1	ON AND SEDIMENT CONTROL, STORMWATER LOODPLAIN MANAGEMENT VED
EROS	ION CONTROL S-xxxx
STOR	MWATER MGMT. S-XXXX
FLOC	DD STUDY
DATE	<u>xx/xx/20</u>
₩ WAKE	
COUNTY NORTH CAROLINA EFFECTIVE: 08/23/17	ENVIRONMENTAL CONSULTANT SIGNATURE

Please see red lined comments. Please submit public water and sewer permit applications once subdivision utility design and downstream sanitary sewer replacement design is complete. Please update the downstream sanitary sewer capacity study to include the flows for phase 3. Any downstream segments above 65% capacity will need to be designed to be replaced as part of these CDs.

A note has been added to this sheet.

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 AC(EXCLUDES EXISTING ROW AND CEMETERY). THE CURRENT PHASE IS 79.96 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 DEPARMENT 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 AT THE TIME OF THE NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTEAM 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.

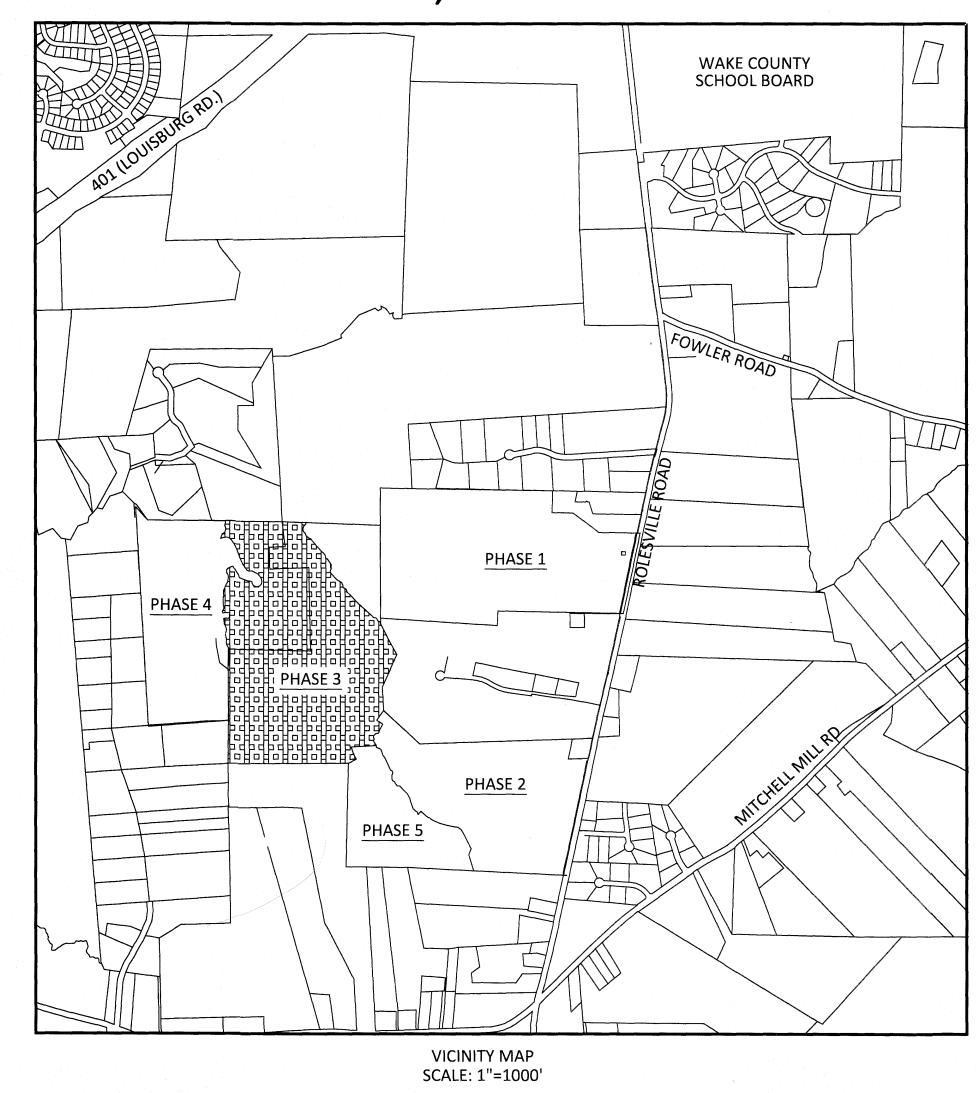
- ALL PUBLIC WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY
- OF RALEIGH STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL (1-800-632-4949) TO LOCATE ALL EXISTING
- UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES AND NOTIFY THE
- PROJECT ENGINEER (919-469-1101) OF ANY CONFLICTS. 4. ALL BOUNDARY AND FIELD TOPOGRAPHY PROVIDED BY WITHERS & RAVENEL.

CONSTRUCTION PHASE 3 FOR KALAS FALLS

ROLESVILLE ROAD, ROLESVILLE

SITUATED AT

WAKE COUNTY, NORTH CAROLINA



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

APPROVED FOR COMPLIANCE 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.

SITE PERMITTING APPROVAL

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

PROPRTY OWNER:

DEVELOPER:

BUFFER/WETLAND:

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

MITCHELL MILL ROAD INVESTORS LLC CONTACT: KARL BLACKLEY	SHEET INDEX			
105 WESTON ESTATES WAY	CVR	COVER SHEET		
CARY, NC 27513 919-481-3000	1.0	OVERALL EXISTING CONDITIONS		
MITCHELL MILL ROAD INVESTORS LLC	1.1-1.2	EXISTING CONDITIONS PHASE 3		
CONTACT: KARL BLACKLEY 105 WESTON ESTATES WAY	2.0-2.1	EROSION CONTROL STAGE 1		
CARY, NC 27513 919-481-3000	2.2-2.6	EROSION CONTROL(50 SCALE)		
WITHERS DAVIENE	2.7	CULVERT CROSSING DETAILS		
WITHERS RAVENEL CONTACT: MATT TIMLIN	3.0	GENERAL NOTES AND LEGENDS		
115 MACKENAN DRIVE CARY, NC 27511 919-469-3340	3.1	SCHEDULE PLAN		
CAN1, NC 27311 313-403-3340	4.0	DRAINAGE PLAN OVERALL		
WITHERS RAVENEL	4.1-4.5	GRADING & DRAINAGE PHASE 3 (50 SCALE)		
CONTACT: TROY BEASLEY	4.6	SCM 3B DETAIL		
115 MACKENAN DRIVE CARY, NC 27511 919-469-3340	4.7	SCM 3C DETAIL		
	4.8	SCM 4B DETAIL		
	4.9	SCM 4C DETAIL		
	4.10	SCM 4E DETAIL		
	4.11	SCM 8A DETAIL		
	5.0	SITE PLAN OVERALL		
	5.1	SITE PLAN PHASE 3 OVERALL		
	5.2-5.6	SITE PLAN PHASE 3 (50 SCALE)		

OVERALL UTILITIES PLAN

UTILITY SHEET (50 SCALE)

9.0-9.1

CD1-CD19 | CIVIL DETAILS

PLEASANT RUN ST PLAN AND PROFILE DIOMERE LANE PLAN AND PROFILE

FALLS BLUFF DR PLAN AND PROFILE

ELAM FIELD CT PLAN AND PROFILE BROOKBANK DR PLAN AND PROFILE

DONNINGTON HILL DR PLAN AND PROFILE WOODLYN PARK DR PLAN AND PROFILE HARVEST HILL WAY PLAN AND PROFILE

STAFFORDSHIRE BLUFF ST PLAN AND PROFILE **GRAYMONT OAKS DRIVE PLAN AND PROFILE** OFF STREET STORMWATER PLAN AND PROFILE GREEN WAY TRAIL "A" PLAN AND PROFILE GREEN WAY TRAIL "B" PLAN AND PROFILE

	PUBLIC II	MPROVME	NTS	
PU	JBLIC WATER	(12")		4,230 LF
PI	UBLIC WATE	R (8")		5,803 LF
P	JBLIC WATE	R (6")		251 LF
Р	UBLIC SEWEI	२ (8")		11,365 LF
	PUBLIC STRE	ETS	-	10,273 LF
TO	OTAL NO. OF	LOTS		145
LIMI	TS OF DISTU	RBANCE		33.44 AC

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

Raleigh Water Review Officer

issued will invalidate this approval.

City of Raleigh Development Approval

STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, A PIETE STATE SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE O EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSEI ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

JOB NUMBER: 9900 CHECKED BY: DRAWN BY: DATE: FEB 18, 2021

SHEET TITLE:

COVER SHEET

North Carolina 811

Remote Ticket Entry http://nc811.org/remoteticketentry.

North 81 Carolina

SHEET NO .:

OF BANKS 76 77 89 104 78 91 79 108 80 109 92 81 93 82 95 114 115 FALLS BLUFF DR. 210 235 211 ద 207 212₹ SCM 48 206 232 201 | 202 | 203 \ 204 \ 231 282 230 2.45 AC. 281 229 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 228 283 303 HARVEST HILL WY. 227 308 307 306 305 309 302 277 300 311 | 312 | 313 | 314 | 315 | 316 \ 317 276 299 298 275 326 297 \ 325 319 | 320 | 321 | 322 | 323 | 324 274 291 273 295 328 | 329 | 330 | 331 | 332 | 333 334 293 294 272 STAFFORDSHIRE BLUFF ST 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 337 338 | 339 | 340 | 341 342 271 343 344 specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # 270 The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer ANNIE H. MOODY ZONING: R-30 D.B. 3750, PG. 587 collection system as shown on this plan. The material and constructions methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit #

UTILITIES LEGEND EXISTING BOUNDARY EXISTING WETLANDS **EXISTING 50' NEUSE** RIPERIAN BUFFER ----- EXISTING BUFFER ZONES ---- PROPOSED LOT LINE PROPOSED ROW PROPOSED SIDEWALK PROPOSED BOC PROPOSED EOP PROPOSED CENTERLINE PROPOSED EASEMENT ##### PHASELINE RIP RAP SEDIMENT BASIN WEIR JUNCTION BOX PROPOSED CATCH BASIN PROPOSED YARD INLET PROPOSED DROP INLET PROPOSED FLARED END SECTION PROPOSED WATER METER PROPOSED SEWER SERVICE PROPOSED MANHOLE PROPOSED FIRE HYDRANT PROPOSED WATER VALVE PROPOSED WATER REDUCER PROPOSED SEWER LINE --- w --- w ---PROPOSED WATER LINE PROPOSED STORM WATER EXISTING WETLANDS AREA OPEN SPACE FUTURE PHASING **EXISTING PHASING**

THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON. AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR PELISE ON OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

GRAPHIC SCALE (IN FEET) 1 inch =120

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

SITE PERMITTING APPROVAL

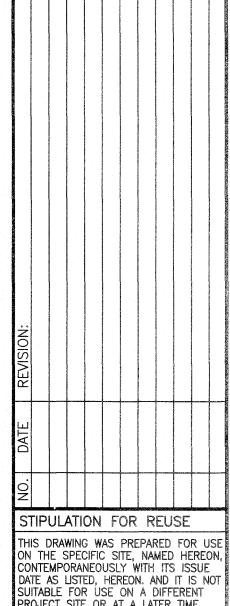
Raleigh Water Review Officer

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

SHEET NO.:







JOB NUMBER: 9900 CHECKED BY: DRAWN BY: DATE: FEB 18, 2021 SHEET TITLE:

PHASE 3 OVERALL UTILITY PLAN

6.0

From this point north along Pleasant Run St, the waterline

of the roadway to avoid

and storm sewer.

been made.

should remain in the west side

multiple sewer crossings and allow for more separation

between the sanitary sewer

This connection has

The same concept

applies here. This

remain on the west

side of Falls Bluff to avoid crossing the

waterline should

