Add case number CID-23-06 to the cover sheet. This is the case number for the prelim plat.

Rename to state "Construction Infrastructure Drawings".

PSP-23-02

CID-23-06 - V1 - Part 1 of 3 plan set

# CONSTRUCTION PLANS FOR

# PARKER RIDGE

## 82 SCHOOL STREET

## ROLESVILLE, NORTH CAROLINA 27571

1ST SUBMITTAL: APRIL 3, 2023
2ND SUBMITTAL: JUNE 1, 2023
TOWN OF ROLESVILLE CASE NUMBER: PSP23-02
PREVIOUS REZONING APPLICATION: MA22-03

Remove as this is the first review of the CID plans.

Note the current impervious surface, and the proposed total impervious surface amounts.

Provide maximum building height permitted for each dwelling type and the height proposed.

Calculations and acreage to demonstrate compliance with the maximum 15 gross acres dedicated to the Townhouse Development in the RH zoning district.

| SITE DATA TABLE | | |
|---|---|---|
| OWNER | W. HAROLD PARKER JR./ ROLESVILLE DEVELOPMENT, LLC | |
| DEVELOPER | LENNAR OF CAROLINAS, LLC | |
| PIN # | AREA (SF) | AREA (AC) |
| 1758988411 | 2,592,300 | 59.51 |
| 1758983710 | 17,121 | 0.39 |
| 1758884270 E | 310,215 | 7.12 |
| 1758884270 W | 865,243 | 19.86 |
| GROSS AREA | 3,784,879 | 86.89 |
| PARCEL A - PARK EXPANSION AREA | 65,340 | 1.50 |
| NET AREA | 3,719,539 | 85.39 |
| PREVIOUS ZONING | RL | |
| USE | VACANT / AG | |
| FUTURE LAND USE DESIGNATION (ROLESVILLE COMP PLAN) | HDR | |
| CURRENT ZONING | RH/RM CLUSTER CONDITIONAL | |
| PROPOSED USE | RESIDENTIAL | |
| SETBACKS MINIMUM RM (CLUSTER) | SINGLE-FAMILY DETACHED | |
| FRONT | 20' | |
| SIDE | 5' | |
| CORNER SIDE | 10' | |
| REAR | 20' | |
| MIN FRONT LOT WIDTH | 40' | |
| MIN LOT AREA | 5,000 SF | |
| MIN LOT AREA PROPOSED: | 5,021 SF | |
| RM-CZ CLUSTER (SINGLE FAMILY DETACHED) | | |
| | AREA (SF) | AREA (AC) |
| FINAL TRACT AREA | 2,521,614 | 57.89 |
| TOTAL UNITS | 161 | |
| PROPOSED DENSITY (DU/AC) | 2.8 | |
| MAXIMUM DENSITY (DU/AC) | 5 | |
| PUBLIC GREENWAY (EST. 30' ESTM WIDTH) | 150,754 | 3.46 |
| CLUSTER OPEN SPACE PROVIDED 12% | 252,161 | 5.79 |
| PROVIDED OPEN SPACE | 1,431,382 | 32.86 |
| SETBACKS MINIMUM RH - CZ (TOWNHOMES) | | |
| FRONT | 15' | |
| PARKING SETBACK FOR TOWNHOMES* | 19' | |
| BUILDING SEPARATION | 30' | |
| SIDE | 10' | |
| CORNER SIDE | 15' | |
| REAR | 15' | |
| MIN FRONT LOT WIDTH | 20' | |
| MIN LOT AREA | 2,000 SF | |
| MIN LOT AREA PROPOSED: | 2,054 SF | |
| RH-CZ (TOWNHOMES) | | |
| | AREA (SF) | AREA (AC) |
| FINAL TRACT AREA | 1,197,925 | 27.50 |
| LOT AREA | 330,922 | 7.60 |
| TOTAL UNITS | 114 | |
| PROPOSED DENSITY (DU/AC) | 4.1 | |

Update to include the open space chart provided with the preliminary plat PSP-23-02.

OPEN SPACE

RM ZONING DISTRICT (SINGLE-FAMILY DETACHED)

TOTAL AREA = 57.8 AC

REQUIRED OPEN SPACE (12%) = 6.94 AC

REQUIRED ACTIVE OPEN SPACE (50% OF TOTAL OPEN SPACE) = 3.47 AC

RH ZONING DISTRICT (TOWNHOMES)

TOTAL AREA = 27.47 AC

REQUIRED OPEN SPACE (15%) = 4.12 AC

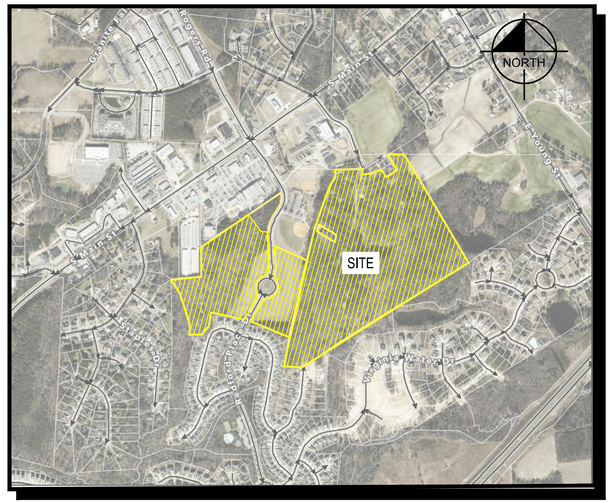
REQUIRED ACTIVE OPEN SPACE (50% OF TOTAL OPEN SPACE) = 2.06 AC

| | REQUIRED | PROPOSED |
|---|---|---|
| TOTAL OPEN SPACE: | 9.90 AC | 32.86 AC |
| ACTIVE OPEN SPACE (50%): | 4.95 AC | 5.30 AC |

*NOTE: PASSIVE OPEN SPACE INCLUDES ALL LAND OUTSIDE OF LOTS AND ROADS OTHER THAN ACTIVE OPEN SPACE

| PARKING CALCULATIONS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| WEST SIDE | | | | DRIVEWAY | | TOTAL | OFFSITE | TOTAL |
| STREET | # UNITS | SINGLE DW | DOUBLE DW | TOTAL SP | GUEST | REQD | REQD | PROVIDED |
| F | 38 | 24 | 14 | 52 | 10 | 86 | 34 | 91 |
| ALLEY 2 | 8 | 0 | 8 | 16 | 2 | 18 | 2 | 18 |
| ALLEY 3 | 9 | 0 | 9 | 18 | 3 | 21 | 3 | 21 |
| EAST SIDE | | | | | | | | |
| A | 13 | 7 | 6 | 19 | 4 | 30 | 11 | |
| ALLEY 4 | 12 | 0 | 12 | 24 | 3 | 27 | 3 | |
| ALLEY 1 | 20 | 0 | 20 | 40 | 5 | 45 | 5 | |
| C | 14 | 8 | 6 | 20 | 4 | 32 | 12 | |
| FUTURE CLUBHOUSE* | | | | | | 6 | | |
| TOTAL | | | | 103 | | 140 | 37 | 140 |

PARKING REQUIRED IS 2/DU + 0.25 GUEST SPACES /DU
*PROPOSED CLUBHOUSE IS 1,000 SF &MINIMUM PARKING IS 5 + 1/1000 SF FOR OUTDOOR RECREATION ROUNDED UP.




SITE LOCATION MAP
NOT TO SCALE

## PARKER RIDGE SUBDIVISION ZONING CONDITIONS

1. DEVELOPMENT OF THE PROPERTY SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE ACCOMPANYING EXHIBIT C CONCEPT PLAN, LOCATIONS SHOWN FOR COMMITTED ELEMENTS INCLUDING, BUT NOT LIMITED TO GREENWAYS, STREETS, AND OPEN AREAS SHOWN ON EXHIBIT C, ARE CONCEPTUAL AND PROVIDED FOR ILLUSTRATION AND CONTEXT ONLY. FINAL LOCATIONS OF ELEMENTS SHALL BE DETERMINED AT SUBSEQUENT STAGES OF APPROVAL. DEVELOPER SHALL BE ENTITLED TO A CREDIT AGAINST THE PROJECT'S PARKS AND RECREATION FEES FOR THE COSTS TO CONSTRUCT PUBLIC GREENWAYS.
2. THE FOLLOWING USES SHALL BE PROHIBITED ON THE PORTION OF THE PROPERTY ZONED RESIDENTIAL HIGH DENSITY (THE "RH PARCEL"):
   A. LIVE-WORK UNIT
   B. RESIDENTIAL CARE (ALF, ILF, CCF)
   C. TELECOMMUNICATIONS TOWER
3. THE RH PARCEL SHALL HAVE A MAXIMUM OF 120 TOWNHOUSE DWELLINGS.
4. THE FOLLOWING USES SHALL BE PROHIBITED ON THE PORTION OF THE PROPERTY ZONED RESIDENTIAL MEDIUM DENSITY (THE "RM PARCEL"):
   A. TELECOMMUNICATIONS TOWER
5. THE RM PARCEL SHALL HAVE A MAXIMUM OF 170 SINGLE-FAMILY DETACHED DWELLINGS.
6. A SINGLE FAMILY DETACHED HOME SHALL BE DEVELOPED AND DONATED AS PART OF WOUNDED WARRIOR HOMES. OPERATION COMING HOME, OPERATION FINALLY HOME, OR SIMILAR ORGANIZATION PROVIDING HOMES TO VETERANS. DEVELOPER SHALL BE ENTITLED TO A WAIVER OF ALL TOWN OF ROLESVILLE PERMIT FEES FOR THIS HOME.
7. THE DEVELOPMENT SHALL INCLUDE AT LEAST ONE POLLINATOR GARDEN. THE POLLINATOR GARDEN SHALL BE A LANDSCAPED GARDEN IN WHICH AT LEAST SEVENTY FIVE PERCENT (75%) OF ALL PLANTS, EXCLUDING GRASSES, ARE NATIVE MILKWEEDS AND OTHER NECTAR-RICH FLOWERS.
8. PERIMETER BUFFERS SHALL BE PROVIDED AS SHOWN ON THE CONCEPT PLAN. TYPE 3 AND TYPE 4 PERIMETER BUFFERS MAY INCLUDE 6' FENCES INSTEAD OF WALLS.
9. ALL SINGLE FAMILY DETACHED DWELLINGS SHALL HAVE THE FOLLOWING FEATURES:
   A. A 2 CAR GARAGE;
   B. ALL GARAGE DOORS SHALL HAVE WINDOWS;
   C. GROUND FLOOR ELEVATION AT THE FRONT DOOR SHALL BE A MINIMUM OF 12" ABOVE AVERAGE GRADE ACROSS THE FRONT FAÇADE OF THE HOUSE.
   D. A MINIMUM 24" STONE OR MASONRY WATER TABLE ALONG THE FRONT ELEVATION:
   E. IF MASONRY IS NOT THE PREDOMINANT FIRST FLOOR FINISH, THEN THE FRONT ELEVATION SHALL HAVE 2 TYPES OF SIDING, FOR EXAMPLE, HORIZONTAL SIDING MAY BE COMBINED WITH SHAKE/BOARD AND BATTEN;
   F. ROOF PITCHES ON THE MAIN ROOF WILL HAVE A PITCH BETWEEN 5 ON 12 AND 12 ON 12;
   G. ROOF MATERIALS SHALL BE ASPHALT SHINGLES, METAL, COPPER OR WOOD;
   H. MINIMUM 12" FRONT OVERHANGS;
   I. A COVERED STOOP OR PORCH AT LEAST 20 SF AND 5 FT DEEP.
   J. ALL WINDOWS ON FRONT FACADES SHALL HAVE SHUTTERS OR WINDOW TRIM;
   K. A MINIMUM 64 SF REAR PATIO;
   L. AT LEAST ONE WINDOW ON EACH SIDE ELEVATION;
   M. NO SINGLE FAMILY DETACHED HOME SHALL BE CONSTRUCTED WITH A FRONT ELEVATION OR COLOR PALETTE THAT IS IDENTICAL TO THE HOME ON EITHER SIDE OF IT OR DIRECTLY ACROSS FROM IT; AND
   N. A VARIED COLOR PALETTE SHALL BE USED THROUGHOUT THE SUBDIVISION.
10. ALL TOWNHOUSE DWELLINGS SHALL HAVE THE FOLLOWING FEATURES:
    A. A 1 OR 2 CAR GARAGE;
    B. A MIMIMUM 24" STONE OR MASONRY WATER TABLE ALONG THE FRONT ELEVATION;
    C.IF MASONRY IS NOT THE PREDOMINANT FIRST FLOOR FINISH, THEN THE FRONT ELEVATION SHALL HAVE 2 TYPES OF SIDING, FOR EXAMPLE, HORIZONTAL SIDING MAY BE COMBINED WITH SHAKE/BOARD AND BATTEN;
    D. ROOF MATERIALS SHALL BE ASPHALT SHINGLES, METAL, COPPER OR WOOD;
    E. MINIMUM 12" FRONT OVERHANGS;
    F. A COVERED STOOP OR PORCH AT LEAST 20 SF AND 5 FT DEEP;
    G. SHUTTERS OR WINDOW TRIM SHALL BE ON FRONT FAÇADE WINDOWS;
    H. A MINIMUM 64 SF REAR PATIO SHALL BE PROVIDED ON FRONT LOADED TOWNHOUSES;
    I. AT LEAST ONE WINDOW ON EACH SIDE ELEVATION (EXCLUDING INTERIOR UNITS);
    J. NO TOWNHOUSE SHALL BE PAINTED A COLOR THAT IS IDENTICAL TO THE HOME ADJACENT ON EITHER SIDE OF IT; AND
    K. A VARIED COLOR PALETTE SHALL BE USED THROUGHOUT THE SUBDIVISION.
11. THE DEVELOPER SHALL OFFER TO DEDICATE THE SECTION OF LAND LABELED AS "PARCEL - A - TOWN OF ROLESVILLE PARK EXPANSION" ON THE CONCEPT PLAN FOR USE AS A PUBLIC PARK. THIS LAND SHALL COUNT TOWARD OPEN SPACE REQUIREMENTS FOR THE OVERALL DEVELOPMENT.
12. THE PROJECT SHALL HAVE A PUBLIC GREENWAY STUBBED TO THE 307 S. MAIN STREET PROPERTY LINE NEAR "ACCESS C" AS SHOWN ON THE "PARKER RIDGE TRAFFIC IMPACT ANALYSIS" PREPARED BY STANTEC CONSULTING SERVICES, INC., DATED FEBRUARY 2, 2023 (THE "TIA"). NOTWITHSTANDING THE FOREGOING, THE PROJECT SHALL NOT HAVE A PUBLIC STREET ACCESS TO SCHOOL STREET.
13. DEVELOPER SHALL DESIGN AND CONSTRUCT: (1) THE PUBLIC COLLECTOR STREET IDENTIFIED AS ACCESS D IN THE TIA THAT EXTENDS THE STREET NETWORK WITHIN THE DEVELOPMENT THROUGH WAKE COUNTY PIN 1768-09-8727 (THE "CAMPUS SITE") TO E YOUNG STREET ("ACCESS D ROUTE"); AND (2) A NORTHBOUND LEFT TURN LANE WITH 75 FEET OF FULL-WIDTH STORAGE AND APPROPRIATE TAPER FROM YOUNG STREET TO ACCESS D AS RECOMMENDED BY THE TIA ("TURN LANE") (ACCESS D ROUTE AND TURN LANE ARE COLLECTIVELY REFERRED TO AS THE "YOUNG STREET CONNECTION"). THE YOUNG STREET CONNECTION SHALL BE DESIGNED AND CONSTRUCTED TO TOWN OF ROLESVILLE AND NCDOT STANDARDS AND ACCESS D SHALL BE LOCATED IN SUBSTANTIAL CONFORMANCE WITH THE CORRIDOR SHOWN IN THE ATTACHED EXHIBIT E. THE STREET SECTION FOR ACCESS D SHALL BE CONSTRUCTED AS SHOWN IN THE ATTACHED EXHIBIT F. DEVELOPER SHALL BE RESPONSIBLE FOR ALL COSTS TO DESIGN AND CONSTRUCT THE YOUNG STREET CONNECTION (THE "COSTS") AND DEVELOPER SHALL BE ENTITLED TO A CREDIT AGAINST THE PROJECT'S TRANSPORTATION IMPACT FEES FOR THE COSTS. CONSTRUCTION OF THE YOUNG STREET CONNECTION SHALL COMMENCE PRIOR TO APPROVAL OF THE 105TH DWELLING UNIT BUILDING PERMIT FOR THE PROJECT AND SHALL BE COMPLETE NOT LATER THAN APPROVAL OF THE 138TH DWELLING UNIT BUILDING PERMIT FOR THE PROJECT.

WHILE IT IS ANTICIPATED THAT THIS CONDITION WILL BE CLARIFIED BY A FORMAL DEVELOPMENT AGREEMENT, REIMBURSEMENT AGREEMENT, OR OTHER WRITTEN AGREEMENT BETWEEN THE DEVELOPER AND THE TOWN, THE ABSENCE OF SUCH A SUBSEQUENT WRITTEN AGREEMENT SHALL NOT BE DEEMED TO INVALIDATE THIS CONDITION. THIS CONDITION IS SUBJECT TO THE FOLLOWING CAVEATS:

- IN THE EVENT THE CAMPUS SITE, AN APPROVED ALIGNMENT WITHIN THE EXHIBIT E CORRIDOR, OR NECESSARY RIGHTS-OF-WAY, EASEMENTS, OR OTHER PROPERTY RIGHTS ARE MADE UNAVAILABLE TO THE PROJECT, THIS CONDITION SHALL BE DEEMED EXTINGUISHED.
- IN THE EVENT THE TOWN COMMENCES DESIGN AND/OR DEVELOPMENT OF ANY PART OF THE YOUNG STREET CONNECTION, THE DEVELOPER'S OBLIGATIONS FOR DESIGN AND/OR DEVELOPMENT, AS APPROPRIATE, FOR THOSE PORTIONS OF THE YOUNG STREET CONNECTION SHALL BE DEEMED EXTINGUISHED. FOR PURPOSES OF CLARITY, DEVELOPER SHALL REMAIN ENTITLED TO A CREDIT AGAINST THE PROJECT'S TRANSPORTATION IMPACT FEES FOR REMAINING COSTS.

"PROJECT" SHALL MEAN "PARKER RIDGE" AS DESCRIBED BY MA 22-03 AND ANX 22-06.
"DEVELOPER" SHALL MEAN LENNAR CAROLINAS LLC, AND ITS SUCCESSORS AND ASSIGNS.

| PROJECT OWNER AND CONSULTANT INFORMATION | | | |
|---|---|---|---|
| DEVELOPER:<br>LENNAR CORPORATION<br>1100 PERIMETER PARK DRIVE, SUITE 112<br>MORRISVILLE, NC 27560<br>(919) 863-6461<br><br>CONTACT: MICHAEL TAYLOR, PE LEED AP | ENGINEER:<br>BGE, INC<br>5400 WADE PARK BOULEVARD<br>RALEIGH, NORTH CAROLINA 27607<br>(919) 276-0111<br><br>CONTACT: DEBRA FERM, P.E. | BOUNDARY SURVEYOR:<br>JOHNSON, MIRMIRAN & THOMPSON, INC.<br>9201 ARBORETUM PARKWAY SUITE 310<br>RICHMOND, VA 23236<br>(804) 267-1258<br><br>CONTACT MICHAEL ZMUDA, L.S., P.S. | TOPOGRAPHIC SURVEYOR:<br>ADVANCED CIVIL DESIGN, INC.<br>51 KILMAYNE DRIVE SUITE 102<br>CARY, NC 27511<br>(919) 460-2024<br><br>CONTACT: JAMES WHITACRE, P.E., L.S. |

| SHEET LIST TABLE | |
|---|---|
| SHEET NUMBER | SHEET TITLE |
| C0-0 | COVER SHEET |
| C0-1 | GENERAL NOTES |
| C1-0 | EXISTING CONDITIONS (1 OF 4) |
| C1-1 | EXISTING CONDITIONS (2 OF 4) |
| C1-2 | EXISTING CONDITIONS (3 OF 4) |
| C1-3 | EXISTING CONDITIONS (4 OF 4) |
| C1-4 | OVERALL DEMOLITION PLAN |
| C2-0 | OVERALL SITE PLAN |
| C2-1 | ENLARGED SITE PLAN (1 OF 6) |
| C2-2 | ENLARGED SITE PLAN (2 OF 6) |
| C2-3 | ENLARGED SITE PLAN (3 OF 6) |
| C2-4 | ENLARGED SITE PLAN (4 OF 6) |
| C2-5 | ENLARGED SITE PLAN (5 OF 6) |
| C2-6 | ENLARGED SITE PLAN (6 OF 6) |
| C2-7 | PHASING PLAN |
| C3-0 | OVERALL UTILITY PLAN |
| C3-1 | ENLARGED UTILITY PLAN (1 OF 6) |
| C3-2 | ENLARGED UTILITY PLAN (2 OF 6) |
| C3-3 | ENLARGED UTILITY PLAN (3 OF 6) |
| C3-4 | ENLARGED UTILITY PLAN (4 OF 6) |
| C3-5 | ENLARGED UTILITY PLAN (5 OF 6) |
| C3-6 | ENLARGED UTILITY PLAN (6 OF 6) |
| C4-0 | OVERALL GRADING PLAN |
| C4-1 | ENLARGED GRADING PLAN (1 OF 6) |
| C4-2 | ENLARGED GRADING PLAN (2 OF 6) |
| C4-3 | ENLARGED GRADING PLAN (3 OF 6) |
| C4-4 | ENLARGED GRADING PLAN (4 OF 6) |
| C4-5 | ENLARGED GRADING PLAN (5 OF 6) |
| C4-6 | ENLARGED GRADING PLAN (6 OF 6) |
| C5-0 | OVERALL PHASE 1 EROSION CONTROL PLAN |
| C5-1 | ENLARGED PHASE 1 EROSION CONTROL PLAN (1 OF 6) |
| C5-2 | ENLARGED PHASE 1 EROSION CONTROL PLAN (2 OF 6) |
| C5-3 | ENLARGED PHASE 1 EROSION CONTROL PLAN (3 OF 6) |
| C5-4 | ENLARGED PHASE 1 EROSION CONTROL PLAN (4 OF 6) |
| C5-5 | ENLARGED PHASE 1 EROSION CONTROL PLAN (5 OF 6) |
| C5-6 | ENLARGED PHASE 1 EROSION CONTROL PLAN (6 OF 6) |
| C5-7 | OVERALL PHASE 2 EROSION CONTROL PLAN |
| C5-8 | ENLARGED PHASE 2 EROSION CONTROL PLAN (1 OF 6) |
| C5-9 | ENLARGED PHASE 2 EROSION CONTROL PLAN (2 OF 6) |
| C5-10 | ENLARGED PHASE 2 EROSION CONTROL PLAN (3 OF 6) |
| C5-11 | ENLARGED PHASE 2 EROSION CONTROL PLAN (4 OF 6) |
| C5-12 | ENLARGED PHASE 2 EROSION CONTROL PLAN (5 OF 6) |
| C5-13 | ENLARGED PHASE 2 EROSION CONTROL PLAN (6 OF 6) |
| C6-0 | STREET A PLAN AND PROFILE |
| C6-1 | STREET B PLAN AND PROFILE |
| C6-2 | STREET C PLAN AND PROFILE (1 OF 2) |
| C6-3 | STREET C PLAN AND PROFILE (2 OF 2) |
| C6-4 | STREET D PLAN AND PROFILE |
| C6-5 | STREET E PLAN AND PROFILE |
| C6-6 | STREET F PLAN AND PROFILE |
| C6-7 | STREET G PLAN AND PROFILE |
| C6-8 | STREET H PLAN AND PROFILE |
| C6-9 | LONG MELFORD DRIVE PLAN AND PROFILE (1 OF 5) |
| C6-10 | LONG MELFORD DRIVE PLAN AND PROFILE (2 OF 5) |
| C6-11 | LONG MELFORD DRIVE PLAN AND PROFILE (3 OF 5) |
| C6-12 | LONG MELFORD DRIVE PLAN AND PROFILE (4 OF 5) |
| C6-13 | LONG MELFORD DRIVE PLAN AND PROFILE (5 OF 5) |
| C6-14 | ALLEY 1 PLAN AND PROFILE |
| C6-15 | ALLEY 2 PLAN AND PROFILE |
| C6-16 | ALLEY 3 PLAN AND PROFILE |
| C6-17 | ALLEY 4 PLAN AND PROFILE |
| C6-18 | GW1A GREENWAY PLAN AND PROFILE (1 OF 2) |
| C6-19 | GW1A GREENWAY PLAN AND PROFILE (2 OF 2) |
| C6-20 | GW1B GREENWAY PLAN AND PROFILE (1 OF 2) |
| C6-21 | GW1B GREENWAY PLAN AND PROFILE (2 OF 2) |
| C6-22 | GW2 GREENWAY PLAN AND PROFILE (1 OF 2) |
| C6-23 | GW2 GREENWAY PLAN AND PROFILE (2 OF 2) |
| C6-24 | GW3 GREENWAY PLAN AND PROFILE (1 OF 1) |
| C6-25 | GW4 GREENWAY PLAN AND PROFILE (1 OF 2) |
| C6-26 | GW4 GREENWAY PLAN AND PROFILE (2 OF 2) |
| C7-0 | SCM 1 PLAN AND PROFILE |
| C7-1 | SCM 2 PLAN AND PROFILE |
| C7-2 | SCM 3 PLAN AND PROFILE |
| C7-3 | SCM 4 PLAN AND PROFILE |
| C8-2 | EROSION CONTROL DETAILS (1 OF 2) |
| C8-3 | EROSION CONTROL DETAILS (2 OF 2) |
| C8-4 | SEWER DETAIL |
| C8-5 | STORM-DETAIL |
| C8-6 | WATER DETAIL (1 OF 2) |
| C8-7 | WATER DETAIL (2 OF 2) |
| C9-0 | OPEN SPACE PLAN |
| L1-0 | OVERALL LANDSCAPE PLAN |
| L1-1 | ENLARGED LANDSCAPE PLAN (1 OF 6) |
| L1-2 | ENLARGED LANDSCAPE PLAN (2 OF 6) |
| L1-3 | ENLARGED LANDSCAPE PLAN (3 OF 6) |
| L1-4 | ENLARGED LANDSCAPE PLAN (4 OF 6) |
| L1-5 | ENLARGED LANDSCAPE PLAN (5 OF 6) |
| L1-6 | ENLARGED LANDSCAPE PLAN (6 OF 6) |
| L1-7 | SCM PLANTINGS |
| L1-8 | LANDSCAPE DETAILS |

**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 _____
Date _____

**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 _____
Date _____

**EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT**
**APPROVED**
EROSION CONTROL ☐ S-_____
STORMWATER MGMT. ☐ S-_____
FLOOD STUDY ☐ S-_____
DATE_____
WAKE COUNTY GOVERNMENT
ENVIRONMENTAL CONSULTANT SIGNATURE

***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***.

**EROSION AND SEDIMENT CONTROL**
**APPROVED PLAN**
DATE_____
PERMIT NO. S-_____
Wake County Environmental Services
Sedimentation & Erosion Control
919-856-7400
WAKE COUNTY GOVERNMENT
ENVIRONMENTAL CONSULTANT SIGNATURE

811 Know what's below. Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORATION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

COVER SHEET

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042887 DEBRA M FERM
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C0-0

G:\NC\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C0-0 - COVR.dwg Layout: C0-0 Plotted: 6/1/2023 4:40:29 PM

## GENERAL NOTES

ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY AND STATE REGULATIONS AND CODES AND O.S.H.A. STANDARDS.

NO WORK WITHIN NCDOT OR TOWN OF ROLESVILLE RIGHT OF WAY SHALL TAKE PLACE WITHOUT ALL PERMITS.

EXISTING STRUCTURES WITHIN THE CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO. ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID. AREAS TO BE DISTURBED SHALL BE IMPROVED PER THE CIVIL PLANS OR RESTORED TO THEIR ORIGINAL OR BETTER CONDITION. CONTRACTOR SHALL REPAIR ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION TO THE EXISTING OR BETTER CONDITION.

SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY JMT AND ADVANCED CIVIL DESIGN. ALL INFORMATION IS TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL EMPLOY ALL NECESSARY BARRICADES, SIGNS, FENCES, FLASHING LIGHTS, TRAFFIC MEN, ETC. FOR MAINTENANCE AND PROTECTION OF TRAFFIC AS REQUIRED BY THE NORTH CAROLINA DEPT. OF TRANSPORTATION NCDOT AS APPLICABLE.

THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS DURING CONSTRUCTION.

APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. ANY GRADING BEYOND THE LIMITS OF CONSTRUCTION AS SHOWN ON THE GRADING AND DRAINAGE PLAN WITHOUT AUTHORIZATION IS SUBJECT TO A FINE, WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS AND THE TOWN OF ROLESVILLE.

CONTRACTOR AGREES TO REPAIR ANY DAMAGE TO THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE STANDARDS OF THE NCDOT AND THE TOWN OF ROLESVILLE.

ALL STANDARD NUMBERS REFER TO THE NCDOT STANDARD DETAILS AND SPECIFICATIONS AND THE LATEST EDITION OF THE RALEIGH UNIFIED DEVELOPMENT ORDINANCE.

THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.

THE CONTRACTOR SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN A UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.

CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

CONTRACTOR SHALL POST ASSIGNED BUILDING PERMIT NUMBER AND ADDRESS ON BUILDING.

IN ROLLING OR HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.

CONTACT APPROPRIATE UTILITY COMPANIES TO RELOCATE ANY EXISTING UTILITY AND/OR LIGHT POLES. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT MUST BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR.

## UTILITY NOTES

THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 (NC811) AT 811 OR (800)632-4949 TO COORDINATE FOR THE IDENTIFICATION OF EXISTING UTILITIES WITHIN THE SITE.

SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY FOR DIRECTIONS.

CONTRACTOR SHALL COORDINATE ANY INTERRUPTION OF UTILITY SERVICE WITH OWNER AND RESPECTIVE UTILITY COMPANY REPRESENTATIVE.

THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE UTILITY PROVIDER FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE.

ANY PLANNED INTERRUPTION OF UTILITY SERVICE SHALL BE GIVEN A 48 HOUR NOTICE TO THE UTILITY COMPANY AND THE OWNER.

CONTRACTOR SHALL SAW CUT, REMOVE, AND REPLACE ASPHALT PAVEMENT AS NECESSARY TO INSTALL UNDERGROUND ELECTRIC,TELEPHONE, SEWER, WATER, AND COMMUNICATION CONDUITS.

ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE PER DUKE ENERGY STANDARDS.

ALL UTILITIES ARE TO BE UNDERGROUND.

## TRAFFIC CONTROL & PEDESTRIAN PLAN (TCPED) NOTES

PRIOR TO ANY WORK THAT IMPACTS THE RIGHT-OF-WAY, CLOSING OR DETOURING OF ANY STREET, LANE, OR SIDEWALK, THE CONTRACTOR MUST APPLY FOR A PERMIT WITH RIGHT-OF-WAY SERVICES. PLEASE DIRECT ANY QUESTIONS TO RIGHTOFWAYSERVICES@RALEIGHNC.GOV.

- THE STREET, LANE, SIDEWALK, CLOSURE PERMIT IS REQUIRED FOR ANY CLOSURE ON CITY STREETS AND ALL NCDOT STREETS WITHIN RALEIGH'S JURISDICTION.
- A PERMIT REQUEST WITH A TCPED PLAN SHALL BE SUBMITTED TO RIGHT-OF-WAY SERVICES THROUGH THE CITY OF RALEIGH PERMIT AND DEVELOPMENT PORTAL.
- PRIOR TO THE START OF WORK, THE CLIENT SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE ENGINEERING INSPECTIONS COORDINATOR TO REVIEW THE SPECIFIC COMPONENTS OF THE APPROVED PLAN, AND ENSURE ALL PERMITS ARE ISSUED.
- ALL TCPED PLANS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS AND STANDARDS, INCLUDING BUT NOT LIMITED TO:
  - MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD);
  - PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG);
  - AMERICAN DISABILITY ACT (ADA) REQUIREMENTS;
  - RALEIGH STREET DESIGN MANUAL (RSDM).
- ALL PUBLIC SIDEWALKS MUST BE ACCESSIBLE TO PEDESTRIANS WHO ARE VISUALLY IMPAIRED AND/OR PEOPLE WITH MOBILITY CONCERNS. EXISTING AND ALTERNATIVE PEDESTRIAN ROUTES DURING CONSTRUCTION SHALL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), THE ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL PERMITS MUST BE AVAILABLE AND VISIBLE ON SITE DURING THE OPERATION

## PAVING, GRADING AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTIONAL RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR NCDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
3. TRAFFIC CONTROL ON ALL NCDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SEEDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
7. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
9. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
10. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
11. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO NCDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
12. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
13. ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
15. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE.
16. SEED, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
17. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
18. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

## RETAINING WALL NOTES

DESIGN OF ALL RETAINING WALLS IS TO BE PER INTERNATIONAL BUILDING CODE SECTION 1610.3.

CONTRACTOR SHALL PROVIDE DETAILED RETAINING WALL DESIGN DRAWINGS, SEALED BY A NC LICENSED ENGINEER, AND SHALL SUBMIT TO THE LOCAL AUTHORITY FOR APPROVAL PRIOR TO CONSTRUCTION.

A NC LICENSED ENGINEER MUST PERFORM CONSTRUCTION OBSERVATION, VERIFYING IN A SEALED LETTER TO THE LOCAL AUTHORITY, ENGINEER AND OWNER THAT RETAINING WALLS ARE CONSTRUCTED PER THE ENGINEERING DRAWINGS IN COMPLIANCE WITH INTERNATIONAL BUILDING CODE.

## EROSION CONTROL MAINTENANCE REQUIREMENTS

SILT FENCE SHALL BE MAINTAINED AROUND THE PERIMETER OF ALL EARTHWORK AREAS TO PREVENT SEDIMENT TRANSPORT ONTO ADJACENT PROPERTIES OR OFFSITE ROADWAYS, AS APPLICABLE.

SILT FENCE FILTER BARRIERS SHALL BE INSTALLED AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETE

CONSTRUCTION ENTRANCE

- THE GRAVEL CONSTRUCTION ENTRANCE MUST BE MAINTAINED IN A CONDITION TO PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO ADJACENT ROADWAYS.
- REPLACEMENT OF STONE MAY BE NECESSARY TO ENSURE THE GRAVEL ENTRANCE FUNCTIONS PROPERLY. REPLENISHMENT OF STONE MAY BE NECESSARY.
- FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE SHOULD BE COMPLETED.
- ANY MATERIAL TRACKED ONTO THE ROADWAY SHALL BE CLEANED UP IMMEDIATELY.

SILT FENCE

- INSPECT THE SILT FENCE ON A REGULAR BASIS AND AFTER EACH SIGNIFICANT RAINFALL. MAKE ANY REPAIRS IMMEDIATELY.
- INSPECT THE SILT FENCE TO BE SURE THE BOTTOM OF THE GEOTEXTILE IS KEYED IN PROPERLY.
- AT A MINIMUM, REMOVE AND DISPOSE OF ALL SILT ACCUMULATIONS WHEN DEPTH REACHES 1/2 THE HEIGHT OF THE GEOTEXTILE. DO NOT UNDERMINE THE FENCE DURING CLEANOUT.
- DISPOSE OF SEDIMENT BY HAULING IT TO AN APPROVED WASTE SITE WITH APPROPRIATE PERIMETER PROTECTION.
- REMOVE AND REPLACE DETERIORATED OR CLOGGED SILT FENCE.
- REPLACE SILT FENCE REMOVED FOR ACCESS AT THE END OF EACH DAY'S OPERATION.
- INSTALL ADDITIONAL POSTS OR WIRE BACKING IF FENCE IS SAGGING.

TEMPORARY DIVERSION

- DEVICES SHOULD BE INSPECTED ON REGULAR BASIS AND AFTER EACH SIGNIFICANT RAINFALL
- AT A MINIMUM, SEDIMENT SHOULD BE REMOVED FROM THE CHANNEL WHEN THE TEMPORARY DIVERSION IS 50 PERCENT OF THE DESIGN DEPTH
- TEMPORARY DIVERSIONS SHOULD BE IMMEDIATELY REPAIRED IF DAMAGED BY EQUIPMENT OR BREACHED BY RUNOFF

SILT FENCE OUTLET

- INSPECT THE DEVICE PERIODICALLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT FOR DAMAGE AND SEDIMENT ACCUMULATION TO CONFIRM THE DEVICE IS FUNCTIONING PROPERLY.
- AT A MINIMUM, REMOVE SEDIMENT FROM THE DEVICE WHEN ACCUMULATIONS REACH ONE-HALF THE HEIGHT OF THE SEDIMENT CONTROL STONE.
- REPLACE OR CLEAN THE SEDIMENT CONTROL STONE AS NEEDED TO ALLOW WATER TO DRAIN THROUGH THE DEVICE BETWEEN RAINFALL EVENTS.
- REBUILD AND/OR REPAIR THE DEVICE WHEN IT IS DAMAGED.
- REPAIR AREAS WHERE SSCF BECOMES UNDERMINED DUE TO CONCENTRATED FLOWS.

TEMPORARY SLOPE DRAIN

- INSPECT SLOPE DRAINS AFTER EACH SIGNIFICANT RAINFALL OF 0.5 INCHES OR GREATER, OVER A 24-HOUR PERIOD.
- REBUILD EARTH BERMS AND INLETS THAT HAVE WEAKENED DUE TO SCOURING.
- EXTEND SLOPE DRAINS AND REBUILD INLET PROTECTION AS SLOPE IS BUILT, AFTER EACH 2-FOOT INCREASE IN HEIGHT.
- REBUILD OR REPAIR SLOPE DRAINS IF NEEDED WHEN SEEDING AND MULCHING IS PERFORMED.
- REFURBISH CLASS B STONE OUTLET PROTECTION AND CLEAN AS NEEDED.

RECP

- REPAIR EROSION AND/OR UNDERMINING AT THE TOP OF THE SLOPE.
- REPAIR UNDERMINING BENEATH MATTING. PULL BACK MATTING, FILL AND COMPACT ERODED AREA, RESEED AND THEN SECURE MATTING FIRMLY.
- REPOSITION OR REPLACE MATTING THAT HAS MOVED ALONG THE SLOPE OR CHANNEL AND SECURE FIRMLY.
- REPLACE DAMAGED MATTING.

WATTLE

- THE UP-GRADIENT SIDE OF THE WATTLE BARRIER SHOULD BE MAINTAINED TO ALLOW THE WATER TO FLOW THROUGH, REDUCE VELOCITY AND ALLOW SEDIMENTATION TO OCCUR.
- IF THE NATURAL FIBERS OF THE WATTLE BARRIER BECOME TOO SATURATED WITH DEBRIS, SEDIMENT, ETC., AND REMOVAL OF THESE ITEMS IS NOT POSSIBLE, WATTLE BARRIERS SHOULD BE REPLACED.
- STAKES SHOULD BE USED TO ANCHOR THE WATTLE BARRIER ADEQUATELY TO THE GROUND TO PREVENT SCOURING AND WASHOUT DURING STORM EVENTS.
- THE EXCELSIOR PAID BENEATH THE WATTLES IS CRITICAL TO THE PROPER FUNCTIONING OF THE WATTLES.

RISER BASIN

- INSPECT THE BASIN AND RISER ON A REGULAR BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
- INSPECT THE RISER FOR PROPER OPERATION. REMOVE DEBRIS FROM AROUND THE RISER OR THE TRASH RACK.
- CHECK THE SKIMMER FOR PROPER FUNCTIONING AND TO VERIFY THAT IT IS NOT CLOGGED WITH SEDIMENT.
- MAKE SURE THE VENT PIPE ON THE SKIMMER IS TURNED UPRIGHT.
- INSPECT THE BARREL FOR SEEPAGE AROUND THE PIPE AT THE OUTLET.
- INSPECT THE EMBANKMENT, BAFFLES, OVERFLOW SPILLWAY AND OUTLET FOR EROSION DAMAGE.
- AT A MINIMUM, REMOVE SEDIMENT WHEN THE BASIN VOLUME REACHES 50% OF THE TOTAL STORAGE VOLUME AND AS NEEDED.

SKIMMER BASIN

- INSPECT THE BASIN ON A REGULAR BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
- CLEAN OUT THE BASINS WHEN SEDIMENT ACCUMULATIONS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE FIRST BAFFLE.
- CHECK THE SKIMMER TO MAKE SURE THAT IT IS NOT CLOGGED WITH SEDIMENT.
- CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE.
- CHECK THE COIR FIBER MAT AT THE OUTLET OF THE SKIMMER TO DETERMINE IF A REPLACEMENT IS NEEDED.
- DURING WINTER, SUPPORT THE SKIMMER AT AN ANGLE SUCH THAT WATER DOES NOT STAND INSIDE THE BARREL. THIS COULD RESULT IN THE WATER FREEZING AND PLUGGING THE SKIMMER.
- REPAIR SEED AND REPLACE MATTING ON THE SIDE SLOPE AREAS THAT HAVE ERODED OR HAVE BECOME DAMAGED BY EQUIPMENT FROM SILT CLEANOUT.
- REMOVE SEDIMENT THAT MAY ACCUMULATE ON THE STONE PAD UNDERNEATH THE SKIMMER DEVICE.
- INSPECT BAFFLES AFTER EACH RAIN EVENT FOR EROSION DAMAGE AND SEDIMENT ACCUMULATIONS.

COIR FIBER BAFFLE

- INSPECT BAFFLES ON A REGULAR BASIS AND AFTER EACH SIGNIFICANT RAINFALL EVENT. MAKE ANY REPAIRS IMMEDIATELY.
- INSPECT COIR FIBER BAFFLE TO BE SURE THE ENDS OF THE MAT ARE ANCHORED INTO THE GROUND OR SIDE SLOPES WITH STAPLES.
- AT A MINIMUM, REMOVE SEDIMENT FROM THE DEVICE WHEN IT REACHES ½ THE BAFFLE HEIGHT, AND DO NOT DAMAGE THE BAFFLES DURING SEDIMENT CLEANOUT.
- REMOVE AND REPLACE DETERIORATED OR CLOGGED BAFFLES.
- INSTALL ADDITIONAL POSTS OR WIRE BACKING IF BAFFLE IS SAGGING.

TEMPORARY STREAM CROSSING

- INSPECT FILTRATION GEOTEXTILE, STONE AND PIPE(S) AFTER EACH SIGNIFICANT RAINFALL.
- REPLACE GEOTEXTILE AND REPLENISH THE STONE WHEN THEY BECOME CONTAMINATED WITH SEDIMENT.
- DAMAGED TEMPORARY PIPE(S) SHOULD BE REPAIRED OR REPLACED IMMEDIATELY.
- REPLACE ANY CLASS B OR NO. 57 STONE THAT GETS DISLODGED OR DAMAGED.
- CLEAN PIPE(S) IF CLOGGED WITH DEBRIS.

| REV | DATE | COMMENT |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

GENERAL NOTES

NORTH CAROLINA PROFESSIONAL
PRELIMINARY
ENGINEER
DEBRA M. FERRI
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C0-1

811 Know what's below. Call before you dig.

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C0-1 - NOTE.dwg Layout: C0-1 Plotted: 5/31/2023 9:21:56 AM

Please provide matchlines for ease of review and reference.

The property owner, zoning district, and use of ALL adjacent properties should be shown.

50' NEUSE BUFFER

C/L STREAM

EX. SAN MH #40365
TC: 398.25'
INV IN: 388.28' (N)
INV OUT: 388.20' (S)

160.07' 10" PVC @ 0.05% SA

EX. CB #11600
TC: 401.65'
INV IN: 397.25' (N)
INV IN: 397.57' (E)
INV OUT: 397.24' (S)

EX. CB #11648
TC: 401.55'
INV OUT: 398.50' (W)

EX. STRUCTURE

EX. STORM MH #12551
TC: 400.60'
INV IN: 395.97' (NE)
INV OUT: 395.86' (W)

EX. STORM MH #12551
TC: 398.66'
INV IN: 394.25' (NE)
INV OUT: 394.15' (W)

EX. SAN MH #40164
TC: 407.16'
INV OUT: 396.17' (SE)

EX. SAN MH #20596
TC: 395.27'
INV IN: 387.09' (SW)
INV OUT: 386.86' (SE)

277.01' 10" CLAY @ 0.31%

EX. SAN MH #40158
TC: 404.58'
INV IN: 395.60' (NW)
INV OUT: 395.58' (S)

34.90' 10" CLAY @ 1.63%

210.04' 10" CLAY @ 2.35%

180.69' 10" CLAY @ 1.52%

EX. SAN MH #40413
TC: 394.88'
INV IN: 385.84' (N)
INV OUT: 385.84' (SW)
INV IN: 386.01' (NW)

253.02' 12" PVC @ 0.39%

EX. SAN MH #40171
TC: 396.86'
INV IN: 389.98' (W)
INV OUT: 389.84' (E)

115.90' 10" CLAY @ 0.50%

EX. SAN MH #40147
TC: 399.97'
INV IN: 390.65' (N)
INV OUT: 390.57' (E)

C/L STREAM

EX. SAN MH #40425
TC: 392.64'
INV IN: 384.86' (NE)
INV OUT: 384.82' (SW)

EX. CB #12542
TC: 396.00'
INV IN: 391.58' (S)
INV OUT: 391.58' (W)

EX. CB #12536
TC: 396.00'
INV OUT: 392.03' (SW)

EX. CB #12537
TC: 395.97'
INV IN: 391.97' (NE)
INV OUT: 391.78' (W)

REDFORD PLACE DRIVE

260.46' 12" PVC @ 1.59%

EX. SAN MH #40280
TC: 390.18'
INV IN: 380.67' (NE)
INV OUT: 379.92' (S)

305.28' 12" PVC @ 0.25%

EX. SAN MH #40289
TC: 389.10'
INV IN: 379.30' (N)

WETLAND

C/L STREAM

50' NEUSE BUFFER

WETLAND

50' NEUSE BUFFER

EX. SAN MH #50261
TC: 351.78'
INV IN: 338.28' (NE)
INV OUT: 338.08' (SW)

EX. SAN MH #50279
TC: 343.33'
INV IN: 335.43' (NE)
INV OUT: 335.28' (SW)

50' NEUSE BUFFER

WETLAND

NORTH CAROLINA PROFESSIONAL L-5273 LAND SURVEYOR JAMES D. WHITMORE
4/3/2023

## LEGEND

- Iron Pin Found
- PK Nail Found
- RR Spike Found
- Monument Box
- Concrete Post
- Post Sign / Lamp
- Sign
- Traffic Box
- Iron Pin Set
- PK Nail Set
- Calculated Point
- Monument
- Electric Manhole
- Electric Transformer
- Comm Manhole
- Tel Pedestal
- Deciduous Tree
- Pine Tree
- Shrub
- Sanitary Manhole
- Sanitary Cleanout
- Storm Manhole
- Catch Basin
- Curb Inlet W / Grate
- Pole Elec
- Pole Elec Tel
- Pole Elec Tel Light
- Pole Tel
- Pole Light
- Pole Signal
- Sprinkler Valve Box
- Cable Box
- Guy Pole
- Guy Wire
- Fire Hydrant
- Water Valve
- Private Water Meter
- Mailbox
- Water Well
- Underground Electric
- Underground Fiber Obtic
- Underground Telecommunications
- Storm Sewer
- Sanitary Sewer
- Waterline
- Fence Line
- Edge of Pavement

GRAPHIC SCALE
0 30 60 120
1 inch = 60 feet

NC GRID NAD 83 (2011 ADJUSTMENT)

# EXISTING CONDITIONS
# Park Ridge Subdivision
# for
# Lennar

Town of Rolesville Wake County North Carolina


PLAN PREPARED BY:
ADVANCED CIVIL DESIGN
ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 102
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127
Firm License # C-2798
advancedcivildesign.com


SCALE: 1" = 60'
DATE: April 3, 2023
PROJECT #: 23-0008-1149

The property owner, zoning district, and use of ALL adjacent properties should be shown.

REDFORD PLACE DRIVE

EX. SAN MH #40358
TC: 406.77'
INV OUT: 392.18' (S)

EX. CB #11436
TC: 406.96'
INV IN: 402.68' (E)
INV OUT: 402.63' (S)

EX. CB #11437
TC: 407.00'
INV IN: 403.12' (N)
INV OUT: 403.02' (W)

EX. FENCE

EX. STRUCTURE

EX. SAN MH #12880
TC: 381.25'
INV IN: 374.05' (N)
INV OUT: 373.95' (SW)

EDGE OF WATER

LAKE

50' NEUSE BUFFER

366.75' 10" DIP @ 1.54%

EX. SAN MH #41225
TC: 375.21'
INV IN: 368.31' (NE)
INV OUT: 368.26' (SE)

308.88' 10" DIP @ XXXX%

EX. SAN MH #50251
TC: 373.71' LOCKED

122.21' 10" DIP

104.61' 10" DIP @ 7.39%

EX. SAN MH #50247
TC: 357.97'
INV IN: 353.52' (NW)
INV OUT: 353.37' (SE)

EX. SAN MH #41243
TC: 354.54'
INV IN: 345.64' (NW)
INV OUT: 346.54' (SW)

WETLAND

50' NEUSE BUFFER

360.02' 10" DIP @ 2.02%

247.42' 10" DIP @ 2.47%

EX. SAN MH #50261
TC: 351.78'
INV IN: 338.28' (NE)
INV OUT: 338.08' (SW)

EX. SAN MH #50279
TC: 343.33'
INV IN: 335.43' (NE)
INV OUT: 335.28' (SW)

WETLAND

WETLAND

30" RCP
INV. 395.08

30" RCP
INV. 394.06

30" RCP
INV. 393.18

30" RCP
INV. 392.27

401.52' 10" PVC @ 0.62%

EX. CB #11427
TC: 404.26'
INV IN: 400.26' (N)
INV IN: 400.23' (E)
INV OUT: 399.64' (S)

EX. CB #11426
TC: 404.11'
INV OUT: 400.69' (W)

EX. SAN MH #40361
TC: 398.63'
INV IN: 389.70' (N)
INV OUT: 389.67' (SW)

359.01' 10" PVC @ 0.84%

50' NEUSE BUFFER

C/L STREAM

166.07' 10" PVC @ 0.84%

EX. SAN MH #40365
TC: 398.25'
INV IN: 388.28' (N)
INV OUT: 388.20' (S)

EX. CB #11600
TC: 401.65'
INV IN: 397.25' (N)
INV IN: 397.57' (E)
INV OUT: 397.24' (S)

EX. CB #11648
TC: 401.55'
INV OUT: 398.50' (W)

215.83' 10" PVC @ 0.68%

EX. STORM MH #12561
TC: 400.60'
INV IN: 395.97' (NE)
INV OUT: 395.86' (W)

EX. STORM MH #12551
TC: 398.66'
INV IN: 394.25' (NE)
INV OUT: 394.15' (W)

EX. STRUCTURE

EX. SAN MH #40164
TC: 407.16'
INV OUT: 396.17' (SE)

EX. SAN MH #20596
TC: 395.27'
INV IN: 387.09' (SW)
INV OUT: 386.86' (SE)

277.01' 10" CLAY @ 0.31%

EX. SAN MH #40413
TC: 394.88'
INV IN: 385.84' (N)
INV OUT: 385.84' (SW)
INV IN: 386.01' (NW)

PVC @ 0.35%

EX. SAN MH #40158
TC: 404.58'
INV IN: 395.60' (NW)
INV OUT: 395.58' (S)

34.90' 10" CLAY @ 1.63%

210.04' 10" DIP @ 2.35%

180.69' 10" CLAY @ 1.52%

118.90' 10" CLAY @ 0.50%

EX. SAN MH #40171
TC: 396.86'
INV IN: 389.98' (W)
INV OUT: 389.84' (E)

## LEGEND

- Iron Pin Found
- PK Nail Found
- RR Spike Found
- Monument Box
- Concrete Post
- Post Sign / Lamp
- Sign
- Traffic Box
- Iron Pin Set
- PK Nail Set
- Calculated Point
- Monument
- Electric Manhole
- Electric Transformer
- Comm Manhole
- Tel Pedestal
- Deciduous Tree
- Pine Tree
- Shrub
- Sanitary Manhole
- Sanitary Cleanout
- Storm Manhole
- Catch Basin
- Curb Inlet W / Grate
- Pole Elec
- Pole Elec Tel
- Pole Elec Tel Light
- Pole Tel
- Pole Light
- Pole Signal
- Sprinkler Valve Box
- Cable Box
- Guy Pole
- Guy Wire
- Fire Hydrant
- Water Valve
- Private Water Meter
- Mailbox
- Water Well
- Underground Electric
- Underground Fiber Obtic
- Underground Telecommunications
- Storm Sewer
- Sanitary Sewer
- Waterline
- Fence Line
- Edge of Pavement

NORTH CAROLINA PROFESSIONAL SEAL L-5273 LAND SURVEYOR JAMES D. WHITE 4/3/2023

NC GRID NAD 83 (2011 ADJUSTMENT)

GRAPHIC SCALE
0 30 60 120
1 inch = 60 feet

# EXISTING CONDITIONS
## Park Ridge Subdivision for Lennar

Town of Rolesville Wake County North Carolina


PLAN PREPARED BY:
ADVANCED CIVIL DESIGN
ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 102
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127
Firm License # C-2798
advancedcivildesign.com


SCALE: 1" = 60'
DATE: April 3, 2023
PROJECT #: 23-0008-1149

EX. SAN MH #12880
TC: 381.25'
INV IN: 374.05' (N)
INV OUT: 373.95' (SW)

EDGE OF WATER

LAKE

50' NEUSE BUFFER

WETLAND

EX. STRUCTURE

366.75' 10" DIP @ 1.54%

FENCE

EX. SAN MH #41225
TC: 375.21'
INV IN: 368.31' (NE)
INV OUT: 368.26' (SE)

308.88' 10" DIP @ XXXX%

EX. SAN MH #50251
TC: 373.71' LOCKED

122.21' 10" DIP

104.61' 10" DIP @ 7.39%

EX. SAN MH #50247
TC: 357.97'
INV IN: 353.52' (NW)
INV OUT: 353.37' (SE)

EX. SAN MH #41243
TC: 354.54'
INV IN: 345.64' (NW)
INV OUT: 345.54' (SW)

360.02' 10" DIP @ 2.02%

247.42' 10" DIP @ 1.07%

EX. SAN MH #50261
TC: 351.78'
INV IN: 338.28' (NE)
INV OUT: 338.08' (SW)

EX. SAN MH #50279
TC: 343.33'
INV IN: 335.43' (NE)
INV OUT: 335.28' (SW)

EX. CB #11648
TC: 401.55'
INV OUT: 398.50' (W)

EX. STORM MH #12561
TC: 400.60'
INV IN: 395.97' (NE)
INV OUT: 395.86' (W)

EX. STORM MH #12551
TC: 398.66'
INV IN: 394.25' (NE)
INV OUT: 394.15' (W)

The property owner, zoning district, and use of ALL adjacent properties should be shown.

## LEGEND

- Iron Pin Found
- PK Nail Found
- RR Spike Found
- Monument Box
- Concrete Post
- Post Sign / Lamp
- Sign
- Traffic Box
- Iron Pin Set
- PK Nail Set
- Calculated Point
- Monument
- Electric Manhole
- Electric Transformer
- Comm Manhole
- Tel Pedestal
- Deciduous Tree
- Pine Tree
- Shrub
- Sanitary Manhole
- Sanitary Cleanout
- Storm Manhole
- Catch Basin
- Curb Inlet W / Grate
- Pole Elec
- Pole Elec Tel
- Pole Elec Tel Light
- Pole Tel
- Pole Light
- Pole Signal
- Sprinkler Valve Box
- Cable Box
- Guy Pole
- Guy Wire
- Fire Hydrant
- Water Valve
- Private Water Meter
- Mailbox
- Water Well
- Underground Electric
- Underground Fiber Obtic
- Underground Telecommunications
- Storm Sewer
- Sanitary Sewer
- Waterline
- Fence Line
- Edge of Pavement

GRAPHIC SCALE
0 30 60 120
1 inch = 60 feet

NC GRID NAD 83 (2011 ADJUSTMENT)

NORTH CAROLINA PROFESSIONAL L-5273 LAND SURVEYOR JAMES D. WHITCOMB
4/3/2023

# EXISTING CONDITIONS
## Park Ridge Subdivision
## for
## Lennar

Town of Rolesville Wake County North Carolina


PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 102
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127
Firm License # C-2798
advancedcivildesign.com


SCALE: 1" = 60'
DATE: April 3, 2023
PROJECT #: 23-0008-1149

**GRAPHIC SCALE**

0 30 60 120

1 inch = 60 feet

NC GRID NAD 83 (2011 ADJUSTMENT)

## LEGEND

- Iron Pin Found
- PK Nail Found
- RR Spike Found
- Monument Box
- Concrete Post
- Post Sign / Lamp
- Sign
- Traffic Box
- Iron Pin Set
- PK Nail Set
- Calculated Point
- Monument
- Electric Manhole
- Electric Transformer
- Comm Manhole
- Tel Pedestal
- Deciduous Tree
- Pine Tree
- Shrub
- Sanitary Manhole
- Sanitary Cleanout
- Storm Manhole
- Catch Basin
- Curb Inlet W / Grate
- Pole Elec
- Pole Elec Tel
- Pole Elec Tel Light
- Pole Tel
- Pole Light
- Pole Signal
- Sprinkler Valve Box
- Cable Box
- Guy Pole
- Guy Wire
- Fire Hydrant
- Water Valve
- Private Water Meter
- Mailbox
- Water Well
- Underground Electric
- Underground Fiber Obtic
- Underground Telecommunications
- Storm Sewer
- Sanitary Sewer
- Waterline
- Fence Line
- Edge of Pavement

The property owner, zoning district, and use of ALL adjacent properties should be shown.

EX. SAN MH #13254
TC: 413.91'
INV IN: 406.91' (NE)
INV OUT: 406.81' (S)

EX. SAN MH #40466
TC: 417.96'
INV IN: 411.91' (N)
INV OUT: 411.86' (S)

EX. SAN MH #13315
TC: 410.05'
INV IN: 405.35' (N)
INV OUT: 405.30' (W)

EX. SAN MH #13329
TC: 407.26'
INV IN: 400.56' (N)
INV IN: 400.76' (E)
INV OUT: 400.16' (S)

EX. SAN MH #13372
TC: 384.02'
INV IN: 376.67' (N)
INV OUT: 376.62' (S)

EX. SAN MH #12880
TC: 381.25'
INV IN: 374.05' (N)
INV OUT: 373.95' (SW)

WETLAND
EDGE WOODS
C/L STREAM
50' NEUSE BUFFER
LAKE
EDGE OF WATER
EX. STRUCTURE

NORTH CAROLINA PROFESSIONAL SEAL L-5273 LAND SURVEYOR JAMES D. WHITACRE

4/3/2023

# EXISTING CONDITIONS
## Park Ridge Subdivision
## for
## Lennar

Town of Rolesville Wake County North Carolina

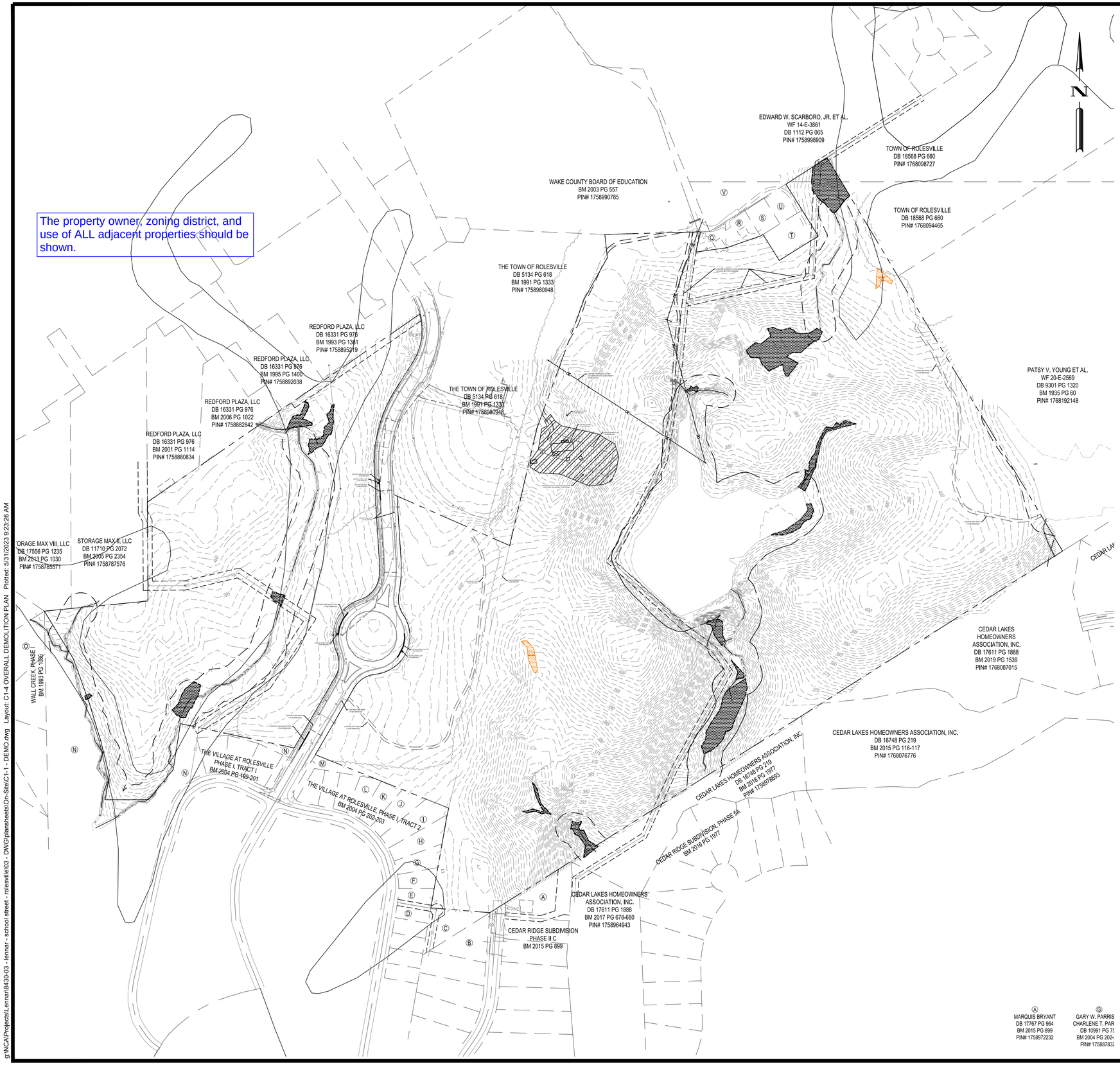

PLAN PREPARED BY:

ADVANCED CIVIL DESIGN
ENGINEERS SURVEYORS

51 Kilmayne Drive, Suite 102
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127
Firm License # C-2798
advancedcivildesign.com


SCALE: 1" = 60'
DATE: April 3, 2023
PROJECT #: 23-0008-1149

SHEET 4 / 4




The property owner, zoning district, and use of ALL adjacent properties should be shown.

Please add a legend or make the "Wetland" text more legible as it is hard to read even when reviewing digitally.

## DEMOLITION NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITIES ON SITE PRIOR TO DEMOLITION.
2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AND TREE PROTECTION PER THE SEQUENCE PRIOR TO BEGINNING DEMOLITION WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL OF (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
4. THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES AS NOTED AND SHOWN ON THESE PLANS AND AS DIRECTED BY THE OWNER.
5. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS AND PAY FEES REQUIRED FOR DEMOLITION AND HAUL-OFF FROM THE APPROPRIATE AUTHORITIES. THESE FEES SHALL BE INCLUDED WITH THE BID. THE CONTRACTOR SHALL PREPARE ALL DOCUMENTS AND ACQUIRE APPROPRIATE PERMITS AS REQUIRED PRIOR TO THE COMMENCEMENT OF DEMOLITION.
6. DEMOLITION IS DEPICTED IN THE DEMOLITION PLAN AND IS INTENDED TO DESCRIBE GENERAL DEMOLITION AND UTILITY WORK. IT IS NOT INTENDED TO IDENTIFY EACH ELEMENT OF DEMOLITION OR RELOCATION. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY PRIOR TO WORK.
7. CONTRACTOR TO COMPLETELY DEMOLISH AND DISPOSE OFFSITE IN A LAWFUL MANNER EXISTING BUILDINGS, INCLUDING FOUNDATIONS AND ALL APPURTENANCES LOCATED ON AND AROUND THE PROPERTY INCLUDING BUT NOT LIMITED TO BOLLARDS, GAS METERS, AIR CONDITIONING UNITS, SIGNS, CURBS, SIDEWALKS, ELECTRIC METERS, FENCING, STAIRS, WALLS, FOUNDATIONS, CONDUITS, LIGHT POLE BASES, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA, ETC. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH UTILITY COMPANY TO COORDINATE REMOVAL OF ALL UTILITIES AND FOR DETERMINING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES PRIOR TO COMMENCING WORK.
8. THE CONTRACTOR SHALL CUT AND PLUG, OR ARRANGE FOR THE APPROPRIATE UTILITY COMPANY TO CUT AND PLUG ALL SERVICE PIPING AT THE STREET LINE OR MAIN, AS REQUIRED, OR AS OTHERWISE NOTED. ALL SERVICES MAY NOT BE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL INVESTIGATE THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTEND OF SERVICE PIPING TO BE REMOVED, CUT OR PLUGGED.
9. CONTRACTOR SHALL COORDINATE WITH DUKE ENERGY IN THE REMOVAL/RELOCATION OF EXISTING UTILITY POLES AND OVERHEAD POWER LINES.
10. THE CONTRACTOR SHALL ARRANGE FOR RESETTING OF CURB BOXES, VALVE BOXES AND REMOVAL AND/OR RELOCATION OF OVERHEAD UTILITIES AND UTILITY POLES WITH THE APPROPRIATE UTILITY COMPANY.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
12. ALL EXISTING ITEMS TO REMAIN WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING ROAD SURFACES.
14. FINISHED SURFACES TO BE REMOVED OR DEMOLISHED SHALL BE CUT ALONG LINES OF JOINTS WHICH WILL PERMIT A NEAT SURFACE WHEN RESTORED.
15. SAW CUT AT INTERFACE OF PAVEMENT OR CURB TO REMAIN. SAW CUT EXISTING PAVEMENT AT THE RIGHT-OF-WAY, SAW CUTS SHALL BE MADE FULL DEPTH THROUGH THE EXISTING PAVEMENT. DISCARDED PAVEMENT SHALL BE REMOVED WITHOUT UNDERMINING THE EXISTING PAVEMENT.
16. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR.
17. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO THE ADJOINING PROPERTIES THROUGHOUT CONSTRUCTION.
18. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
19. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
20. ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL CONTRACTOR ONLY AFTER NOTIFICATION OF THE CIVIL ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE CONSTRUCTION MANAGER
21. THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED DISPOSAL AREA BY AN APPROPRIATELY LICENSED WASTE OIL HANDLING CONTRACTOR IN STRICT ACCORDANCE WITH FEDERAL AND STATE REQUIREMENTS ONLY AFTER NOTIFICATION OF THE CIVIL ENGINEER AND AUTHORIZATION TO PROCEED IS GIVEN BY THE CONSTRUCTION MANAGER.
22. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
23. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
24. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED.
25. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING CONSTRUCTION
26. ANY WATER WELLS ENCOUNTERED ARE TO BE BROUGHT TO THE CIVIL ENGINEER'S ATTENTION IMMEDIATELY AND PROPERLY ABANDONED BY A LICENSED WELL DRILLER.
27. ANY SEPTIC SYSTEMS ENCOUNTERED SHALL BE BROUGHT TO THE THE CIVIL ENGINEER'S ATTENTION IMMEDIATELY AND SHALL BE PROPERLY DEMOLISHED.
28. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY CONSTRUCTION MANAGER.
29. THIS PLAN DOES NOT PURPORT TO SHOW ALL REQUIRED DEMOTION. CONTRACTOR SHALL FIELD VERIFY PRIOR TO SUBMITTING BID.

Know what's below. Call before you dig.

| REV | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 04/03/2023 | 06/01/2023 | | | | | |
| | INITIAL SUBMITTAL | PER TOWN OF ROLESVILLE COMMENT | | | | | |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

# OVERALL DEMOLITION PLAN

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER DEBRA M. FERN
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C1-4

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\planesheets\On-Site\C1-1 - DEMO.dwg Layout: C1-4 OVERALL DEMOLITION PLAN Plotted: 5/31/2023 9:23:26 AM

ADJOINING PROPERTY OWNERS

(A) MARQUIS BRYANT
DB 17767 PG 984
BM 2015 PG 899
PIN# 1758972232

(B) JOHN SHANNON POPE & ALICIA POPE
DB 17361 PG 848
BM 2017 PG 107
PIN# 1758879088

(C) JOHN SHANNON POPE & ALICIA POPE
DB 17361 PG 848
BM 2017 PG 107
PIN# 1758879113

(D) WANDA ELOISE JONES
DB 17592 PG 1362
BM 2004 PG 202-203
PIN# 1758878107

(E) SUSAN JOHNSON
DB 11707 PG 860
BM 2004 PG 202-203
PIN# 1758878213

(F) ANDRE KELLY & ARTEMISIA KELLY
DB 18535 PG 497
BM 2004 PG 202-203
PIN# 1758878218

(G) GARY W. PARRISH & CHARLENE T. PARRISH
DB 10991 PG 755
BM 2004 PG 202-203
PIN# 1758878325

(H) THOMAS E. AUGUSTINE & KATHARINE THERESA SILEO AUGUSTINE
DB 18156 PG 791
BM 2004 PG 202-203
PIN# 1758878431

(I) THURMAN GREENE MILLER, JR. & SALLY EVERHART MILLER
DB 10993 PG 2523
BM 2004 PG 202-203
PIN# 1758878407

(J) PAUL D. HEWITT & TAMMY J. HEWITT
DB 15004 PG 251
BM 2004 PG 202-203
PIN# 1758877551

(K) ESTHER EIFERT
DB 18445 PG 747
BM 2004 PG 202-203
PIN# 1758876594

(L) NGOZI UMELO & DOMINIC UGORJI
DB 17030 PG 1045
BM 2004 PG 202-203
PIN# 1758876546

(M) THE VILLAGE AT ROLESVILLE HOMEOWNERS ASSOCIATION, INC.
DB 10381 PG 2701
BM 2003 PG 1124-1125
BM 2004 PG 202-203
PIN# 1758875606

(N) THE VILLAGE AT ROLESVILLE HOMEOWNERS ASSOCIATION, INC.
DB 10381 PG 2701
BM 2003 PG 1121-1123
BM 2004 PG 199-201
PIN# 1758777301

(O) KENNETH LEE TURNER & ANN JOHNSTON TURNER
DB 6319 PG 096
BM 1993 PG 1086
PIN# 1758784082

(P) JAMES L. EDWARDS & JOYCE P. EDWARDS
DB 7625 PG 828
BM 1993 PG 1086
PIN# 1758784109

(Q) DOROTHY JONES PENDER ET AL. (HEIRS OF DOROTHY D. JONES)
WF 16-E-4056
DB 1613 PG 481
PIN# 1758997386

(R) MICHAEL T. DEBNAM ET AL. (HEIRS OF RUTH UPCHURCH DEBNAM)
DB 11563 PG 1757
PIN# 1758998460

(S) RICHARD E. DUNN ET AL. (HEIRS OF MARY CATHRYN DUNN)
DB 9721 PG 2124
PIN# 1758999444

(T) ALBERT EMERY BURKE & KIMBERLY LUANNE BURKE
DB 15944 PG 1564
PIN# 1768090349

(U) ALBERT EMERY BURKE & KIMBERLY LUANNE BURKE
DB 15944 PG 1564
PIN# 1768090437

(V) EDWARD W. SCARBORO, JR. ET AL.
WF 14-E-3861
DB 1112 PG 065
PIN# 1758998560

LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED HANDICAP PAVEMENT MARKING
- PROPOSED SIGN
- PROPOSED ACCESSIBLE RAMP
- PROPOSED STANDARD DUTY CONCRETE PAVMT
- TYPICAL FITNESS STATION
- PROPOSED EASEMENT
- SDE — PROPOSED STORM EASEMENT
- PROPOSED ROW
- PROPOSED SETBACK
- PROPOSED BUFFER
- EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
- * POLLINATOR GARDEN
- FUTURE SIDEWALK

Add a Legend to the Overall Site Plan.

If a car is to park in the driveway, a minimum of 19' length clearance from front of garage shall be provided in accordance with 6.4.4.A.3 and 6.4.4.C.1.c.

STREET CURVE DATA TABLE

| CURVE # | LENGTH | RADIUS | DELTA | CHORD DIRECTION | CHORD LENGTH |
|---|---|---|---|---|---|
| C1 | 208.28 | 230.00 | 51.89 | N34° 27' 31"E | 201.24 |
| C2 | 189.68 | 230.00 | 47.25 | N32° 08' 30"E | 184.35 |
| C3 | 96.71 | 230.00 | 24.09 | S69° 26' 19"E | 96.00 |
| C4 | 43.11 | 230.00 | 10.74 | S62° 45' 44"E | 43.04 |
| C5 | 8.59 | 100.00 | 4.92 | N24° 22' 45"E | 8.59 |
| C6 | 33.08 | 100.00 | 18.96 | N17° 21' 43"E | 32.93 |
| C7 | 71.16 | 50.00 | 81.54 | N48° 39' 13"E | 65.30 |
| C8 | 75.72 | 50.00 | 86.76 | N13° 15' 53"W | 68.69 |
| C9 | 35.69 | 100.00 | 20.45 | N19° 53' 33"E | 35.50 |
| C10 | 21.38 | 100.00 | 12.25 | N15° 47' 36"E | 21.34 |
| C11 | 82.47 | 150.00 | 31.50 | N83° 52' 58"W | 81.44 |
| C12 | 13.70 | 50.00 | 15.70 | S75° 59' 00"E | 13.66 |
| C13 | 78.54 | 50.00 | 90.00 | S23° 07' 52"E | 70.71 |
| C14 | 206.52 | 230.00 | 51.45 | S37° 24' 30"E | 199.65 |
| C15 | 57.02 | 230.00 | 14.20 | N2° 31' 56"W | 56.87 |
| C16 | 126.46 | 230.00 | 31.50 | N6° 07' 02"E | 124.87 |
| C17 | 35.37 | 230.00 | 8.81 | N17° 27' 49"E | 35.33 |
| C18 | 28.19 | 230.00 | 7.02 | N16° 34' 11"E | 28.17 |
| C19 | 232.08 | 230.00 | 57.81 | N48° 59' 17"E | 222.36 |
| C20 | 381.42 | 300.00 | 72.85 | S67° 20' 46"E | 356.25 |

STREET LINE TABLE

| LINE # | LENGTH | DIRECTION |
|---|---|---|
| L2 | 186.99 | N60° 24' 04.81"E |
| L4 | 98.14 | N8° 30' 56.73"E |
| L5 | 128.99 | N8° 30' 56.73"E |
| L7 | 57.69 | N55° 46' 03.97"E |
| L8 | 19.93 | S34° 13' 56.03"E |
| L9 | 49.98 | S81° 29' 03.27"E |
| L11 | 119.89 | S57° 23' 34.67"E |
| L13 | 76.30 | S68° 04' 53.33"E |
| L14 | 46.28 | N21° 55' 06.67"E |
| L16 | 91.93 | N26° 50' 23.21"E |
| L18 | 157.51 | N7° 53' 02.28"E |
| L20 | 75.85 | N89° 25' 24.36"E |
| L21 | 100.17 | N56° 38' 47.00"W |
| L23 | 142.88 | N30° 07' 00.00"E |
| L25 | 85.49 | N9° 40' 05.66"E |
| L27 | 16.74 | N21° 55' 06.67"E |
| L28 | 46.36 | S80° 21' 57.23"W |
| L30 | 343.44 | N68° 07' 52.43"W |
| L31 | 20.00 | N21° 52' 07.57"E |
| L32 | 171.05 | S68° 07' 52.43"E |

STREET LINE TABLE

| LINE # | LENGTH | DIRECTION |
|---|---|---|
| L34 | 40.40 | S83° 50' 08.38"E |
| L35 | 310.70 | S68° 06' 51.30"E |
| L36 | 16.23 | S21° 52' 07.57"W |
| L38 | 350.44 | S68° 07' 52.43"E |
| L39 | 20.00 | N21° 52' 07.57"E |
| L40 | 399.13 | S68° 07' 52.43"E |
| L41 | 167.71 | S63° 07' 01.28"E |
| L43 | 108.80 | S11° 41' 07.91"E |
| L44 | 40.14 | S12° 03' 01.98"E |
| L45 | 342.55 | N4° 34' 11.00"E |
| L47 | 133.83 | N9° 38' 02.77"W |
| L49 | 337.55 | N21° 52' 07.57"E |
| L50 | 142.62 | N21° 52' 07.57"E |
| L52 | 375.19 | N13° 03' 30.96"E |
| L54 | 311.10 | N20° 04' 51.30"E |
| L56 | 315.99 | N76° 13' 49.66"E |
| L58 | 938.86 | S30° 55' 22.00"E |
| L64 | 165.31 | N44° 21' 49.14"E |
| L65 | 20.00 | S30° 55' 22.00"E |
| L66 | 785.98 | N59° 04' 38.00"E |

REAR LOAD TOWNHOME LOT DIMENSIONS (TYPICAL) NOT TO SCALE

SINGLE FAMILY LOT DIMENSIONS (TYPICAL) NOT TO SCALE

FRONT LOAD TOWNHOME LOT DIMENSIONS (TYPICAL) NOT TO SCALE

NOTE: ALL STREETS (PUBLIC AND PRIVATE) TO BE TRAFFIC RATED FOR FIRE AND SOLID WASTE VEHICLES.

SCALE: 1" = 150

Know what's below. Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397
©2023

LENNAR CORPORATION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

OVERALL SITE PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERRY PRELIMINARY NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C2-0

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C2-0 - SITE-PLAN.dwg Layout: C2-0 OVERALL SITE PLAN Plotted: 6/1/2023 1:39:33 PM

BM 2003 PG 557
PIN# 1758990785

SCHOOL STREET ℄
PER WAKE GIS

SCHOOL STREET
EDGE OF PAVEMENT
PER SURVEY

15'
TYPE 2 PERIMETER BUFFER

PROPERTY
BOUNDARY

25'
TYPE 3
PERIMETER
BUFFER

OPEN SPACE #9

TOWN OF ROLESVILLE
DB 18568 PG 660
PIN# 1768094465

EXTENT OF FLOOD PRONE SOIL
PER WAKE GIS

EXISTING STREAM ℄

20.0' EXISTING SANITARY
SEWER EASEMENT

50' NEUSE RIVER
BUFFER

Label
easement
type, width,
and nature.

Label
easement
width and
nature of
easement.

ROLESVILLE
PG 618
PG 1333
980948

PROPOSED RETAINING WALL
WITH 5' ACCESS EASEMENT

20' EXISTING SANITARY
SEWER EASEMENT

10' MULTI-USE PATH

STREET D

R37'

R45'

R300'

35' B/B

65' R/W STREET H

R28' (TYP)

10'

65'
R/W

LONG MELFORD DRIVE

R230'

15' X 280' SDT

PROPOSED 30' SANITARY
SEWER EASEMENT

PROPOSED RETAINING WALL

EXISTING STREAM ℄

LONG MELFORD DR.

5' CONCRETE
SIDEWALK

EXISTING 20' SANITARY
SEWER EASEMENT

Label the
width of this
easement and
whether it is
public or
private.

MATCHLINE C2-2

MATCHLINE C2-1

15' TYPE 2
PERIMETER
BUFFER

PROPERTY
BOUNDARY

5' CONCRETE
SIDEWALK

20' PRIVATE
ACCESS EASEMENT

LONG MELFORD DRIVE

R230'

35' B-B

60' ROW

20' EXISTING SANITARY
SEWER EASEMENT

50' NEUSE
RIVER BUFFER

5' CONCRETE
SIDEWALK (TYP)

PROPOSED RETAINING WALL
WITH 5' ACCESS EASEMENT

10' ASPHALT
TRAIL

PROPOSED RETAINING WALL
WITH 5' ACCESS EASEMENT

EXISTING
WETLANDS

20' STORMWATER MAINT.
& ACCESS EASEMENT

EXISTING
WETLAND

EXISTING STREAM ℄

5' (TYP)

20' (TYP)

20' (TYP)

SCM 3

10' ASPHALT GREENWAY W/
20' PUBLIC ACCESS EASEMENT

EXISTING NON-JURISDICTIONAL
STREAM ℄

STORM
DRAINAGE
EASEMENT

EXISTING
WETLANDS

50' NEUSE
RIVER BUFFER

OPEN SPACE #8

10' ASPHALT
GREENWAY AND 20'
ACCESS EASEMENT

MATCHLINE C2-1

MATCHLINE C2-3

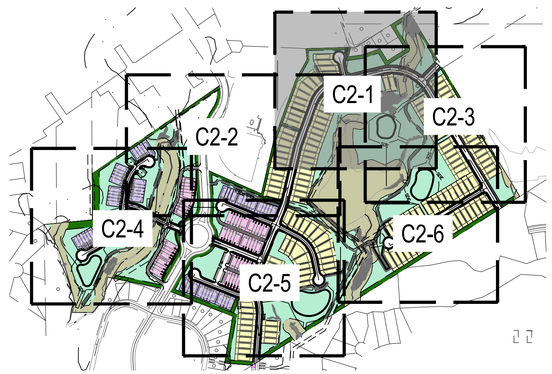
EXISTING WETLANDS

SCM 4

Label easement width.

## SITE PLAN LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED HANDICAP PAVEMENT MARKING
- PROPOSED SIGN
- PROPOSED ACCESSIBLE RAMP
- PROPOSED STANDARD DUTY CONCRETE PAVMT
- TYPICAL FITNESS STATION
- PROPOSED EASEMENT
- SDE — PROPOSED STORM EASEMENT
- PROPOSED ROW
- PROPOSED SETBACK
- PROPOSED BUFFER
- EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
- * POLLINATOR GARDEN
- FUTURE SIDEWALK




SHEET KEY

0 25' 50' 100'
SCALE: 1" = 50'

811
Know what's below.
Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82-SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED SITE PLAN
(1 OF 6)

NORTH CAROLINA PROFESSIONAL
PRELIMINARY
ENGINEER
DEBRA M. FERRI
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C2-1

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C3-0 - SITE-PLAN.dwg Layout: C2-1 ENLARGED SITE PLAN (1 OF 6) Plotted: 6/1/2023 1:39:48 PM

SITE PLAN LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED HANDICAP PAVEMENT MARKING
- PROPOSED SIGN
- PROPOSED ACCESSIBLE RAMP
- PROPOSED STANDARD DUTY CONCRETE PAVMT
- TYPICAL FITNESS STATION
- PROPOSED EASEMENT
- SDE — PROPOSED STORM EASEMENT
- PROPOSED ROW
- PROPOSED SETBACK
- PROPOSED BUFFER
- EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
- POLLINATOR GARDEN
- FUTURE SIDEWALK

REDFORD PLAZA, LLC
DB 16331 PG 976
BM 1993 PG 1381
PIN# 1758895219

REDFORD PLAZA, LLC
DB 16331 PG 976
BM 2006 PG 1022
PIN# 1758882842

PARCEL A
TOWN OF ROLESVILLE
PARK EXPANSION PROPERTY
±1.5 AC.

THE TOWN OF ROLESVILLE
DB 5134 PG 618
BM 1991 PG 1333
PIN# 1758980948

EXISTING 20' DRAINAGE EASEMENT
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
15' TYPE 2 PERIMETER BUFFER
OPEN SPACE #1
REDFORD PLACE DRIVE (50' PUBLIC R/W)
EX-ROW
ALIGNMENT TO BE CONFIRMED DURING CONSTRUCTION DRAWING REVIEW
FUTURE ALIGNMENT TO BE DETERMINED DURING CONSTRUCTION DRAWING REVIEW
PROPOSED 20' PUBLIC UTILITY EASEMENT
EXISTING STREAM
EXISTING 30' COR PUBLIC UTILITY EASEMENT
OFF-SITE SEGMENTS OF GREENWAY ARE SUBJECT TO APPROVAL BY THE TOWN OF ROLESVILLE
PROPOSED PUBLIC UTILITY EASEMENT
50' NEUSE RIVER BUFFER
PARALLEL PARKING
Label width of ADA space.
Label this box. Assuming it is another "Proposed Public Utility Easement".
Include size of open spaces.
50' NRB
PROPOSED 10' ASPHALT GREENWAY WITH 20' EASEMENT
EXISTING STREAM
ALLEY 3 (PUBLIC)
30' SEPARATION
6' SIDEWALK
20' LANDSCAPE BUFFER
MATCHLINE C2-2
MATCHLINE C2-5
GREENWAY CROSSWALK
20' PUBLIC SDE
20' PRIVATE SDE
STANDARD DRIVEWAY APRON
OPEN SPACE #3
OPEN SPACE #5
EXISTING SIDEWALK TO REMAIN
EXISTING 30' PUBLIC UTILITY EASEMENT
OPEN SPACE #4
STREET E
STREET C
ALLEY 1 (PRIVATE)
15' TYPE 2 PERIMETER BUFFER
25' TYPE 3 PERIMETER BUFFER
MATCHLINE C2-2
MATCHLINE C2-1
PROPERTY BOUNDARY
5' CONCRETE SIDEWALK
20' PRIVATE ACCESS EASEMENT
LONG MEXFORD DRIVE
5' CONCRETE SIDEWALK (TYP)
PROPOSED RETAINING WALL WITH 5' ACCESS EASEMENT
TOP OF BANK
20' EXISTING SANITARY SEWER EASEMENT
EXISTING 20' SANITARY SEWER EASEMENT
VARIABLE WIDTH SANITARY S EASEME
ZONING LINE
10' CORNER SETBACK
PUBLIC STORM DRAINAGE EASEMENT
50' NEUSE RIVER BUFFER
60' ROW
35' B-B
27' B-B
50' ROW
R5' TYP.
R45'
R37'
R50'
R40'
R23'
R230'
R26' (TYP)
24' (R/W)
20' (E-E)
20' (TYP)
5' (TYP)
15' X 240' SDT
15' X 260' SDT
105' BY 5.5'
60' BY 5.5'
R26' CL
R227.5'

SHEET KEY

C2-1
C2-2
C2-3
C2-4
C2-5
C2-6

SCALE: 1" = 50'

Know what's below. Call before you dig.

| REV | DATE | |
|---|---|---|
| | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED SITE PLAN
(2 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
PRELIMINARY
DEBRA M. FOX
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023

C2-2

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C3-0 - SITE-PLAN.dwg Layout: C2-2 ENLARGED SITE PLAN (2 OF 6) Plotted: 6/1/2023 1:39:58 PM

Label easement type and width.

Label easement width.

25' TYPE 3 PERIMETER BUFFER

20.0' EXISTING SANITARY SEWER EASEMENT

50' NEUSE RIVER BUFFER

7' MULTI-USE PATH

R300'

35' B/B

65' R/W STREET H

R28' (TYP)

PROPOSED RETAINING WALL

EXISTING STREAM

5' CONCRETE SIDEWALK (TYPICAL)

LONG MELFORD DRIVE

PROPERTY BOUNDARY

10' ASPHALT TRAIL

EXISTING WETLANDS

20' STORMWATER MAINT. & ACCESS EASEMENT

35' B-B

60' R/W

SCM 3

10' ASPHALT GREENWAY W/ 20' PUBLIC ACCESS EASEMENT

EXISTING NON-JURISDICTIONAL STREAM

STORM DRAINAGE EASEMENT

EXISTING WETLANDS

50' NEUSE RIVER BUFFER

OPEN SPACE #8

10' ASPHALT GREENWAY AND 20' ACCESS EASEMENT

20' STORMWATER MAINT. & ACCESS EASEMENT

MATCHLINE C2-1

MATCHLINE C2-3

EXISTING WETLANDS

SCM 4

15"X286' SDT

OPEN SPACE #10

50' NEUSE RIVER BUFFER

R28' (TYP)

35' B-B

7.6'

SDE

13.4"x46' SDT

60' R/W

10'

50' R/W

27' B-B

15"X286' SDT

EXISTING STREAM

PROPERTY BOUNDARY

MATCHLINE C2-3

MATCHLINE C2-6

20' STORMWATER MAINT., & ACCESS EASEMENT

10' ASPHALT

PATSY V. YOUNG ET AL.
WF 20-E-2569
DB 9301 PG 1320
BM 1935 PG 60
PIN# 1768192148

NOTE: DASHED POND EXTENTS PER GIS

15' TYPE 2 PERIMETER BUFFER

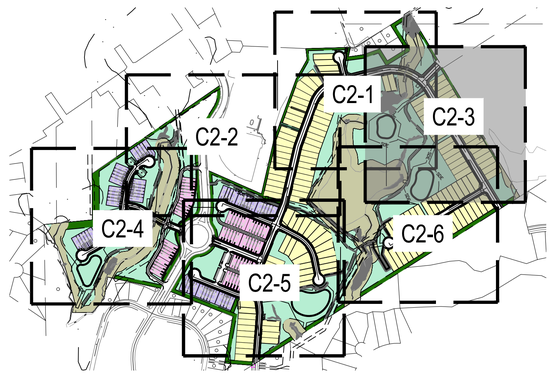
EXISTING POND

201 5,104 SF
202 5,104 SF
203 5,133 SF
204 5,023 SF
205 5,125 SF
206 5,125 SF
207 5,125 SF
208 5,125 SF
209 5,125 SF
210 5,125 SF
211 5,125 SF
212 5,125 SF
213 5,125 SF
214 5,125 SF
215 5,125 SF
216 5,125 SF
217 5,125 SF
218 5,125 SF
219 5,471 SF
222 5,040 SF
223 5,040 SF
224 5,040 SF
225 5,040 SF
226 5,040 SF
227 5,040 SF
228 5,040 SF
229 5,040 SF
230 5,040 SF
231 5,040 SF
232 5,040 SF
233 5,040 SF
234 5,040 SF
235 5,040 SF
236 5,040 SF
237 5,040 SF
238 5,107 SF
239 6,215 SF
240 5,043 SF
241 5,043 SF
242 5,043 SF
243 5,043 SF
244 5,043 SF
245 5,043 SF
246 5,043 SF
247 5,043 SF
248 5,043 SF
273 5,205 SF
274 5,195 SF
275 6,348 SF
277 5,092 SF
278 5,038 SF

N

SITE PLAN LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED HANDICAP PAVEMENT MARKING
- PROPOSED SIGN
- PROPOSED ACCESSIBLE RAMP
- PROPOSED STANDARD DUTY CONCRETE PAVMT
- TYPICAL FITNESS STATION
- PROPOSED EASEMENT
- SDE — PROPOSED STORM EASEMENT
- PROPOSED ROW
- PROPOSED SETBACK
- PROPOSED BUFFER
- EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
- * POLLINATOR GARDEN
- FUTURE SIDEWALK




SHEET KEY

0 25' 50' 100'

SCALE: 1" = 50'

811 Know what's below. Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| | 04/03/2023 | INITIAL SUBMITTAL |
| | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED SITE PLAN
(3 OF 7)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
PRELIMINARY
DEBRA M. FERRI
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C2-3

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C2-0 - SITE-PLAN.dwg Layout: C2-3 ENLARGED SITE PLAN (3 OF 6) Plotted: 6/1/2023 1:40:08 PM

Label easement width.

Label what this box is.

Provide the width of the ADA spaces shown.

Label this box.

50' TYPE 4 PERIMETER BUFFER

OPEN SPACE #2

MAX VIII, LLC
56 PG 1235
3 PG 1030
758785571

STORAGE MAX II, LLC
DB 11710 PG 2072
BM 2005 PG 2354
PIN# 1758787576

EXTENT OF FLOOD PRONE SOIL PER WAKE GIS

EXISTING 30' SANITARY SEWER EASEMENT

PROPERTY BOUNDARY

EXISTING STREAM

EXISTING WETLAND

50' NEUSE RIVER BUFFER

10' COR PUBLIC UTILITY EASEMENT

SCM1

20' STORMWATER MAINT. & ACCESS EASEMENT

THE VILLAGE AT ROLESVILLE PHASE I, TRACT I BM 2004 PG 199-201

LITTLEPORT DRIVE (50' PUBLIC R/W)

MAIL KIOSK

PROPOSED RETAINING WALL

PROPOSED PUBLIC UTILITY EASEMENT

50' NRB

PROPOSED 10' ASPHALT GREENWAY WITH 20' EASEMENT

R5' TYP.

GREENWAY CROSSWAY

20' PUBLIC SDE

20' PRIVATE SDE

20' PUBLIC SDE

STREET E

STREET F

EXISTING 30' PUBLIC UTILITY EASEMENT

30' SANITARY SEWER EASEMENT

EXISTING 30' SANITARY SEWER EASEMENT

VARIABLE WIDTH PUBLIC UTILITY EASEMENT

ALLEY 2 (PUBLIC)

ALLEY 3 (PUBLIC)

25' TYPE 3 PERIMETER BUFFER

PARALLEL PARKING

EXISTING 30' COR PUBLIC UTILITY EASEMENT

EXTENT OF FLOOD PRONE SOIL PER WAKE GIS

50' NEUSE RIVER BUFFER

PARALLEL PARKING

EX-ROW

6' SIDEWALK

30' SEPARATION

20' LANDSCAPE BUFFER

MATCHLINE C2-2

MATCHLINE C2-5

EXISTING SIDEWALK TO REMAIN

OPEN SPACE #3

OPEN SPACE #4

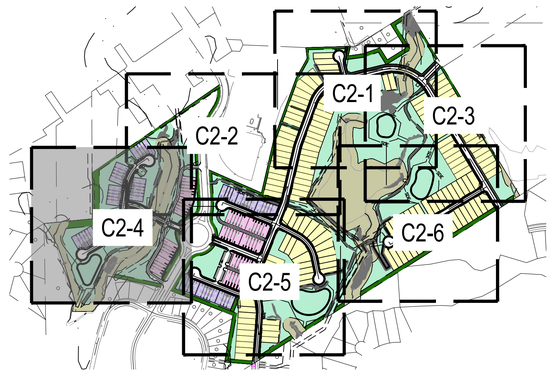
REDFORD PLACE DRIVE (60' PUBLIC R/W)

PROPERTY BOUNDARY

N

## SITE PLAN LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED HANDICAP PAVEMENT MARKING
- PROPOSED SIGN
- PROPOSED ACCESSIBLE RAMP
- PROPOSED STANDARD DUTY CONCRETE PAVMT
- TYPICAL FITNESS STATION
- PROPOSED EASEMENT
- PROPOSED STORM EASEMENT
- PROPOSED ROW
- PROPOSED SETBACK
- PROPOSED BUFFER
- EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
- POLLINATOR GARDEN
- FUTURE SIDEWALK




SHEET KEY

0 25' 50' 100'
SCALE: 1" = 50'

811 Know what's below. Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |
| 0 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH, NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED SITE PLAN (4 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
PRELIMINARY
DEBRA M. FERM
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C2-4

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C3-0 - SITE-PLAN.dwg Layout: C2-4 ENLARGED SITE PLAN (4 OF 6) Plotted: 6/1/2023 1:40:18 PM

Label what this box is.

Will the clubhouse parking be marked?

Label easement width.

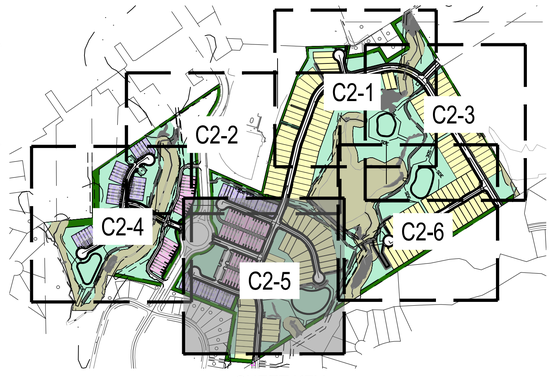
Label what this box is.

MATCHLINE C2-2
MATCHLINE C2-5
STANDARD DRIVEWAY APPRON
EXISTING SIDEWALK TO REMAIN
REDFORD PLACE DRIVE (60' PUBLIC R/W)
FUTURE AMENITY / CLUBHOUSE
OPEN SPACE #6
20' LANDSCAPE BUFFER
5' CONCRETE SIDEWALK (TYP)
STREET C
STREET B
STREET A
ALLEY (PRIVATE)
ALLEY 4 (PRIVATE)
ZONING LINE
10' CORNER SETBACK
PUBLIC STORM DRAINAGE EASEMENT
EXISTING 20' SANITARY SEWER EASEMENT
VARIABLE WIDTH - PROPOSED SANITARY SEWER EASEMENT
10' ASPHALT GREENWAY W/ 20' EASEMENT
20' ACCES
PROPOSED RETAINING WALL
PROPOSED PUBLIC UTILITY EASEMENT
10' ASPHALT GREENWAY AND 20' ACCESS EASEMENT
OPEN SPACE #7
PROP RETAINING WALL
SCM 2
PROPOSED 30' PUBLIC UTILITY EASEMENT
EXISTING WETLANDS
50' NEUSE RIVER BUFFER
PROPERTY BOUNDARY
EXISTING STREAM
EXISTING 20' SANITARY SEWER EASEMENT
25' TYPE 3 PERIMETER BUFFER
PROPOSED ZONING DEMARCATION LINE
PROPOSED RETAINING WALL
CONCRETE SIDEWALK (TYP.)
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
LONG MELFORD DRIVE
THE VILLAGE AT ROLESVILLE, PHASE I, TRACT 2 BM 2004 PG 202-203
CEDAR LAKES HOMEOWNERS ASSOCIATION, INC. DB 17611 PG 1888 BM 2017 PG 678-680 PIN# 1758964943

N

SITE PLAN LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RETAINING WALL
- PROPOSED HANDICAP PAVEMENT MARKING
- PROPOSED SIGN
- PROPOSED ACCESSIBLE RAMP
- PROPOSED STANDARD DUTY CONCRETE PAVMT
- TYPICAL FITNESS STATION
- PROPOSED EASEMENT
- PROPOSED STORM EASEMENT
- PROPOSED ROW
- PROPOSED SETBACK
- PROPOSED BUFFER
- EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
- POLLINATOR GARDEN
- FUTURE SIDEWALK




SHEET KEY

0 25' 50' 100'
SCALE: 1" = 50'

Know what's below. Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

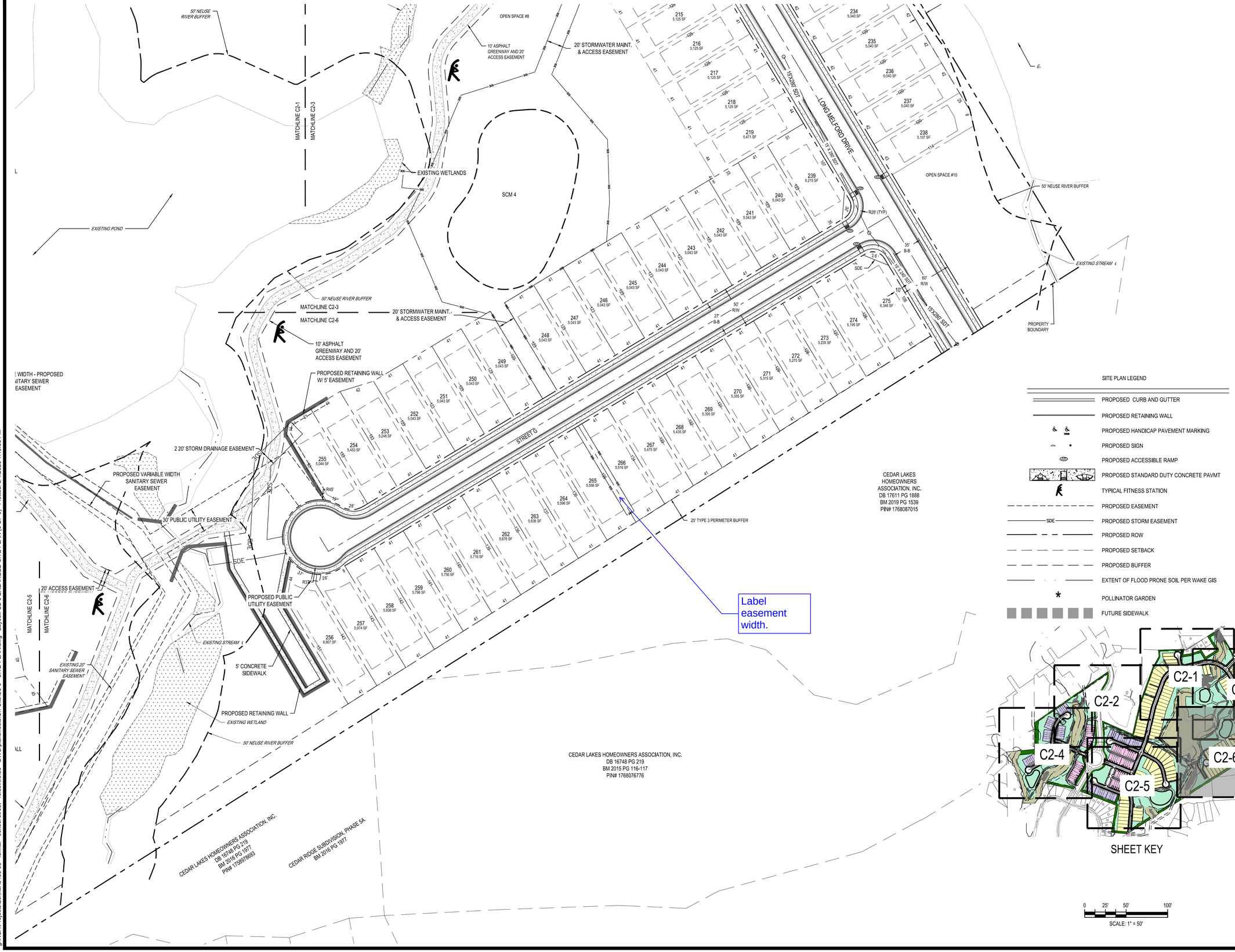
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED SITE PLAN (5 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
PRELIMINARY
DEBRA M. FERM
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C2-5

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C3-0 - SITE-PLAN.dwg Layout: C2-5 ENLARGED SITE PLAN (5 OF 6) Plotted: 6/1/2023 1:40:29 PM




| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
62 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

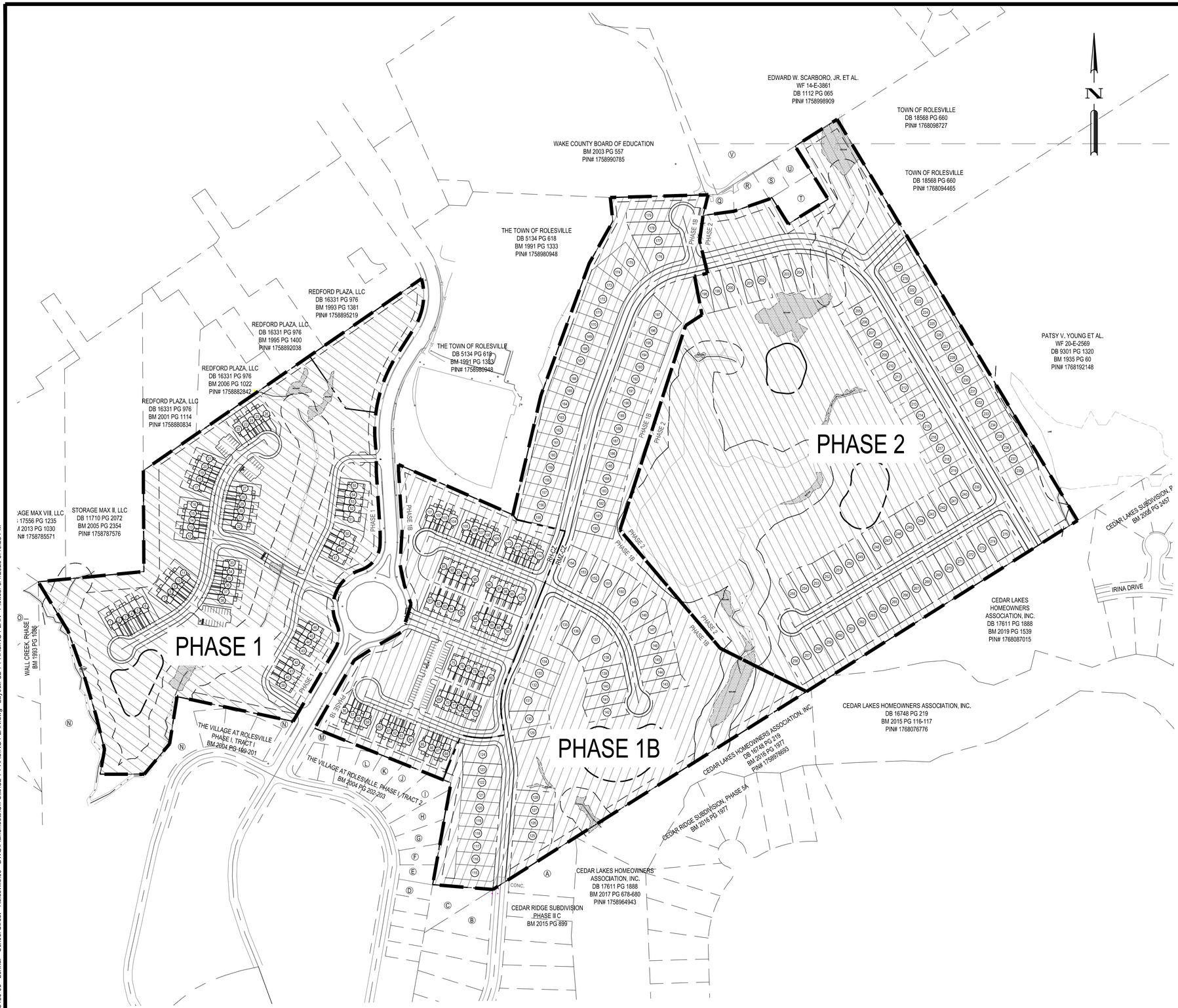
ENLARGED SITE PLAN (6 OF 6)

NORTH CAROLINA PROFESSIONAL
PRELIMINARY
ENGINEER
DEBRA M. FERM
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C2-6

811 Know what's below. Call before you dig.

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\C2-0 - SITE-PLAN.dwg Layout: C2-6 ENLARGED SITE PLAN (6 OF 6) Plotted: 6/1/2023 1:40:38 PM


LEGEND
PHASE LINE
PHASE AREA
N
EDWARD W. SCARBORO, JR. ET AL.
WF 14-E-3861
DB 1112 PG 065
PIN# 1758998909
TOWN OF ROLESVILLE
DB 18568 PG 660
PIN# 1768098727
WAKE COUNTY BOARD OF EDUCATION
BM 2003 PG 557
PIN# 1758990785
TOWN OF ROLESVILLE
DB 18568 PG 660
PIN# 1768094465
THE TOWN OF ROLESVILLE
DB 5134 PG 618
BM 1991 PG 1333
PIN# 1758980948
REDFORD PLAZA, LLC
DB 16331 PG 976
BM 1993 PG 1381
PIN# 1758895219
REDFORD PLAZA, LLC
DB 16331 PG 976
BM 1995 PG 1400
PIN# 1758892038
REDFORD PLAZA, LLC
DB 16331 PG 976
BM 2006 PG 1022
PIN# 1758882842
REDFORD PLAZA, LLC
DB 16331 PG 976
BM 2001 PG 1114
PIN# 1758880834
THE TOWN OF ROLESVILLE
DB 5134 PG 618
BM-1991 PG 1333
PIN# 1758980948
PATSY V. YOUNG ET AL.
WF 20-E-2569
DB 9301 PG 1320
BM 1935 PG 60
PIN# 1768192148
PHASE 2
PHASE 1B
PHASE 2
PHASE 1
PHASE 1B
PHASE 2
PHASE 2
PHASE 1B
PHASE 2
PHASE 1B
PHASE 2
PHASE 1B

## PROPOSED UTILITY LEGEND

- PROPOSED DOMESTIC WATER
- PROPOSED FIRE WATER
- PROPOSED IRRIGATION
- PROPOSED SANITARY
- PROPOSED EASEMENT
- SSE — PROPOSED SEWER EASEMENT
- SDE — PROPOSED STORM EASEMENT

PARCEL A
TOWN OF ROLESVILLE
PARK EXPANSION PROPERTY
±1.5 AC.

REDFORD PLACE DRIVE
(60' PUBLIC R/W)

EXISTING STREAM

50' NEUSE RIVER BUFFER

EXISTING 12" WATER LINE

CONNECT TO EXISTING MANHOLE

TAP TO EXISTING WATER LINE
12"X8" TAPPING SLEEVE AND VALVE

EXISTING 12" GRAVITY SEWER MAIN

8" CROSS W/
4x 8" GATE VALVES

ALLEY 3 (PUBLIC)

STREET F

STREET E

EXISTING 30' PUBLIC UTILITY EASEMENT

CONNECT TO EXISTING SEWER

CONTRACTOR TO VERIFY EXISTING PLUG
REMOVE PLUG AND TIE TO EXISTING 12" WATER LINE

CONNECT TO EXISTING MANHOLE

EXISTING 30' SANITARY SEWER EASEMENT

PROPERTY BOUNDARY

ALLEY 2 (PUBLIC)

EXISTING WETLAND

SCM1

50' NEUSE RIVER BUFFER

PARALLEL PARKING

EXISTING GAS AND TELEPHONE LINES;
CONTRACTOR TO FIELD VERIFY EXACT LOCATION

REDFORD PLACE DRIVE
(VARIABLE WIDTH PUBLIC R/W)

FUTURE AMENITY / CLUBHOUSE

ALLEY 1 (PRIVATE)

ALLEY 4 (PRIVATE)

STREET A

STREET B

STREET C

STREET D

LONG MELFORD DRIVE

8" DIP WATER LINE

8" SANITARY SEWER

SANITARY OUTFALL 1

SANITARY OUTFALL 2

SANITARY OUTFALL 3

EXISTING 20' SANITARY SEWER EASEMENT
LOTS 198-204 TO BE SERVED BY EXISTING SEWER

EXISTING 20' SANITARY SEWER EASEMENT

EXISTING WETLANDS

SCM 2

SCM 3

SCM 4

EXISTING 8" GRAVITY SEWER MAIN

EXISTING NON-JURISDICTIONAL STREAM

20' EXISTING SANITARY SEWER EASEMENT

8" DIP WATER MAIN WITH
8" BLOW-OFF ASSEMBLY

FIRE HYDRANT ASSEMBLY (TYP)

PROPERTY BOUNDARY

50' NEUSE RIVER BUFFER

EXISTING 20' SANITARY SEWER EASEMENT

EXISTING WETLAND

50' NEUSE RIVER BUFFER

EXISTING 20' SANITARY SEWER EASEMENT

EXISITING WETLANDS

PROPERTY BOUNDARY

EXISTING STREAM

50' NEUSE RIVER BUFFER

Where trees are slated for preservation, tree protection fencing and critical root zones shall be added to the plans.

N

0 60 120 240
SCALE: 1" = 120

811 Know what's below. Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
62 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

# OVERALL UTILITY PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER
PRELIMINARY
DEBRA M. FERN
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-0

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-0 OVERALL UTILITY PLAN Plotted: 5/31/2023 1:06:50 PM

WAKE COUNTY BOARD OF EDUCATION
BM 2003 PG 557
PIN# 1758990785

PROPERTY BOUNDARY

EXTENT OF FLOOD PRO.
PER WAKE GIS

EX. SMH-40468

10' CORWLE

SMH-50

PROPOSED 6" DIP WATER LINE

30' EXISTING SANITARY SEWER EASEMENT

EXISTING CLEAN OUTS TO BE ABANDONED IN PLACE PER COR STANDARD

PROPOSED 8" DIP WATER LINE

EX. SMH-13315

EXISTING STREAM

20.0' EXISTING SANITARY SEWER EASEMENT

50' NEUSE RIVER BUFFER

EXISTING SANITARY SEWER

8" BLOW-OFF ASSEMBLY

STREET D

STREET H

LONG MELFORD DRIVE

EX. SMH-13329

EXISTING SANITARY SEWER

TO INSTALL:
1x 8"X6" TEE
2x 8" GATE VALVE
1x 6" GATE VALVE

FIRE HYDRANT ASSEMBLY
1x 8"x6" TEE
1x 6" GATE VALVE
(TYP)

CONTRACTOR TO INSTALL:
1x 8" TEE
3x 8" GATE VALVE

SMH-39

PROPOSED 30' SANITARY SEWER EASEMENT

DH SMH-38

SMH-40

162.40'

PROPOSED 8" PVC SANITARY SEWER

EXISTING 20' SANITARY SEWER EASEMENT

SMH-49

LONG MELFORD DRIVE

MATCHLINE C3-2

MATCHLINE C3-1

PROPERTY BOUNDARY

EX. SMH-13372

EXISTING WETLAND

PROPOSED ¾" WATER SERVICE AND METER (TYP)

PROPOSED 4" SANITARY SERVICE AND CLEANOUT (TYP)

20' PRIVATE ACCESS EASEMENT

FIRE HYDRANT ASSEMBLY (TYP)

LONG MELFORD DRIVE

SMH-41

EX. SMH-12680

SMH-21A

20' EXISTING SANITARY SEWER EASEMENT

50' NEUSE RIVER BUFFER

EXISTING WETLANDS

20' STORM DRAINAGE EASEMENT

SMH-48

SCM 3

EXISTING STREAM

EXISTING NON-JURISDICTIONAL STREAM

EXISTING WETLANDS

50' NEUSE RIVER BUFFER

OPEN SPACE #3

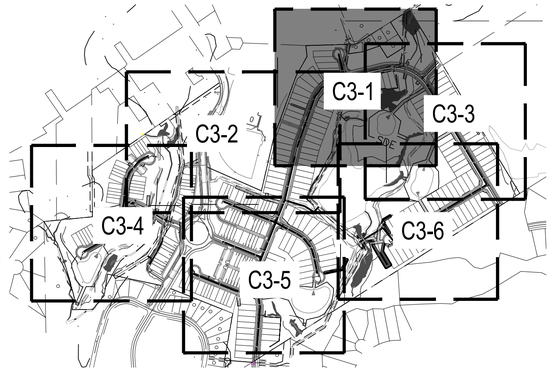
MATCHLINE C2-1

MATCHLINE C2-3

N

## PROPOSED UTILITY LEGEND

- PROPOSED DOMESTIC WATER
- PROPOSED FIRE WATER
- PROPOSED IRRIGATION
- PROPOSED SANITARY
- PROPOSED EASEMENT
- SSE — PROPOSED SEWER EASEMENT
- SDE — PROPOSED STORM EASEMENT




0 25' 50' 100'
SCALE: 1" = 50'

Know what's below.
Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH, NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED UTILITY PLAN (1 OF 6)

NORTH CAROLINA PROFESSIONAL
PRELIMINARY
ENGINEER
DEBRA M. FERRI
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-1

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U-I-D - UTIL-PLAN.dwg Layout: C3-1 ENLARGED UTILITY PLAN (1 OF 6) Plotted: 5/31/2023 1:09:00 PM

REDFORD PLAZA, LLC
DB 16331 PG 976
BM 1993 PG 1381
PIN# 1758895219

REDFORD PLAZA, LLC
DB 16331 PG 976
BM 1995 PG 1400
PIN# 1758892038

REDFORD PLAZA, LLC
DB 16331 PG 976
BM 2006 PG 1022
PIN# 1758882842

THE TOWN OF ROLESVILLE
DB 5134 PG 618
BM 1991 PG 1333
PIN# 1758880948

PARCEL A
TOWN OF ROLESVILLE
PARK EXPANSION PROPERTY
±1.5 AC.

EXISTING 20' DRAINAGE EASEMENT

EX. SMH-40358

EXTENT OF FLOOD PRONE SOIL PER WAKE GIS

REDFORD PLACE DRIVE (80' PUBLIC R/W)

OPEN SPACE #1

EXISTING STREAM

5' PRIVATE UTILITY EASEMENT

10' PROPOSED PUBLIC UTILITY EASEMENT

10" CORPUE

50' NEUSE RIVER BUFFER

FIRE HYDRANT ASSEMBLY
1x 6" 45° ELBOW
1x 6" GATE VALVE

EX. SMH-40361

10' PUBLIC UTILITY EASEMENT

50' NEUSE RIVER BUFFER

VARIABLE WIDTH PRIVATE UTILITY EASEMENT

EXISTING STREAM

EX. SMH-40365

EXISTING 12" WATER LINE

EX. R/W

ALLEY 3 (PUBLIC)

OPEN SPACE #5

SDE

30S

10' PUBLIC UTILITY EASEMENT

TAP TO EXISTING WATER LINE
12"X8" TAPPING SLEEVE AND VALVE

MATCHLINE C3-2
MATCHLINE C3-4

TO INSTALL:
1x 8" CROSS
4x 8" GATE VALVE

8"X6" REDUCER

OPEN SPACE #3

EX. EXISTING 30' PUBLIC UTILITY EASEMENT

8"X6" REDUCER

CONNECT TO EXISTING SEWER

CONTRACTOR TO VERIFY EXISTING PLUG
REMOVE PLUG AND TIE TO EXISTING 12" WATER LINE

OPEN SPACE #4

MATCHLINE C3-4
MATCHLINE C3-5

REDFORD PLACE DRIVE (80' PUBLIC R/W)

SMH-09
SMH-10
SMH-08
SMH-07
SMH-03A
SMH 04
SMH-03
SMH-26
SMH-33
SMH-32
EX SMH-20596

STREET E
STREET C
ALLEY 1 (PRIVATE)

166.26'
164.45'

MATCHLINE C3-2
MATCHLINE C3-1

PROPERTY BOUNDARY

20' PRIVATE ACCESS EASEMENT

FIRE HYDRANT ASSEMBLY (TYP)

LONG WELFORD DRIVE

SMH-41
SMH-21A

EX. SMH-12880

20' EXISTING SANITARY SEWER EASEMENT

50' NEUSE RIVER BUFFER

PROPOSED 4" SANITARY SERVICE AND CLEANOUT (TYP)

PROPOSED ¾" WATER SERVICE AND METER (TYP)

EX. SMH-41225

SMH-15
SMH-14
SMH-13
SMH-16

171.19'
82.55'
164.55'
101.36'
92.47'
95.95'

PROPOSED 30' CORPUE

DH SMH-12

EXISTING 20' SANITARY SEWER EASEMENT

FIRE HYDRANT ASSEMBLY (TYP)

CONTRACTOR TO INSTALL:
4x 8" GATE VALVE
1x 8" CROSS

C3-1
C3-2
C3-3
C3-4
C3-5
C3-6

N

0 25' 50' 100'
SCALE: 1" = 50'

811 Know what's below. Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

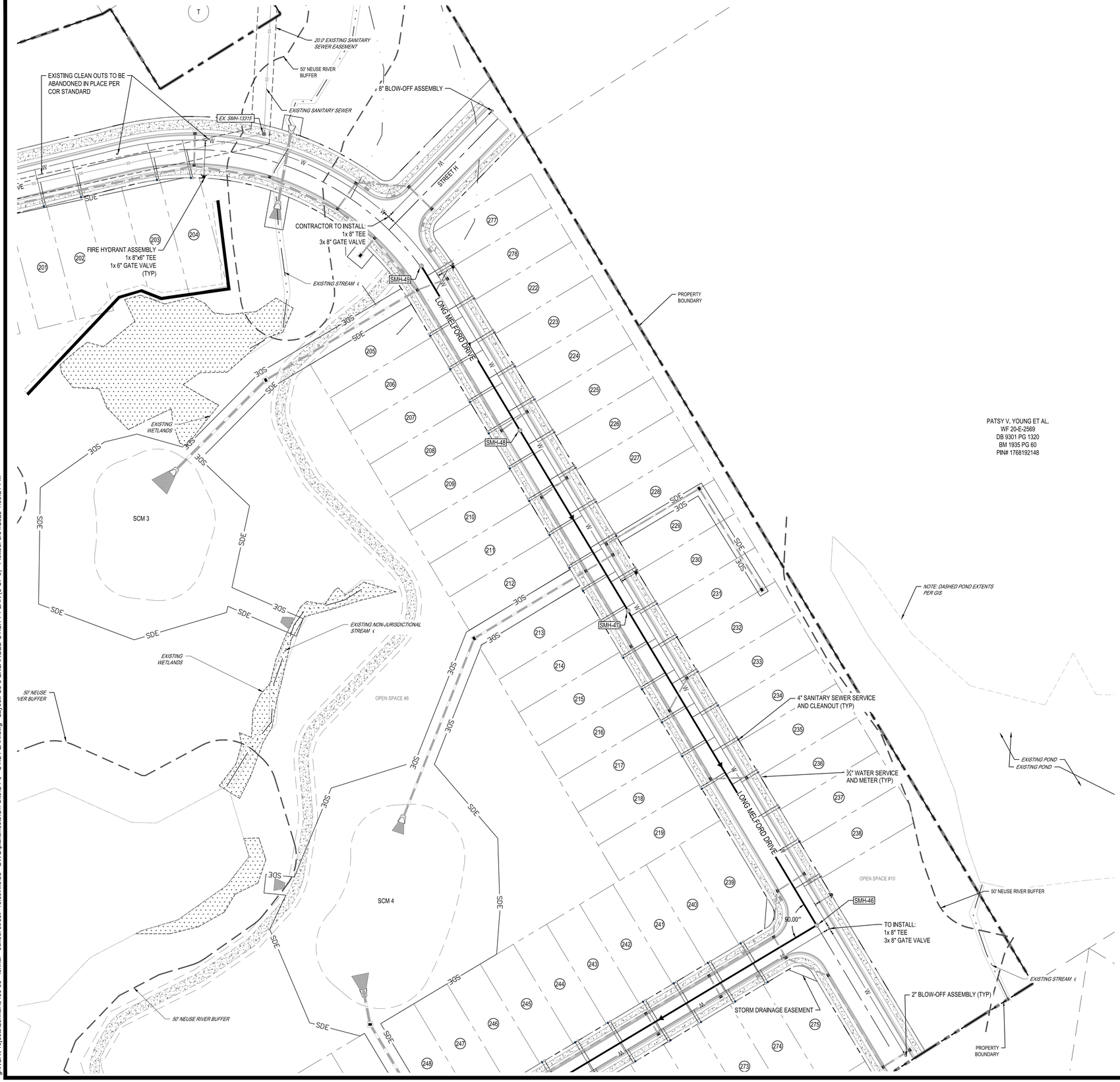
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED UTILITY PLAN (2 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERM
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-2

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-2 ENLARGED UTILITY PLAN (2 OF 6) Plotted: 5/31/2023 1:09:11 PM




Know what's below. Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH, NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397
©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

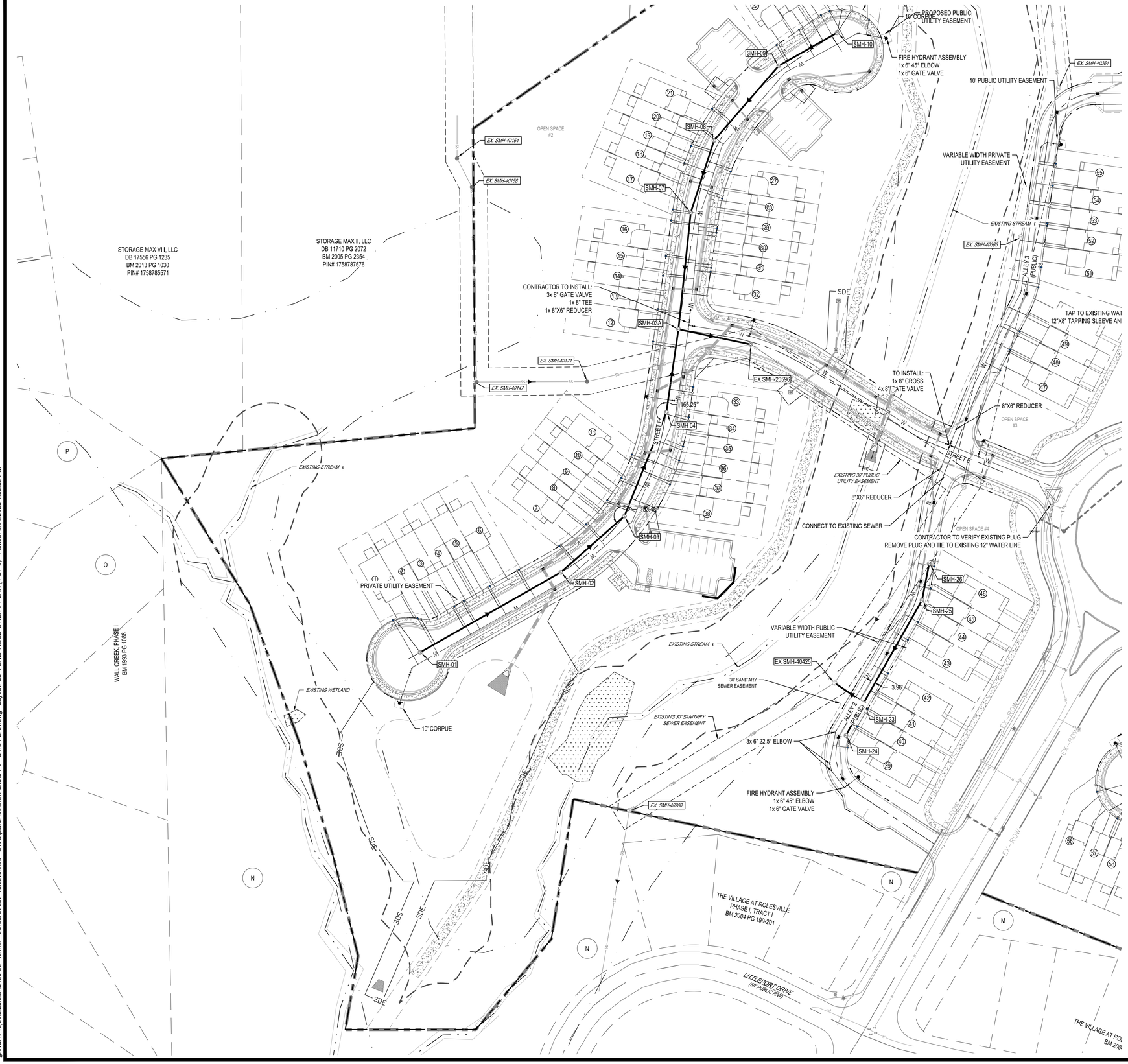
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED UTILITY PLAN (3 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERRI
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-3

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U-I-D - UTIL-PLAN.dwg Layout: C3-3 ENLARGED UTILITY PLAN (3 OF 6) Plotted: 5/31/2023 1:09:21 PM




| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

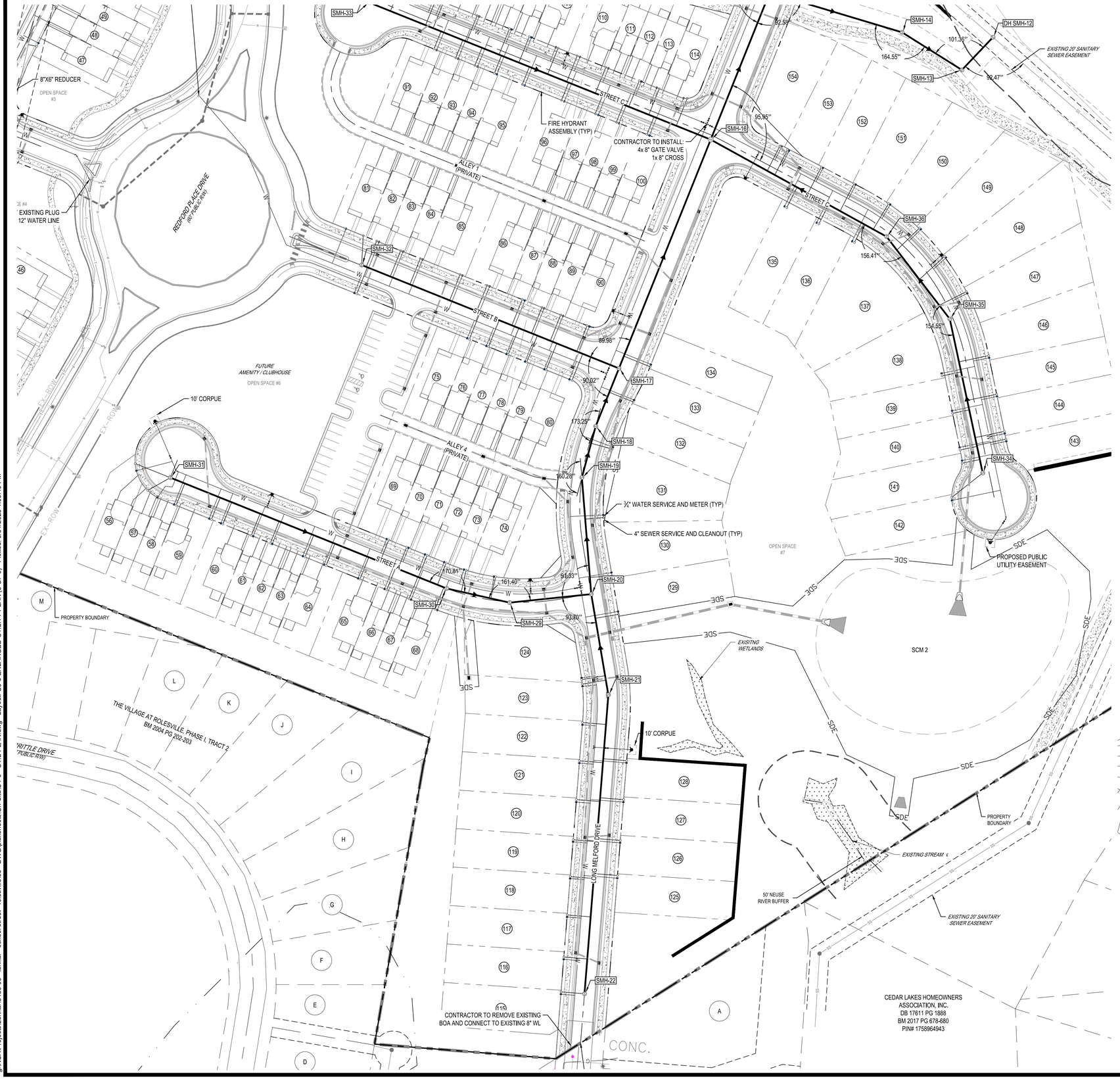
ENLARGED UTILITY PLAN (4 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERRY
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-4

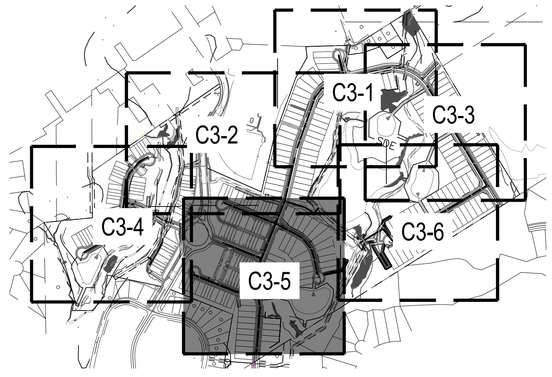
811 Know what's below. Call before you dig.

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-4 ENLARGED UTILITY PLAN (4 OF 6) Plotted: 5/31/2023 1:09:30 PM




## PROPOSED UTILITY LEGEND

- PROPOSED DOMESTIC WATER
- PROPOSED FIRE WATER
- PROPOSED IRRIGATION
- PROPOSED SANITARY
- PROPOSED EASEMENT
- PROPOSED SEWER EASEMENT
- PROPOSED STORM EASEMENT




SCALE: 1" = 50'

811 Know what's below. Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | | |
| 0 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 1 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

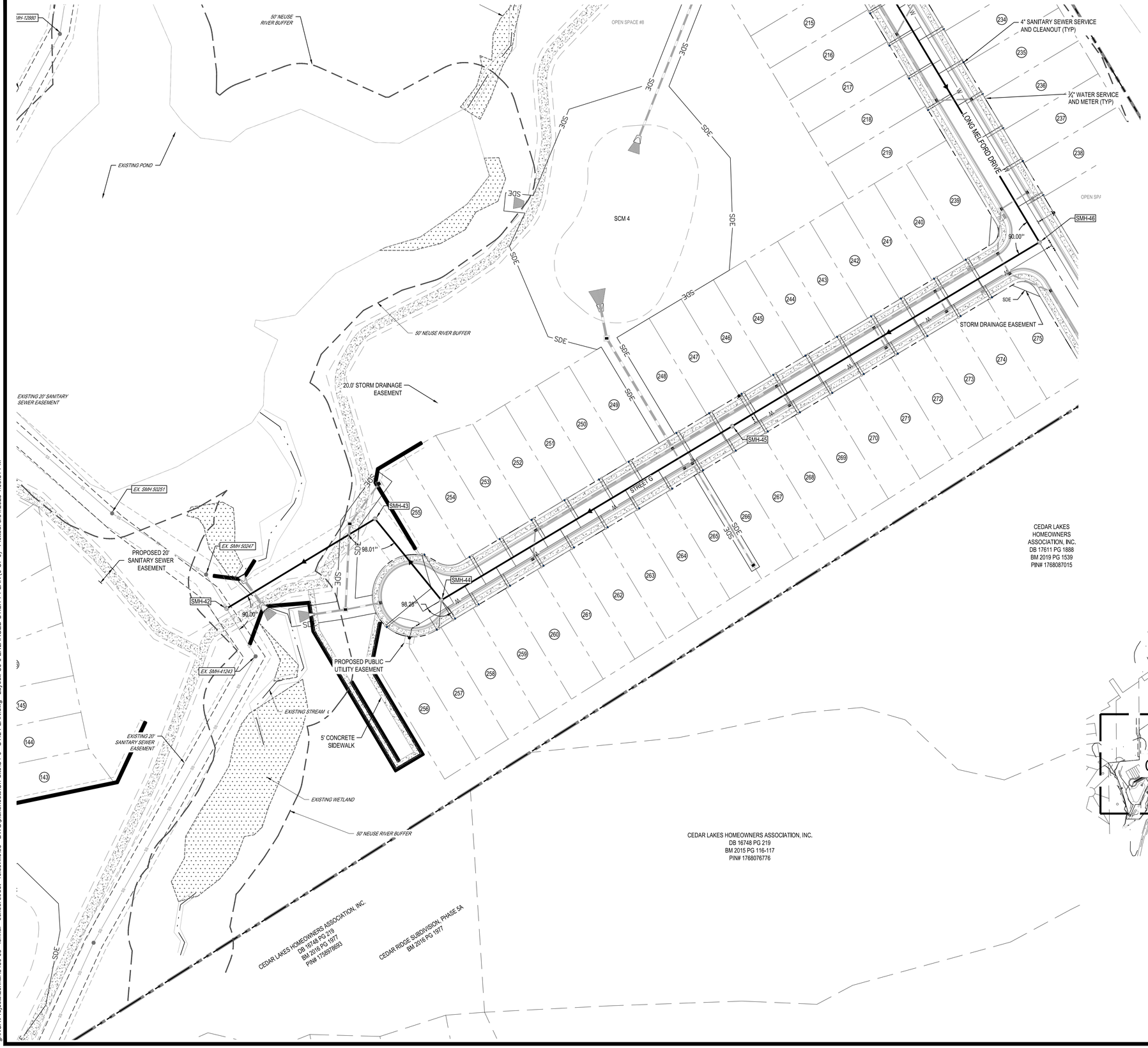
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED UTILITY PLAN (5 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERN PRELIMINARY NOT FOR CONSTRUCTION

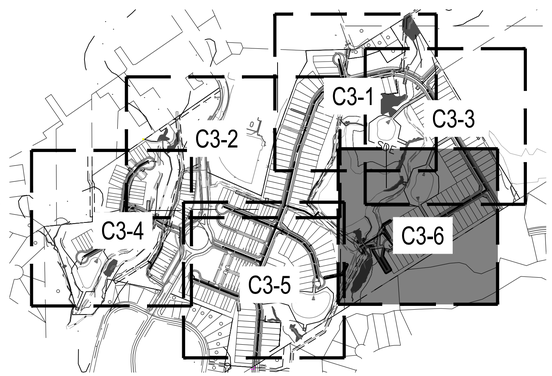
FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-5

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-5 ENLARGED UTILITY PLAN (5 OF 6) Plotted: 5/31/2023 1:09:40 PM




## PROPOSED UTILITY LEGEND

- PROPOSED DOMESTIC WATER
- PROPOSED FIRE WATER
- PROPOSED IRRIGATION
- PROPOSED SANITARY
- PROPOSED EASEMENT
- SSE — PROPOSED SEWER EASEMENT
- SDE — PROPOSED STORM EASEMENT




| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH, NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORATION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED UTILITY PLAN (6 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA W. FERN
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C3-6

811 Know what's below. Call before you dig.

g:\NCA\Projects\Lennar\8430-03 - lennar - school street - rolesville\03 - DWG\plansheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-6 ENLARGED UTILITY PLAN (6 OF 6) Plotted: 5/31/2023 1:09:51 PM

Where trees are slated for preservation, tree protection fencing and critical root zones shall be added to the plans.

## PROPOSED GRADING AND DRAINAGE LEGEND

- B-X — PROPOSED BORING
- PROPOSED DETENTION
- PROPOSED GRADING LIMITS
- 450 — PROPOSED MAJOR CONTOUR
- 449 — PROPOSED MINOR CONTOUR
- 100.XX / 100.XX — PROPOSED SPOT
- H:V / X.X% — PROPOSED GRADING ARROW
- PROPOSED SWALE
- PROPOSED STORM
- 01-FES / 02-CB — PROPOSED STORM SYMBOL
- 100.XX / 100.XX — PROPOSED BUILDING SPOT

N

PROPERTY BOUNDARY
EXISTING STREAM
50' NEUSE RIVER BUFFER
EXISTING WETLANDS
EXISTING NON-JURISDICTIONAL STREAM
20.0' EXISTING SANITARY SEWER EASEMENT
EXISTING 20' SANITARY SEWER EASEMENT
EXISTING 30' SANITARY SEWER EASEMENT
EXISTING 20' DRAINAGE EASEMENT
EXISTING 50' PUBLIC UTILITY EASEMENT
POLLINATOR GARDEN
FUTURE AMENITY / CLUBHOUSE
5' CONCRETE SIDEWALK
CONCRETE PEDESTRIAN SIDEWALK (TYP.)
PARALLEL PARKING
CONSTRUCTION LIMITS (TYP)
ACCESS TO SCM
SCM 1
SCM 2
SCM 3
SCM 4
STREET A
STREET B
STREET C
STREET D
STREET E
STREET F
STREET G
ALLEY 1 (PRIVATE)
ALLEY 2 (PUBLIC)
ALLEY 3 (PUBLIC)
ALLEY 4 (PRIVATE)
LONG MELFORD DRIVE
REDFORD PLACE DRIVE (50' PUBLIC R/W)
LITTLEPORT DRIVE (50' PUBLIC R/W)
ASHBRITTLE DRIVE (50' PUBLIC R/W)
PARCEL A TOWN OF ROLESVILLE PARK EXPANSION PROPERTY ±1.5 AC.
RETAINING WALL WITH SAFETY RAIL (TYP.)
CONNECT TO EXISTING ROADWAY

0 60 120 240
SCALE: 1" = 120

Know what's below. Call before you dig.

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORATION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

OVERALL GRADING PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
PRELIMINARY
ENGINEER: DEBRA M. FERN
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-0

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-0 OVERALL GRADING PLAN Plotted: 6/1/2023 1:32:27 PM

WAKE COUNTY BOARD OF EDUCATION
BM 2003 PG 557
PIN# 1758990785

OLESVILLE
3 618
i 1333
30948

CONSTRUCTION LIMITS (TYP)

PROPERTY BOUNDARY

EXTENT OF FLOOD PRO
PER WAKE GIS

EXISTING STREAM

20.0' EXISTING SANITARY SEWER EASEMENT

50' NEUSE RIVER BUFFER

CONSTRUCTION LIMITS (TYP)

20' EXISTING SANITARY SEWER EASEMENT

10' MULTI-USE PATH

STREET D

LONG MELFORD DRIVE

STREET H

PROPOSED RETAINING WALL #10 WITH SAFETY RAIL

TW: 414.20
BW: 413.91

TW: 407.33
BW: 407.00

TW: 408.24
BW: 403.44

TW: 408.79
BW: 408.21

PROPOSED RETAINING WALL

TW: 408.27
BW: 394.12

TW: 408.38
BW: 394.33

TW: 407.76
BW: 396.30

TW: 403.99
BW: 394.13

PROPOSED RETAINING WALL #2 WITH SAFETY RAIL

WETLAND

EXISTING 20' SANITARY SEWER EASEMENT

TW: 382.95
BW: 382.93

10' ASPHALT TRAIL

EXISTING WETLANDS

EXISTING WETLAND

EXISTING STREAM

SCM 3

FES-300

FES 303

FES 304

FES 300

FES-400

STORM DRAINAGE EASEMENT

EXISTING WETLANDS

EXISTING NON-JURISDICTIONAL STREAM

50' NEUSE RIVER BUFFER

10' ASPHALT GREENWAY AND 20' ACCESS EASEMENT

20' EXISTING SANITARY SEWER EASEMENT

TW: 377.76
BW: 377.76

50' NEUSE RIVER BUFFER

5' CONCRETE SIDEWALK

5' CONCRETE SIDEWALK

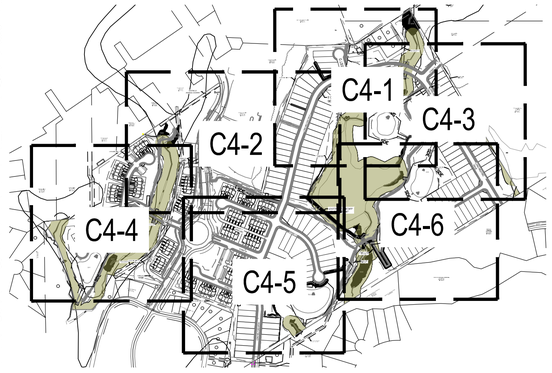
5' CONCRETE SIDEWALK (TYPICAL)

SB#7

CB-312
CB-311
CB-310
CB-311A
CB-314A
CB-314
CB-315
CB-316C
CB-316B
CB-316A
CB-316
DI-316A
CB-316D
CB-317A
CB-317
CB-303
CB-305A
CB-305
CB-306A
CB-306
DI-307B
CB-307A
CB-307
CB-308A
CB-308
CB-309A
CB-309
CB-244A
CB-244
DI-301
CB-318
DI-404

PROPOSED GRADING AND DRAINAGE LEGEND

| | |
|---|---|
| B-X | PROPOSED BORING |
| | PROPOSED DETENTION |
| | PROPOSED GRADING LIMITS |
| 450 | PROPOSED MAJOR CONTOUR |
| 449 | PROPOSED MINOR CONTOUR |
| 100.XX 100.XX | PROPOSED SPOT |
| H:V X.X% | PROPOSED GRADING ARROW |
| | PROPOSED SWALE |
| | PROPOSED STORM |
| 01-FES 02-CB | PROPOSED STORM SYMBOL |
| 100.XX 100.XX | PROPOSED BUILDING SPOT |




0 25' 50' 100'
SCALE: 1" = 50'

Know what's below.
Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 04/03/2023 | INITIAL SUBMITTAL |
| 2 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

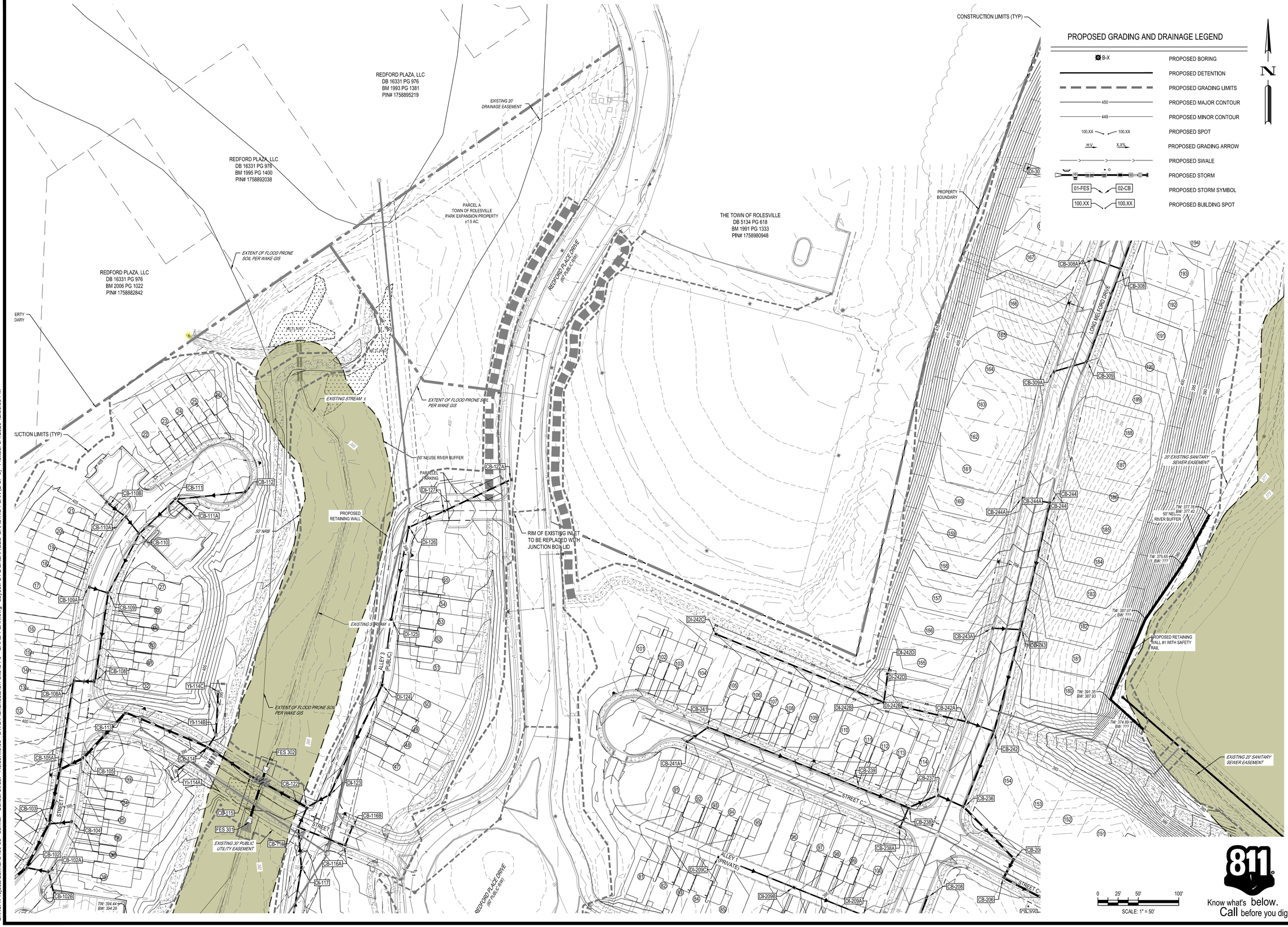
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED GRADING PLAN (1 OF 6)

NORTH CAROLINA PROFESSIONAL
PRELIMINARY
ENGINEER
DEBRA M. F. FERN
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-1

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-1 ENLARGED GRADING PLAN (1 OF 6) Plotted: 6/1/2023 12:54:32 PM




| REV | DATE | DESCRIPTION |
|---|---|---|
| 4 | | |
| 3 | | |
| 2 | | |
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

# ENLARGED GRADING PLAN (2 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERM
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-2

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-2 ENLARGED GRADING PLAN (2 OF 6) Plotted: 6/1/2023 12:58:08 PM




## PROPOSED GRADING AND DRAINAGE LEGEND

| | |
|---|---|
| B-X | PROPOSED BORING |
| | PROPOSED DETENTION |
| | PROPOSED GRADING LIMITS |
| 450 | PROPOSED MAJOR CONTOUR |
| 449 | PROPOSED MINOR CONTOUR |
| 100.XX 100.XX | PROPOSED SPOT |
| H:V X.X% | PROPOSED GRADING ARROW |
| | PROPOSED SWALE |
| | PROPOSED STORM |
| 01-FES 02-CB | PROPOSED STORM SYMBOL |
| 100.XX 100.XX | PROPOSED BUILDING SPOT |

| REV | | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

# ENLARGED GRADING PLAN (3 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERM
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-3

811 Know what's below. Call before you dig.

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-3 ENLARGED GRADING PLAN (3 OF 6) Plotted: 6/1/2023 12:59:40 PM




## PROPOSED GRADING AND DRAINAGE LEGEND

| | |
|---|---|
| B-X | PROPOSED BORING |
| | PROPOSED DETENTION |
| | PROPOSED GRADING LIMITS |
| 450 | PROPOSED MAJOR CONTOUR |
| 449 | PROPOSED MINOR CONTOUR |
| 100.XX 100.XX | PROPOSED SPOT |
| H:V X.X% | PROPOSED GRADING ARROW |
| | PROPOSED SWALE |
| | PROPOSED STORM |
| 01-FES 02-CB | PROPOSED STORM SYMBOL |
| 100.XX 100.XX | PROPOSED BUILDING SPOT |

| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH, NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397
©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

# ENLARGED GRADING PLAN (4 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
PRELIMINARY
ENGINEER
DEBRA M. FERRY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-4

811 Know what's below. Call before you dig.

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-4 ENLARGED GRADING PLAN (4 OF 6) Plotted: 6/1/2023 1:04:02 PM




## PROPOSED GRADING AND DRAINAGE LEGEND

| | |
|---|---|
| B-X | PROPOSED BORING |
| | PROPOSED DETENTION |
| | PROPOSED GRADING LIMITS |
| 450 | PROPOSED MAJOR CONTOUR |
| 449 | PROPOSED MINOR CONTOUR |
| 100.XX / 100.XX | PROPOSED SPOT |
| H.V / X.X% | PROPOSED GRADING ARROW |
| | PROPOSED SWALE |
| | PROPOSED STORM |
| 01-FES / 02-CB | PROPOSED STORM SYMBOL |
| 100.XX / 100.XX | PROPOSED BUILDING SPOT |

| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397

©2023

LENNAR
CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

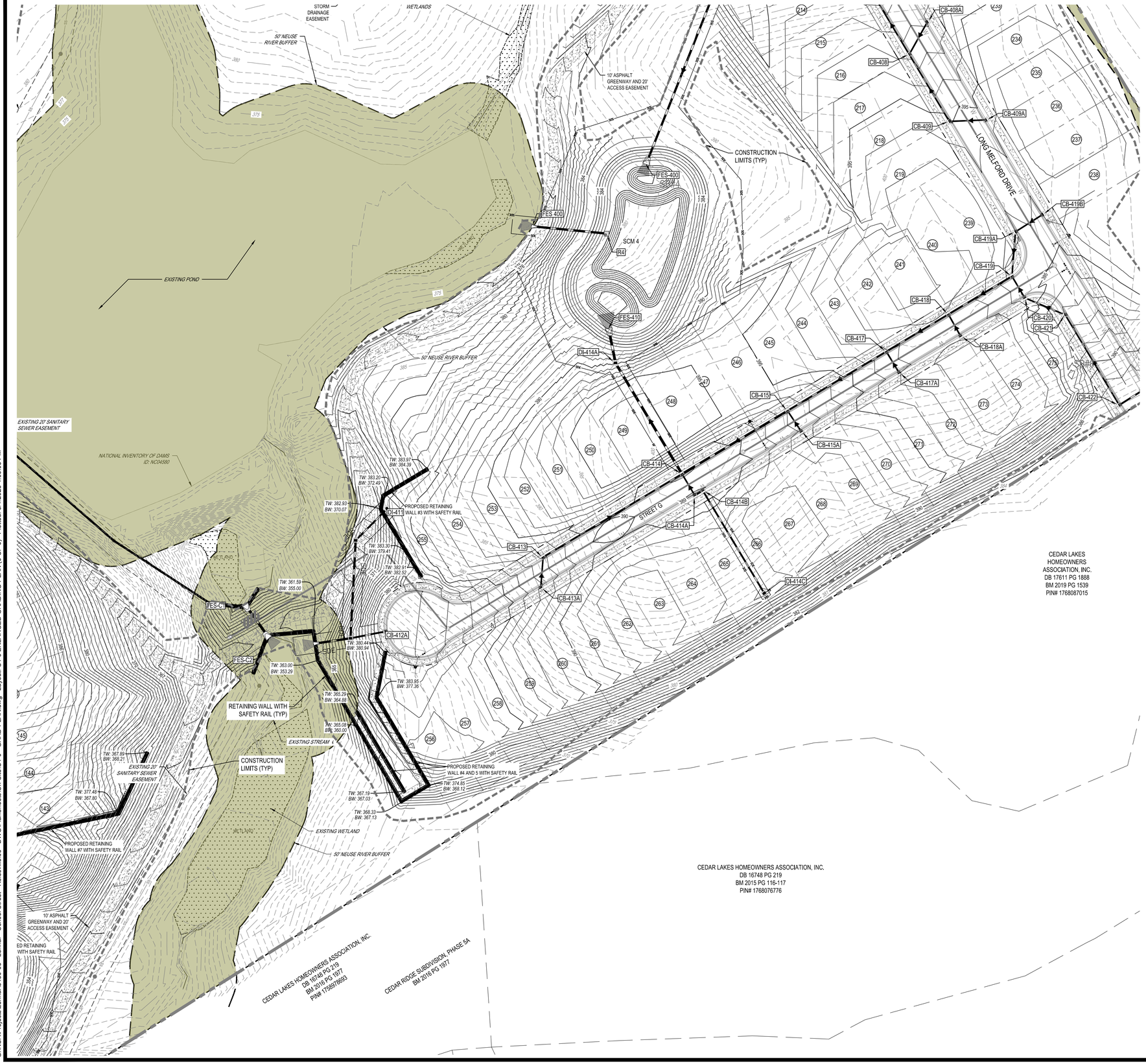
# ENLARGED GRADING PLAN (5 OF 6)

NORTH CAROLINA PROFESSIONAL
PRELIMINARY
ENGINEER
DEBRA M. FERRELL
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-5

811 Know what's below. Call before you dig.

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-5 ENLARGED GRADING PLAN (5 OF 6) Plotted: 6/1/2023 1:06:06 PM




N

## PROPOSED GRADING AND DRAINAGE LEGEND

| | |
|---|---|
| B-X | PROPOSED BORING |
| | PROPOSED DETENTION |
| | PROPOSED GRADING LIMITS |
| 450 | PROPOSED MAJOR CONTOUR |
| 449 | PROPOSED MINOR CONTOUR |
| 100.XX 100.XX | PROPOSED SPOT |
| H:V X.X% | PROPOSED GRADING ARROW |
| | PROPOSED SWALE |
| | PROPOSED STORM |
| 01-FES 02-CB | PROPOSED STORM SYMBOL |
| 100.XX 100.XX | PROPOSED BUILDING SPOT |

0 25' 50' 100'
SCALE: 1" = 50'

Know what's below. Call before you dig.

| REV | DATE | |
|---|---|---|
| 1 | 06/01/2023 | PER TOWN OF ROLESVILLE COMMENT |
| 0 | 04/03/2023 | INITIAL SUBMITTAL |

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

BGE
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.COM
NC LICENSE #C-4397
©2023

LENNAR CORPORTAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

# ENLARGED GRADING PLAN (6 OF 6)

NORTH CAROLINA PROFESSIONAL ENGINEER DEBRA M. FERN
PRELIMINARY
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03
DATE: 06/01/2023
C4-6

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C4-0 - GRAD-PLAN.dwg Layout: C4-6 ENLARGED GRADING PLAN (6 OF 6) Plotted: 6/1/2023 1:09:03 PM