

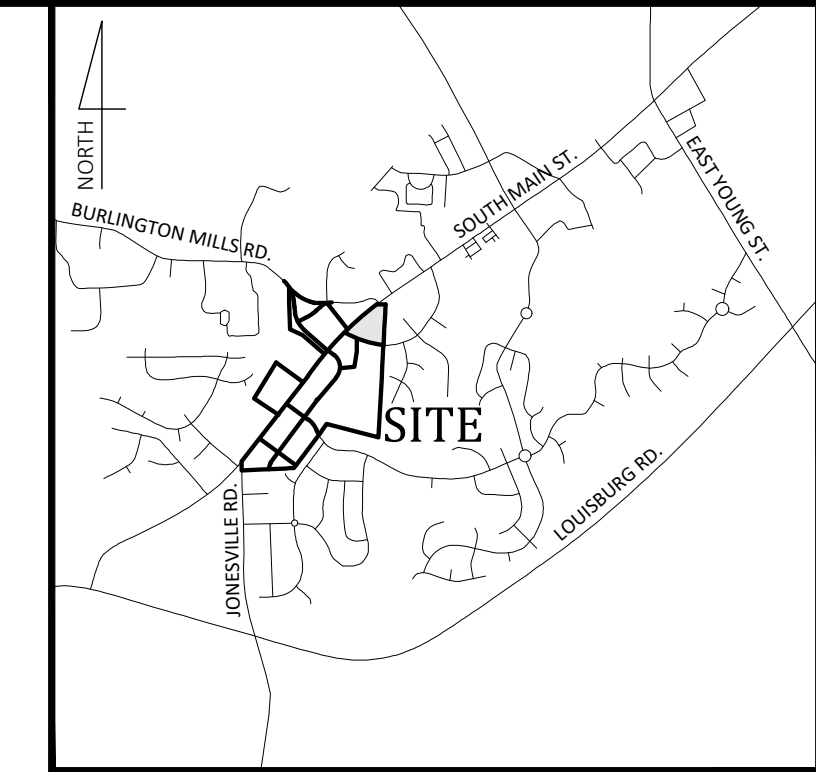
# MASS GRADING / EROSION CONTROL WALLBROOK - Lot 8

S. Main St. / US-401 Business & Wall Creek Drive, Town of Rolesville, Wake County, North Carolina

Project No.: CID 24-\_\_

1. Update with Rolesville project number- CID-24-03

V1 -  
CID-24-03



Vicinity Map  
NOT TO SCALE

- Final Drawing -  
Issued for Permit  
Review Purposes Only

REVISIONS:



### Sheet Index

#	Title
△ C0.1	Cover
△ C0.2	Existing Conditions & Demolition Plan
△ C1.0	Erosion Control Notes & Legend
△ C1.1	Erosion Control Phase 1
△ C1.2	Erosion Control Phase 2 & Mass Grading Plan
△ C2.1	Details
△ C2.2	Details
REF	Survey - Johnson, Mirmiran & Thompson (4 Sheets)
REF	Tree Preservation Plan - PR-21-04 REVISED (1 Sheet)

2. There are only 3 sheets included with this submittal; include the fourth sheet or update the index

### Site Data

PIN NUMBERS:	1758-67-1871
REAL ESTATE ID:	0509438
CURRENT ZONING:	GC-C2
ACREAGE IN PARCEL:	5.35 ACRES
ACREAGE IN PUBLIC R/W:	0.00 ACRES
TOTAL ACREAGE DISTURBED:	2.80 ACRES
WATERSHED:	Lower Neuse
RIVER BASIN:	Neuse
CURRENT USE:	VACANT / WOODED
EXISTING IMPERVIOUS:	0 SF
PROPOSED IMPERVIOUS:	0 SF
PROPOSED USE(S):	NON-RESIDENTIAL/COMMERCIAL/RETAIL
LOTS IN DEVELOPMENT:	LOT 8
REFERENCES:	DB 018103 PG 01563 BM2023 PG 01602

### Owner/Developer

Wallbrook Landco, LLC  
3 Keel St, Ste 2  
Wrightsville Beach, NC

### Engineer

Ark Consulting Group, PLLC  
2755-B Charles Blvd  
Greenville, NC  
Contact: Bryan C. Fagundus, PE

### COVER

**WALLBROOK - LOT 8**  
MASS GRADING / EROSION CONTROL  
Town of Rolesville Project No. CID 24-\_\_  
Rolesville, Wake County, North Carolina



### EROSION AND SEDIMENT CONTROL

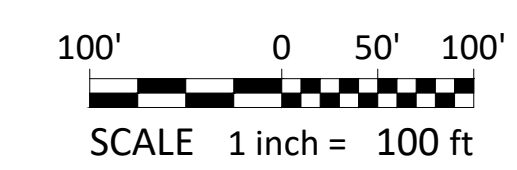
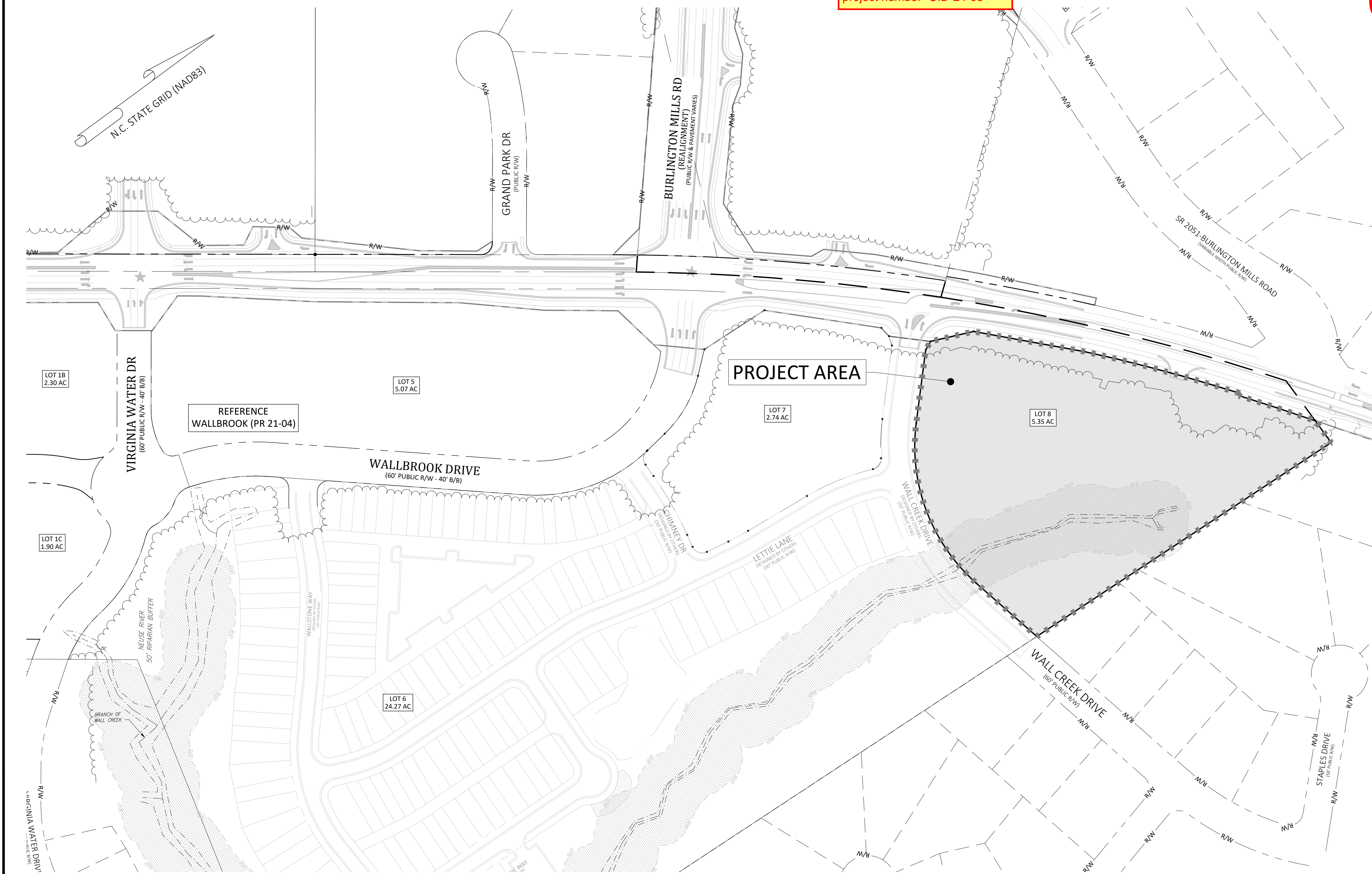
**APPROVED PLAN**  
DATE \_\_\_\_\_  
PERMIT NO. S-\_\_\_\_\_  
Wake County Environmental Services  
Sedimentation & Erosion Control  
919-856-7400



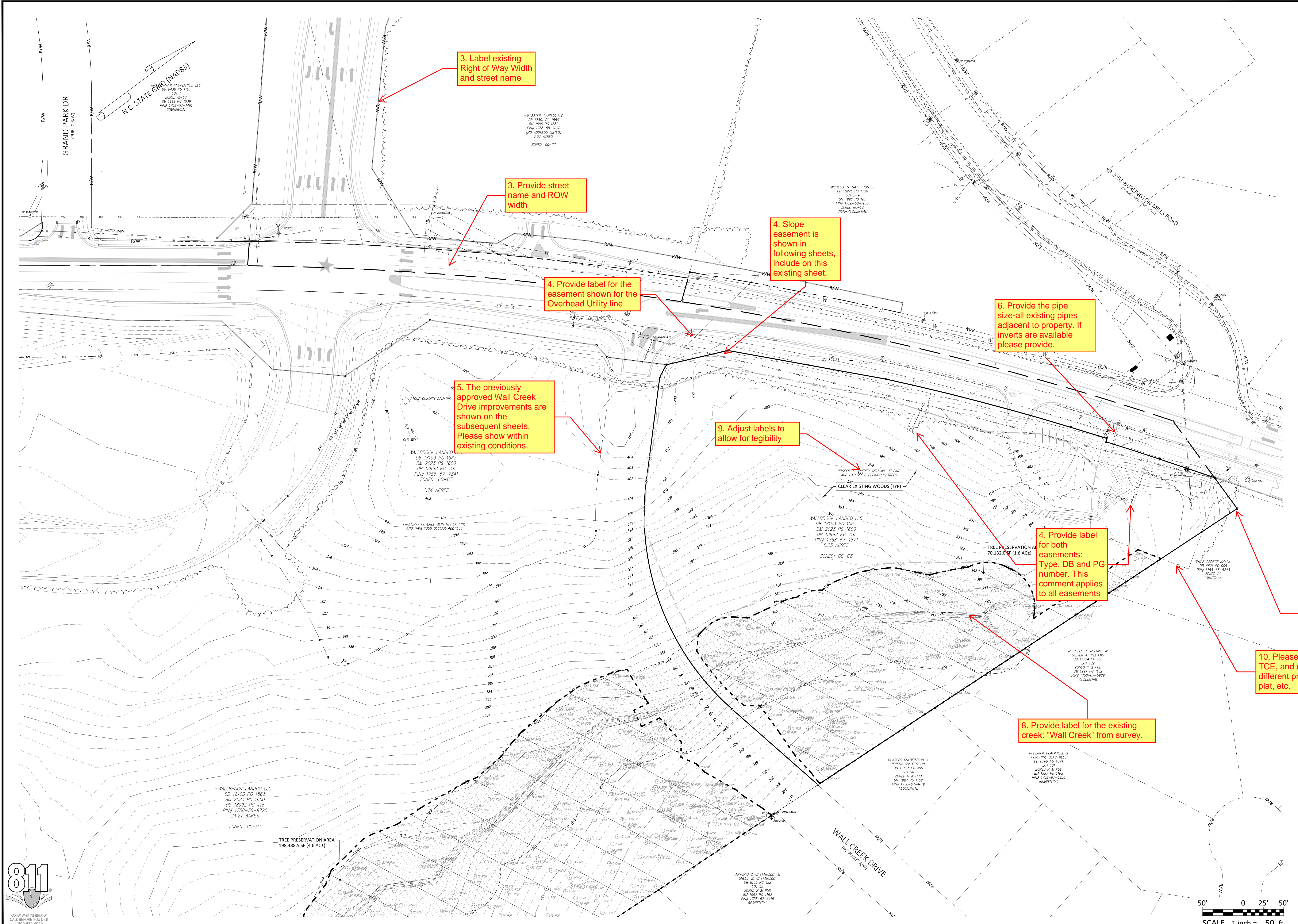
Project Manager: BCF  
Drawn By: DLC  
Checked By: TN  
Project Number: 21089  
Drawing Number: D-1472

**C0.1**

Date: April 1, 2024



ENVIRONMENTAL CONSULTANT SIGNATURE



N.C. STATE GRID (NAD83)

3. Label existing Right of Way Width and street name

3. Provide street name and ROW width

4. Provide label for the easement shown for the Overhead Utility line

4. Slope easement is shown in following sheets, include on this existing sheet.

6. Provide the pipe size-all existing pipes adjacent to property. If inverts are available please provide.

5. The previously approved Wall Creek Drive improvements are shown on the subsequent sheets. Please show within existing conditions.

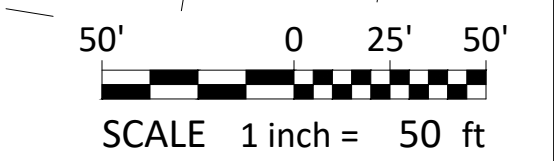
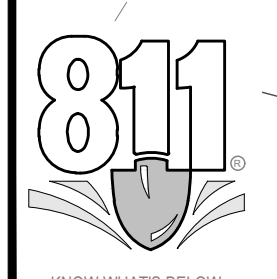
9. Adjust labels to allow for legibility

4. Provide label for both easements: Type, DB and PG number. This comment applies to all easements

7. Provide the Metes and bounds of property

10. Please label the shown TCE, and clarify if it is from a different project, a previous plat, etc.

8. Provide label for the existing creek: "Wall Creek" from survey.



**- Final Drawing -**  
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Review Purposes Only

REVISIONS:

**CROSLAND SOUTHEAST**

**EXISTING CONDITIONS & DEMOLITION PLAN**  
**WALLBROOK - LOT 8**  
MASS GRADING / EROSION CONTROL  
Town of Rolesville Project No. CID 24-  
Sl. / US-401 Business & Wall Creek Drive  
Rolesville, Wake County, North Carolina

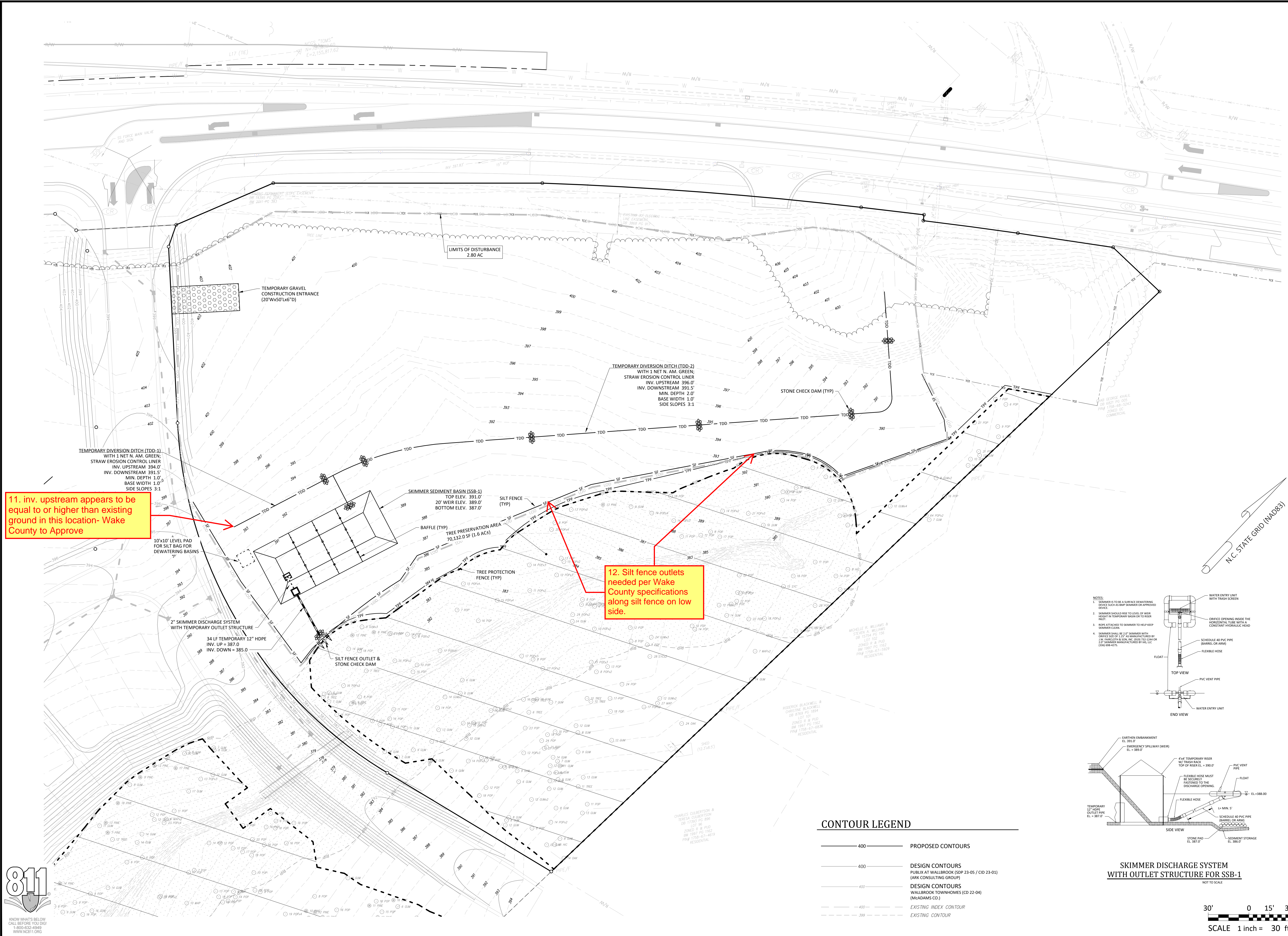
**ARK ENGINEERS**  
2755-B Charles Blvd  
(757) 558-0888  
www.arkengineers.com

Project Manager: BCF  
Drawn By: DLC  
Checked By: TN  
Project Number: 21089  
Drawing Number: D-1472

**C0.2**

Date: April 1, 2024





**- Final Drawing -**  
Issued for Permit  
Review Purposes Only

ISSUED FOR INITIAL REVIEW  
DATE: 1.11.2024

REVISIONS:

**CROSLAND SOUTHEAST**

**EROSION CONTROL PHASE 1**  
**WALLBROOK - LOT 8**  
**MASS GRADING / EROSION CONTROL**  
Town of Rolesville Project No. CID 24-  
Rolesville, Wake County, North Carolina

S Main St. / US-401 Business & Wall Creek Drive

NC License: P-1199

**ARK CONSULTING GROUP PLLC**  
ENGINEERS & PLANNERS

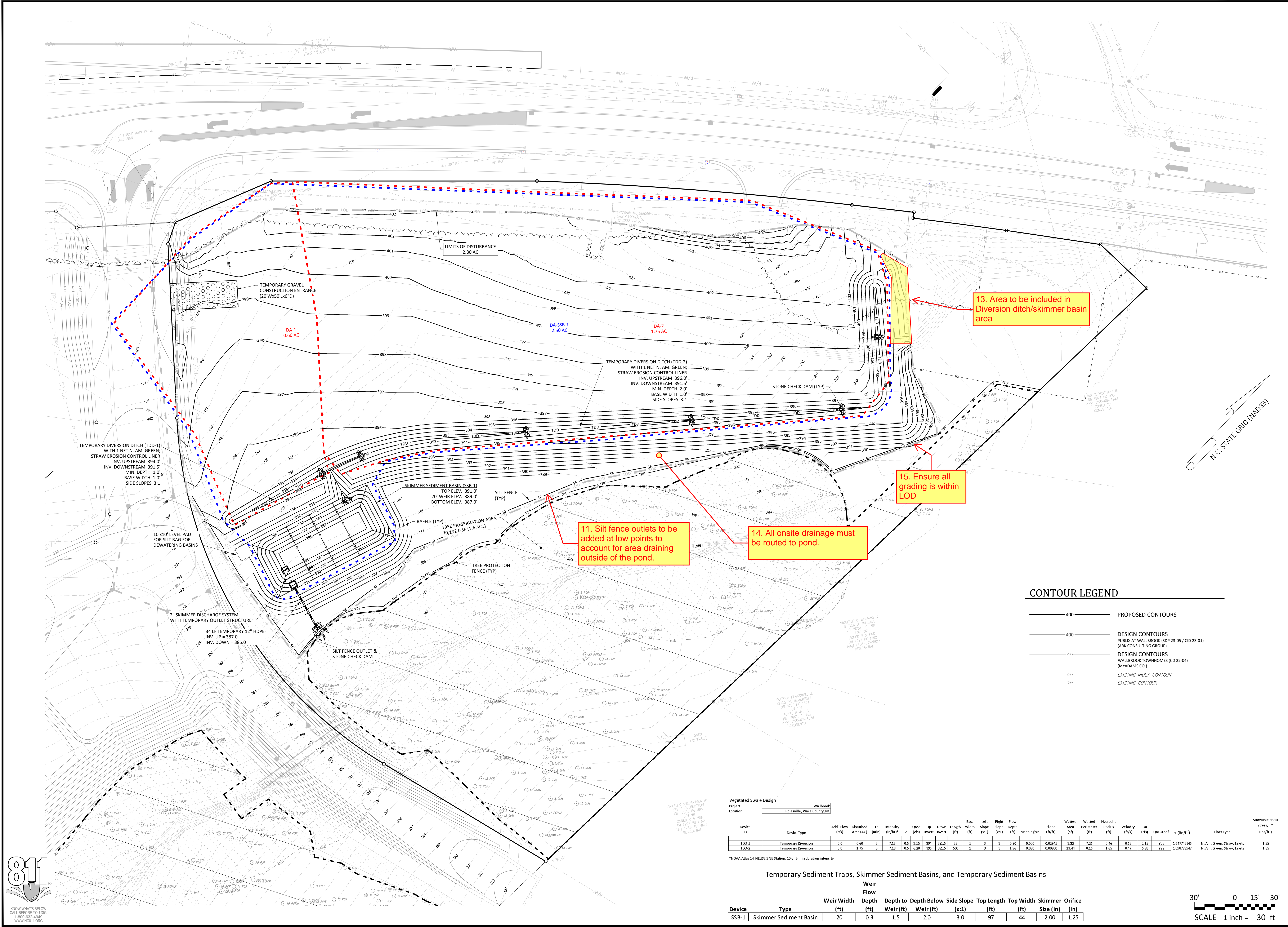
2755-B Charles Blvd  
Raleigh, NC 27608  
(757) 558-0888  
www.arkconsultinggroup.com

SEAL: CHARLES F. FABRY, P.E., 31970, 4/1/2024

Project Manager: BCF  
Drawn By: DLC  
Checked By: TN  
Project Number: 21089  
Drawing Number: D-1472

**C1.1**

Date: April 1, 2024



13. Area to be included in Diversion ditch/skimmer basin area

15. Ensure all grading is within LOD

11. Silt fence outlets to be added at low points to account for area draining outside of the pond.

14. All onsite drainage must be routed to pond.

**CONTOUR LEGEND**

- 400 — PROPOSED CONTOURS
- 400 — DESIGN CONTOURS (PUB/AT WALLBROOK (SDP 23-05 / CID 23-01) (ARK CONSULTING GROUP))
- 400 — DESIGN CONTOURS (WALLBROOK TOWNHOMES (CD 22-04) (MCADAMS CO.))
- - - 400 - - - EXISTING INDEX CONTOUR
- - - 399 - - - EXISTING CONTOUR

Vegetated Swale Design

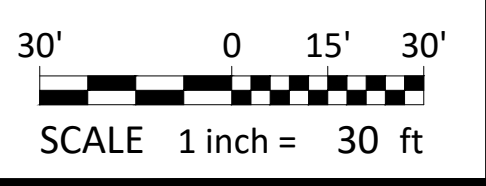
Project: Wallbrook  
Location: Raleigh, Wake County, NC

Device ID	Device Type	Adff Flow (cfs)	Disturbed Area (Ac)	Tc (min)	Intensity (in/hr)	Qreq (cfs)	Qreq (ft³)	Invert (ft)	Down Length (ft)	Base Width (ft)	Left Slope (ft:1)	Right Slope (ft:1)	Flow Depth (ft)	Manning's (n)	Slope (ft/ft)	Wetted Area (ft²)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	Velocity (ft/s)	Qa (cfs)	Qa:Qreq?	T (hr)	Liner Type	Allowable Shear Stress (lb/ft²)	
TDD-1	Temporary Diversion	0.0	0.60	5	7.18	0.5	215	394	391.5	85	1	3	3	0.90	0.020	0.0294	3.32	2.36	0.46	0.65	215	Yes	1.64774845	N. Am. Green; Straw; 1 nets	1.55
TDD-2	Temporary Diversion	0.0	1.75	5	7.18	0.5	628	396	391.5	500	1	3	3	1.96	0.020	0.00900	13.84	9.36	1.65	0.47	6.28	Yes	1.09772947	N. Am. Green; Straw; 1 nets	1.55

\*NOAA Atlas 14, NRUS 2NE Station, 30 yr 5 min duration intensity

Temporary Sediment Traps, Skimmer Sediment Basins, and Temporary Sediment Basins

Device	Type	Weir Flow		Depth to Depth Below Weir (ft)	Side Slope (x:1)	Top Length (ft)	Top Width (ft)	Skimmer Orifice		
		Weir Width (ft)	Depth (ft)					Weir Size (in)	Orifice Size (in)	
SSB-1	Skimmer Sediment Basin	20	0.3	1.5	2.0	3.0	97	44	2.00	1.25



- Final Drawing -  
 Issued for Permit  
 Review Purposes Only

REVISIONS:

#	DATE	DESCRIPTION
1.1	1-APR-24	ISSUED FOR INITIAL REVIEW

EROSION CONTROL PHASE 2 & MASS GRADING PLAN  
**WALLBROOK - LOT 8**  
 MASS GRADING / EROSION CONTROL  
 Town of Rolesville Project No. CID 24-

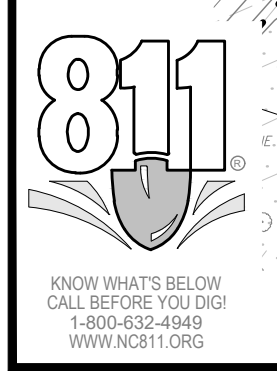
Rolesville, Wake County, North Carolina  
 S Main St. / US-401 Business & Wall Creek Drive

NC License: P-1129  
**ARK CONSULTING GROUP PLLC**  
 ENGINEERS & PLANNERS  
 2755-B Charles Blvd.  
 #1000  
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Project Manager: BCF  
 Drawn By: DLC  
 Checked By: TN  
 Project Number: 21089  
 Drawing Number: D-1472

C1.2

Date: April 1, 2024







GENERAL NOTES:

- 1. THIS ALTA/NSPS LAND TITLE SURVEY WAS PREPARED FOR THE BENEFIT OF WALLBROOK LANDCO, LLC, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR INTERESTS MAY APPEAR, AND INVESTORS TITLE INSURANCE COMPANY.
2. THE PROPERTY AS SHOWN HEREON IS BASED ON A FIELD-RUN BOUNDARY SURVEY WITH A REW CLOSURE OF 1:34,600.
3. THE IMPROVEMENTS SHOWN HEREON ARE BASED ON A FIELD-RUN PLANIMETRIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON FROM DECEMBER 2019 THROUGH MARCH 2020 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
4. ELEVATIONS ARE BASED ON NAVD88 DATUM.
5. THE SURVEY IS REFERENCED TO THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM (NCSPCS), NORTH AMERICAN DATUM, 1983, 2001 ADJUSTMENT, NAD83(2001).
6. THE USE OF THE WORD CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE, INFORMATION AND BELIEF, AND IN ACCORDANCE WITH THE COMMONLY ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED.
7. THE SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE X, AREA OF MINIMAL FLOODING, AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP (FIRM), WAKE COUNTY, NORTH CAROLINA, PANEL 1758, MAP NO. 3720175800J, EFFECTIVE DATE: MAY 2, 2006.
8. AT THE TIME OF THE SURVEY, THERE WERE NO PARKING SPACES.
9. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF THE SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR LANDFILL.
10. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF A CEMETERY.
11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

AREA TABULATION

Table with 4 columns: PARCEL, PIN#, NET (AC.), GROSS (AC.). Rows include parcels A, B, C, D and a TOTALS row.

RECORD LEGAL DESCRIPTIONS FOR TAX PARCELS 1758-48-9229 & 1758-58-2090:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800776CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 14, 2018 AT 5:00 P.M.

IN THE STATE OF NC, COUNTY OF WAKE,

PARCEL ONE (REID #: 0224145) (PIN #1758-58-2090) (PARCEL 'B'):

BEING LOT 2-3, CONTAINING 10.723 NET ACRES, AS THE SAME IS SHOWN ON THAT PLAT RECORDED IN BOOK OF MAPS 1996, PAGE 1582, WAKE COUNTY REGISTRY.

PARCEL TWO (REID #: 0092211) (PIN #1758-48-9229) (PARCEL 'A'):

BEING THAT PARCEL DESCRIBED AS FOLLOWS:

BEGINNING AT A STAKE IN THE EDGE OF THE ROLESVILLE-WALKERS CROSSROAD ROAD, CORNER OF O. V. WIGGINS, THENCE IN A SOUTHWESTERN DIRECTION ABOUT 300 FEET TO A STAKE AND W. H. MARSHALL'S LINE; THENCE IN A NORTHWESTERN DIRECTION 246 FEET WITH MARSHALL'S LINE TO THE EDGE OF THE ROAD; THENCE IN AN EASTERN DIRECTION WITH SAID ROAD ABOUT 410 FEET TO THE POINT OF BEGINNING, CONTAINING 1/8 OF AN ACRE BY ESTIMATION. BEING A PART OF THE LAND FORMERLY OWNED BY JAMES WALL.

RECORD LEGAL DESCRIPTIONS FOR TAX PARCELS 1758-56-8976 & 1758-45-8905:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800751CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2018 AT 5:00 P.M.

IN THE STATE OF NC, COUNTY OF WAKE,

TRACT 1 (PIN #1758-56-8976) (PARCEL 'C'):

BEING ALL OF TRACT 2A (2.894 ACRES) AND TRACT 3 (41.221 ACRES) AS SHOWN ON PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY," DATED NOVEMBER 17, 1995, PREPARED BY W. GRAHAM CAWTHORNE, JR., RLS AND RECORDED IN BOOK OF MAPS 1995, PAGE 2034, WAKE COUNTY REGISTRY.

LESS AND EXCEPT FROM TRACT 1 THAT 0.175 ACRE PORTION AS CONVEYED TO THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION IN DEED RECORDED IN BOOK 14395, PAGE 2080, WAKE COUNTY REGISTRY.

TRACT 2 (PIN #1758-45-8905) (PARCEL 'D'):

BEING ALL OF TRACT 2 (15.057 ACRE) AS SHOWN ON PLAT ENTITLED "RECOMBINATION MAP OF BOBBY L. MURRAY TRUST, TRACTS 1 & 2" DATED NOVEMBER 7, 2002, PREPARED BY MICHAEL D. GOODFRED, RLS, AND RECORDED IN BOOK OF MAPS 2005, PAGES 1195 AND 1196, WAKE COUNTY REGISTRY.

LESS AND EXCEPT FROM TRACT 2 THAT 0.03 ACRE PORTION AS CONVEYED TO CARLTON GROUP OF NORTH CAROLINA, LLC IN DEED RECORDED IN BOOK 13993, PAGE 2591, WAKE COUNTY REGISTRY.

SCHEDULE B, PART II EXCEPTIONS:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800776CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 14, 2018 AT 5:00 P.M.

1. (ITEM 3) MATTERS SHOWN ON RECORDED BOOK OF MAPS 1996 AT PAGE 1582 SHOWS THE FOLLOWING LOCATED ON THE LAND:

- (a) OVERHEAD LINES [PLOTTED HEREON]
(b) POWER POLE [PLOTTED HEREON]
(c) RIGHT OF WAY FOR U.S. HWY 401 LOUISBURG ROAD [PLOTTED HEREON]

2. (ITEM 4) EASEMENT(S) AND/OR RIGHT(S) OF WAY RECORDED IN BOOK 3868 AT PAGE 917 (PARCEL ONE). [PLOTTED HEREON]

SCHEDULE B, PART II EXCEPTIONS:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 201800751CA2, WITH AN EFFECTIVE DATE OF SEPTEMBER 10, 2018 AT 5:00 P.M.

3. (ITEM 2) TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 401 (LOUISBURG ROAD). [PLOTTED HEREON]

4. (ITEM 3) RIGHTS OF OTHERS THERETO ENTITLED IN AND TO THE CONTINUED UNINTERRUPTED FLOW OF THE CREEK, LOCATED ON THE LAND. [CREEK LOCATION PLOTTED HEREON]

5. (ITEM 4) ELECTRIC LINE RIGHT-OF-WAY EASEMENT TO WAKE ELECTRIC MEMBERSHIP CORPORATION RECORDED IN BOOK 3868 AT PAGE 917. [PLOTTED HEREON]

AS TO TRACT 1 ONLY (PIN #1758-56-8976):

6. (ITEM 8) SUBJECT TO MATTERS SHOWN ON RECORDED BOOK OF MAPS 1995 AT PAGE 2034 SHOWS THE FOLLOWING LOCATED ON THE LAND:

- (a) OVERHEAD LINE [PLOTTED HEREON]
(b) POWER POLE [PLOTTED HEREON]

7. (ITEM 9) EASEMENT(S) TO WAKE ELECTRIC MEMBERSHIP CORPORATION RECORDED IN BOOK 863 AT PAGES 211 AND 212. [BLANKET EASEMENT - EXISTING ELECTRIC LINES PLOTTED HEREON]

8. (ITEM 10) RURAL LINE PERMIT TO CAROLINA TELEPHONE AND TELEGRAPH COMPANY RECORDED IN BOOK 1338 AT PAGES 143 AND 145. [LOCATIONS CANNOT BE DETERMINED FROM THE RECORD DOCUMENT, EXISTING POLES AND GUY WIRES PLOTTED HEREON]

9. (ITEM 11) SLOPE EASEMENT RECORDED IN BOOK 14395 AT PAGE 2087 AS SHOWN ON PLAT RECORDED IN BOOK OF MAPS 2011 AT PAGE 383. [PLOTTED HEREON]

AS TO TRACT 2 ONLY (PIN #1758-45-8905):

10. SUBJECT TO MATTERS SHOWN ON RECORDED BOOK OF MAPS 2005 AT PAGES 1195 AND 1196 SHOWS THE FOLLOWING LOCATED ON THE LAND:

- (a) UNDERGROUND SEWER MAIN MARKER [NOT FOUND]
(b) POWER BOX [NOT FOUND]
(c) RIGHTS OF OTHERS IN AND TO THE USE OF THE SOIL PATH (TO BE ABANDONED) [PATH NO LONGER VISIBLE]

11. (ITEM 13) DEED OF EASEMENT WITH GENERAL WARRANTY FOR WATERLINE EASEMENT TEMPORARY CONSTRUCTION EASEMENT RECORDED IN BOOK 16679 AT PAGE 132. [WATERLINE EASEMENT PLOTTED HEREON, TEMPORARY CONSTRUCTION EASEMENT NOT PLOTTED]

12. (ITEM 14) SANITARY SEWER EASEMENT RECORDED IN BOOK 10071 AT PAGE 2179 AS SHOWN ON PLAT RECORDED IN BOOK OF MAPS 2003 AT PAGE 647. [PLOTTED HEREON]

13. (ITEM 15) RESERVATION OF EASEMENT RECORDED IN BOOK 13993 AT PAGE 2591. [PLOTTED HEREON]

14. (ITEM 16) TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF S.R. 2226. [RIGHT OF WAY OF S.R. 2226 PLOTTED HEREON - PROPERTY DOES NOT EXTEND INTO RIGHT OF WAY]

15. (ITEM 17) RIGHT OF WAY AGREEMENT TO STATE HIGHWAY COMMISSION RECORDED IN BOOK 2052 AT PAGE 545. [RIGHT OF WAY OF S.R. 2226 PLOTTED HEREON]

16. (ITEM 18) RIGHTS OF OTHERS THERETO ENTITLED IN AND TO THE CONTINUED UNINTERRUPTED FLOW OF BRANCH/CREEK, LOCATED ON THE LAND. [BRANCH/CREEK LOCATION PLOTTED HEREON]

CURRENT ZONING SETBACK REQUIREMENTS:

TAX PARCEL 1758-48-9229: R-1 (SINGLE FAMILY RESIDENTIAL)
TAX PARCEL 1758-58-2090: R-1-SUD (SINGLE FAMILY RESIDENTIAL SPECIAL USE DISTRICT)
TAX PARCEL 1758-56-8976: CO-SUD (COMMERCIAL OUTLYING SPECIAL USE DISTRICT)
TAX PARCEL 1758-45-8905: CO-SUD

Table with 4 columns: FRONT, SIDE, CORNER, REAR. Rows for R-1 and CO-SUD zoning districts.

NOTE: ZONING INFORMATION BASED ON INFORMATION AS PROVIDED BY CURRENT COUNTY ZONING DEPARTMENT, NO ZONING REPORT OR LETTER WAS PROVIDED TO SURVEYOR AT TIME OF SURVEY.

NEW LEGAL DESCRIPTIONS

PARCEL 'A' (PIN #1758-48-9229)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE MARKING THE NORTHWEST CORNER OF LOT 2-3 AS SAID LOT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY, TRACTS 2-2 & 2-3, TWITTY PROP.", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995, REVISED JANUARY 12, 1996 AND RECORDED IN BOOK OF MAPS 1996, PAGE 1582, WAKE COUNTY RECORDS, SAID PIPE ALSO BEING ON THE EAST LINE OF TRACT #3 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "W. H. MARSHALL ESTATE", BY C. W. RUSSUM, RLS, DATED JULY, 1961 AND RECORDED IN BOOK OF MAPS 1961, PAGE 97, WAKE COUNTY RECORDS; THENCE ALONG SAID EAST LINE OF TRACT 3 N01°11'04"W 240.24' TO AN IRON PIPE ON THE SOUTHWEST RIGHT OF WAY LINE OF BURLINGTON MILLS ROAD (S.R. 2051); THENCE ALONG SAID SOUTHWEST RIGHT OF WAY LINE THE FOLLOWING FOUR COURSES: (1) S47°12'51"E 130.81'; (2) ALONG THE ARC OF A TANGENT CURVE TO THE LEFT, CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 600.00', THROUGH A CENTRAL ANGLE OF 26°22'04", AN ARC LENGTH OF 276.12' AND BEING SUBTENDED BY A CHORD BEARING S60°23'53"E 273.69'; (3) S75°02'10"E 50.12'; AND (4) S77°31'31"E 22.85' TO THE NORTH LINE OF AFORESAID LOT 2-3; THENCE ALONG SAID NORTH LINE OF LOT 2-3 N89°45'02"W 399.74' TO THE POINT OF BEGINNING.

CONTAINING 0.828 ACRES, MORE OR LESS.

PARCEL 'B' (PIN #1758-58-2090)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE MARKING THE SOUTHWEST CORNER OF PARCEL 2 AS SAID PARCEL IS DESCRIBED IN DEED BOOK 15498, PAGE 1302, WAKE COUNTY RECORDS; THENCE ALONG THE SOUTH LINE OF SAID PARCEL 2 S89°45'02"E 399.74' TO THE SOUTHWEST RIGHT OF WAY LINE OF BURLINGTON MILLS ROAD (S.R. 2051); THENCE CONTINUING S89°45'02"E 200.72' TO THE NORTHWEST CORNER OF LOT 2-4 AS SAID LOT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY, TRACTS 2-2 & 2-3, TWITTY PROP.", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995, REVISED JANUARY 12, 1996 AND RECORDED IN BOOK OF MAPS 1996, PAGE 1582, WAKE COUNTY RECORDS; THENCE ALONG THE SOUTHWEST LINE OF SAID LOT 2-4 S37°53'38"E 39.01' TO A FOUND BENT IRON PIPE AT AN ANGLE POINT IN THE SOUTH RIGHT OF WAY LINE OF BURLINGTON MILLS ROAD; THENCE CONTINUING S37°53'38"E 454.70' TO A FOUND IRON PIPE AT AN ANGLE POINT IN THE NORTHWEST RIGHT OF WAY LINE OF LOUISBURG ROAD (U.S. 401); THENCE CONTINUING S37°53'38"E 45.31' TO THE CENTERLINE OF LOUISBURG ROAD; THENCE ALONG THE CENTERLINE OF SAID ROAD, ALONG THE ARC OF A CURVE TO THE LEFT, CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 3,750.00', THROUGH A CENTRAL ANGLE OF 08°13'06", AN ARC LENGTH OF 537.89' AND BEING SUBTENDED BY A CHORD BEARING S41°12'09"W 537.43'; THENCE LEAVING SAID CENTERLINE, ALONG THE NORTHEAST LINE OF LOTS 1 AND 2 AS SAID LOTS ARE SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "SURVEY FOR GRAND PARK PROPERTIES, LOTS 1 AND 2", BY CAWTHORNE, MOSS & PANCIERA, P.C., DATED OCTOBER 7, 1998 AND RECORDED IN BOOK OF MAPS 1999, PAGE 1039, WAKE COUNTY RECORDS, N49°16'09"W 479.09' TO A FOUND IRON PIPE MARKING AN ANGLE POINT IN SAID LOT 2; THENCE CONTINUING ALONG THE NORTHEAST LINE OF SAID LOT 2 N66°40'58"W 215.40' TO A FOUND IRON PIPE AT THE NORTHWEST CORNER THEREOF, SAID PIPE ALSO BEING ON THE EAST LINE OF TRACT #3 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "W. H. MARSHALL ESTATE", BY C. W. RUSSUM, RLS, DATED JULY, 1961 AND RECORDED IN BOOK OF MAPS 1961, PAGE 97, WAKE COUNTY RECORDS; THENCE ALONG SAID EAST LINE OF TRACT 3 N01°36'18"W 428.68' TO THE POINT OF BEGINNING.

THIS PARCEL IS THE SAME AS LOT 2-3 AS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY, TRACTS 2-2 & 2-3, TWITTY PROP.", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995, REVISED JANUARY 12, 1996 AND RECORDED IN BOOK OF MAPS 1996, PAGE 1582, WAKE COUNTY RECORDS.

CONTAINING 11.168 ACRES, MORE OR LESS.

NEW LEGAL DESCRIPTIONS

PARCEL 'C' (PIN #1758-56-8976)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE MARKING THE NORTHEAST CORNER OF TRACT 2 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION MAP OF BOBBY L. MURRAY TRUST, TRACTS 1+2", BY KENNETH CLOSE, INC., DATED NOVEMBER 7, 2002 AND RECORDED IN BOOK OF MAPS 2005, PAGES 1195 AND 1196, WAKE COUNTY RECORDS; THENCE ALONG THE NORTH LINE OF SAID TRACT 2 N75°27'01"W 704.12' TO A FOUND IRON PIPE ON THE SOUTHEAST RIGHT OF WAY LINE OF LOUISBURG ROAD (U.S. 401); THENCE CONTINUING N75°27'01"W 32.34' TO THE CENTERLINE OF LOUISBURG ROAD; THENCE ALONG THE CENTERLINE OF SAID ROAD N36°33'22"E 1,116.98'; THENCE CONTINUING ALONG SAID CENTERLINE, ALONG THE ARC OF A TANGENT CURVE TO THE RIGHT, CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 3,750.00', THROUGH A CENTRAL ANGLE OF 18°18'05", AN ARC LENGTH OF 1,197.82' AND BEING SUBTENDED BY A CHORD BEARING N45°42'25"E 1,192.73'; THENCE LEAVING SAID CENTERLINE S89°44'38"E 134.33' TO AN ANGLE POINT IN THE SOUTHWEST LINE OF THAT CERTAIN PARCEL DESCRIBED IN DEED BOOK 6821, PAGE 005, WAKE COUNTY RECORDS; THENCE ALONG THE SOUTHWEST LINE OF SAID PARCEL AND ALONG THE WEST LINE OF WALL CREEK SUBDIVISION, PHASES 2, 4 AND 5-A AS RECORDED IN BOOK OF MAPS 1997, PAGE 1162, BOOK OF MAPS 2001, PAGE 628 AND BOOK OF MAPS 2002, PAGE 825, WAKE COUNTY RECORDS, S03°05'32"W 2,131.93' TO A POINT ON THE NORTH LINE OF CARLTON POINTE SUBDIVISION, PHASE 1 AS RECORDED IN BOOK OF MAPS 2008, PAGES 5 TO 10, WAKE COUNTY RECORDS; THENCE ALONG SAID NORTH LINE OF CARLTON POINTE SUBDIVISION N75°27'01"W 852.86' TO THE POINT OF BEGINNING.

THIS PARCEL IS THE SAME AS TRACTS 2A AND 3 AS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995 AND RECORDED IN BOOK OF MAPS 1995, PAGE 2034, WAKE COUNTY RECORDS.

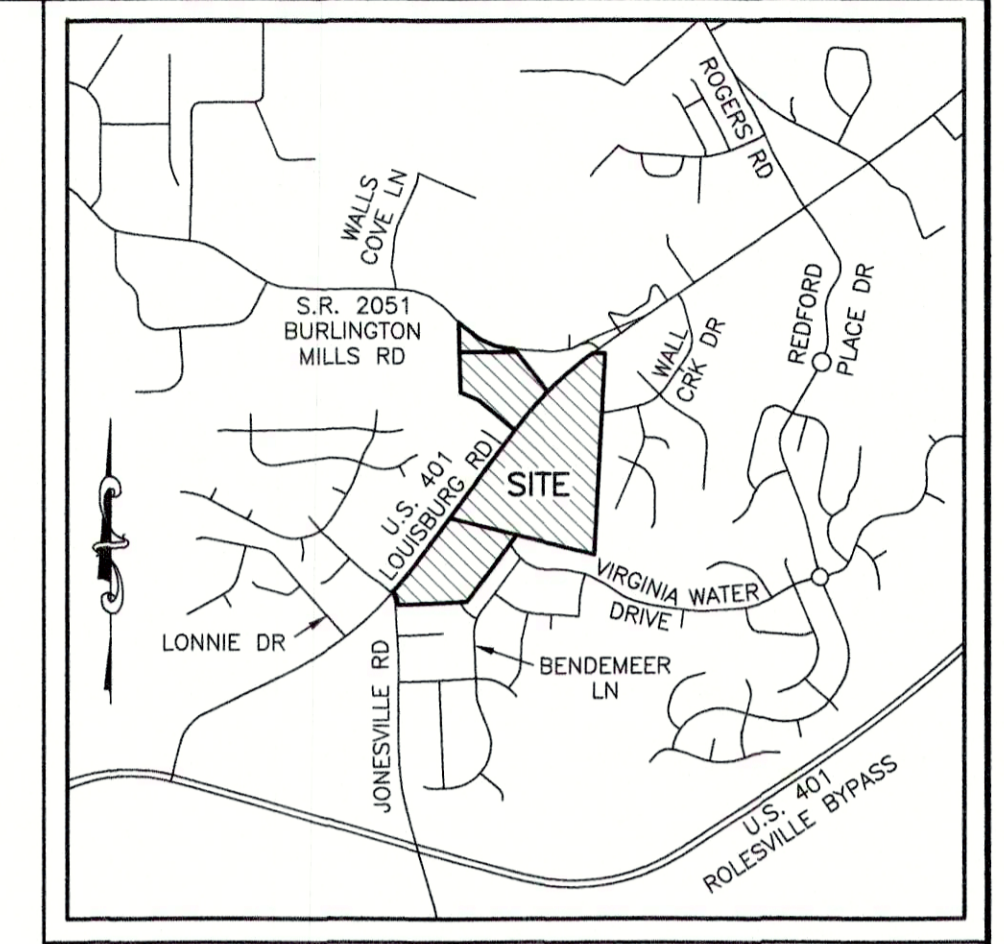
CONTAINING 44.100 ACRES, MORE OR LESS.

PARCEL 'D' (PIN #1758-45-8905)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE TOWN OF ROLESVILLE, COUNTY OF WAKE, STATE OF NORTH CAROLINA, DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND IRON PIPE ON THE SOUTH LINE OF TRACT 3 AS SAID TRACT IS SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "RECOMBINATION SURVEY FOR TOMMY TWITTY", BY W. GRAHAM CAWTHORNE, JR., RLS, DATED NOVEMBER 17, 1995 AND RECORDED IN BOOK OF MAPS 1995, PAGE 2034, WAKE COUNTY RECORDS, SAID PIPE ALSO BEING AN ANGLE POINT IN THE NORTHWEST LINE OF CARLTON POINTE SUBDIVISION, PHASE 1 AS RECORDED IN BOOK OF MAPS 2008, PAGES 5 TO 10, WAKE COUNTY RECORDS; THENCE ALONG THE NORTHWEST LINE OF SAID CARLTON POINTE SUBDIVISION S36°44'45"W 877.98' TO AN ANGLE POINT; THENCE CONTINUING ALONG SAID NORTHWEST LINE AND ALONG THE NORTH LINE OF LOTS 1, 2 AND 3 AS SAID LOTS ARE SHOWN AND SO DESIGNATED ON THAT CERTAIN PLAT ENTITLED "SUBDIVISION PLAT FOR BARRETT VENTURES, LLC", BY CAWTHORNE, MOSS & PANCIERA, P.C., DATED APRIL 4, 2007 AND RECORDED IN BOOK OF MAPS 2008, PAGE 702, WAKE COUNTY RECORDS, S87°10'58"W 737.24' TO AN ANGLE POINT IN THE EAST RIGHT OF WAY LINE OF JONESVILLE ROAD (S.R. 2226) AND THE SOUTHEAST CORNER OF THAT CERTAIN PARCEL DESCRIBED IN DEED BOOK 13993, PAGE 2591, WAKE COUNTY RECORDS; THENCE ALONG THE EAST LINE OF SAID PARCEL N02°07'15"W 48.32'; THENCE CONTINUING ALONG SAID EAST LINE, ALONG THE ARC OF A CURVE TO THE LEFT, CONCAVE TO THE WEST, HAVING A RADIUS OF 123.92', THROUGH A CENTRAL ANGLE OF 30°27'05", AN ARC LENGTH OF 65.86' AND BEING SUBTENDED BY A CHORD BEARING N17°21'49"W 65.09' TO THE EAST RIGHT OF WAY LINE OF JONESVILLE ROAD; THENCE ALONG SAID EAST RIGHT OF WAY LINE N03°10'03"W 17.67' TO THE SOUTHEAST RIGHT OF WAY LINE OF LOUISBURG ROAD (U.S. 401); THENCE ALONG SAID SOUTHEAST RIGHT OF WAY LINE THE FOLLOWING EIGHT COURSES: (1) N41°10'16"E 41.30'; (2) N40°37'47"E 49.15'; (3) N39°31'43"E 50.83'; (4) N38°52'58"E 49.80'; (5) N38°22'04"E 50.40'; (6) N37°17'31"E 50.37'; (7) N36°44'45"E 304.20'; AND (8) N36°27'57"E 396.53' TO A FOUND IRON PIPE ON THE SOUTH LINE OF THE AFORESAID TRACT 3; THENCE ALONG SAID SOUTH LINE OF TRACT 3 S75°27'01"E 704.12' TO THE POINT OF BEGINNING.

CONTAINING 15.024 ACRES, MORE OR LESS.



VICINITY MAP SCALE: 1"=2000'

LEGEND

- (1) = RECORD DATA PER BM 1996 PG 1582
(2) = RECORD DATA PER BM 2011 PG 383
(3) = RECORD DATA PER BM 1995 PG 2034
(4) = RECORD DATA PER BM 2002 PG 825
(5) = RECORD DATA PER BM 2005 PG 1195-1196
(6) = RECORD DATA PER DB 13993 PG 2591
● = FOUND MONUMENT AS NOTED
○ = SET IRON PIN
+ = NCOS MONUMENT
\* = DIMENSION POINT (NOTHING SET)
R = PROPERTY LINE
R/W = RIGHT OF WAY
C&G = CURB AND GUTTER
C&G = CABLE TV PEDESTAL
DI = DROP INLET
ELEC = ELECTRIC BOX
EM = ELECTRIC METER
F/O = FIBER OPTIC
FH = FIRE HYDRANT
GV = GAS VALVE
H = HAND BOX
LP = LIGHT POLE
PP = POWER POLE
G = GUY WIRE
RCP = REINFORCED CONCRETE PIPE
S.F. = SQUARE FEET (AREA)
S = SIGN
T = TRAFFIC SIGNAL POLE
SM = SANITARY SEWER MANHOLE
SFMV = SANITARY SEWER FORCE MAIN VALVE
SDM = STORM DRAIN MANHOLE
TEP = TELEPHONE PEDESTAL
TB = TRAFFIC BOX
WB = WATER BOX
WM = WATER METER
WMH = WATER MANHOLE
WV = WATER VALVE
W = WELL
X-WALK = PEDESTRIAN X-WALK POLE
E = ELECTRIC LINE
FM = SANITARY SEWER FORCE MAIN
FO = FIBER OPTIC LINE
G = GAS LINE
O-E = OVERHEAD ELECTRIC LINE
S = SANITARY SEWER LINE
T = TELEPHONE LINE
TV = CABLE TV LINE
W = WATER LINE

SURVEYOR'S CERTIFICATION:

TO WALLBROOK LANDCO, LLC, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR INTERESTS MAY APPEAR, AND INVESTORS TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6A, 7A, 7B1, 8, 9, 11, 13, 16 AND 17 OF TABLE "A" THEREOF. THE FIELDWORK WAS COMPLETED ON MARCH 6, 2020.

Signature of William T. Robbins, II, dated 10/1/2020. License # L-4192.

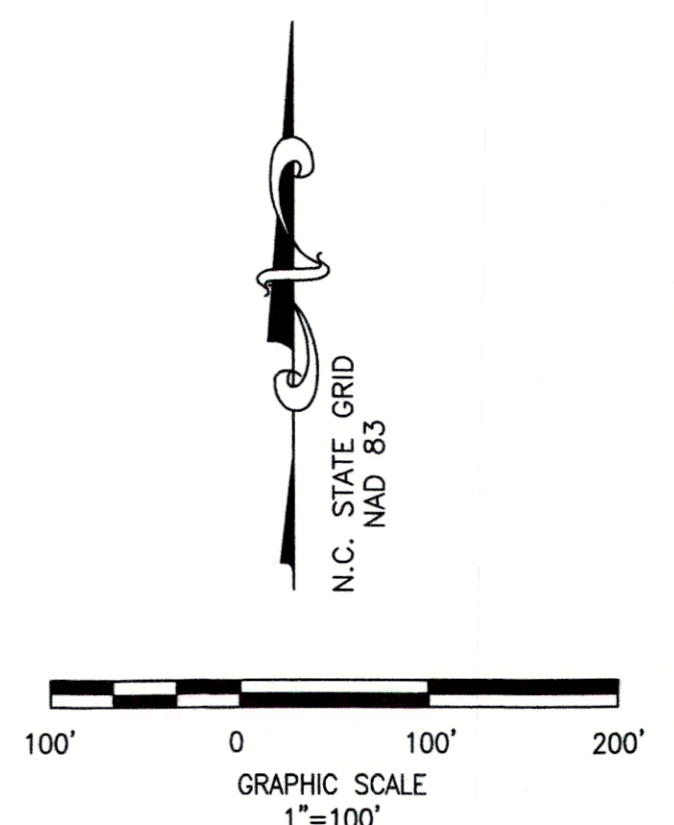
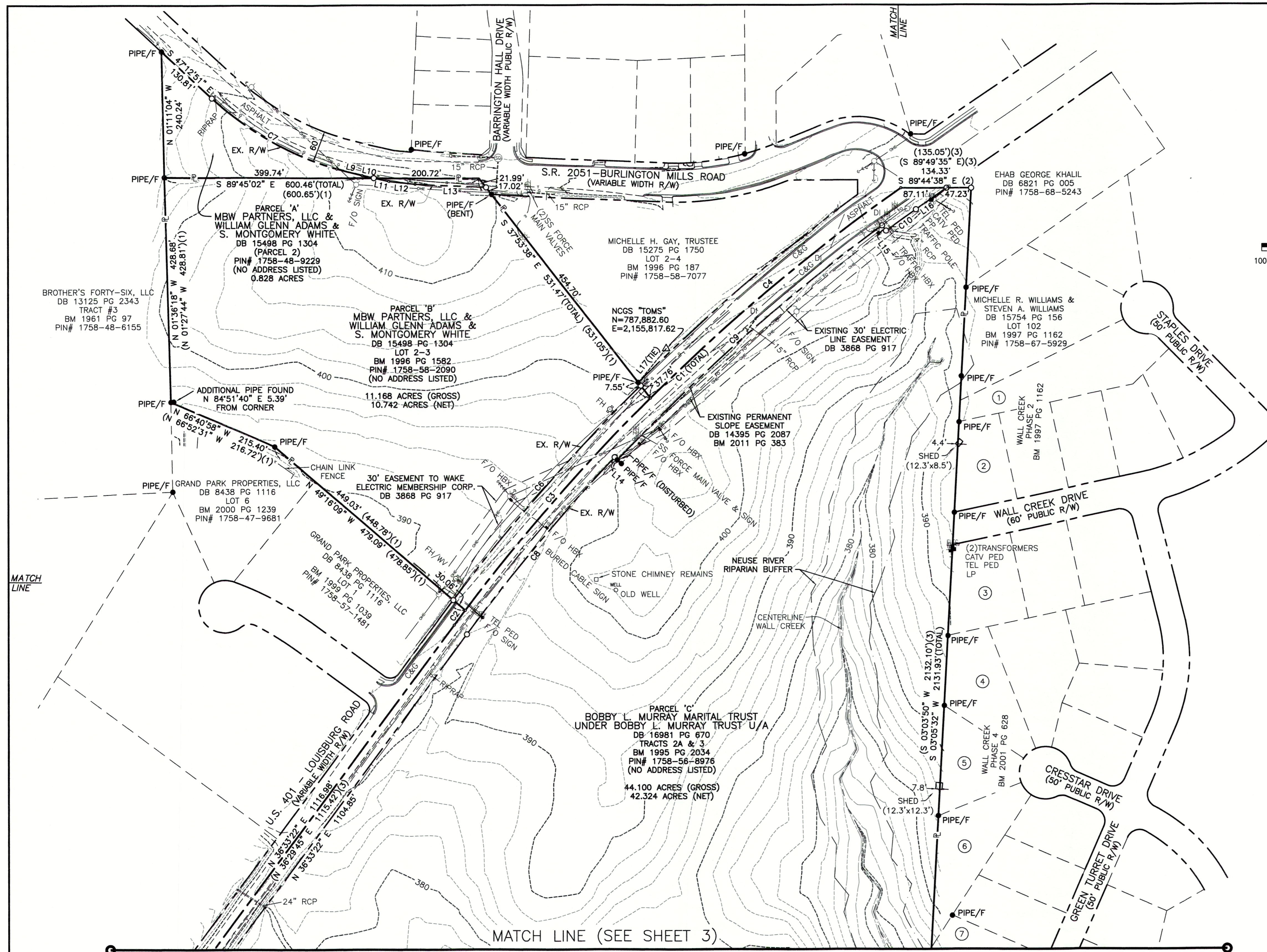


Logo for Johnson, Mirmiran & Thompson Engineering A Brighter Future. Address: 9201 Arboretum Parkway, Suite 310, Richmond, Virginia 23236. Phone: (804)-323-9900, Fax: (804)-323-0596, Email: jmtvo@jmt-engineering.com

Table with 3 columns: REVISION #, DATE, REASON FOR REVISION. Row 1: 1, 10/01/2020, ADDED RIPARIAN BUFFER ALONG WALL CREEK

ALTA/NSPS LAND TITLE SURVEY PREPARED FOR WALLBROOK LANDCO, LLC WAKE FOREST TOWNSHIP TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA. Includes fields for DRAWN BY, CHECKED BY, DATE, PROJECT#, CONTRACT#, SCALE, and SHEET #.





**ADJOINING PROPERTY OWNERS**

- ① RODERICK BLACKWELL & CHRISTINE BLACKWELL  
DB 8769 PG 1894  
LOT 101  
BM 1997 PG 1162  
PIN# 1758-67-6836
- ② CHARLES CULBERTSON & TERESA CULBERTSON  
DB 17393 PG 896  
LOT 96  
BM 1997 PG 1162  
PIN# 1758-67-4619
- ③ ANTONIO G. CATTARUZZA & SHEILA B. CATTARUZZA  
DB 8149 PG 422  
LOT 92  
BM 1997 PG 1162  
PIN# 1758-67-4416
- ④ JOHN DANIEL BONO, III & SABRINA MICHELE BONO  
DB 13369 PG 2170  
LOT 85  
BM 2001 PG 628  
PIN# 1758-67-4204
- ⑤ RONALD G. PATTERSON & LAURA A. PATTERSON  
DB 10087 PG 2409  
LOT 84  
BM 2001 PG 628  
PIN# 1758-67-4100
- ⑥ MICHAEL A. HADDER & JENNIFER H. HADDER  
DB 16143 PG 2477  
LOT 83  
BM 2001 PG 628  
PIN# 1758-66-3984
- ⑦ JOSEPH L. KEELEY, III & SARAH E. KEELEY  
DB 10496 PG 1314  
LOT 79  
BM 2002 PG 825  
PIN# 1758-66-4723

**LEGEND**

- (1) = RECORD DATA PER BM 1996 PG 1582
- (2) = RECORD DATA PER BM 2011 PG 383
- (3) = RECORD DATA PER BM 1995 PG 2034
- (4) = RECORD DATA PER BM 2002 PG 825
- (5) = RECORD DATA PER BM 2005 PG 1195-1196
- (6) = RECORD DATA PER DB 13993 PG 2591
- = FOUND MONUMENT AS NOTED
- = SET IRON PIN
- △ = NCGS MONUMENT
- = DIMENSION POINT (NOTHING SET)
- ℙ = PROPERTY LINE
- R/W = RIGHT OF WAY
- C&G = CURB AND GUTTER
- CAV = CABLE TV PEDESTAL
- DI = DROP INLET
- ELEC = ELECTRIC BOX
- EM = ELECTRIC METER
- F/O = FIBER OPTIC
- FH = FIRE HYDRANT
- GV = GAS VALVE
- HBX = HAND BOX
- LP = LIGHT POLE
- PP = POWER POLE
- ← = GUY WIRE
- RCP = REINFORCED CONCRETE PIPE
- S.F. = SQUARE FEET (AREA)
- SIGN = SIGN
- TRAFFIC SIGNAL POLE = TRAFFIC SIGNAL POLE
- SANITARY SEWER MANHOLE = SANITARY SEWER MANHOLE
- SANITARY SEWER FORCE MAIN VALVE = SANITARY SEWER FORCE MAIN VALVE
- STORM DRAIN MANHOLE = STORM DRAIN MANHOLE
- TELEPHONE PEDESTAL = TELEPHONE PEDESTAL
- TRAFFIC BOX = TRAFFIC BOX
- WATER BOX = WATER BOX
- WM = WATER METER
- WMH = WATER MANHOLE
- WV = WATER VALVE
- WELL = WELL
- PEDESTRIAN X-WALK POLE = PEDESTRIAN X-WALK POLE
- ELECTRIC LINE = ELECTRIC LINE
- SANITARY SEWER FORCE MAIN = SANITARY SEWER FORCE MAIN
- FIBER OPTIC LINE = FIBER OPTIC LINE
- GAS LINE = GAS LINE
- OVERHEAD ELECTRIC LINE = OVERHEAD ELECTRIC LINE
- SANITARY SEWER LINE = SANITARY SEWER LINE
- TELEPHONE LINE = TELEPHONE LINE
- CABLE TV LINE = CABLE TV LINE
- WATER LINE = WATER LINE

LINE	BEARING	DISTANCE
L1	N 02°07'15" W	48.32'
L2	N 03°10'03" W	17.67'
L3	N 41°10'16" E	41.30'
L4	N 40°37'47" E	49.15'
L5	N 39°31'43" E	50.83'
L6	N 38°52'58" E	49.80'
L7	N 38°22'04" E	50.40'
L8	N 37°17'31" E	50.37'
L9	S 75°02'10" E	50.12'
L10	S 77°31'31" E	22.85'
L11	S 77°31'31" E	29.16'
L12	S 84°03'28" E	50.67'
L13	S 87°10'20" E	135.52'
L14	S 46°39'44" E	7.50'
L15	S 36°12'58" E	12.50'
L16	N 55°13'38" E	70.99'
L17	N 39°21'58" E	83.92'

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	1197.82'	3750.00'	18°18'05"	S 45°42'25" W	1192.73'
C2	35.15'	3750.00'	0°32'13"	S 36°49'29" W	35.15'
C3	537.89'	3750.00'	8°13'06"	S 41°12'09" W	537.43'
C4	624.78'	3750.00'	9°32'45"	S 50°05'04" W	624.06'
C5	65.86'	123.92'	30°27'05"	S 17°21'49" E	65.09'
C6	543.86'	3780.00'	8°14'37"	S 41°14'38" W	543.40'
C7	276.12'	600.00'	26°22'04"	N 60°23'53" W	273.69'
C8	440.32'	3720.00'	6°46'55"	S 39°56'50" W	440.07'
C9	675.86'	3712.50'	10°25'52"	S 48°33'13" W	674.95'
C10	70.31'	3700.00'	1°05'20"	S 54°18'48" W	70.31'

(R=3750.00', L=1199.06')(3)

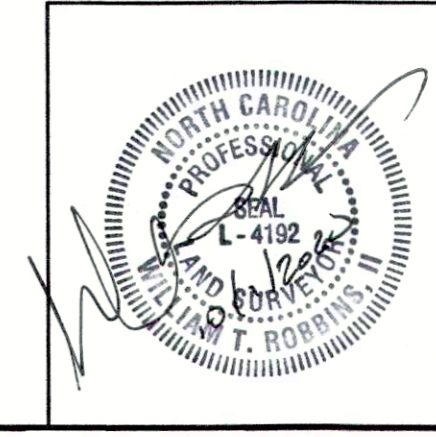
(2)

**JMT JOHNSON, MIRMIRAN & THOMPSON**  
 Engineering A Brighter Future  
 9201 Arboretum Parkway Suite 310 Richmond, Virginia 23236  
 PHONE: (804)-323-9900 FAX: (804)-323-0596  
 EMAIL: jmtva@jmt-engineering.com

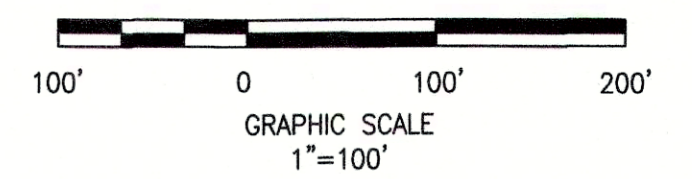
REVISION #	DATE	REASON FOR REVISION
1	10/01/2020	ADDED RIPARIAN BUFFER ALONG WALL CREEK

**ALTA/NSPS LAND TITLE SURVEY**  
 PREPARED FOR  
**WALLBROOK LANDCO, LLC**  
 WAKE FOREST TOWNSHIP  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

DRAWN BY: JSZ PROJECT#: JMT# 17-10946-001  
 CHECKED BY: WTR CONTRACT#: SHEET 2 OF 3  
 DATE: 03/25/2020 SCALE: 1"=100'



MATCH LINE (SEE SHEET 2)



ADJOINING PROPERTY OWNERS

- (7) JOSEPH L. KEELEY, III & SARAH E. KEELEY  
DB 10496 PG 1314  
LOT 79  
BM 2002 PG 825  
PIN# 1758-66-4723
- (8) PHILIP B. MCENANEY & ELIZABETH J. MCENANEY  
DB 16674 PG 2208  
LOT 78  
BM 2002 PG 825  
PIN# 1758-66-3695
- (9) KATHRYN G. GAMBLE & DONALD P. MCFARLAND  
DB 16914 PG 210  
LOT 77  
BM 2002 PG 825  
PIN# 1758-66-3467
- (10) JAMES A. WOODARD & PHYLLIS A. WOODARD  
DB 9813 PG 1290  
LOT 76  
BM 2002 PG 825  
PIN# 1758-66-3293
- (11) CARLTON GROUP OF NORTH CAROLINA, LLC  
DB 11427 PG 882  
POR. TRACT 1  
BM 2005 PG 1195-1196  
PIN# 1758-55-1729
- (12) CARLTON GROUP OF NORTH CAROLINA, LLC  
DB 11427 PG 882  
POR. TRACT 1  
BM 2005 PG 1195-1196  
PIN# 1758-44-5944
- (13) CARLTON GROUP OF NORTH CAROLINA, LLC  
DB 13993 PG 2591  
PIN# 1758-45-1587

LEGEND

- (1) = RECORD DATA PER BM 1996 PG 1582
- (2) = RECORD DATA PER BM 2011 PG 383
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- R/W = RIGHT OF WAY

- C&G = CURB AND GUTTER
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- GV = GAS VALVE
- HB = HAND BOX
- LP = LIGHT POLE
- PP = POWER POLE
- GUY = GUY WIRE
- RCP = REINFORCED CONCRETE PIPE
- S.F. = SQUARE FEET (AREA)
- SIGN = SIGN
- TRAFFIC = TRAFFIC SIGNAL POLE
- SSM = SANITARY SEWER MANHOLE
- SSFMV = SANITARY SEWER FORCE MAIN VALVE
- SDM = STORM DRAIN MANHOLE
- TELEPHONE = TELEPHONE PEDESTAL
- TRAF = TRAFFIC BOX
- WATER = WATER BOX
- WM = WATER METER
- WMH = WATER MANHOLE
- WV = WATER VALVE
- WELL = WELL
- X-WALK = PEDESTRIAN X-WALK POLE
- E = ELECTRIC LINE
- FM = SANITARY SEWER FORCE MAIN
- FO = FIBER OPTIC LINE
- G = GAS LINE
- OHE = OVERHEAD ELECTRIC LINE
- S = SANITARY SEWER LINE
- T = TELEPHONE LINE
- TV = CABLE TV LINE
- W = WATER LINE

LINE	BEARING	DISTANCE	
L1	N 02°07'15" W	48.32'	(6)
L2	N 03°10'03" W	17.67'	(5)
L3	N 41°10'16" E	41.30'	(5)
L4	N 40°37'47" E	49.15'	(5)
L5	N 39°31'43" E	50.83'	(5)
L6	N 38°52'58" E	49.80'	(5)
L7	N 38°22'04" E	50.40'	(5)
L8	N 37°17'31" E	50.37'	(5)
L9	S 75°02'10" E	50.12'	(5)
L10	S 77°31'31" E	22.85'	(2)
L11	S 77°31'31" E	29.16'	(2)
L12	S 84°03'28" E	50.67'	(2)
L13	S 87°10'20" E	135.52'	(2)
L14	S 46°39'44" E	7.50'	(2)
L15	S 36°12'58" E	12.50'	(2)
L16	N 55°13'38" E	70.99'	(2)
L17	N 39°21'58" E	83.92'	(2)

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	1197.82'	3750.00'	18°18'05"	S 45°42'25" W	1192.73'
C2	35.15'	3750.00'	0°32'13"	S 36°49'29" W	35.15'
C3	537.89'	3750.00'	8°13'06"	S 41°12'09" W	537.43'
C4	624.78'	3750.00'	9°32'45"	S 50°05'04" W	624.06'
C5	65.86'	123.92'	30°27'05"	S 17°21'49" E	65.09'
C6	543.86'	3780.00'	8°14'37"	S 41°14'38" W	543.40'
C7	276.12'	600.00'	26°22'04"	N 60°23'53" W	273.69'
C8	440.32'	3720.00'	6°46'55"	S 39°56'50" W	440.07'
C9	675.88'	3712.50'	10°25'52"	S 48°33'13" W	674.95'
C10	70.31'	3700.00'	1°05'20"	S 54°18'48" W	70.31'

(R=3750.00', L=1199.06')(3)

(2)

**JMT JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future*  
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 PHONE: (804)-323-9900 FAX: (804)-323-0596  
 EMAIL: jmtvo@jmt-engineering.com

REVISION #	DATE	REASON FOR REVISION
1	10/01/2020	ADDED RIPARIAN BUFFER ALONG WALL CREEK

**ALTA/NSPS LAND TITLE SURVEY**  
 PREPARED FOR  
**WALLBROOK LANDCO, LLC**  
 WAKE FOREST TOWNSHIP  
 TOWN OF ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

DRAWN BY: JSZ PROJECT#: JMT#: 17-10946-001  
 CHECKED BY: WTR CONTRACT#: JMT#: 17-10946-001  
 DATE: 03/25/2020 SCALE: 1"=100' SHEET 3 OF 3

