359.00'	358.71'	0.81%	35.98 LF	30"	RCP	CLASS III
CB311 - CB310	361.00'	359.20'	2.74%	65.59 LF	30"	RCP	CLASS III
CB312 - CB311	362.20'	361.20'	0.81%	124.08 LF	30"	RCP	CLASS III
CB314 - CB312	362.82'	362.40'	0.61%	68.95 LF	30"	RCP	CLASS III
CB315 - CB314	363.69'	363.16'	0.60%	88.47 LF	30"	RCP	CLASS III
CB316 - CB315	365.00'	363.90'	1.12%	98.46 LF	24"	RCP	CLASS III
CB317 - CB316	366.00'	365.20'	2.04%	39.27 LF	24"	RCP	CLASS III
CB319 - VI318	372.50'	368.20'	4.15%	103.51 LF	18"	RCP	CLASS III
CB320 - CB319	375.00'	372.70'	1.60%	143.96 LF	15"	RCP	CLASS III
CB321 - CB320	376.00'	375.20'	1.28%	62.68 LF	15"	RCP	CLASS III
CB322 - CB321	376.70'	376.20'	0.86%	58.22 LF	15"	RCP	CLASS III
CB323 - CB302	351.75'	350.87'	0.77%	113.78 LF	15"	RCP	CLASS III
CB325 - CB304	352.20'	351.62'	0.52%	110.87 LF	15"	RCP	CLASS V
CB326 - CB303	353.00'	351.00'	7.37%	27.14 LF	15"	RCP	CLASS III
CB327 - CB278	361.80'	360.69'	2.35%	47.18 LF	18"	RCP	CLASS III
CB329 - VI328	369.00'	366.20'	3.54%	79.14 LF	15"	RCP	CLASS III
CB330 - CB329	370.00'	369.20'	2.96%	27.00 LF	15"	RCP	CLASS III
CB332 - VI328	367.00'	366.20'	2.54%	31.51 LF	15"	RCP	CLASS III
CB333 - CB308	361.50'	361.20'	1.09%	27.54 LF	15"	RCP	CLASS III
CB334 - CB333	362.20'	361.70'	2.35%	21.26 LF	15"	RCP	CLASS III
CB335 - VI334A	360.05'	359.75'	0.55%	54.64 LF	18"	RCP	CLASS III
CB337 - CB311	362.40'	361.90'	0.84%	59.64 LF	18"	RCP	CLASS III
CB338 - CB312	363.80'	363.53'	0.57%	46.96 LF	15"	RCP	CLASS III
CB339 - CB338	364.18'	364.00'	0.66%	27.07 LF	15"	RCP	CLASS III
CB340 - CB314	365.01'	364.70'	0.78%	39.72 LF	15"	RCP	CLASS III
CB342 - CB316	367.20'	367.00'	0.71%	27.99 LF	18"	RCP	CLASS V
CB343 - CB342	368.30'	367.90'	0.62%	64.90 LF	15"	RCP	CLASS V
CB344 - CB343	370.68'	368.50'	1.72%	126.46 LF	15"	RCP	CLASS III
CB345 - CB342	367.90'	367.30'	0.72%	82.90 LF	15"	RCP	CLASS V
CB346 - CB317	368.40'	368.10'	1.06%	28.30 LF	24"	RCP	CLASS V
CB348 - DI347	369.95'	368.80'	3.39%	33.93 LF	15"	RCP	CLASS III
CB349 - CB319	374.70'	374.10'	1.89%	31.70 LF	15"	RCP	CLASS III
CB350 - CB327	363.00'	362.00'	3.10%	32.30 LF	18"	RCP	CLASS III
CB398 - CB305	355.97'	355.80'	0.54%	31.76 LF	15"	RCP	CLASS III
DI324 - CB302	348.52'	347.92'	0.60%	100.69 LF	30"	RCP	30 inch RCP
DI336 - CB335	360.75'	360.15'	0.57%	106.18 LF	15"	RCP	CLASS III
DI341 - CB315	365.89'	364.91'	1.47%	66.54 LF	18"	RCP	CLASS III
DI347 - CB346	368.70'	368.50'	0.76%	26.21 LF	18"	RCP	CLASS III
DI361 - CB310	359.90'	359.20'	1.27%	54.91 LF	15"	RCP	CLASS III
DI362 - DI336	361.90'	360.95'	0.72%	132.71 LF	15"	RCP	CLASS III
DI380 - CB308	361.80'	361.00'	1.35%	59.14 LF	15"	RCP	CLASS III
DI381 - CB346	369.10'	368.60'	0.70%	71.15 LF	24"	RCP	CLASS III
DI382 - DI381	370.30'	369.20'	0.95%	115.61 LF	18"	RCP	CLASS III
DI397 - CB332	367.80'	367.00'	1.59%	50.45 LF	15"	RCP	CLASS III
DI399 - CB398	356.60'	356.07'	0.89%	59.86 LF	15"	RCP	CLASS III
JB301 - EW300	345.80'	345.00'	1.50%	53.27 LF	36"	RCP	CLASS III; O-RING
VI276 - CB307	357.04'	356.77'	0.59%	45.58 LF	36"	RCP	CLASS III
VI309 - CB308	358.61'	357.89'	0.63%	114.74 LF	30"	RCP	CLASS III
VI318 - CB317	368.00'	366.20'	1.79%	100.75 LF	18"	RCP	CLASS III
VI328 - CB350	366.00'	363.20'	3.39%	82.56 LF	18"	RCP	CLASS III
VI334A - VI334B	359.65'	359.60'	1.25%	4.00 LF	18"	RCP	CLASS III
VI334B - VI309	359.55'	359.40'	0.62%	24.00 LF	18"	RCP	CLASS III

STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
CB402 - DI401	368.99'	367.77'	0.60%	203.66 LF	48"	RCP	CLASS III; O-RING
CB403 - CB402	369.23'	368.99'	0.60%	40.15 LF	48"	RCP	CLASS III; O-RING
CB404 - CB403	369.74'	369.33'	0.60%	68.03 LF	48"	RCP	CLASS III; O-RING
CB406 - DI405	371.82'	371.01'	0.59%	136.50 LF	48"	RCP	CLASS III
CB407 - CB406	372.28'	371.82'	0.61%	75.44 LF	36"	RCP	CLASS III
CB409 - CB407	373.31'	372.40'	1.00%	91.16 LF	30"	RCP	CLASS III
CB410 - CB409	375.60'	374.50'	0.61%	179.40 LF	30"	RCP	CLASS III
CB411 - CB410	378.74'	378.32'	0.99%	42.43 LF	24"	RCP	CLASS III
CB412 - CB411	379.24'	379.00'	0.70%	34.60 LF	24"	RCP	CLASS III
CB413 - CB412	382.00'	379.50'	1.77%	141.43 LF	24"	RCP	CLASS III
CB414 - CB413	385.70'	382.78'	2.09%	140.00 LF	18"	RCP	CLASS III
CB415 - CB414	386.19'	385.90'	0.94%	30.89 LF	15"	RCP	CLASS III
CB416 - CB402	372.50'	372.00'	1.14%	43.91 LF	24"	RCP	24 inch RCP
CB417 - CB416	373.20'	372.70'	0.63%	78.95 LF	18"	RCP	CLASS III
CB418 - CB417	374.00'	373.40'	1.06%	56.61 LF	18"	RCP	CLASS III
CB419 - CB418	374.40'	374.20'	0.74%	27.07 LF	18"	RCP	CLASS III
CB420 - CB419	376.00'	374.60'	0.77%	181.07 LF	18"	RCP	CLASS III
CB421 - CB420	376.50'	376.20'	1.11%	27.01 LF	15"	RCP	CLASS III
CB422 - CB416	380.18'	379.18'	3.70%	27.00 LF	15"	RCP	CLASS III
CB423 - CB406	372.80'	371.82'	1.12%	87.48 LF	24"	RCP	CLASS III
CB424 - CB406	374.70'	374.50'	0.74%	27.00 LF	18"	RCP	CLASS III
CB425 - CB424	375.30'	374.70'	0.81%	73.98 LF	18"	RCP	CLASS III
CB427 - CB430	377.30'	376.55'	1.00%	75.25 LF	15"	RCP	CLASS III
CB428 - CB427	378.00'	377.50'	0.55%	91.35 LF	15"	RCP	CLASS III
CB429 - CB428	379.00'	378.20'	0.74%	108.10 LF	15"	RCP	CLASS III
CB430 - CB409	374.70'	374.40'	1.11%	27.00 LF	24"	RCP	CLASS III
CB431 - CB430	375.60'	374.90'	1.08%	65.00 LF	24"	RCP	CLASS III
CB433 - CB410	376.10'	375.80'	0.50%	60.34 LF	24"	RCP	CLASS III
CB434 - CB433	377.40'	376.30'	0.53%	206.09 LF	24"	RCP	24 inch RCP
CB436 - CB434	377.88'	377.50'	1.29%	29.28 LF	18"	RCP	CLASS V
CB437 - CB434	378.00'	377.60'	0.83%	48.18 LF	18"	RCP	CLASS V
CB439 - CB413	383.00'	382.10'	3.33%	27.00 LF	15"	RCP	CLASS III
CB441 - CB425	376.00'	375.50'	3.70%	13.51 LF	15"	RCP	CLASS III
DI401 - EW400	367.67'	367.25'	1.27%	33.20 LF	48"	RCP	CLASS III; O-RING
DI405 - CB404	370.91'	369.84'	0.60%	177.10 LF	48"	RCP	CLASS III; O-RING
DI426 - CB425	376.00'	375.30'	0.51%	136.50 LF	15"	RCP	CLASS III
DI432 - CB431	376.70'	376.20'	0.95%	52.63 LF	18"	RCP	CLASS III
DI435 - CB434	377.80'	377.50'	0.51%	58.49 LF	18"	RCP	CLASS V; O-RING
DI438 - CB413	383.10'	382.10'	0.56%	178.54 LF	24"	RCP	24 inch RCP
DI440 - CB433	380.07'	379.32'	0.62%	121.54 LF	18"	RCP	18 inch RCP

STORM PIPE TABLE

FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL	DESCRIPTION
EW610 - EW609	354.50'	354.00'	0.86%	58.32 LF	72"	RCP	CLASS III
EW612 - EW611	355.50'	355.00'	0.85%	58.96 LF	72"	RCP	CLASS III
EW614 - EW613	379.00'	378.50'	0.68%	73.83 LF	48"	RCP	CLASS III
EW616 - EW615	379.00'	378.50'	0.67%	74.32 LF	48"	RCP	CLASS III
FE650 - FE651	343.40'	342.30'	1.11%	99.34 LF	24"	RCP	CLASS V
SCM 1 RISER - EW 601	369.90'	369.50'	0.97%	41.43 LF	30"	RCP	CLASS III
SCM 1 RISER - EW 601	369.90'	369.50'	0.99%	40.32 LF	30"	RCP	CLASS III
SCM 1 RISER - EW601	369.90'	369.50'	0.94%	42.48 LF	30"	RCP	CLASS III
SCM 2 RISER - EW 602	380.55'	380.20'	1.02%	34.19 LF	30"	RCP	CLASS III
SCM 2 RISER - EW602	380.55'	380.20'	1.04%	33.79 LF	30"	RCP	CLASS III
SCM 3 RISER - EW603	341.59'	341.00'	0.43%	139.37 LF	48"	RCP	CLASS III
SCM 4 RISER - EW604	365.45'	365.00'	0.67%	67.61 LF	48"	RCP	CLASS III
SCM 5 RISER - EW605	347.88'	347.30'	0.66%	88.55 LF	42"	RCP	CLASS III

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 27370 P. BARBEAU
01/02/2024

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07/22/2022	CONSTRUCTION DOCUMENT SUBMITTAL
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE 09/17/2021
DRAWN BY R. WINGATE
DESIGNED BY P. BARBEAU
CHECKED BY P. BARBEAU
SCALE AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

STORM SEWER TABLES

JOB NO. 43398
SHEET NO. C3.7

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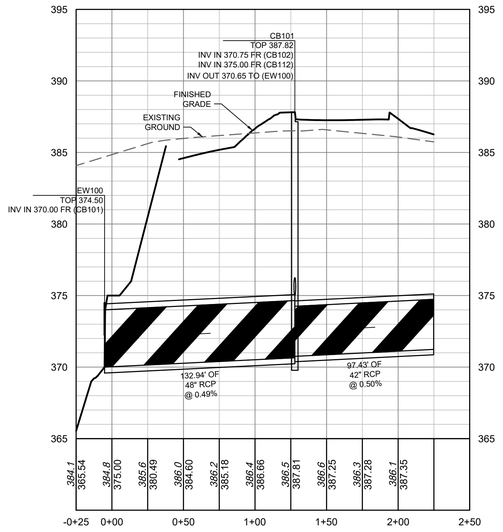

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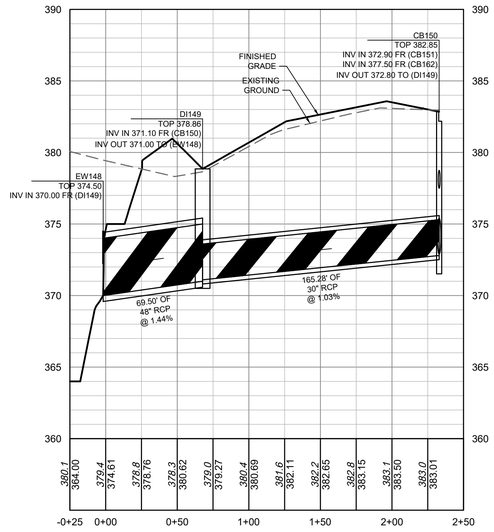

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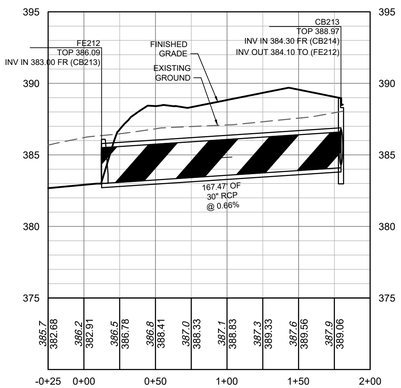

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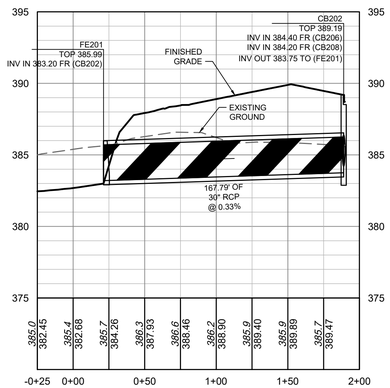

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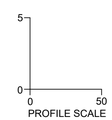

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09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE CROSSING - CD 21-08

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

STORM PROFILES

JOB NO.
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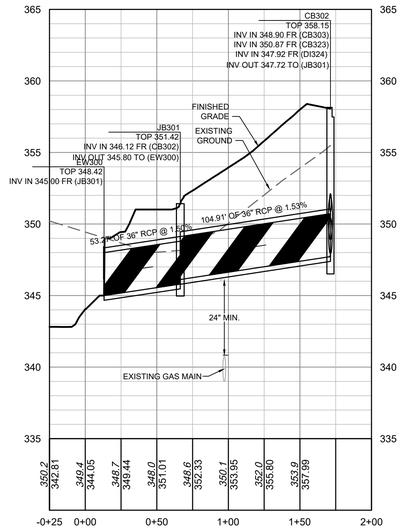

SCM3 INLET
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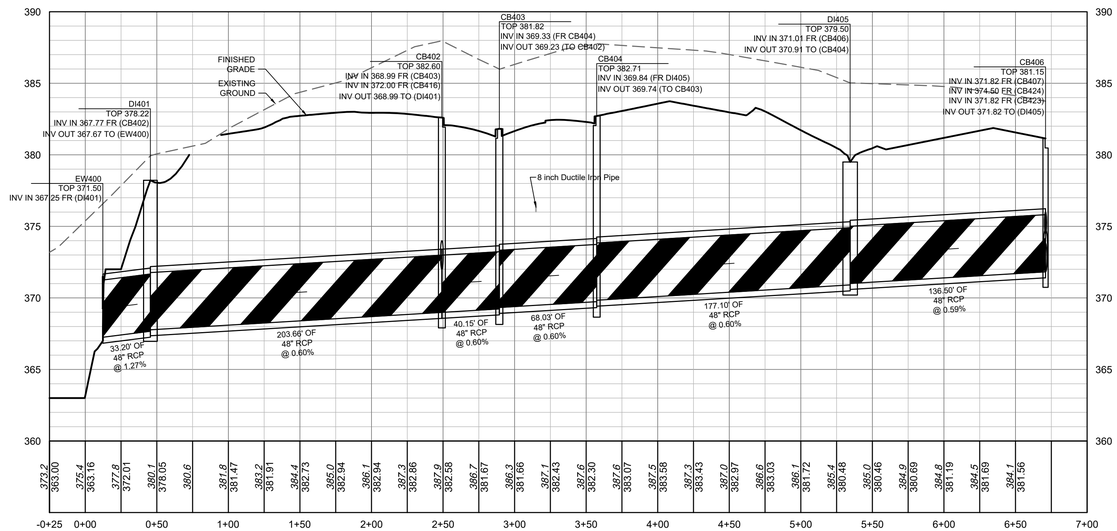

SCM 4 INLET
-0+25 - 7+00

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PROFILE SCALE

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04/06/2023	REVISIONS PER NCDOT COMMENTS
09/06/2023	REVISIONS PER CITY OF RALEIGH COMMENTS
01/02/2024	REVISIONS TO APPROVED PLANS

DATE
09/17/2021

DRAWN BY
R. WINGATE

DESIGNED BY
P. BARBEAU

CHECKED BY
P. BARBEAU

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ROLESVILLE CROSSING - CD 21-08

NORTH CAROLINA LICENSE NO. C-1652

ROLESVILLE - WAKE COUNTY - NORTH CAROLINA

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