

# CONSTRUCTION PHASE 1 FOR KALAS FALLS SITUATED AT ROLESVILLE ROAD, ROLESVILLE WAKE, NORTH CAROLINA

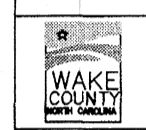
**EROSION AND SEDIMENT CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT APPROVED**

EROSION CONTROL  SEC-047126-2020

STORMWATER MGMT.  SWF-047129-2020

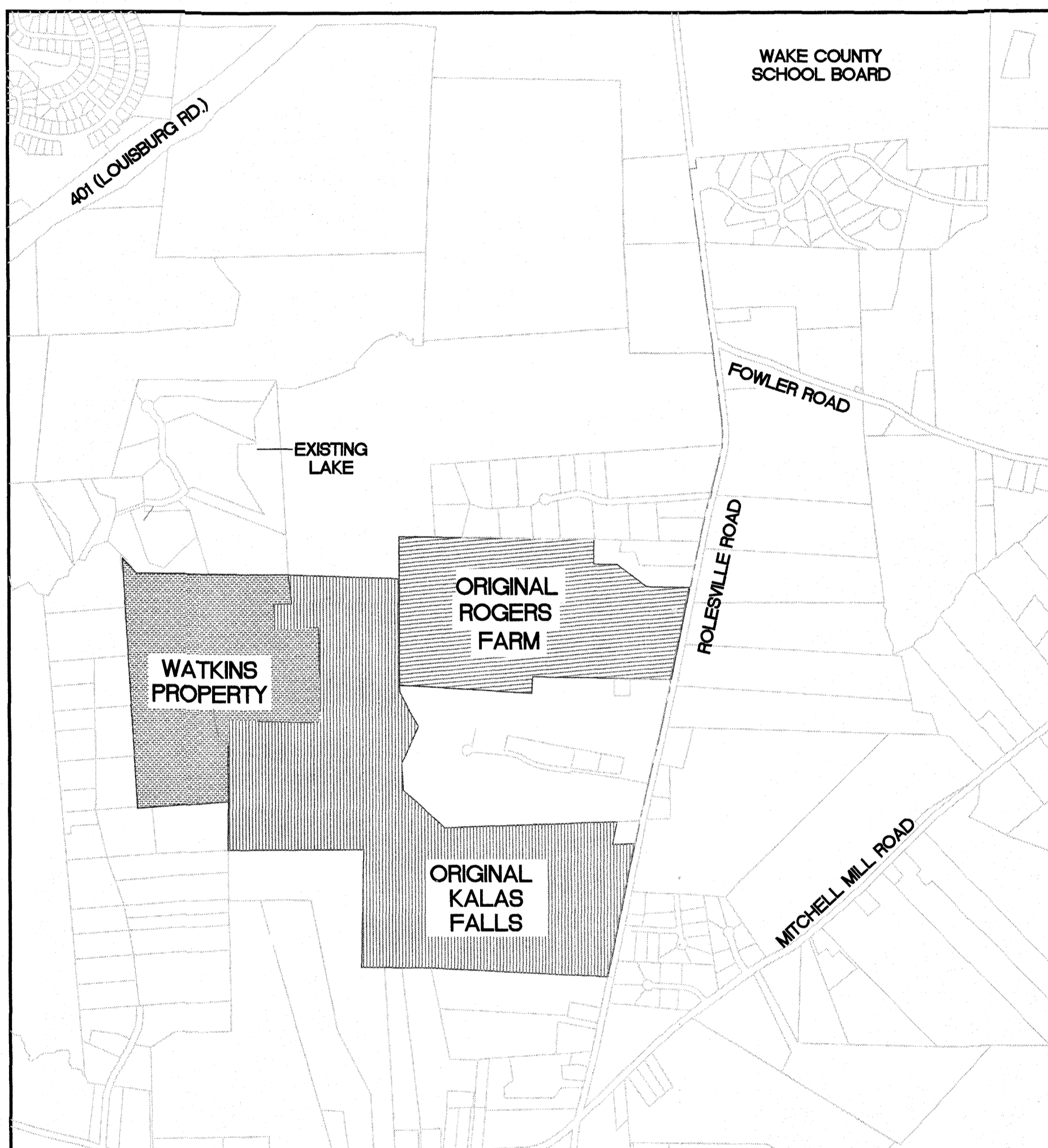
FLOOD STUDY  \_\_\_\_\_

DATE 01/26/2021



ENVIRONMENTAL CONSULTANT SIGNATURE

*7-15-21*  
*Jerran Newberry*  
*919-819-8907*



VICINITY MAP  
SCALE: 1"=1000'

THESE IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND THE STANDARD SPECIFICATIONS OF THE CITY OF RALEIGH, WAKE COUNTY, AND NCDOT.

PUBLIC IMPROVEMENTS PHASE 1	
PUBLIC WATER (12")	3,719 LF
PUBLIC WATER (8")	723.67 LF
PUBLIC WATER (6")	556.31 LF
PUBLIC SEWER (12")	1,453 LF
PUBLIC SEWER (8")	8,483.28 LF
PUBLIC STREETS	8,202.99 LF
ROAD WIDENING	2,411 LF
TOTAL NO. OF LOTS	129
TOTAL DISTURBED AREA	33.78 AC

**APPROVED FOR COMPLIANCE**

Case # PR-2015 Project: Kalas Falls

By: [Signature] Date: July 15, 2021

These plans have been approved for compliance with the Town Code of Ordinance, UDO, and Standard Specifications & Construction Details, subject to statements & conditions hereby incorporated by reference.

SHEET INDEX	
CVR	COVER SHEET
1.0	OVERALL EXISTING CONDITIONS
1.1-1.2	EXISTING CONDITIONS PHASE 1
2.0-2.1	EROSION CONTROL STAGE 1
2.2-2.7	EROSION CONTROL(50 SCALE)
3.0	GENERAL NOTES AND LEGENDS
3.1	SCHEDULE PLAN
4.0	DRAINAGE PLAN OVERALL
4.1-4.6	GRADING & DRAINAGE PHASE 1 (50 SCALE)
4.7	SCM 1A DETAIL
4.8	SCM 2A DETAIL
4.9	SCM 2B DETAIL
4.10	SCM 3D DETAIL
4.11	SCM 3E DETAIL
5.0	SITE PLAN OVERALL
5.1	SITE PLAN PHASE 1 OVERALL
5.2-5.7	SITE PLAN PHASE 1 (50 SCALE)
6.0	OVERALL UTILITIES PLAN
6.1-6.6	UTILITY SHEET (50 SCALE)
7.0-7.2	FALLS BLUFF DR PLAN AND PROFILE
8.0	DARTFORD GREEN PLACE AND OUTFALL A PLAN AND PROFILE
9.0	STONERIDGE BARN WAY PLAN AND PROFILE
10.0	HILL TOP CREST CT AND OUTFALL D PLAN AND PROFILE
11.0	TANSLEY CREST LOOP (E) PLAN AND PROFILE
12.0	TANSLEY CREST LOOP (W) PLAN AND PROFILE
13.0	FRIENDLY MILL LANE & OUTFALL E PLAN AND PROFILE
14.0	SANITARY SEWER OUTFALL A PLAN AND PROFILE
15.0	SANITARY SEWER OUTFALL C PLAN AND PROFILE
16.0	SANITARY SEWER OUTFALL G PLAN AND PROFILE (10+00-17+51.82)
17.0	SANITARY SEWER OUTFALL G PLAN AND PROFILE (17+51.82-24+52.54)
18.0	ROLESVILLE RD SOTHERN SECTION EXISTING & IMPROVEMENTS
18.1	ROLESVILLE RD NORTHERN SECTION EXISTING & IMPROVEMENTS
18.2	ROLESVILLE RD OFF-SITE STORM PLAN AND PROFILE
18.3	ROLESVILLE RD OFF-SITE STORM PLAN AND PROFILE
19.0	ROLESVILLE RD IMPROVEMENTS
20.0	TRANSPORTATION PLAN
X1	CROSS-SECTION STA: 9+57.35 - 11+50
X2	CROSS-SECTION STA: 12+00 - 14+00
X3	CROSS-SECTION STA: 14+50 - 16+50
X4	CROSS-SECTION STA: 17+00 - 19+00
X5	CROSS-SECTION STA: 19+50 - 21+50
X6	CROSS-SECTION STA: 22+00 - 22+50
X7	CROSS-SECTION STA: 37+50 - 39+00
X8	CROSS-SECTION STA: 39+50 - 41+50
X9	CROSS-SECTION STA: 42+00 - 44+00
X10	CROSS-SECTION STA: 44+50 - 46+50
X11	CROSS-SECTION STA: 47+00
CD1-CD5	EROSION CONTROL DETAIL
CD6-CD8	WATER DETAIL
CD9-CD11	SANITARY SEWER DETAIL
CD12-CD19	STORM DETAIL

**PROJECT NARRATIVE**

THIS PROJECT IS LOCATED IN ROLESVILLE, NORTH CAROLINA AT ROLESVILLE ROAD. IT INVOLVES THE COMBINING OF SEPARATELY PROPOSED PROJECTS KNOWN AS KALAS FALLS, ROGERS FARM AND ONE OTHER TRACT KNOWN AS THE WATKINS PROPERTY. IT DRAINS TO TRIBUTARIES OF HARRIS BRANCH WHICH IS PART OF THE NEUSE RIVER BASIN. IT IS ALSO BOUNDED ON ALL SIDES BY MOSTLY UNDEVELOPED LAND. IT IS APPROXIMATELY 0.5 MILES NORTHWEST OF THE INTERSECTION OF MITCHELL MILL ROAD AND ROLESVILLE ROAD IN WAKE COUNTY, NORTH CAROLINA. THE TOTAL AREA OF THE PROJECT IS 282.726(EXCLUDES EXISTING ROW AND CEMETERY) ACRES. THE CURRENT PHASE IS 83.66 ACRES.

**ATTENTION CONTRACTORS:**

THE 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 AND SEWER FACILITIES NOT INSPECTED AS A OF THE NOTIFICATION FAILURE.

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

**GENERAL NOTES:**

- ALL PUBLIC WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT 811 (1-800-632-4949)
- TO LOCATE ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES AND NOTIFY THE PROJECT ENGINEER (919-469-1101) OF ANY CONFLICTS.
- ALL BOUNDARY AND FIELD TOPOGRAPHY PROVIDED BY WITHERS & RAVENEL.
- ALL CONDITIONS OF SUP 19-01 AND MA 19-02 R&PUD ARE APPLICABLE AND WILL BE MET.

PROPERTY OWNER:	MITCHELL MILL ROAD INVESTORS LLC CONTACT: KARL BLACKLEY 105 WESTON ESTATES WAY CARY, NC 27513 919-481-3000
DEVELOPER:	MITCHELL MILL ROAD INVESTORS LLC CONTACT: KARL BLACKLEY 105 WESTON ESTATES WAY CARY, NC 27513 919-481-3000
SURVEYOR:	WITHERS RAVENEL CONTACT: MATT TIMLIN 115 MACKENAN DRIVE CARY, NC 27511 919-469-3340
BUFFER/WETLAND:	WITHERS RAVENEL CONTACT: TROY BEASLEY 115 MACKENAN DRIVE CARY, NC 27511 919-469-3340

**SITE PERMITTING APPROVAL**

Water and Sewer Permits (if applicable)

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # S-4824

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 # W-3784

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

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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

City of Raleigh Development Approval \_\_\_\_\_  
Raleigh Water Review Officer

No.	DATE	REVISION	DWGCHK	EDS/JRH
1	6-14-2021			

**COVER SHEET**  
FOR  
**KALAS FALLS**  
SITUATED AT  
**ROLESVILLE ROAD, ROLESVILLE**  
WAKE COUNTY, NORTH CAROLINA  
FIRM # C-3881

**AMERICAN**  
Engineering

American Engineering Associates-Southeast, P.A.  
875 Walnut Street, Suite 360  
Cary, NC 27511  
919-469-1101

Job Number: 9900  
Checked By: JRH  
Drawn By: EDS  
Date: 9/19/2019

6.28.21

**SHEET NO.**  
**CVR**