

CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL FOR THE PRESERVE AT MOODY FARM

1ST CD SUBMITTAL: 12-02-2024
2ND CD SUBMITTAL: 02-03-2024

SITUATED AT
0 ROLESVILLE ROAD AND 0
AMAZON TRAIL
WAKE COUNTY, NORTH CAROLINA

SITE INFORMATION	
OWNER	HOLLINGSWORTH, W.C., JR. AND HOLLINGSWORTH, LAURA W. P.O. BOX 61 LOUISBURG NC 27549-0061 AND MOODY, BENNY LAWRENCE AND MOODY, JEFFREY LYNN 1716 ROLESVILLE RD, WAKE FOREST NC 27587-9677
REAL ESTATE ID	0048383 AND 0048422
PIN NUMBERS	1767284925 AND 1767284304
DEED BOOK	DB:017552 PG:02100 AND DB:014297 PG:01583
DEEDED ACREAGE	51.78 AC
EXISTING ZONING	R-3 CZ
TOTAL PROJECT ACREAGE	48.28 AC
GOVERNMENTAL USE	0.48 AC
AREA IN LOTS	24.69 AC
AREA IN ROW	6.54 AC
EXISTING ROW	0.27 AC
DEDICATED ROW	0.14 AC
TOTAL LOTS	82
MIN LOT SIZE	10,000 SF
MIN LOT WIDTH	65'
FRONT SETBACK	25'
REAR SETBACK	25'
SIDE SETBACK	10'
CORNER SETBACK	25'
DENSITY	1.6 UNIT/AC.
OPEN SPACE REQ.	10% / 5 AC.
OPEN SPACE PROVIDED	37% / 18.81 AC
ACTIVE REQUIRED	2.5 AC (50% OF 5 AC)
ACTIVE SHOWN	2.7 AC
LF OF PUBLIC STREETS	5,531 LF
EXISTING IMPERVIOUS	0.67 AC
PROPOSED IMPERVIOUS	14.86 AC

- GENERAL NOTES:**
- 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.
 - ALL BOUNDARY AND FIELD TOPOGRAPHY PROVIDED BY WITHERS & RAVENEL.
 - THE ZONING ENTITLEMENTS ACHIEVED/FACILITATING THIS PRELIM PLAT IS MA 21-05, APPROVED 12-7-2021 AS TOWN BOARD AGENDA ITEM B.2 ON THE CONSENT AGENDA; IT INCLUDES 5 CONDITIONS AND A CONCEPT PLAN DRAWING.
 - PLEASE SEE APPROVED WITH MA 21-05 BY TOWN BOARD OF COMMISSIONERS - SHEET NUMBER MA.
 - OPEN SPACE LOTS AND SCM'S WILL BE OWNED AND MAINTAINED BY HOA.
 - ALL PROPOSED STREETS WILL BE DEDICATED TO TOWN AND THUS OWNED AND MAINTAINED BY TOWN.

ZONING CONDITIONS (CASE # MA-21-05)

- PERMITTED USE LIMITED TO "DWELLING - SINGLE FAMILY."
- ALL DWELLINGS TO BE CONSTRUCTED ON RAISED FOUNDATIONS WITH CRAWLSPACES. NO ON-SLAB CONSTRUCTION.
- DEVELOPMENT TO INCORPORATE A PUBLIC GREENWAY AS SHOWN ON THE SKETCH PLAN INCORPORATING OPTION 2 TOGETHER WITH WAYFINDING SIGNAGE AND CONSTRUCTION OF A 10' OFF-SITE MULTI-USE PATH ALONG WOODLYN PARK DRIVE, CONNECTING THIS GREENWAY TO THE PROPOSED KALAS FALLS GREENWAY.
- PRIOR TO COMPLETION OF THE ON-SITE GREENWAY, A 6' SOLID BOARD FENCE SHALL BE ERECTED ALONG THE PROPERTY BOUNDARY LINE FRONTING THE EASTERN TERMINUS OF THE GREENWAY AND BORDERING THE SHORE PROPERTY (PIN: 1767-38-1953).
- ON-SITE CONSTRUCTION SHALL NOT COMMENCE UNTIL THE KALAS FALLS ROLESVILLE ROAD WIDENING PROJECT IS COMPLETE.

RALEIGH WATER INSPECTIONS QUANTITIES (SUBDIVISIONS AND SITE PLANS)

PHASE NUMBER	PHASE 1
NUMBER OF LOTS	82
NUMBER OF UNITS	82
PUBLIC WATER (LF)	5,517
PUBLIC SEWER (LF)	6,985
PRIVATE SEWER* (LF)	N/A
WATER SERVICE STUBS (QUANTITY)	87
SEWER SERVICE STUBS (QUANTITY)	87
AVERAGE DAILY FLOW PER PHASE**	26,100 GPD

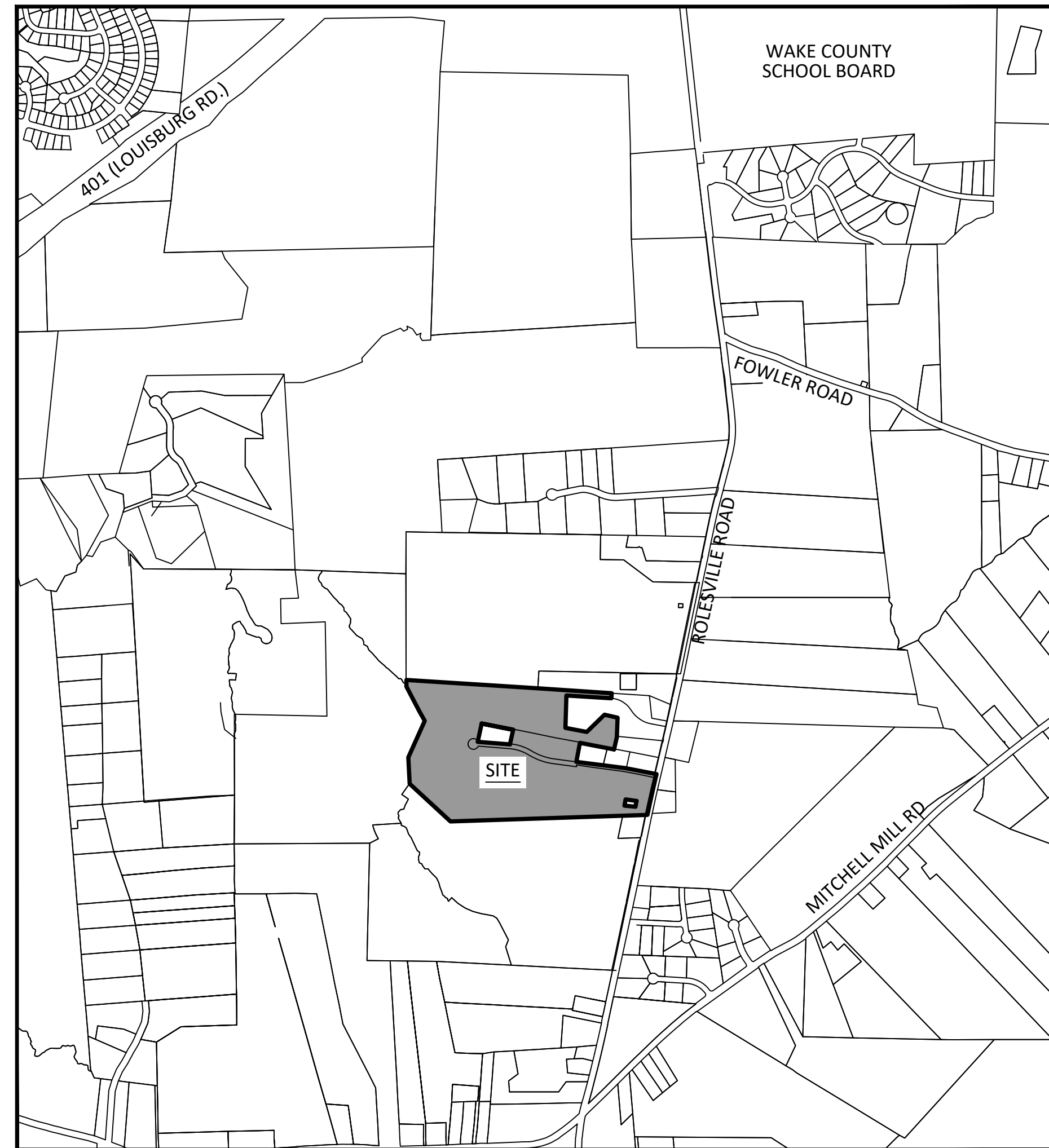
*SEWER MAINS AND MANHOLES AS PART OF A COLLECTION SYSTEM
**ENTIRE PROJECT FLOW, BASED ON 75 GPD PER BEDROOM FOR RESIDENTIAL (APARTMENTS, SINGLE FAMILY DWELLING, TOWNHOUSE, CONDOS), OR BASED ON 15A NCAC 0.2T.0114 WASTEWATER DESIGN FLOW RATES FOR COMMERCIAL AND INDUSTRIAL. THE METER SIZE MUST MATCH DOMESTIC SERVICE SIZE (EXEMPTION - 3/4" SERVICE TAP WITH 5/8" METER)

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 Inspector at 919-996-3245 or <https://cityworks.raleighnc.gov/contractors/New> and schedule a Pre-construction meeting prior to beginning any construction. Raleigh Water must be contacted at (919) 996-4540 at least twenty-four hours prior to beginning any work actively around critical water and sewer infrastructure.

Failure to notify the Divisions 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.



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

REQUIRED APPROVALS	
PERMIT	PERMIT NUMBER:
POND REMOVAL PERMIT	SEC-063778-2021
TOWN OF ROLESVILLE PROJECT NUMBER	CID-24-09
TOWN OF ROLESVILLE CONSTRUCTION DOCUMENTS	TBD
WAKE COUNTY EROSION CONTROL	TBD
WAKE COUNTY STORMWATER	TBD
CITY OF RALEIGH WATER	TBD
CITY OF RALEIGH SEWER	TBD

PROPRY OWNER:	HOLLINGSWORTH, W.C., JR. AND HOLLINGSWORTH, LAURA W. P.O. BOX 61 LOUISBURG NC 27549-0061 PIN 1767284925 AND MOODY, BENNY LAWRENCE AND MOODY, JEFFREY LYNN 1716 ROLESVILLE RD, WAKE FOREST NC 27587-9677 PIN: 1767284304
DEVELOPER:	CARUSO HOMES CONTACT: CHISTY BECK 206 HIGH HOUSE RD STE 205 CARY, NC 27513 919-678-5698
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

EROSION CONTROL, STORMWATER AND FLOODPLAIN MANAGEMENT

APPROVED

EROSION CONTROL S-
STORMWATER MGMT. S-
FLOOD STUDY S-
DATE: _____

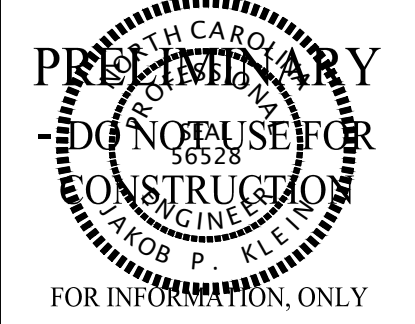
ENVIRONMENTAL CONSULTANT SIGNATURE

NOTE:
TA 20-01 WAS ADAPTED 9-15-20, PERMITTING THE " DWELLING- SINGLE FAMILY DETACHED" USE IN THE R-3 DISTRICT, AND ESTABLISHED: MINIMUM LOT AREA OF 10,000 SF; MINIMUM LOT WIDTH 65'; FRONT YARD SETBACK OF 25'; SIDE YARD SETBACK OF 10'; CORNER YARD SETBACK OF 15'; REAR YARD SETBACK OF 25'

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
CVR	COVER
C1.0	OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN
C2.0	GENERAL NOTES
C2.1	GENERAL NOTES
C3.0	OVERALL ESC STAGE 1
C3.1	ESC STAGE 1 A
C3.2	ESC STAGE 1 B
C3.3	ESC STAGE 1 C
C3.4	ESC STAGE 1 D
C3.5	OVERALL ESC STAGE 2
C3.6	ESC STAGE 2 A
C3.7	ESC STAGE 2 B
C3.8	ESC STAGE 2 C
C3.9	ESC STAGE 2 D
C3.10	OVERALL ESC STAGE 3
C3.11	ESC STAGE 3 A
C3.12	ESC STAGE 3 B
C3.13	ESC STAGE 3 C
C3.14	ESC STAGE 3 D
C3.15	NPDES PLAN
C4.0	OVERALL SITE PLAN
C4.1	SITE PLAN A
C4.2	SITE PLAN B
C4.3	SITE PLAN C
C4.4	SITE PLAN D
C4.5	PHASING PLAN
C4.6	OPEN SPACE AND LAND USE PLAN
C5.0	OVERALL DRAINAGE PLAN
C5.1	DRAINAGE PLAN A
C5.2	DRAINAGE PLAN B
C5.3	DRAINAGE PLAN C
C5.4	DRAINAGE PLAN D
C5.5	POST DRAINAGE AREA MAP
C6.0	OVERALL UTILITIES PLAN
C6.1	UTILITY PLAN A
C6.2	UTILITY PLAN B
C6.3	UTILITY PLAN C
C6.4	UTILITY PLAN D
C7.0	SCHEDULE
C7.1	SCHEDULE
C8.0	SCM 1
C8.1	SCM 2
C8.2	SCM 3
C8.3	SCM 4
C8.4	SCM 5
C8.5	CULVERT CROSSING
C9.0	MULBERRY PLAN AND PROFILE
C9.1	MULBERRY PLAN AND PROFILE
C10.0	TANSLEY CREST LOOP PLAN AND PROFILE
C11.0	VINTAGE VINERY CT PLAN AND PROFILE
C12.0	CUL-DE-SAC AND STUB PLAN AND PROFILES
C13.0	SEWER OUTFALL
C13.1	SEWER OUTFALL
C13.2	SEWER OUTFALL
C13.3	SEWER OUTFALL
C14.0	STORM OUTFALL PLAN AND PROFILES
C15.0	GREENWAY PLAN AND PROFILE
C15.1	GREENWAY PLAN AND PROFILE
CD1	EROSION CONTROL DETAILS
CD2	EROSION CONTROL DETAILS
CD3	EROSION CONTROL DETAILS
CD4	EROSION CONTROL DETAILS
CD5	EROSION CONTROL DETAILS
CD6	UTILITY DETAILS
CD7	UTILITY DETAILS
CD8	UTILITY DETAILS
CD9	UTILITY DETAILS
CD10	UTILITY DETAILS
CD11	DRAINAGE DETAILS
CD12	DRAINAGE DETAILS
CD13	SITE DETAILS
CD14	SITE DETAILS
CD15	SITE DETAILS
CD16	SITE DETAILS
L1	LANDSCAPE PLAN
L2	BUFFER PLAN
L3	PLANTING NOTES AND DETAILS



PRELIMINARY



FOR INFORMATION ONLY

NO.	DATE	REVISION:
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

STIPULATION FOR REUSE

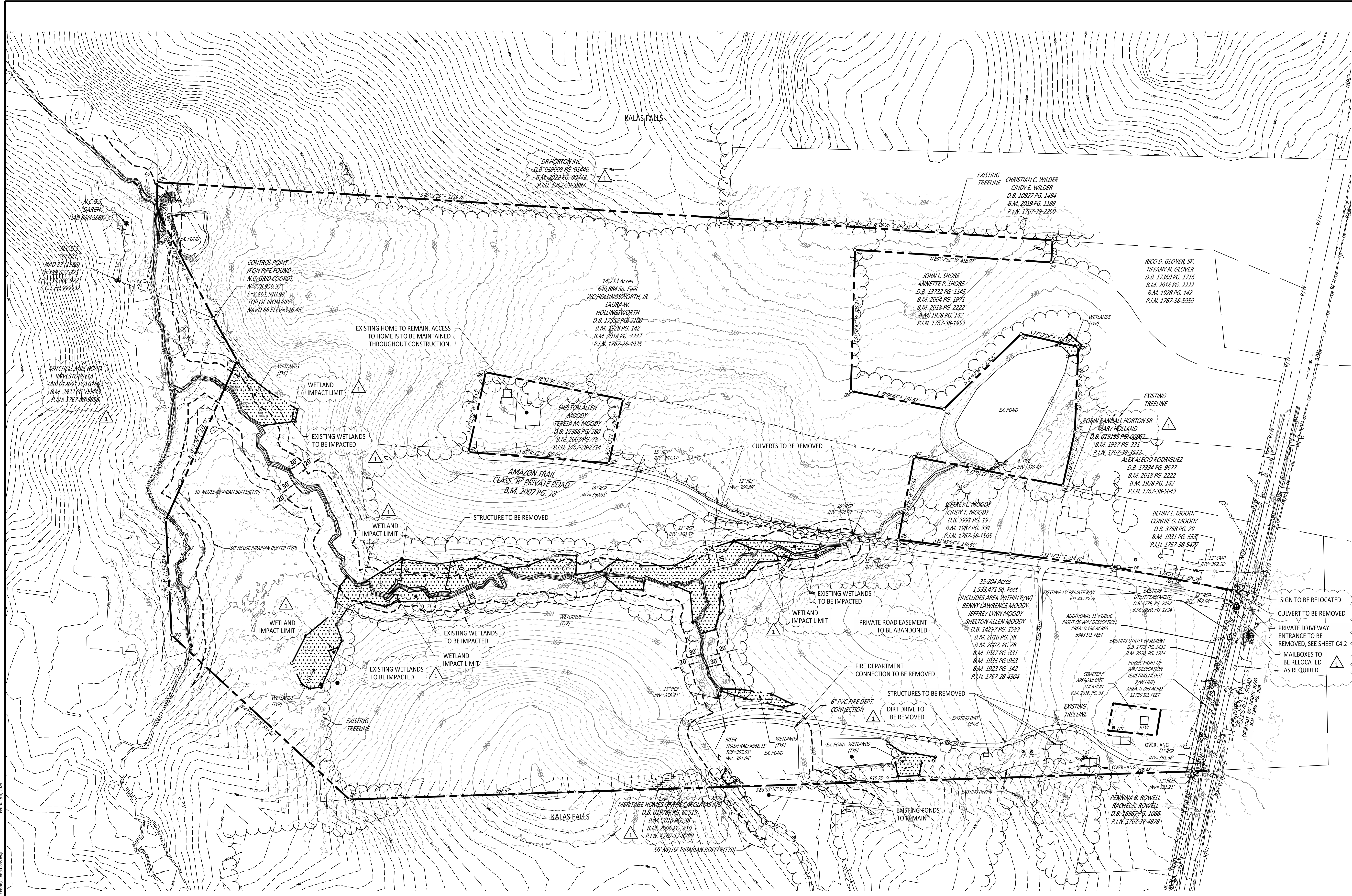
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY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

THE PRESERVE AT MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER:	21-002
CHECKED BY:	JK
DRAWN BY:	RC & SM
DATE:	02/03/2025
SHEET TITLE:	COVER
SHEET NO.:	CVR



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



EXISTING LEGEND

	WETLANDS AREA
	EXISTING BOUNDARY
	EXISTING TREE LINE
	EXISTING TOPOGRAPHY
	50' NEUSE RIPARIAN BUFFER
	BUFFER ZONE 1 AND 2
	TOP OF CREEK
	BOTTOM OF CREEK
	POND ELEVATION BOUNDARY
	EXISTING STORM PIPE
	EXISTING ROAD EASEMENT
	EXISTING BUILDING

NO.	DATE	REVISION
1	02/03/2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

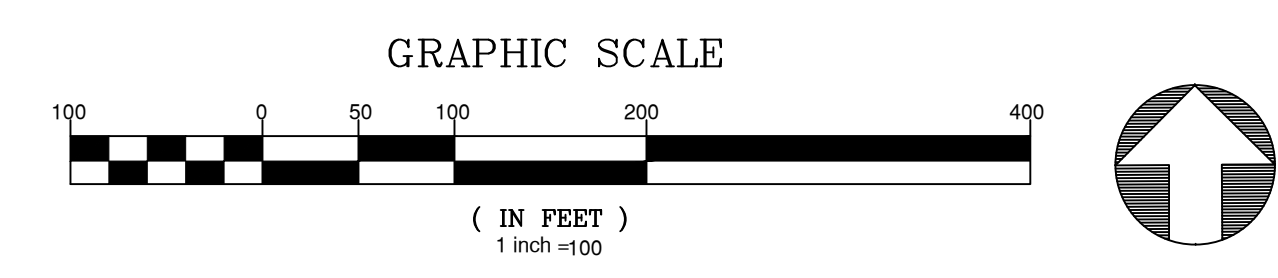
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THE PRESERVE AT MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:
OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN
SHEET NO.:
C1.0

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 29°16'51" W	103.15'
L2	S 13°14'13" W	30.80'
L3	S 13°11'52" W	75.23'
L4	S 12°45'00" W	105.78'
L5	S 12°20'07" W	102.35'
L6	S 11°47'14" W	73.35'
L7	N 11°47'14" E	80.81'
L8	N 12°20'07" E	102.60'
L9	N 12°45'00" E	106.01'
L10	N 13°11'52" E	75.35'
L11	N 13°14'13" E	29.69'
L12	N 00°09'21" W	60.99'
L13	S 03°23'06" W	47.18'



GENERAL NOTES:
1. TOPO SHOWN ON THIS SHEET IS 1' CONTOURS AND IS FIELD TOPOGRAPHY.



February 3, 2025
23:00:01:000: Moody Development, Tract 1821000309464, Working Drawing Construction Set, L.D. Condit, Condit, Inc.

GENERAL NOTES:

- A. ALL TREE PROTECTION FENCING SHALL BE MAINTAINED UNTIL ALL SITE WORK HAS BEEN COMPLETED. THE FENCING SHALL BE REMOVED ONCE THE FINAL SITE INSPECTION AND ACCEPTANCE HAS BEEN GRANTED BY THE WAKE COUNTY EROSION CONTROL INSPECTOR.
B. WITHIN THE SIGHT TRIANGLES SHOWN ON ALL SITE PLAN AND LANDSCAPE PLAN SHEETS, NO OBSTRUCTION BETWEEN 2 FEET AND 8 FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION SHALL BE LOCATED IN WHOLE OR PART. OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO, ANY BERM, FOLIAGE, FENCE, WALLING, PARKED CAR, OR OTHER OBJECT. ALL STREET TREES FALLING WITHIN THE SIGHT TRIANGLES SHOWN ON THIS PLAN SHALL BE LIMBED UP BETWEEN 2 FEET AND 8 FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION.
C. MINIMUM CORNER CLEARANCE FROM THE CURB LINE OF INTERSECTING STREETS SHALL BE AT LEAST 20 FEET FROM THE POINT OF TANGENCY OF THE CURB. NO DRIVEWAYS SHALL ENCR OACH ON THIS MINIMUM CORNER CLEARANCE.
D. ALL STREETS SHOWN ON THESE PLANS HAVE FULL WIDTH OF RIGHT-OF-WAY CLEARED AND GRADED WITHIN 50 FEET OF ALL STREET INTERSECTIONS. THE FULL WIDTH OF RIGHT-OF-WAY SHALL BE CLEARED AND GRADED ALONG ALL MAJOR, MINOR AND SENSITIVE AREA THOROUGHFARES.
E. WHEEL CHAIR ACCESS RAMPS WILL BE PROVIDED IN ACCORDANCE WITH STANDARD DRAWING SHOWN ON SHEET CD-15. WHERE SIDEWALK IS NOT REQUIRED ALONG THE PUBLIC RIGHT-OF-WAY, CURB IS TO BE DEPRESSED AT ALL RAMP LOCATIONS SHOWN ON THE STANDARD DETAIL.
F. ALL INDIVIDUAL LOTS SHALL HAVE AN EROSION CONTROL PLAN SUBMITTED PRIOR TO CONSTRUCTION OF HOUSES THERE UPON. IF MULTIPLE LOTS WITH A TOTAL DISTURBED AREA OF MORE THAN 12,000 SF ARE TO BE BUILT UPON AT ONE TIME, A COORDINATED EROSION CONTROL PLAN SHALL BE SUBMITTED.
G. ALL PUBLIC WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
H. CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE CALL (1-800-632-4949) TO LOCATE ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
I. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE EXISTING UTILITIES AND NOTIFY THE PROJECT ENGINEER (919-469-1101) OF ANY CONFLICTS.
J. ALL BOUNDARY AND FIELD TOPOGRAPHY PROVIDED BY WITHERS & RAVENEL.
K. PHASE LINES SHOWN ARE SPECIFICALLY FOR ESTABLISHING LOTS THROUGH PLATTING PROCESS.

STANDARD UTILITY NOTES (AS APPLICABLE):

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
2. UTILITY SEPARATION REQUIREMENTS:
A) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
B) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
E) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49)
F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY.
4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24-HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
5. SEWER BYPASS PUMPING - A BYPASS PLAN SEALED BY AN NC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL. THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE PUBLIC UTILITIES HANDBOOK.
6. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
7. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
8. INSTALL 4" COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'x2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
9. INSPECTIONS OF 4" AND LARGER WATER MAINS OF THE PRIVATE DISTRIBUTION SYSTEM WILL BE INSPECTED AS PART OF THE INFRASTRUCTURE PERMIT.
10. PRIVATE SEWER MAINS AS PART OF A COLLECTION SYSTEM ARE PERMITTED AND INSPECTED UNDER THE PRIVATE INFRASTRUCTURE PERMIT FOR SEWER.
11. ANY WATER OR SEWER SERVICES ON PRIVATE PROPERTY THAT WILL BE INSTALLED UNDER CONSTRUCTION DRAWINGS MAY REQUIRE A PLUMBING UTILITY PERMIT IN THE CITY OF RALEIGH. CONSULT WITH THE ENGINEERING INSPECTION COORDINATOR DURING THE PRE-CONSTRUCTION MEETING ON THE NECESSARY PERMITS.
12. INSTALL 4" PVC* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
13. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
14. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
15. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
16. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC AND/OR BUILDING PERMIT. CONTACT (919) 996-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION.
17. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON THE DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA.
18. THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST.
19. THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPENDIX A - GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
20. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH, INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION.
21. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN \$250,000.00 MUST UNDERGO THE PUBLIC BIDDING PROCESS.
22. PRIVATE SUB-METERING - NO RESALE OF WATER SHALL OCCUR WITHOUT APPROVAL OF THE NORTH CAROLINA UTILITY COMMISSION. SUB-METERING SHALL BE IN ACCORDANCE WITH SECTION 1400 OF THE "SAFE DRINKING WATER ACT".

NOTES FOR CONSTRUCTION:

- 1. PLANS FOR INFRASTRUCTURE ONLY.
2. ALL CONSTRUCTION MUST BE PERFORMED IN ACCORDANCE WITH CURRENT CITY OF RALEIGH STANDARD SPECS AND DETAILS, WAKE COUNTY SPECIFICATIONS, NCDOT SPECIFICATIONS AND TOWN OF ROLESVILLE SPECIFICATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND THESE DRAWINGS.
4. THERE ARE NO 100 YEAR FLOOD PLAINS PER FEMA MAP WITHIN PROPERTY.
5. CONTRACTOR WILL KEEP STREETS CLEAN AT ALL TIMES, OR A WASH STATION WILL BE REQUIRED.
6. ALL CATCH BASINS SHALL HAVE INLET PROTECTION.
7. ALL CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING, WITH SOME SLOPES TO BE STABILIZED WITHIN 7 DAYS AS SHOWN ON CHART TO THE LEFT AND ON THE EC SHEETS.
8. TREE PROTECTION FENCING ON THIS PROJECT WILL BE INSTALLED AND INSPECTED BEFORE THE GRADING PERMIT IS ISSUED.
9. A PRE-CONSTRUCTION CONFERENCE MAY BE REQUIRED BEFORE GRADING PERMIT IS ISSUED. PERMANENT GROUND COVER WILL BE ESTABLISHED IN 15 WORKING DAYS OR 90 CALENDAR DAYS WHICHEVER IS SHORTER.
10. THE AREA DESIGNATED SHALL BE USED FOR TOPSOIL STOCKPILE.
11. THIS PROJECT IS IN THE NEUSE RIVER WATERSHED.
12. WETLANDS ON THIS PROJECT ARE AS SHOWN.
13. MINIMUM CORNER CLEARANCE FROM THE CURB LINE OF INTERSECTING STREETS SHALL BE AT LEAST TWENTY (20) FEET FROM THE POINT OF TANGENCY.

EROSION & SEDIMENT CONTROL NOTES:

STAGE 1 E&SC CONSTRUCTION SEQUENCE:

- 1. THE OWNER SHALL OBTAIN NCG01 PERMIT AND PAY ANY FEE THAT MAYBE ASSOCIATED WITH THIS PERMIT.
2. SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL CONSULTANT, OBTAIN LAND DISTURBING PERMIT.
3. ENSURE THAT ALL LIMITS OF DISTURBANCE, SURFACE WATERS, AND RIPARIAN BUFFERS ARE FLAGGED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. WETLANDS PRESENT ON SITE, UNLESS APPROVED WITHIN PROJECT ENVIRONMENTAL PERMITTING, ARE NOT TO BE IMPACTED DURING CONSTRUCTION ACTIVITIES.
4. TREE PROTECTION FENCES, SILT FENCES AND CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLANS. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES INCLUDING STOCKPILE LOCATIONS. STOCKPILE LOCATIONS SHOULD BE ENCLOSED BY SILT FENCE AS SHOWN ON THE PLANS. SEED ALL RESULTING BARE AREAS IMMEDIATELY AFTER CONSTRUCTION/INSTALLATION.
5. CALL FOR INSPECTION BY THE ENVIRONMENTAL CONSULTANT, PROCEED TO STAGE 2 EROSION AND SEDIMENT CONTROL ACTIVITIES ONLY ONE APPROVAL IS GRANTED.

STAGE 2 E&SC CONSTRUCTION SEQUENCE:

- 1. CONSTRUCT SCMS #1-#5 AS SEDIMENT BASINS BY OMITTING FOREBAY DIVIDERS AND CONNECTING SKIMMERS TO THE CONTROL STRUCTURES. THE FINAL PIPE(S) AND CONTROL STRUCTURE(S) FOR EACH POND ARE TO BE INSTALLED WITH THE STAGE 2 EROSION AND SEDIMENT CONTROL PLAN. SEE PROJECT CD PLAN SET FOR REQUIRED SCM DESIGN ELEVATIONS AND CALCULATIONS. SEE EROSION AND SEDIMENT CONTROL PLAN SHEETS C3.5 THROUGH C3.9 FOR MORE DETAIL. ANY INLET(S) INSTALLED SHOULD HAVE INLET PROTECTION INSTALLED IMMEDIATELY AS SEEN IN THE PROJECT CD PLAN SET. THE SEDIMENT BASINS SHALL BE FULLY CONSTRUCTED PRIOR TO THE INSTALLATION OF ANY TEMPORARY DIVERSION DITCHES. ANY PIPE INSTALLATION SHALL BE EXCAVATED, INSTALLED, AND BACKFILLED WITHIN A SINGLE WORKING DAY.
2. INSTALL ANY APPLICABLE RIP RAP DISSIPATORS SEEN WITHIN THE CD SET FOR THE STAGE 2 EROSION AND SEDIMENT CONTROL PLAN.
3. INSTALL TEMPORARY DIVERSION DITCHES #1 THROUGH #4 AS SEEN IN THE CD PLAN SET TO CONVEY SEDIMENT AND RUN OFF TO RESPECTIVE SEDIMENT BASINS. INSTALL RECOMMENDED LINER AND SEED/STABILIZE DENUDED GROUND IMMEDIATELY FOLLOWING DIVERSION DITCH INSTALLATION.
4. CONTRACTOR TO INSTALL BRIDGE MAT AS SHOWN ON EROSION AND SEDIMENT CONTROL PLANS FOR CREEK CROSSING. SEE "CONSTRUCTION SEQUENCE FOR THE 54" RCP CULVERT CROSSING" BELOW AND ON SHEET CB.5 FOR DETAILED CREEK CROSSING CONSTRUCTION SEQUENCE.
5. CALL FOR INSPECTION BY THE ENVIRONMENTAL CONSULTANT, PROCEED TO STAGE 3 EROSION AND SEDIMENT CONTROL ACTIVITIES ONLY ONE APPROVAL IS GRANTED.
6. ADDITIONAL MEASURES OR DITCH EXTENSIONS MAY BE REQUIRED BY THE ENVIRONMENTAL CONSULTANT TO ROUTE RUNOFF TO SEDIMENT BASINS BASED ON FIELD CONDITIONS. THESE MEASURES SHALL BE INSTALLED UPON THE INSPECTOR'S DETERMINATION.

STAGE 3 E&SC CONSTRUCTION SEQUENCE:

- 1. GENERAL SITE GRADING MAY BEGIN.
2. INSTALL STORM DRAINAGE PIPE SYSTEMS AS SEEN IN THE CD SET. INSTALLATION SHOULD BE DONE IN THE MANAGEABLE SERIES. ANY SERIES OF PIPE AND STRUCTURE INSTALLATION(S) SHALL BE DONE SO THAT TRENCHING/EXCAVATION THAT IS PERFORMED THAT DAY IS ABLE TO HAVE BEDDING PREPARED, PIPE INSTALLED AND BACKFILLED WITHIN THE SAME WORKING DAY. DENUDED AREAS SHOULD BE STABILIZED IMMEDIATELY.
3. AS EACH CATCH BASIN OR YARD INLET IS INSTALLED, IT SHALL HAVE INLET PROTECTION INSTALLED. THIS IS TO REMAIN IN PLACE AND BE MAINTAINED PERIODICALLY UNTIL FINAL SITE INSPECTION IS APPROVED.
4. INSTALL ANY APPLICABLE RIP RAP DISSIPATORS SEEN WITHIN THE CD SET FOR THE STAGE 3 EROSION AND SEDIMENT CONTROL PLAN.
5. CLEAN SEDIMENT BASINS WHEN ONE-HALF FULL.
6. SEED AND MULCH DENUDED AREA INCLUDING ANY CUT/FILL SLOPES WITHIN FOURTEEN (14) DAYS AFTER FINISHED GRADES ARE ESTABLISHED.
7. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND IS ESTABLISHED.
8. UTILITIES (WATER, ELECTRIC, GAS, CABLE TV, TELEPHONE, ETC.) WILL BE INSTALLED DURING THIS PHASE.
9. WHEN ALL CONTRIBUTING AREAS ARE STABILIZED, OBTAIN APPROVAL FROM THE ENVIRONMENTAL CONSULTANT TO CONVERT THE SEDIMENT BASINS (SB) TO PERMANENT STORMWATER CONTROL MEASURES (SCM). SEE RECOMMENDED INSTRUCTIONS TO CONVERT SEDIMENT BASINS TO PERMANENT STORMWATER CONTROL MEASURES ON THIS SHEET OF THE PROJECT CONSTRUCTION DRAWINGS.
10. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL ENVIRONMENTAL CONSULTANT FOR AN INSPECTION.
11. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCES, ETC.. AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS SHOULD BE INSTALLED.
12. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT. OBTAIN CERTIFICATE OF COMPLETION.

SCM CONVERSION SEQUENCE:

- 1. WHEN ALL CONTRIBUTORY AREAS TO THE STORMWATER CONTROL MEASURE (SCM) HAVE BEEN STABILIZED CONTACT THE EROSION CONTROL OFFICER FOR PERMISSION TO CONVERT THE SEDIMENT BASIN (SB) TO A SCM.
2. REMOVE ALL SEDIMENT FROM THE BASIN AND RESTORE GRADES TO DESIGNED CONFIGURATION, IF NEEDED.
3. CONSTRUCT FOREBAY DIVIDERS AS SHOWN ON THE PLANS.
4. REMOVE TEMPORARY Baffles FROM THE BASIN.
5. MAKE ANY REPAIRS NECESSARY TO THE OUTLET STRUCTURE, OUTLET PIPE, EMERGENCY OVERFLOW, ETC. EXAMINE RIP-RAP TO SEE IF REFRESHING OR CLEANING OF ROCK IS NECESSARY.
6. INSTALL SHELF PLANTINGS AS SHOWN ON THE PLANS. CHECK THAT ALL SLOPES ARE PROPERLY STABILIZED.
7. BE SURE THAT THE TRASH RACKS ARE IN PLACE AND PROPERLY FUNCTIONING. REMOVE SKIMMER AND CLOSE OUTLET VALVE.
8. CONTACT EROSION CONTROL OFFICER FOR APPROVAL.
9. CONTACT A LICENSED SURVEYOR FOR SURVEY OF AS-BUILT CONDITIONS. NOTIFY ENGINEER-OF-RECORD FOR PREPARATION OF AS-BUILT DRAWINGS.

REQUIRED WAKE COUNTY CONSTRUCTION SEQUENCE*

- 1. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE WATERSHED MANGER. OBTAIN A LAND-DISTURBING PERMIT.
2. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
3. CALL FOR AN ONSITE INSPECTION BY THE WATERSHED MANAGER TO OBTAIN A CERTIFICATE OF COMPLIANCE.
4. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
5. INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
6. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
7. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL FOR AN INSPECTION BY THE WATERSHED MANAGER.
8. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
9. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE WATERSHED MANAGER. OBTAIN A CERTIFICATE OF COMPLETION.

STOCKPILE DESIGN CRITERIA

- A. A 25-FOOT TEMPORARY MAINTENANCE AND ACCESS EASEMENT SHALL BE SHOWN AROUND ALL PROPOSED STOCKPILES (EROSION CONTROL MEASURES SURROUNDING THE STOCKPILE SHALL BE SHOWN AT THE OUTER LIMIT OF THIS EASEMENT).
B. STOCKPILE FOOTPRINTS SHALL BE SETBACK A MINIMUM OF 25' FROM ADJACENT PROPERTY LINES.
C. A NOTE SHALL BE PROVIDED ON THE APPROVED PLAN THAT STOCKPILE HEIGHT SHALL NOT EXCEED 35 FEET.
D. STOCKPILE SLOPES SHALL BE 2:1 OR FLATTER.
E. APPROVED BMPS SHALL BE SHOWN ON A PLAN TO CONTROL ANY POTENTIAL SEDIMENT LOSS FROM A STOCKPILE.
F. STOCKPILING MATERIALS ADJACENT TO A DITCH, DRAINAGEWAY, WATERCOURSE, WETLAND, STREAM BUFFER, OR OTHER BODY OF WATER SHALL BE AVOIDED UNLESS AN ALTERNATIVE LOCATION IS DEMONSTRATED TO BE UNAVAILABLE.
G. ANY CONCENTRATED FLOW LIKELY TO AFFECT THE STOCKPILE SHALL BE DIVERTED TO AN APPROVED BMP.
H. OFF-SITE SPOIL OR BORROW AREAS MUST BE IN COMPLIANCE WITH WAKE COUNTY UDO AND STATE REGULATIONS. ALL SPOIL AREAS OVER AN ACRE ARE REQUIRED TO HAVE AN APPROVED SEDIMENT CONTROL PLAN. DEVELOPER/CONTRACTOR SHALL NOTIFY WAKE COUNTY OF ANY OFFSITE DISPOSAL OF SOIL, PRIOR TO DISPOSAL. FILL OF FEMA FLOODWAYS AND NON-ENCROACHMENT AREAS ARE PROHIBITED EXCEPT AS OTHERWISE PROVIDED BY SUBSECTION 14-19-2 OF THE WAKE COUNTY UNIFIED DEVELOPMENT ORDINANCE (CERTIFICATIONS AND PERMITS REQUIRED).

MAINTENANCE REQUIREMENTS TO BE NOTED ON THE PLAN

- I. SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED AND WILL REDUCE EROSION PROBLEMS. TARPS SHOULD BE KEED IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
J. IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE (BUILDERS, ETC.), THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY WAKE COUNTY OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
K. THE APPROVED PLAN SHALL PROVIDE FOR THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE.
L. ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).

REQUIRED WAKE COUNTY BASIN REMOVAL SEQUENCE

- 1. SCHEDULE A SITE MEETING WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE IF A BASIN CAN BE REMOVED. INSTALL SILT FENCING OR OTHER TEMPORARY EROSION CONTROL MEASURES AS NEEDED PRIOR TO REMOVAL OF THE BASIN.
2. REMOVE BASIN(S) AND ASSOCIATED TEMPORARY DIVERSION DITCHES. IF CULVERT PIPES NEED TO BE EXTENDED, PERFORM THIS OPERATION AT THIS TIME. FINE GRADE AREA IN PREPARATION FOR SEEDING.
3. PERFORM SEEDBED PREPARATION, SEED, MULCH AND ASPHALT TACK ANY RESULTING BARE AREAS IMMEDIATELY.
4. INSTALL VELOCITY DISSIPATORS AND/OR LEVEL SPREADERS AS REQUIRED ON THE EROSION CONTROL PLAN.
5. WHEN SITE IS FULLY STABILIZED, CALL ENVIRONMENTAL CONSULTANT FOR APPROVAL OF REMOVING REMAINING TEMPORARY EROSION CONTROL MEASURES AND ADVICE ON WHEN SITE CAN BE ISSUED A CERTIFICATE OF COMPLETION.

NOTE: A MEETING SHOULD ALSO BE SCHEDULED WITH THE ENVIRONMENTAL CONSULTANT TO DETERMINE WHEN A BASIN MAY BE CONVERTED FOR STORMWATER USE. SOME MUNICIPALITIES MAY ALSO REQUIRE THIS.

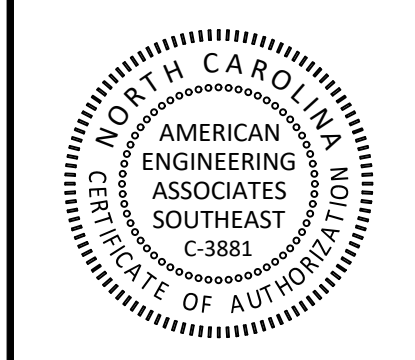


Table with columns: NO., DATE, REVISION, and drawing revision details.

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THE PRESERVE AT MOODY FARM CID-24-09 ROLESVILLE ROAD WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

GENERAL NOTES

SHEET NO.: C2.0



MAINTENANCE OF EROSION CONTROL MEASURES

SILT FENCE MAINTENANCE - INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SILT FENCE OUTLETS - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. IF DAMAGED, THEY SHALL HAVE FABRIC, POSTS OR WIRE BACKING REPLACED TO RESTORE TO ORIGINAL CONDITION.

TREE PROTECTION FENCE MAINTENANCE - CONTINUE TO CARE FOR THE SITE UNTIL THE NEW OWNER TAKES POSSESSION. TAKE THESE STEPS AFTER ALL MATERIALS AND EQUIPMENT HAVE BEEN REMOVED FROM THE SITE:

- REMOVE TREE PROTECTION ZONE FENCES.
- PRUNE ANY DAMAGED TREES. IN SPITE OF PRECAUTIONS, SOME DAMAGE TO PROTECTED TREES MAY OCCUR. IN SUCH CASES, REPAIR ANY DAMAGE TO THE CROWN, TRUNK, OR ROOT SYSTEM IMMEDIATELY.
- REPAIR ROOTS BY CUTTING OFF THE DAMAGED AREAS AND PAINTING THEM WITH TREE PAINT SPREAD PEAT MOSS OR MOIST TOPSOIL OVER EXPOSED ROOTS.
- REPAIR DAMAGE TO BARK BY TRIMMING AROUND THE DAMAGED AREA AS SHOWN IN FIGURE 6.05D, TAPER THE CUT TO PROVIDE DRAINAGE, AND PAINT WITH TREE PAINT.
- CUT OFF ALL DAMAGED TREE LIMBS ABOVE THE TREE COLLAR AT THE TRUNK OR MAIN BRANCH. USE THREE SEPARATE CUTS AS SHOWN IN FIGURE 6.05D TO AVOID PEELING BARK FROM HEALTHY AREAS OF THE TREE.
- CONTINUE MAINTENANCE CARE. PAY SPECIAL ATTENTION TO ANY STRESSED, DISEASED, OR INSECT-INFESTED TREES. REDUCE TREE STRESS CAUSED BY UNINTENDED CONSTRUCTION DAMAGE BY OPTIMIZING PLANT CARE WITH WATER, MULCH, AND FERTILIZER WHERE APPROPRIATE. CONSULT YOUR TREE EXPERT IF NEEDED.
- INFORM THE PROPERTY OWNER ABOUT THE MEASURES EMPLOYED DURING CONSTRUCTION, WHY THOSE MEASURES WERE TAKEN, AND HOW THE EFFORT CAN BE CONTINUED.

CONSTRUCTION ENTRANCE - MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

SOIL STOCKPILE AREAS/OTHER GRASSED AREAS MAINTENANCE - GRASS AREAS SHALL BE RESEDED AS NECESSARY. SOIL STOCKPILE AREAS SHALL BE SEEDED WHEN THEIR USE IS COMPLETE.

TEMPORARY SEDIMENT TRAP - INSPECT TEMPORARY SEDIMENT TRAPS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT, AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE PART OF THE GRAVEL FACING THAT IS IMPAIRED BY SEDIMENT.

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FEET BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

AFTER ALL SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY (REFERENCES: SURFACE STABILIZATION).

SEDIMENT BASINS - INSPECT TEMPORARY SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN IT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. PLACE REMOVED SEDIMENT IN AN AREA WITH SEDIMENT CONTROLS.

CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA.

CONCRETE WASHOUT - IT SHALL BE CLEANED PERIODICALLY AS NEEDED. IF THE PLASTIC LINER IS DAMAGED, IT SHALL BE REPLACED.

BAFFLES - INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL, TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT AND REPLACE IF DAMAGED DURING CLEANOUT OPERATIONS. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.

AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE, AND STABILIZE IT.

ROLLED EROSION CONTROL PRODUCTS -

1. INSPECT ROLLED EROSION CONTROL PRODUCTS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAIN FALL EVENT REPAIR IMMEDIATELY.
2. GOOD CONTACT WITH THE GROUND MUST BE MAINTAINED, AND EROSION MUST NOT OCCUR BENEATH THE RECP.
3. ANY AREAS OF THE RECP THAT ARE DAMAGED OR NOT IN CLOSE CONTACT WITH THE GROUND SHALL BE REPAIRED AND STAPLED.
4. IF EROSION OCCURS DUE TO POORLY CONTROLLED DRAINAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA PROTECTED.
5. MONITOR AND REPAIR THE RECP AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.

SKIMMERS - INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLodge THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO, REMOVE THE DEBRIS.

IF THE SKIMMER AND/ OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.

FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

GRASSED LINED CHANNEL - DURING THE ESTABLISHMENT PERIOD, CHECK GRASS-LINED CHANNELS AFTER EVERY RAINFALL AFTER GRASS IS ESTABLISHED. PERIODICALLY CHECK THE CHANNEL CHECK IT AFTER EVERY HEAVY RAINFALL EVENT. IMMEDIATELY MAKE REPAIRS. IT IS PARTICULARLY IMPORTANT TO CHECK THE CHANNEL OUTLET AND ALL ROAD CROSSINGS FOR BANK STABILITY AND EVIDENCE OF PIPING OR SCOUR HOLES. REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS TO MAINTAIN THE DESIGNED CARRYING CAPACITY. KEEP THE GRASS IN A HEALTHY, VIGOROUS CONDITION AT ALL TIMES, SINCE IT IS THE PRIMARY EROSION PROTECTION FOR THE CHANNEL (PRACTICE 6.11, PERMANENT SEEDING).

RIP-RAP CHANNEL - INSPECT CHANNELS AT REGULAR INTERVALS AS WELL AS AFTER MAJOR RAINS, AND MAKE REPAIRS PROMPTLY. GIVE SPECIAL ATTENTION TO THE OUTLET AND INLET SECTIONS AND OTHER POINTS WHERE CONCENTRATED FLOW ENTERS. CAREFULLY CHECK STABILITY AT ROAD CROSSINGS, AND LOOK FOR INDICATIONS OF PIPING, SCOUR HOLES, OR BANK FAILURES. MAKE REPAIRS IMMEDIATELY. MAINTAIN ALL VEGETATION ADJACENT TO THE CHANNEL IN A HEALTHY, VIGOROUS CONDITION TO PROTECT THE AREA FROM EROSION AND SCOUR DURING OUT-OF-BANK FLOW.

OUTLET STABILIZATION STRUCTURE - INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE

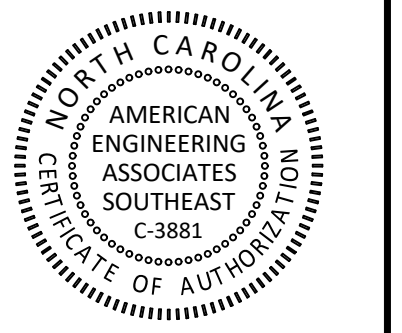
TEMPORARY SILT DITCH - SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAINFALL. IF SIGNIFICANT EROSION OF THE DITCH IS HAPPENING IT SHALL BE RE-GRADED. ANY BREACH OF THE DOWNHILL SIDE BERM SHALL BE FIXED IMMEDIATELY.

WATTLERS/COMPOST SOCK - INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER). REMOVE ACCUMULATED SEDIMENT AND ANY DEBRIS. THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN. IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED. THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED

ROCK PIPE INLET PROTECTION - INSPECT ROCK PIPE INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

CHECK THE STRUCTURE FOR DAMAGE. ANY RIPRAP DISPLACED FROM THE STONE HORSESHOE MUST BE REPLACED IMMEDIATELY.

AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND PROVIDE PERMANENT GROUND COVER (SURFACE STABILIZATION).



NO.	DATE	REVISION:
1	02/03/2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

STIPULATION FOR REUSE

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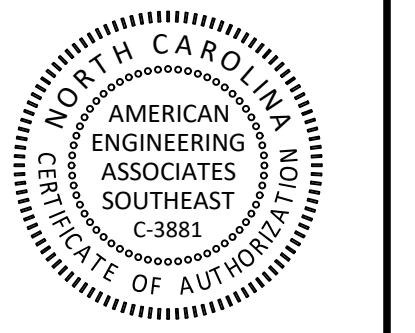
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WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

GENERAL NOTES

SHEET NO.: **C.2.1**





NO.	DATE	REVISION
1	02-23-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

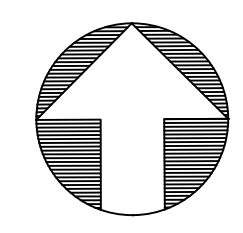
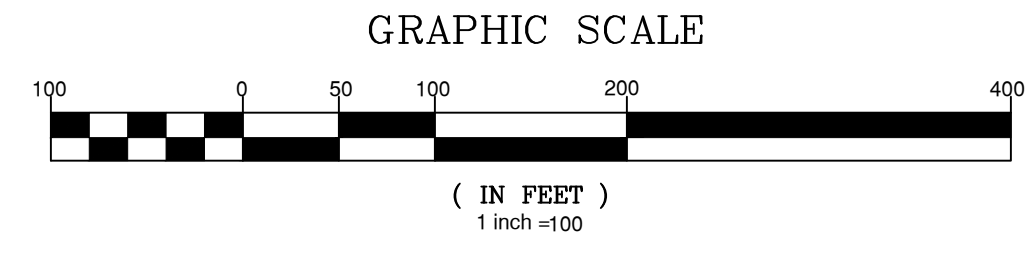
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES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

THE PRESERVE AT MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:
OVERALL ESC STAGE 1
SHEET NO.:
C3.0



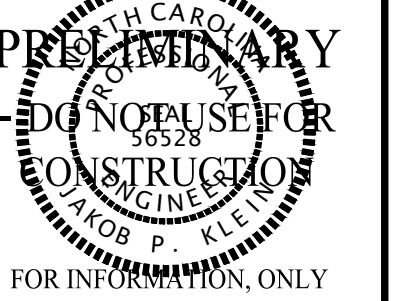
EROSION CONTROL LEGEND	
	EXISTING TOPOGRAPHY
	EXISTING BOUNDARY
	EXISTING WETLANDS AREA
	EXISTING 50' NEUSE RIPERIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED EASEMENT
	PROPOSED 25 x 50 GRAVEL CONSTRUCTION ENTRANCE
	PROPOSED RIP RAP
	BASIN WEIR
	PROPOSED SEDIMENT BASIN
	PROPOSED INLET PROTECTION
	PROPOSED PIPE INLET PROTECTION
	PROPOSED CHECK DAM
	PROPOSED SF OUTLET
	GREENWAY TRAIL HATCH
	PROPOSED BASIN MAINTENANCE PAD
	PROPOSED SILT FENCE
	PROPOSED TREE PROTECTION FENCE/LIMITS OF DISTURBANCE



2/3/2025 10:00 AM Moody Development Tract (B21-002) (DWG) Working Drawg/Construction Set/1,2,3,4 Erosion Control Stage 1.dwg



PRELIMINARY



FOR INFORMATION ONLY

NO.	DATE	REVISION:
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

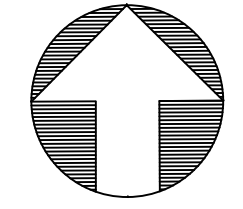
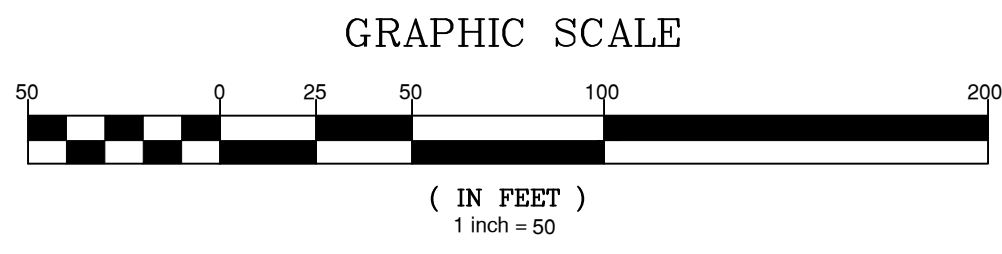
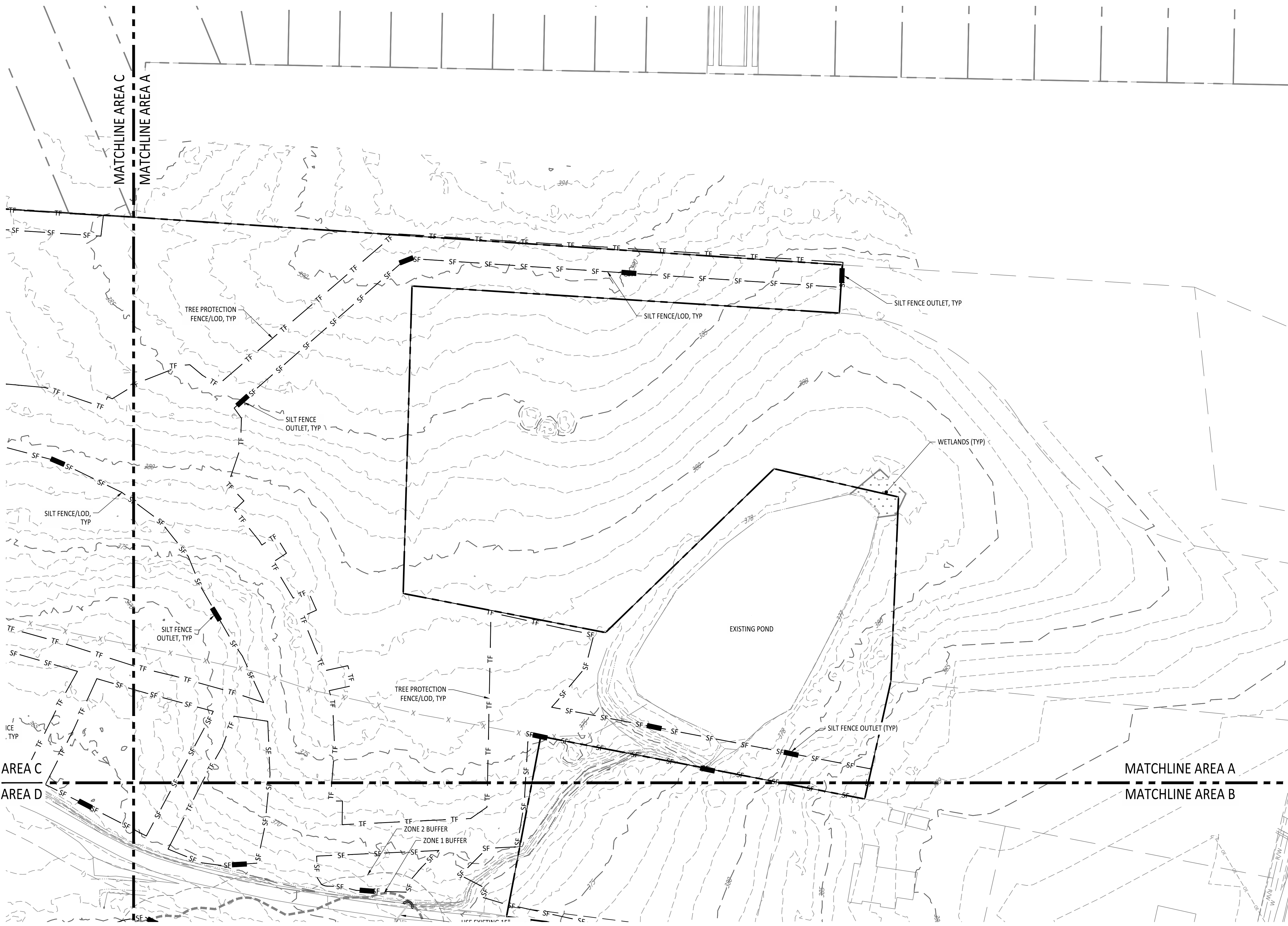
STIPULATION FOR REUSE
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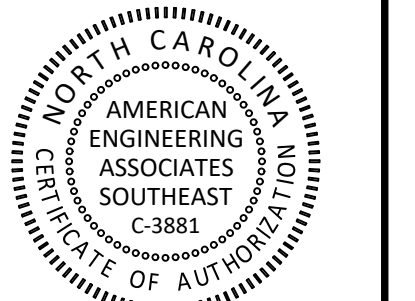
THE PRESERVE
 AT
 MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
 CHECKED BY: JK
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 DATE: 02/03/2025

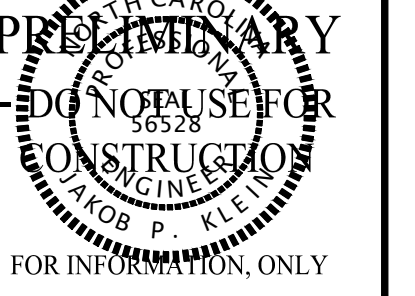
SHEET TITLE:
ESC STAGE 1 A

SHEET NO.:
C3.1

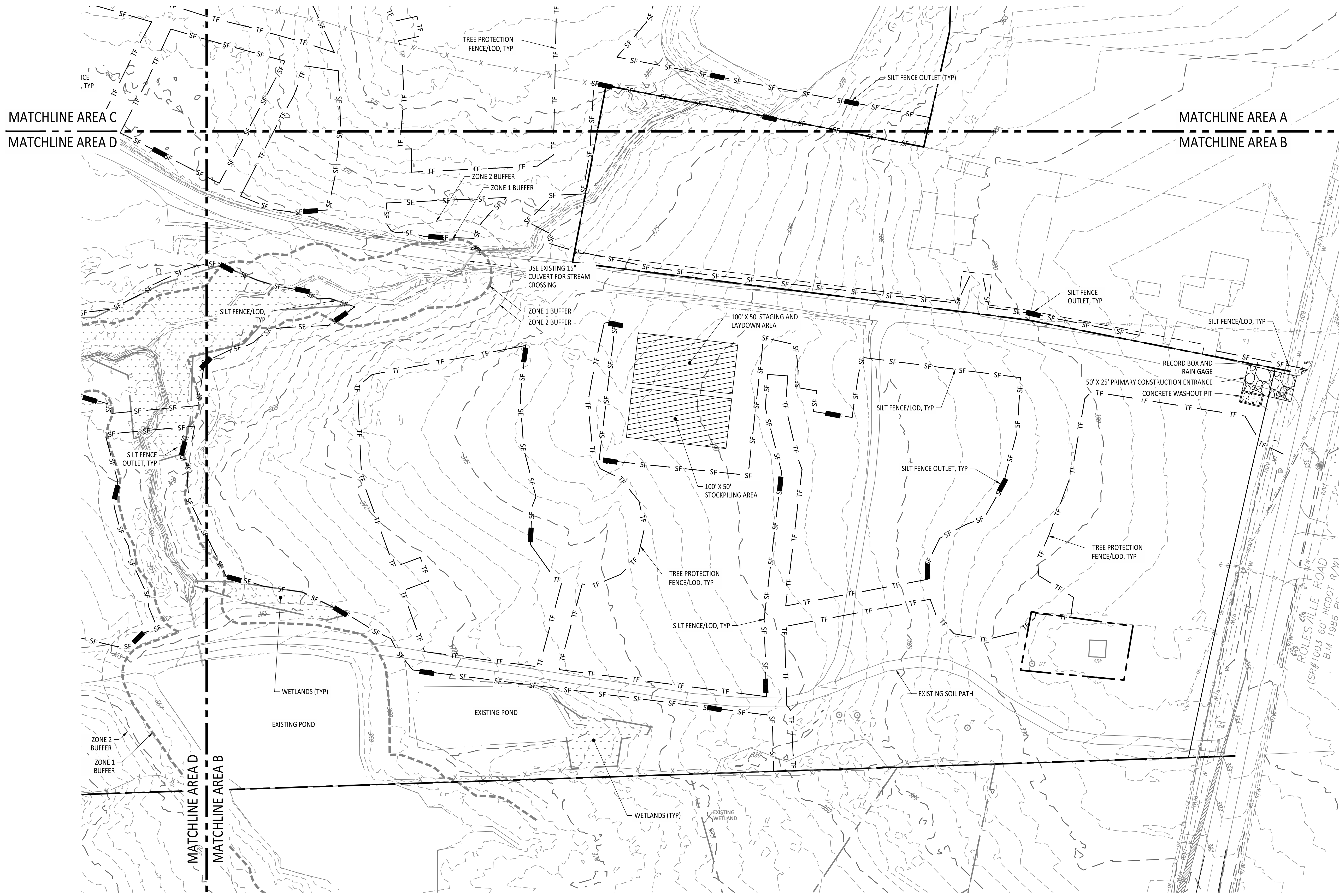




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NO.	DATE	REVISION
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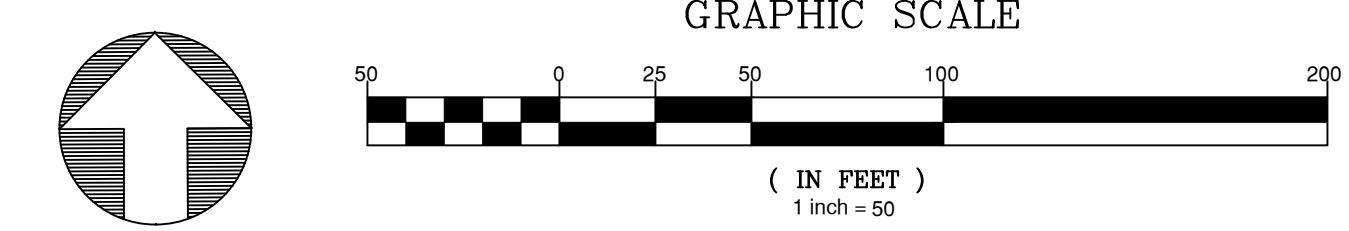
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THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER:	21-002
CHECKED BY:	JK
DRAWN BY:	RC & SM
DATE:	02/03/2025

SHEET TITLE:
ESC STAGE 1 B

SHEET NO.:
C.3.2





NO.	DATE	REVISION:
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

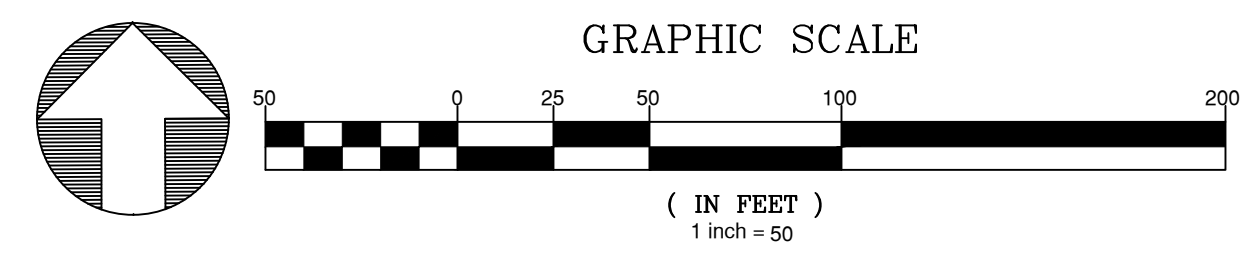
STIPULATION FOR REUSE
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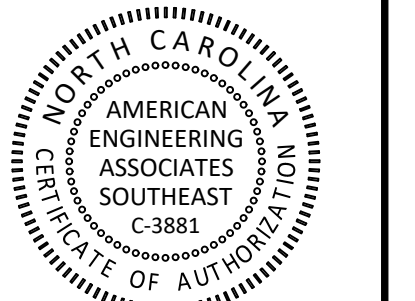
THE PRESERVE
 AT
 MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025

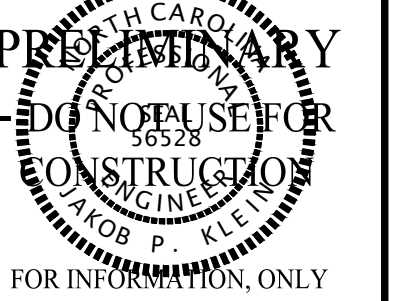
SHEET TITLE:
ESC STAGE 1 C

SHEET NO.:
C.3





PRELIMINARY



FOR INFORMATION ONLY

NO.	DATE	REVISION
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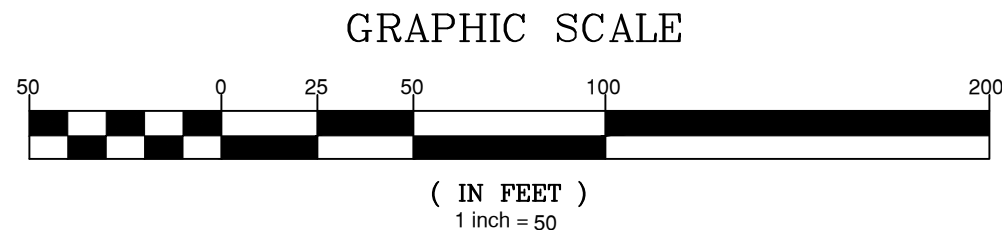
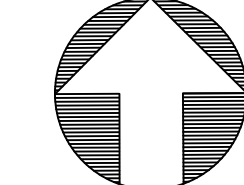
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THE PRESERVE
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CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:

ESC STAGE 1 D

SHEET NO.:
C3.4



Z:\000\21-002 Moody Development\Task 02100207\Draw\Working\Drawings\Construction\Site\ESC_1_D_3_4 Escion Control Stage 1.dwg February 3, 2025

NO. 1 DATE 02-03-2025 REVISION: CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

STIPULATION FOR REUSE
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THE PRESERVE
AT
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ROLESVILLE ROAD
WAKE COUNTY, NC

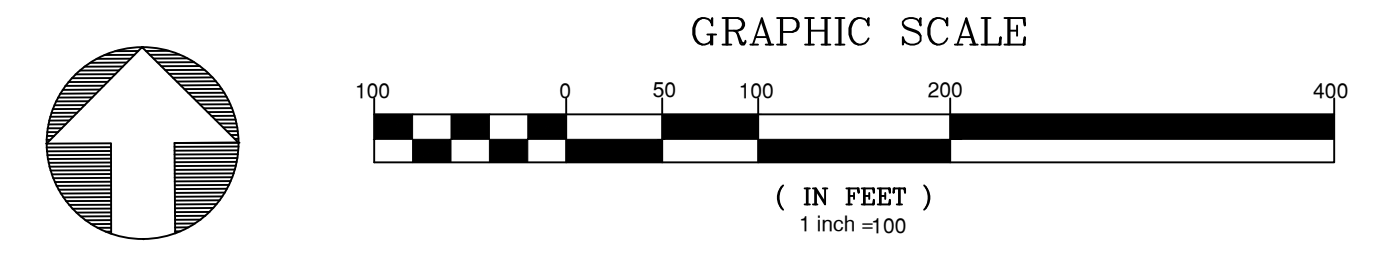
JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

SHEET TITLE:
**OVERALL
ESC
STAGE 2**

SHEET NO.:
C3.5



EROSION CONTROL LEGEND	
	EXISTING TOPOGRAPHY
	EXISTING BOUNDARY
	EXISTING WETLANDS AREA
	EXISTING 50' NEUSE RIPARIAN BUFFER
	EXISTING BUFFER ZONES
	PROPOSED LOT LINE
	PROPOSED EASEMENT
	PROPOSED 25 x 50 GRAVEL CONSTRUCTION ENTRANCE
	PROPOSED RIP RAP
	BASIN WEIR
	PROPOSED SEDIMENT BASIN
	PROPOSED INLET PROTECTION
	PROPOSED PIPE INLET PROTECTION
	PROPOSED CHECK DAM
	PROPOSED SF OUTLET
	GREENWAY TRAIL HATCH
	PROPOSED BASIN MAINTENANCE PAD
	PROPOSED SILT FENCE
	PROPOSED TREE PROTECTION FENCE/LIMITS OF DISTURBANCE
	DIVERSION DITCH DRAINAGE AREA
	PROPOSED WATTLE
	PROPOSED DIVERSION DITCH
	PROPOSED JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED YARD INLET
	PROPOSED DROP INLET
	PROPOSED STORM WATER



February 3, 2025
20250212_000_Southwest Development - Final (2) (2025) (Final) - Working Copy (Construction) - C3.5 - Erosion Control Stage 2.dwg

NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

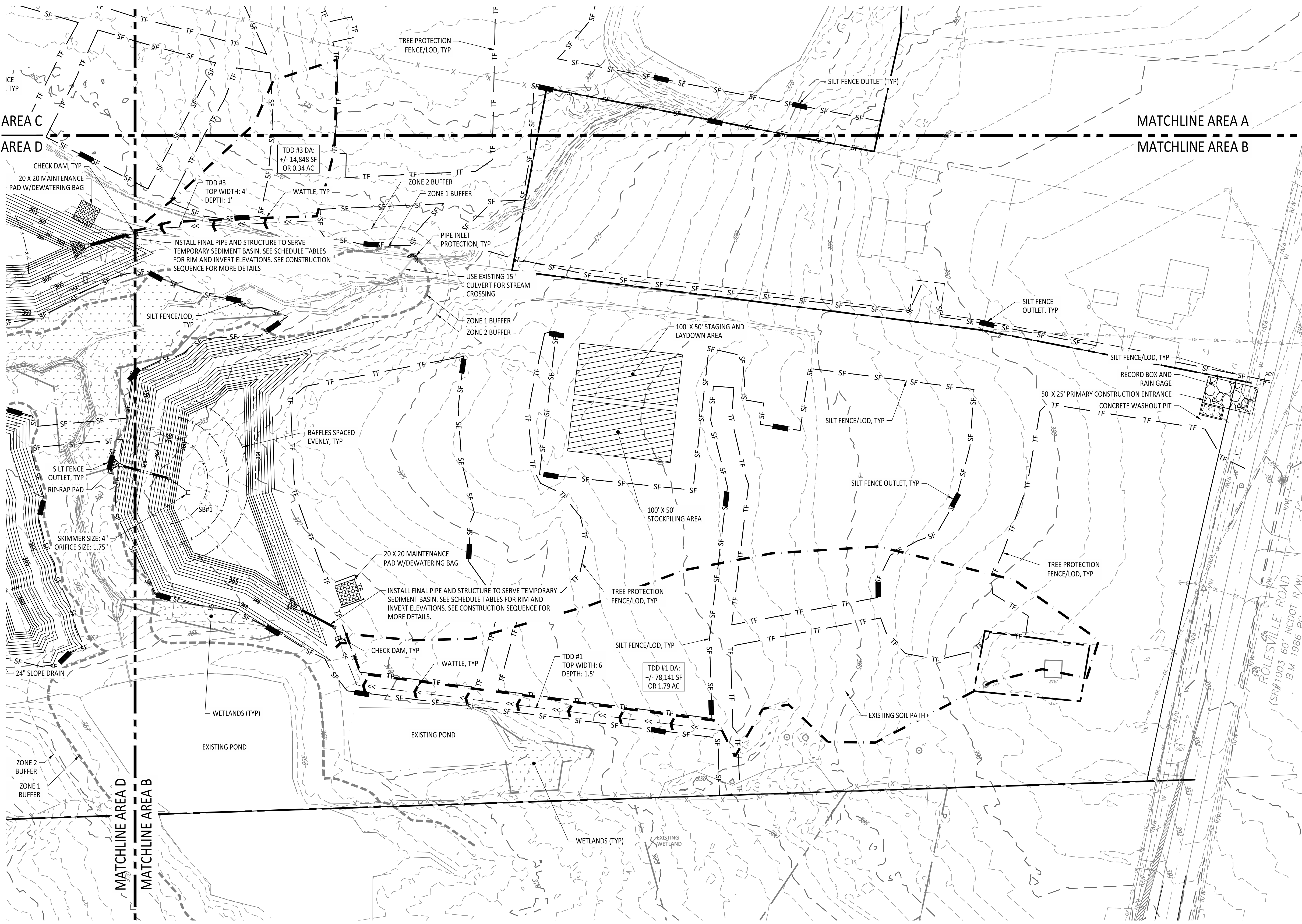
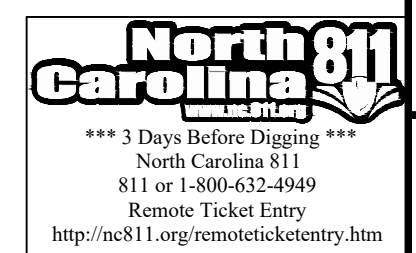
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MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

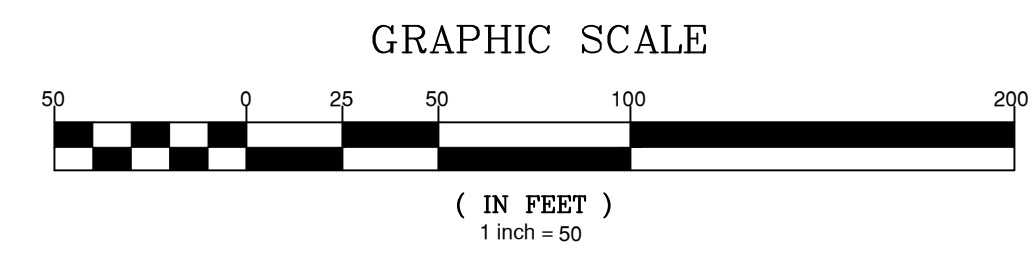
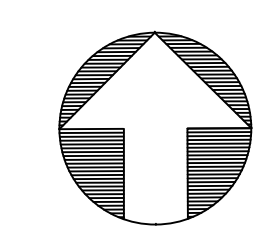
JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

SHEET TITLE:
ESC STAGE 2 B

SHEET NO.:
C.7



- GENERAL NOTES:
1. SEE SHEET C7.0 FOR TEMPORARY DIVERSION DITCH SCHEDULE.



NO.	DATE	REVISION
1	02/03/2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

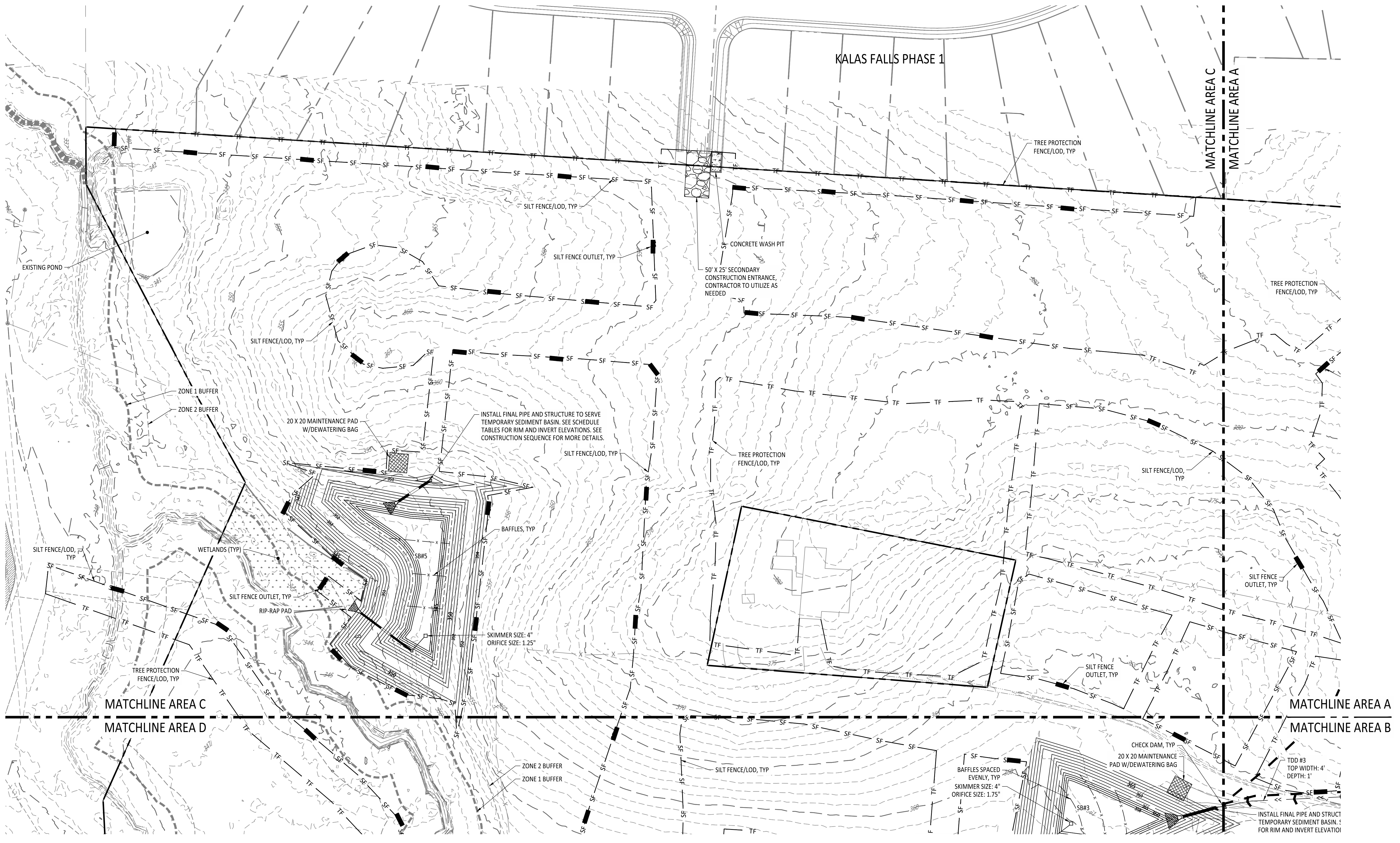
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 WAKE COUNTY, NC

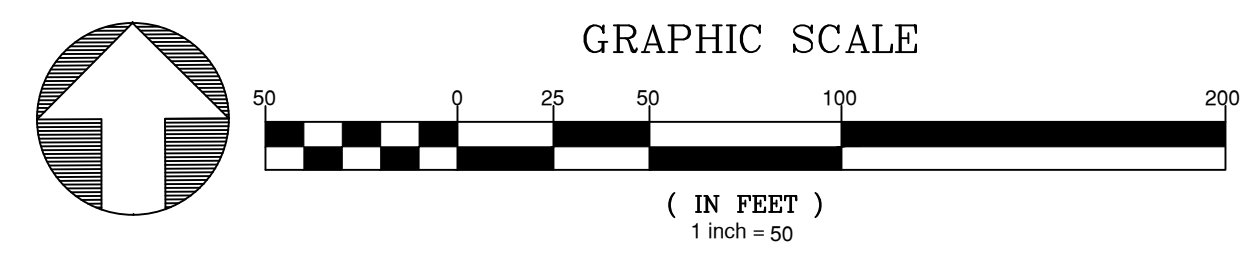
JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025

SHEET TITLE:
ESC STAGE 2 C

SHEET NO.:
C.8



- GENERAL NOTES:**
- SEE SHEET C7.0 FOR TEMPORARY DIVERSION DITCH SCHEDULE.



NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

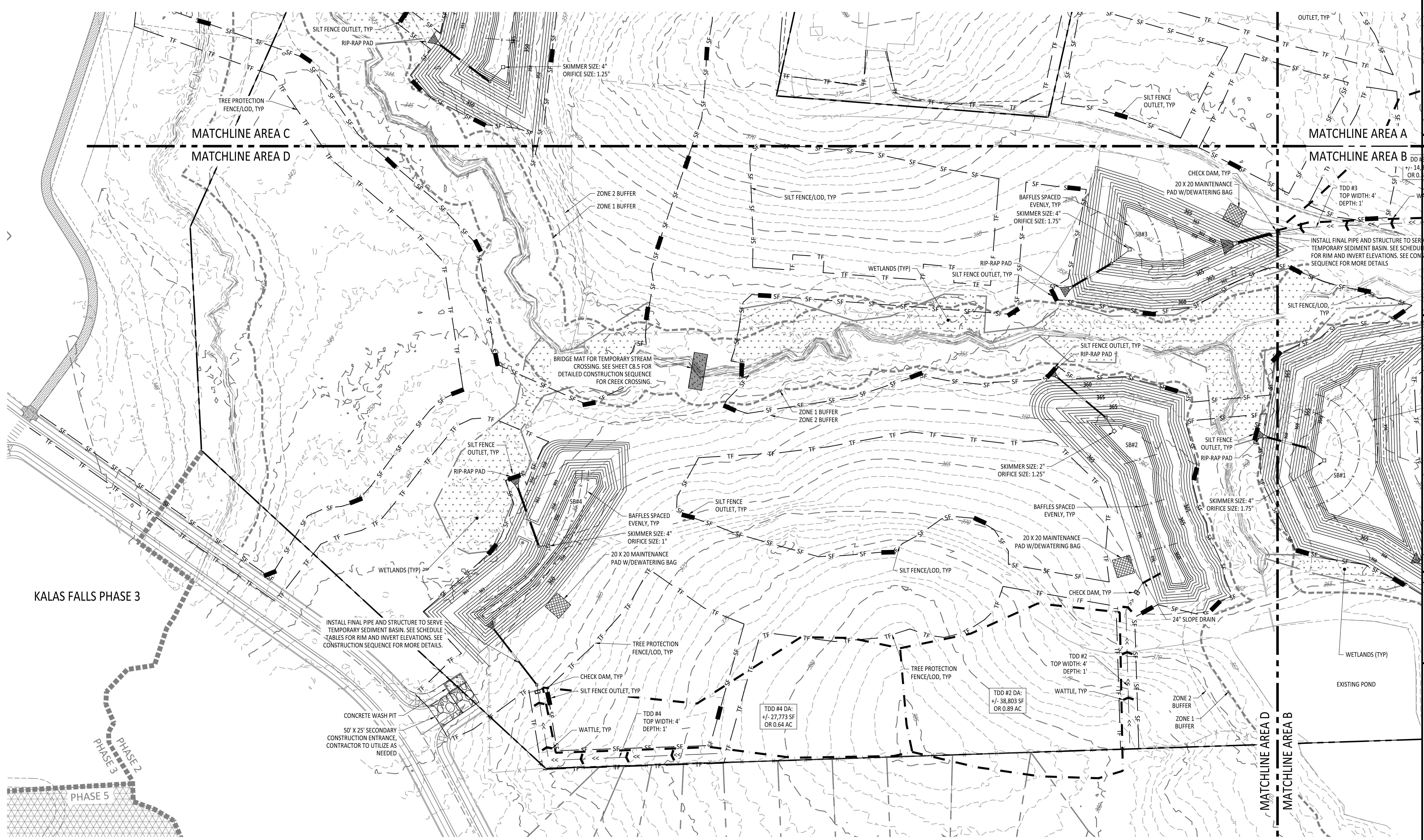
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THE PRESERVE
 AT
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 WAKE COUNTY, NC

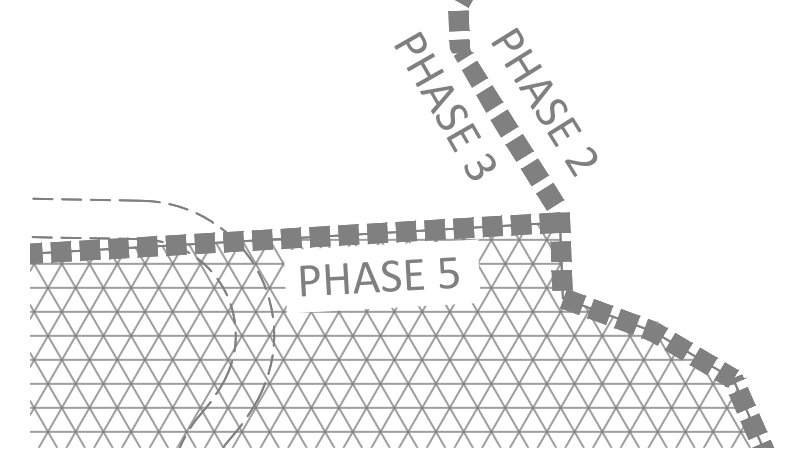
JOB NUMBER:	21-002
CHECKED BY:	JK
DRAWN BY:	RC & SM
DATE:	02/03/2025
SHEET TITLE:	

ESC STAGE 2 D

SHEET NO.:
C.9



KALAS FALLS PHASE 3



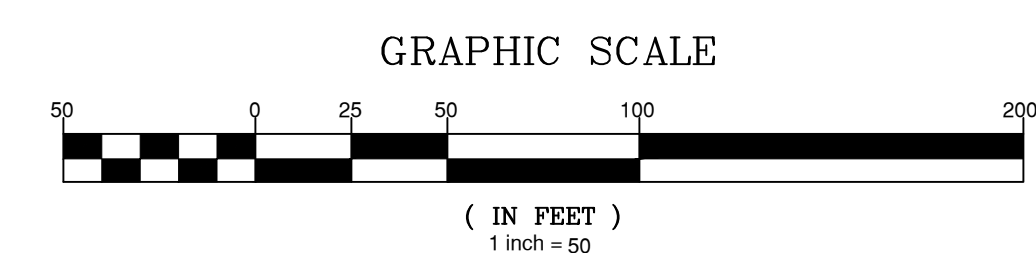
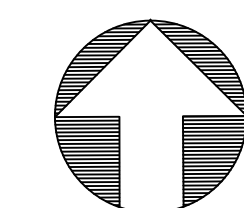
INSTALL FINAL PIPE AND STRUCTURE TO SERVE TEMPORARY SEDIMENT BASIN. SEE SCHEDULE TABLES FOR RIM AND INVERT ELEVATIONS. SEE CONSTRUCTION SEQUENCE FOR MORE DETAILS.

CONCRETE WASH PIT
 50' X 25' SECONDARY CONSTRUCTION ENTRANCE, CONTRACTOR TO UTILIZE AS NEEDED

BRIDGE MAT FOR TEMPORARY STREAM CROSSING. SEE SHEET C8.5 FOR DETAILED CONSTRUCTION SEQUENCE FOR CREEK CROSSING.

GENERAL NOTES:

- SEE SHEET C7.0 FOR TEMPORARY DIVERSION DITCH SCHEDULE.

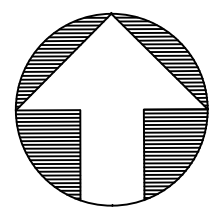
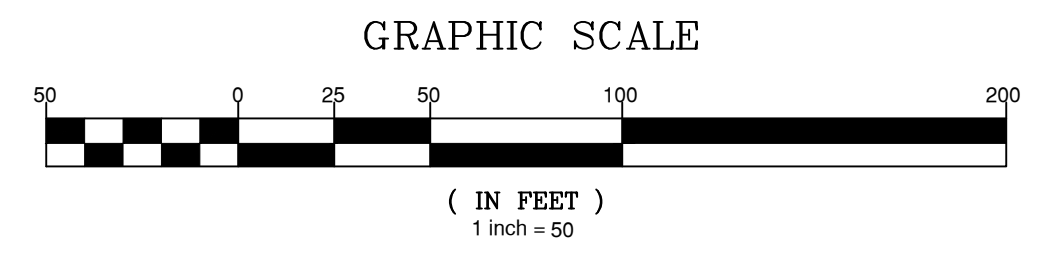


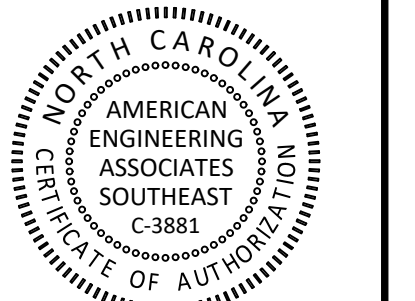
NO.	DATE	REVISION:
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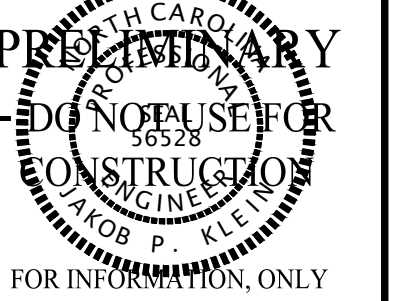
THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:
ESC STAGE 3 A
SHEET NO.:
C3.11





PRELIMINARY



FOR INFORMATION, ONLY

NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

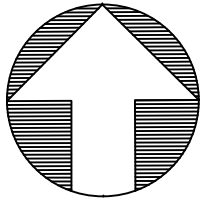
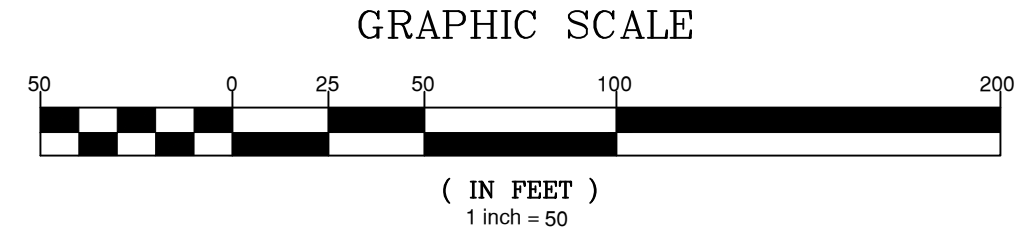
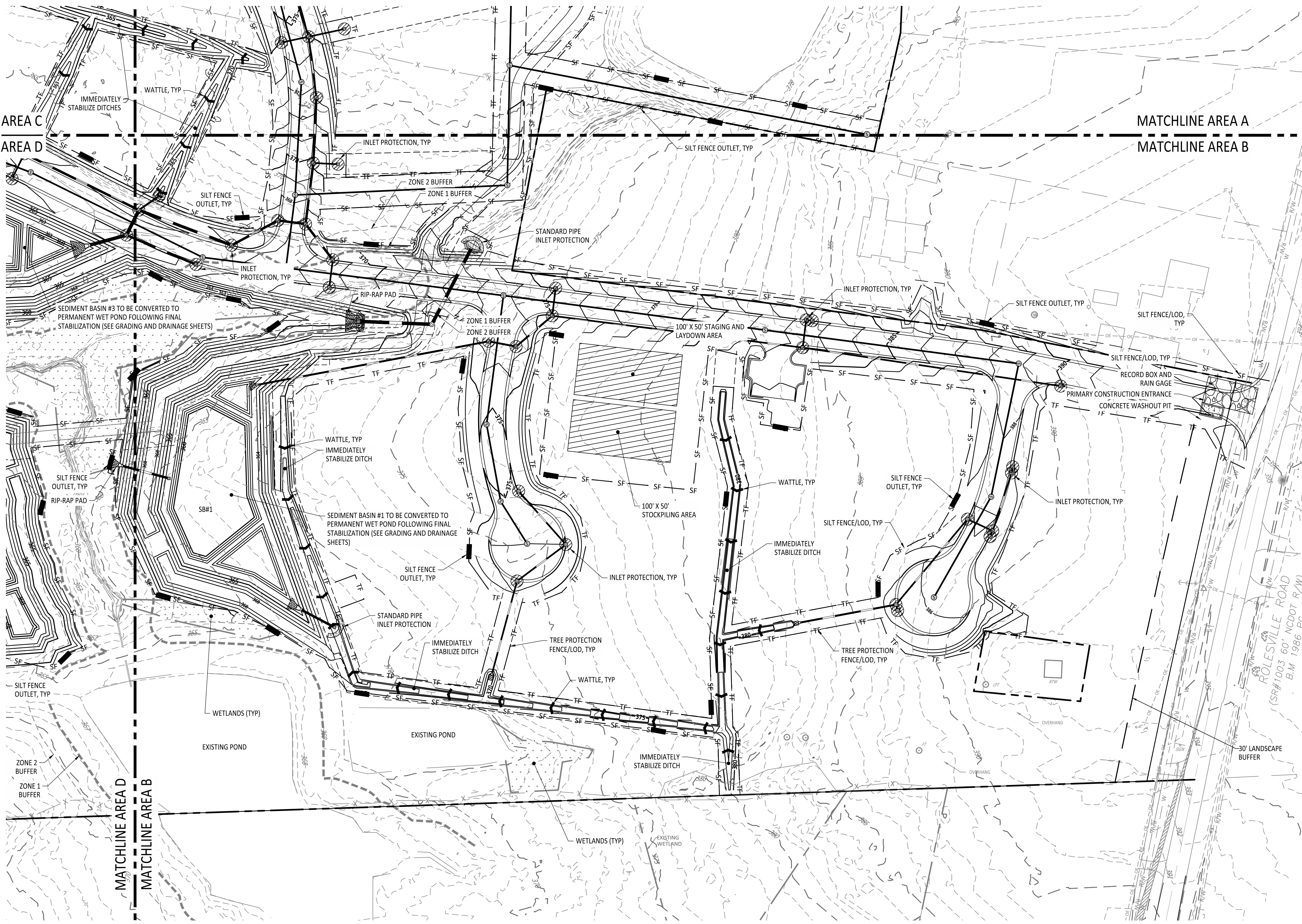
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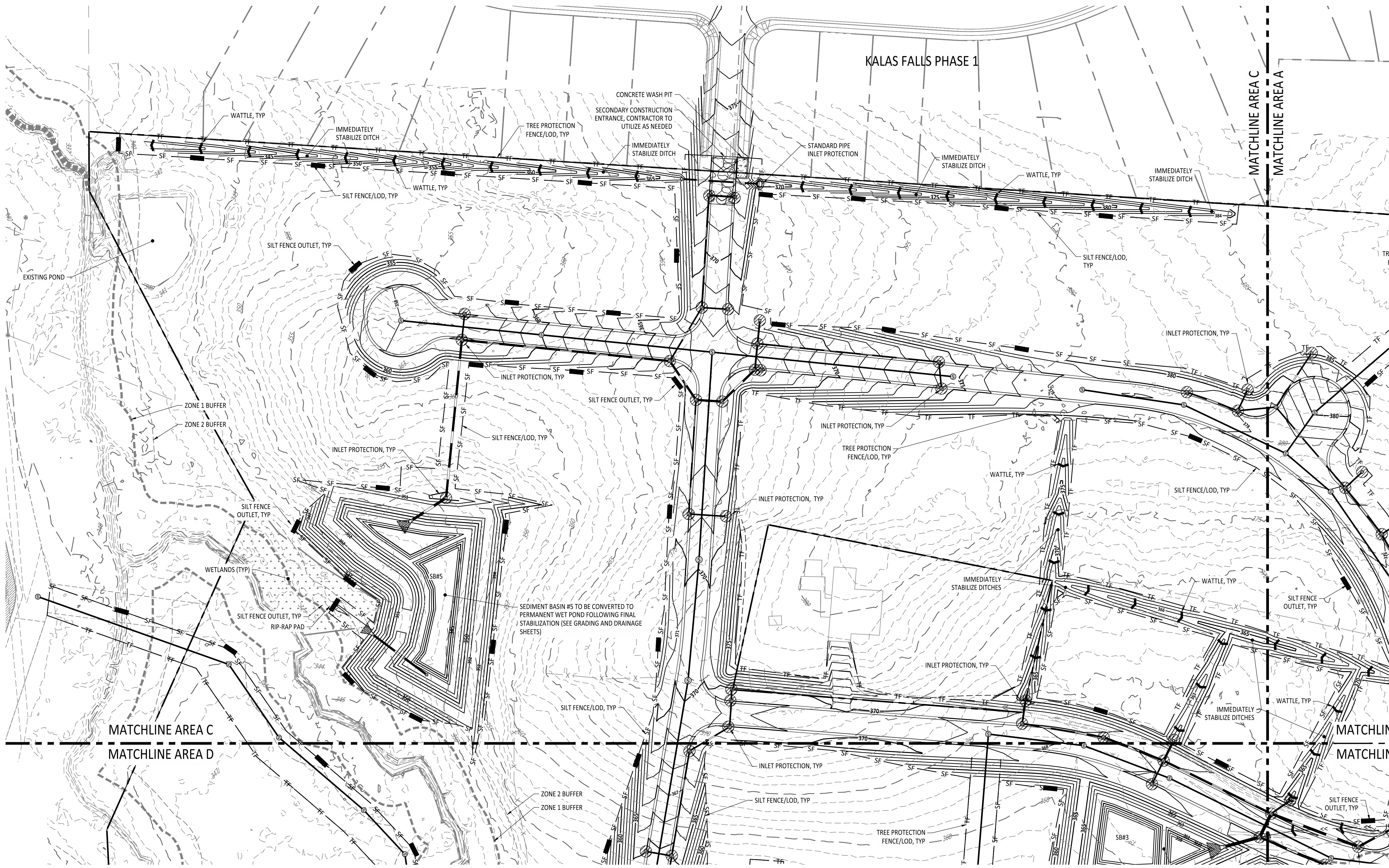
THE PRESERVE
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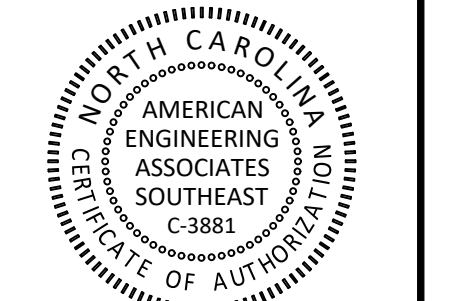
SHEET TITLE:
ESC STAGE 3 B

SHEET NO.:
C3.12





KALAS FALLS PHASE 1



PRELIMINARY

DO NOT USE FOR CONSTRUCTION
FOR INFORMATION ONLY

NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

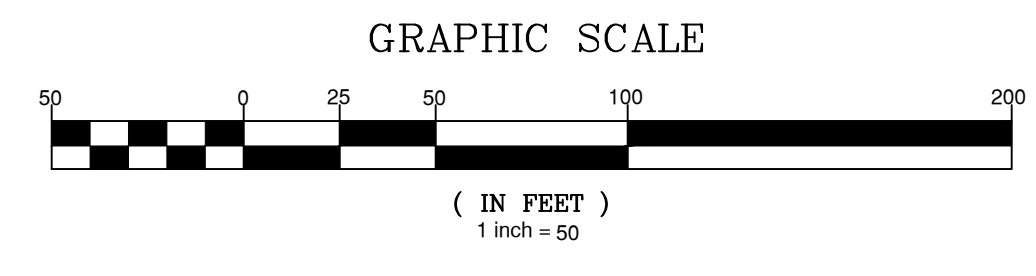
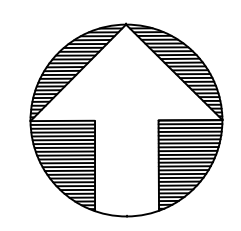
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THE PRESERVE
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WAKE COUNTY, NC

JOB NUMBER: 21-002
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DATE: 02/03/2025

SHEET TITLE:
ESC STAGE 3 C

SHEET NO.:
C3.13



NO.	DATE	REVISION
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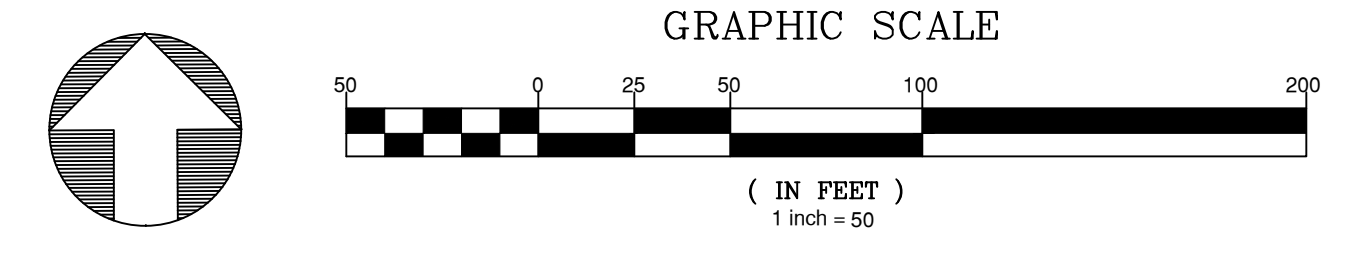
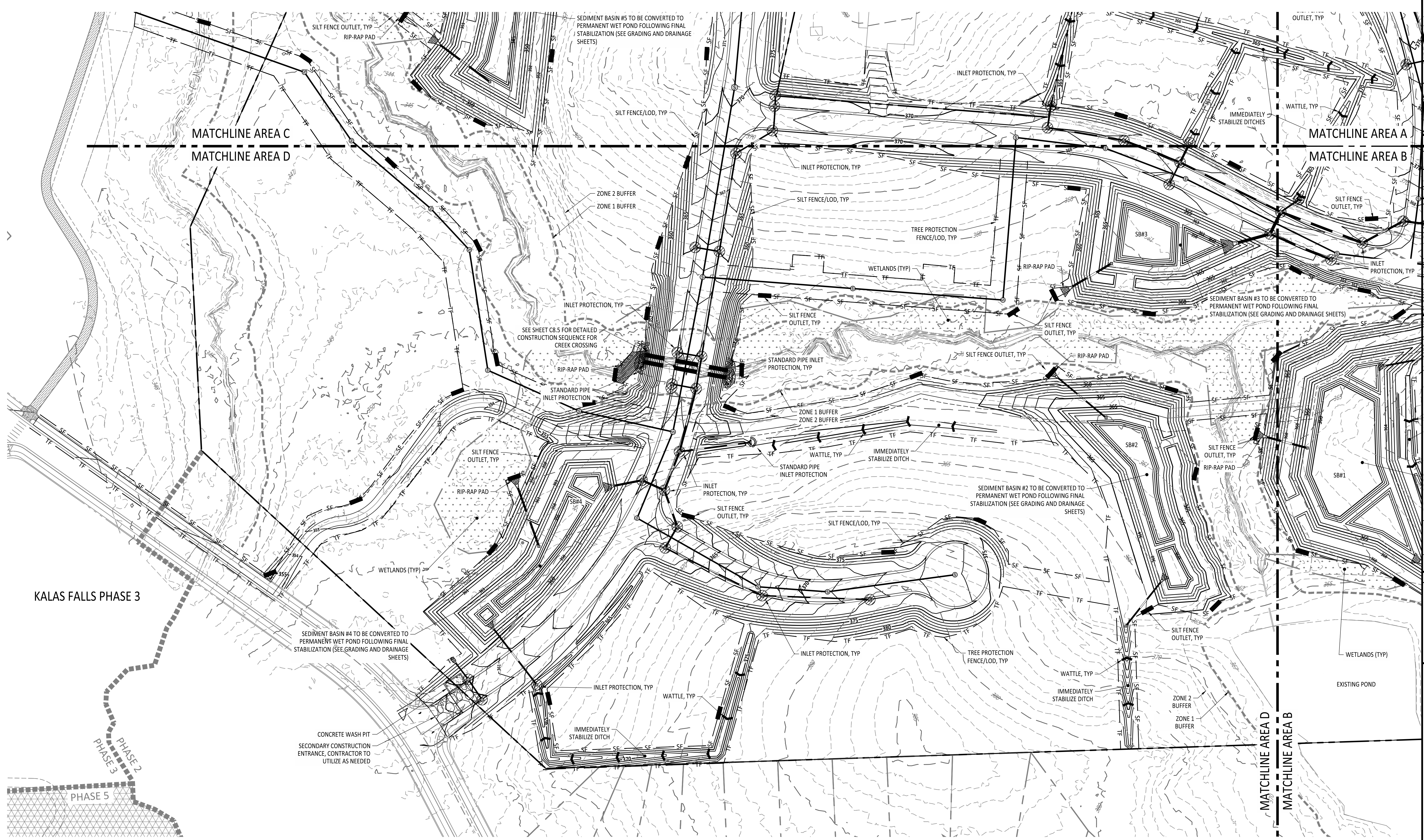
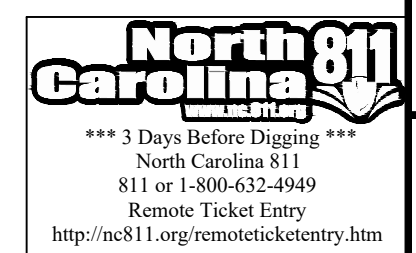
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER:	21-002
CHECKED BY:	JK
DRAWN BY:	RC & SM
DATE:	02/03/2025

SHEET TITLE:
ESC STAGE 3 D

SHEET NO.:
C3.14



Z:\Info\31-002 Moody Development\Task 0210007\Drawings\DWG\Construction\ESC\3.14 Esc Control Stage 3 D.rvt February 3, 2025



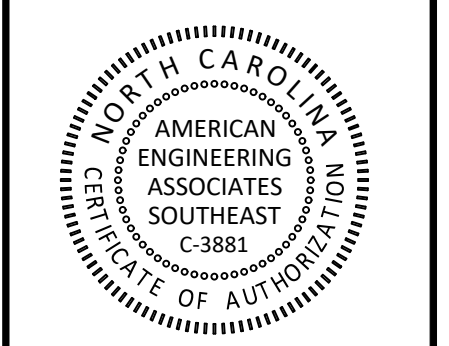
Stabilization Area	Site Area Description	Required Ground Stabilization Timeframes	
		Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
1	(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
	(b) High Quality Water (HQW) Zones	7	None
	(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
2	(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
		14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope
3	(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

NPDES DOCUMENTATION NOTES

1. THIS PAGE IS SUBMITTED TO COMPLY WITH THE NPDES GENERAL STORMWATER PERMIT NCG010000.
2. THIS PAGE CAN BE APPROVED BY THE TOWN PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.
3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
4. THE TOWN IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.

	NPDES STABILIZATION AREA 1
	NPDES STABILIZATION AREA 2
	NPDES STABILIZATION AREA 3



NO.	DATE	REVISION
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THE PRESERVE
 AT
 MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025

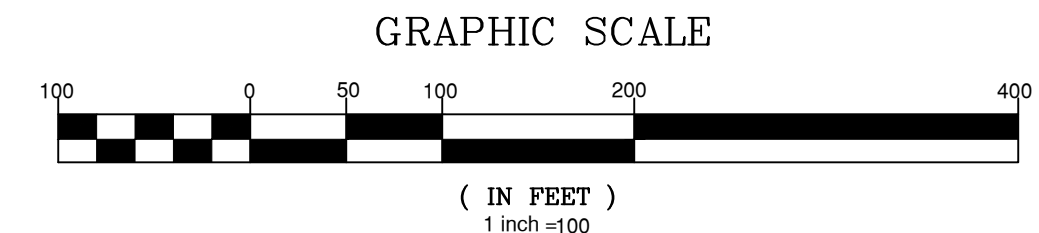
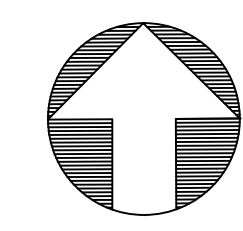
SHEET TITLE:
NPDES PLAN

SHEET NO.:
C3.15



SEEDBED PREPARATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
 2. RIP THE ENTIRE AREA TO 6-INCH DEPTH.
 3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
 4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW *).
 5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
 6. SEED ON FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
 8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISHED FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
 9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
- *APPLY: AGRICULTURAL LIMESTONE - 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
 FERTILIZER - 1,000 LB/ACRE - 10-10-10
 SUPERPHOSPHATE - 500 LB/ACRE - 20% ANALYSIS
 MULCH - 2 TONS/ACRE - SMALL GRAIN STRAW
 ANCHOR - ASPHALT EMULSION @ 300 GALS/ACRE

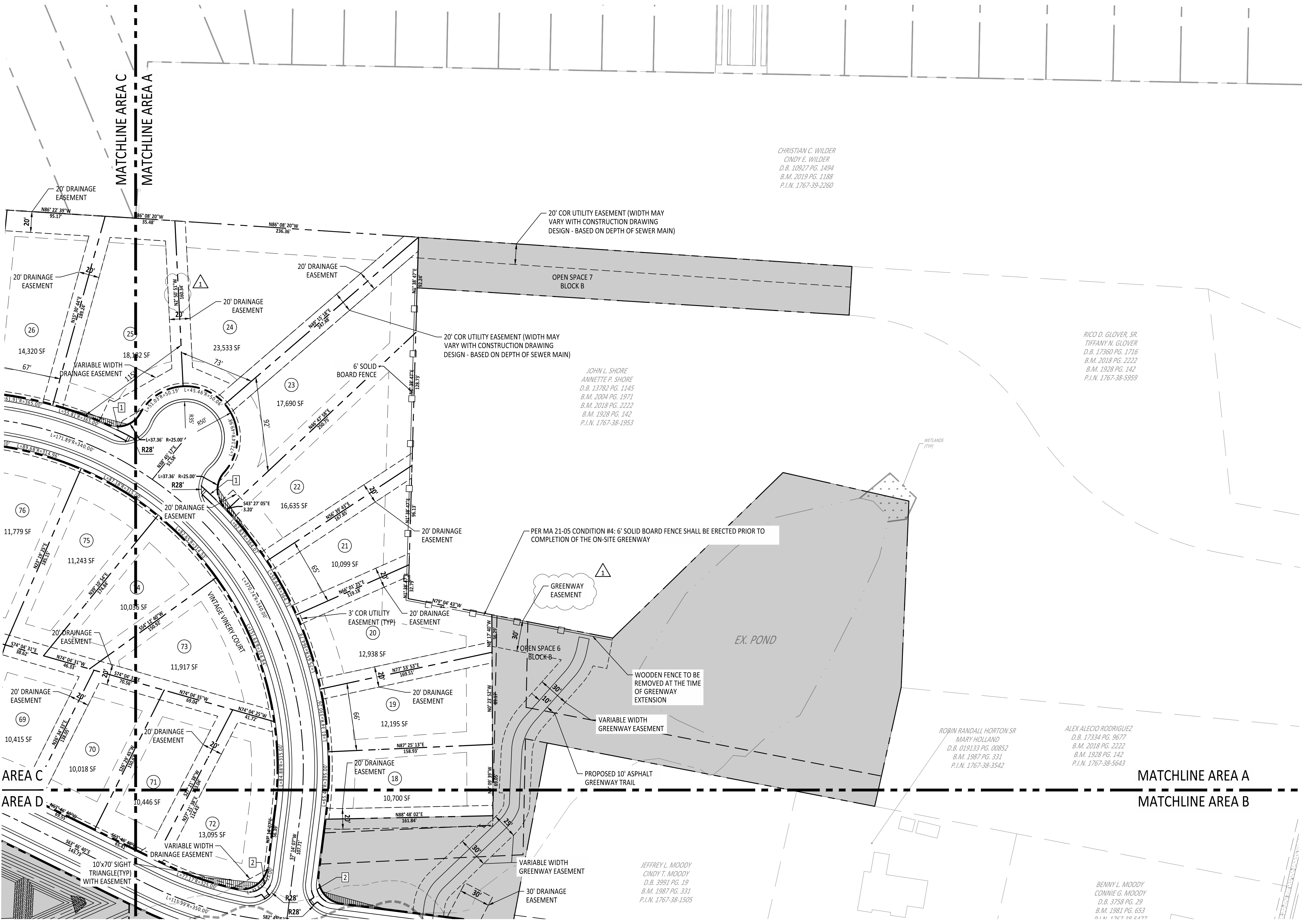


SEEDING SCHEDULE

SHOULDERS, SIDE DITCHES, SLOPES (Maximum 3:1)			SHOULDERS, SIDE DITCHES, SLOPES (3:1 and 2:1) (not mowed)		
Date	Type*	Planting Rate	Date	Type*	Planting Rate
Aug 15 - Nov 1	Tall Fescue or Hard Fescue	300 lb./acre	Mar 1 - Apr 15	Add Tall Fescue or Weeping Love Grass	120 lb./acre
Nov 1 - Mar 1	Tall Fescue and Abruzzi Rye or Annual Rye	300 lb./acre	Mar 1 - June 30	Add Weeping Love Grass	10 lb./acre
Mar 1 - Apr 15	Tall Fescue or Hard Fescue	300 lb./acre	Mar 1 - June 30	Add Hulled Common Bermuda grass	25 lb./acre
Apr 15 - June 30	Hulled common Bermuda grass, Weeping Love Grass	25 lb./acre	June 1 - Sept 1	***Tall Fescue and ***Browntop Millet ***or Sorghum-Sudan Hybrids	120 lb./acre 35 lb./acre 30 lb./acre
July 15 - Aug 15	Tall Fescue and ***Browntop Millet ***or Sorghum-Sudan Hybrids	35 lb./acre	Sept 1 - Mar 1	Tall Fescue and Add Abruzzi Rye or Annual Rye	120 lb./acre 25 lb./acre

NOTES:
 Consult Erosion Control Officer or NRCS for additional alternatives for vegetating denuded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.
 ***Temporary - Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing to keep fescue from being shaded out.
 *Bahia grass shall not be used in City maintained areas.

February 3, 2025
 2/3/2025 12:00:00 PM
 Development Team 02/03/2025 12:00:00 PM
 Drawing Date 02/03/2025 12:00:00 PM
 Drawing Title 21-002 CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1



CHRISTIAN C. WILDER
CINDY E. WILDER
D.B. 10527 PG. 1494
B.M. 2019 PG. 1188
P.I.N. 1767-39-2260

JOHN L. SHORE
ANNETTE P. SHORE
D.B. 13782 PG. 1145
B.M. 2004 PG. 1971
B.M. 2018 PG. 2222
B.M. 1928 PG. 142
P.I.N. 1767-38-1953

RICO D. GLOVER, SR.
TIFFANY N. GLOVER
D.B. 17360 PG. 1716
B.M. 2018 PG. 2222
B.M. 1928 PG. 142
P.I.N. 1767-38-5959

ROBIN RANDALL HORTON SR
MARY HOLLAND
D.B. 015233 PG. 00852
B.M. 1987 PG. 331
P.I.N. 1767-38-3542

ALEX ALEJO RODRIGUEZ
D.B. 17394 PG. 9677
B.M. 2018 PG. 2222
B.M. 1928 PG. 142
P.I.N. 1767-38-5643

JEFFREY L. MOODY
CINDY E. MOODY
D.B. 3991 PG. 19
B.M. 1987 PG. 331
P.I.N. 1767-38-1505

BENNY L. MOODY
CONNIE G. MOODY
D.B. 3728 PG. 29
B.M. 1981 PG. 653
P.I.N. 1767-38-6477

LOT INFORMATION	
	SETBACK LINES
MIN LOT WIDTH	65'
FRONT SETBACK	25'
FRONT SETBACK	25'
SIDE SETBACK	10'
CORNER SETBACK	25'

* SEE LOT 1 FOR TYPICAL SETBACK DIMENSION

NOTE:
TA 20-01 WAS ADAPTED 9-15-20, PERMITTING THE "DWELLING - SINGLE FAMILY DETACHED" USE IN THE R-3 DISTRICT, AND ESTABLISHED: MINIMUM LOT AREA OF 10,000 SF; MINIMUM LOT WIDTH 65'; FRONT YARD SETBACK OF 25'; SIDE YARD SETBACK OF 10'; CORNER YARD SETBACK OF 15'; REAR YARD SETBACK OF 25'

- KEYNOTE LEGEND:
- 1 CURB RAMP TYPE 1 MODIFIED
 - 2 CURB RAMP TYPE 3 MODIFIED INSTALLATION IN A RADIUS
 - 3 CURB RAMP TYPE 5A
 - 4 CURB RAMP TYPE 3

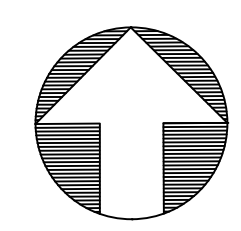
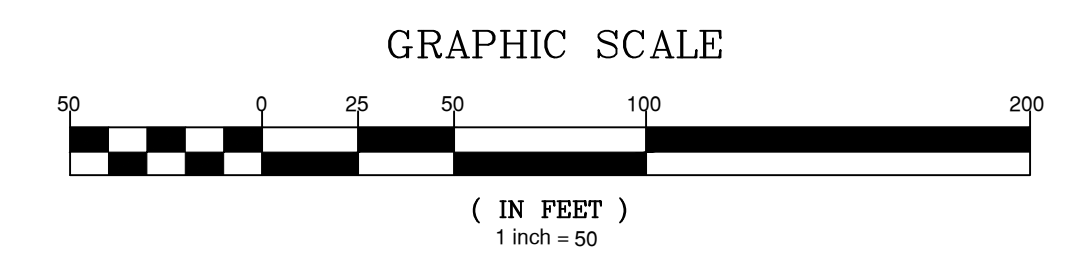
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[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE

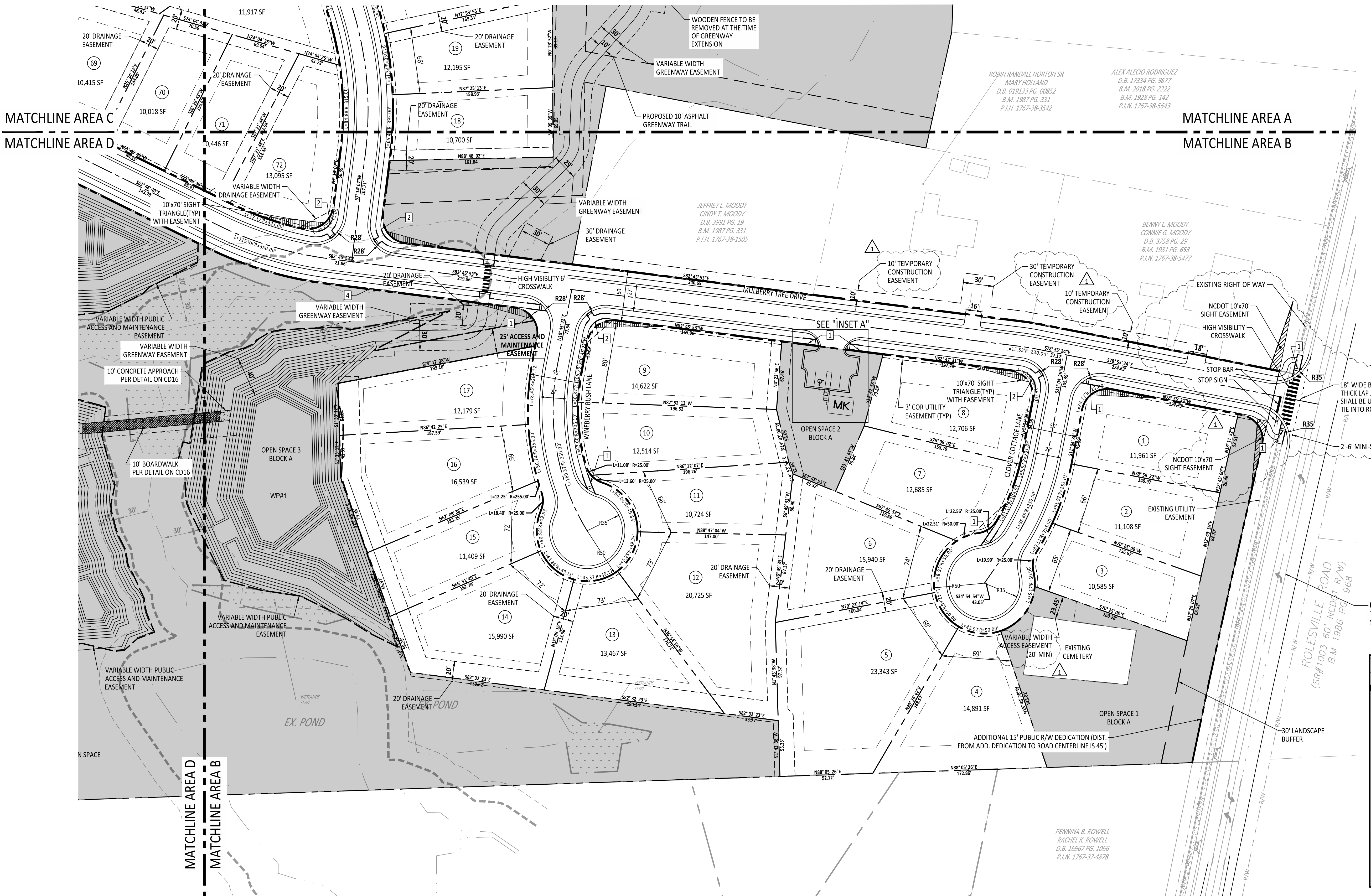
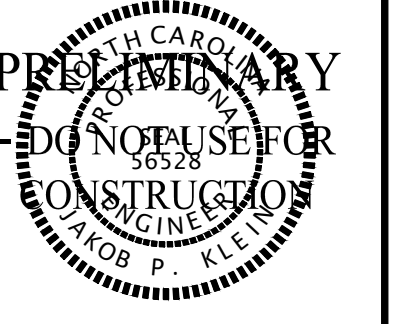
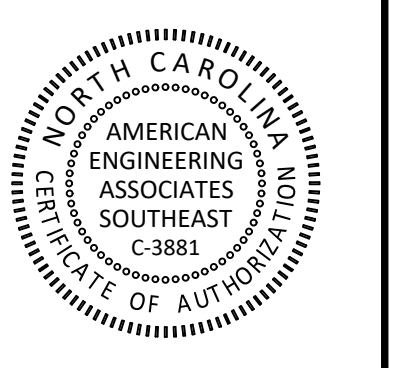
NO.	DATE	REVISION
1	02/03/2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

STIPULATION FOR REUSE
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THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:
SITE PLAN A
SHEET NO.:
C4.1

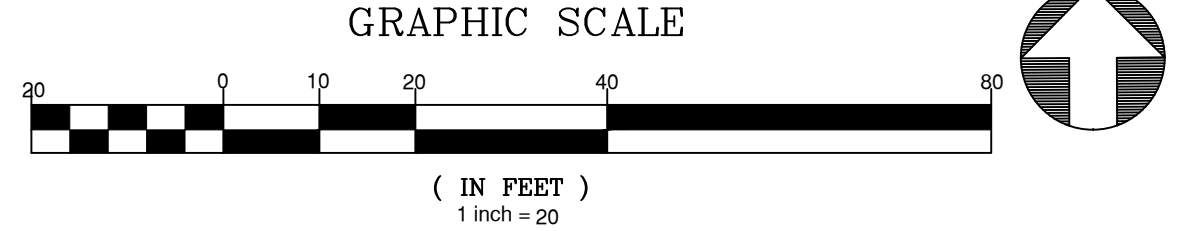
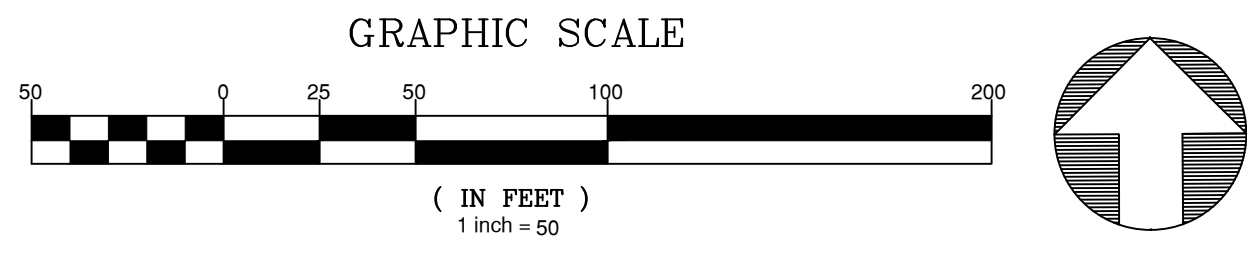
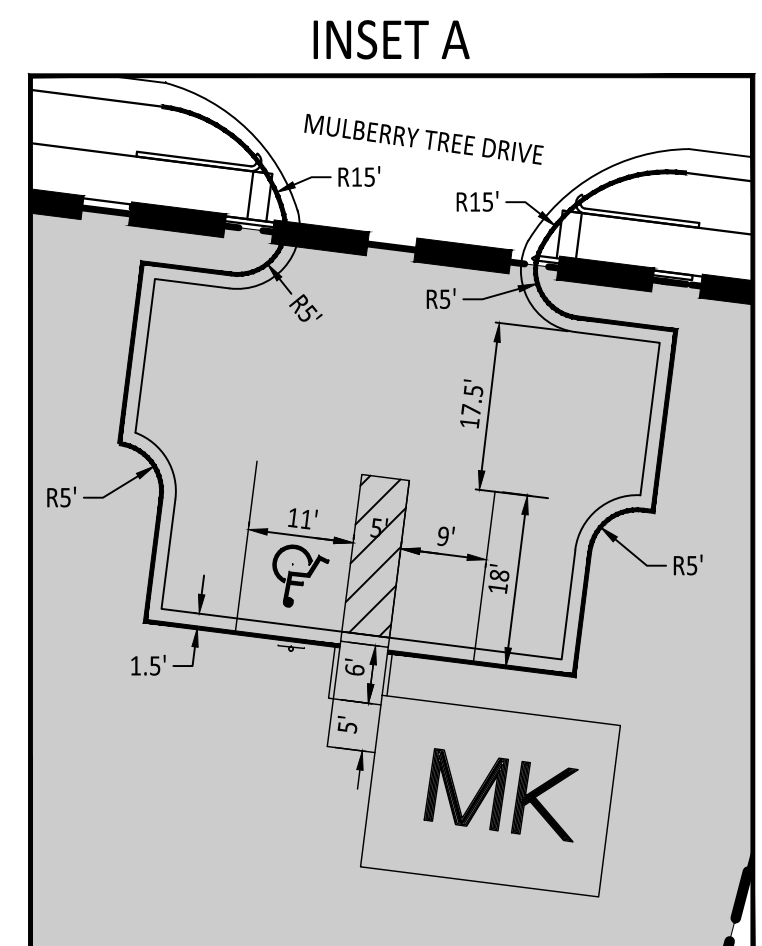




NOTE: OFFSITE IMPROVEMENTS SHOWN ARE CURRENTLY UNDER CONSTRUCTION AND NCDOT APPROVED ON JUNE 5th AS A PART OF E051-092-24-00303. THE PRESERVE AT MOODY FARM NCDOT IMPROVEMENTS ONLY INCLUDE AN UPDATED DRIVEWAY (IN SAME LOCATION AS EXISTING) AND A WATER CONNECTION.

- KEYNOTE LEGEND:
- 1 CURB RAMP TYPE 1 MODIFIED
 - 2 CURB RAMP TYPE 3 MODIFIED INSTALLATION IN A RADIUS
 - 3 CURB RAMP TYPE 5A
 - 4 CURB RAMP TYPE 3

SITE LEGEND	
[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE



NO.	DATE	REVISION
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THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

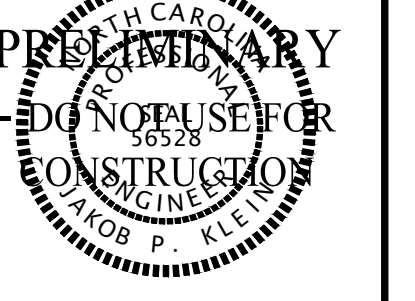
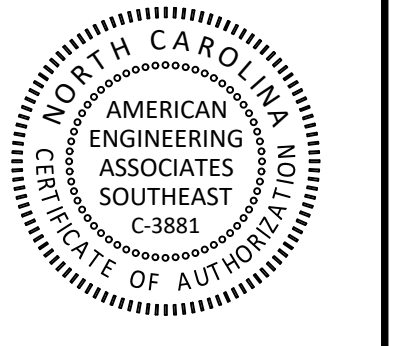
JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

SHEET TITLE:
SITE PLAN B

SHEET NO.:
C4.2



February 3, 2025
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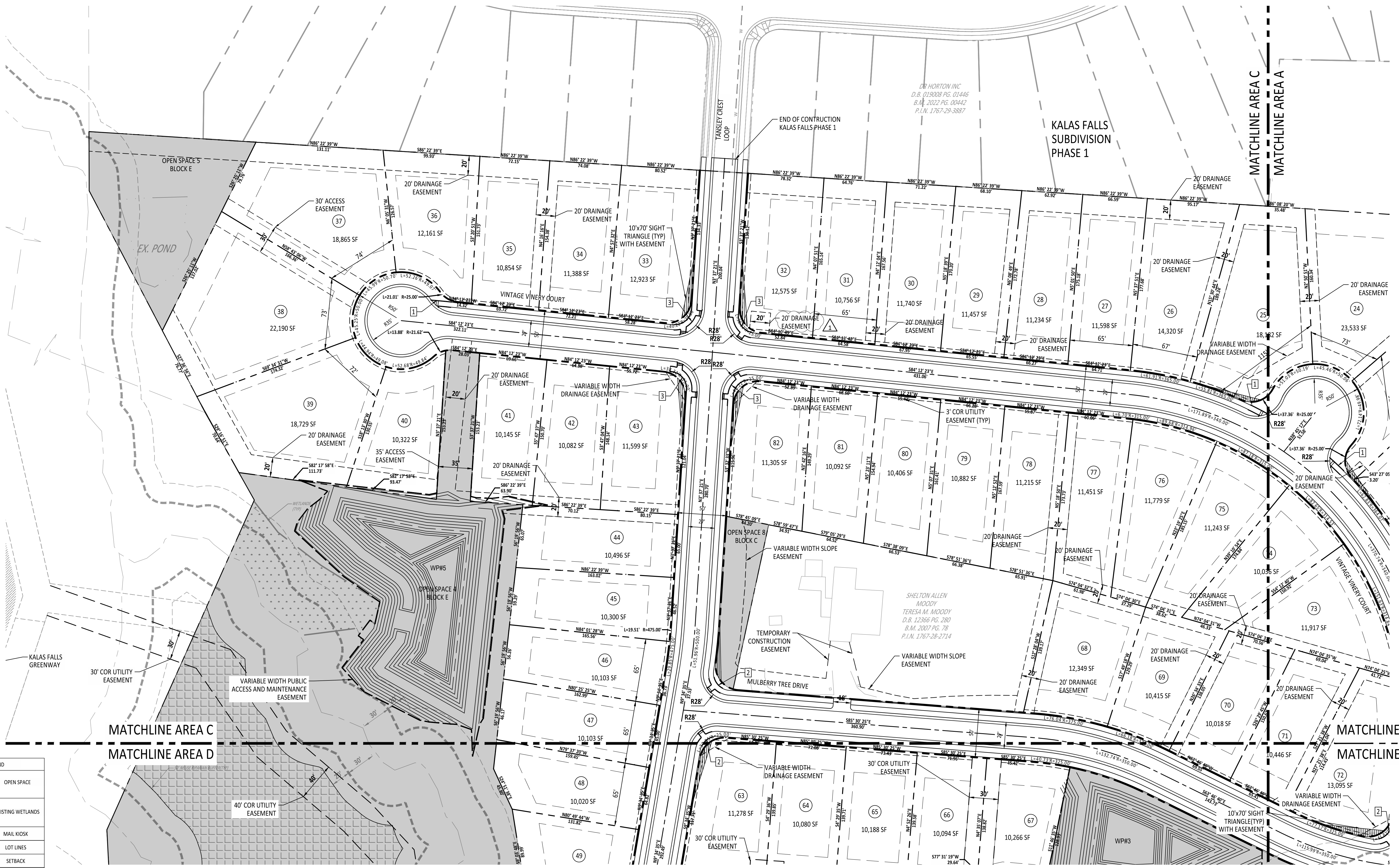
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THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:

SITE PLAN C
SHEET NO.:
C4.3

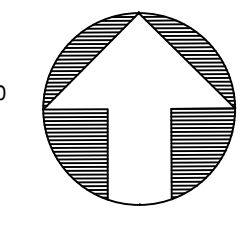
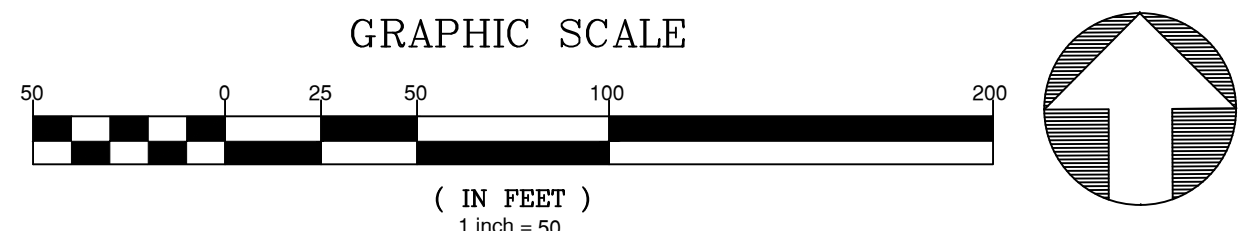


SITE LEGEND

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[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
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[Symbol]	TOP OF CREEK
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[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE

KEYNOTE LEGEND:

[Symbol]	CURB RAMP TYPE 1 MODIFIED
[Symbol]	CURB RAMP TYPE 3 MODIFIED INSTALLATION IN A RADIUS
[Symbol]	CURB RAMP TYPE 5A
[Symbol]	CURB RAMP TYPE 3



February 3, 2025
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NO.	DATE	REVISION
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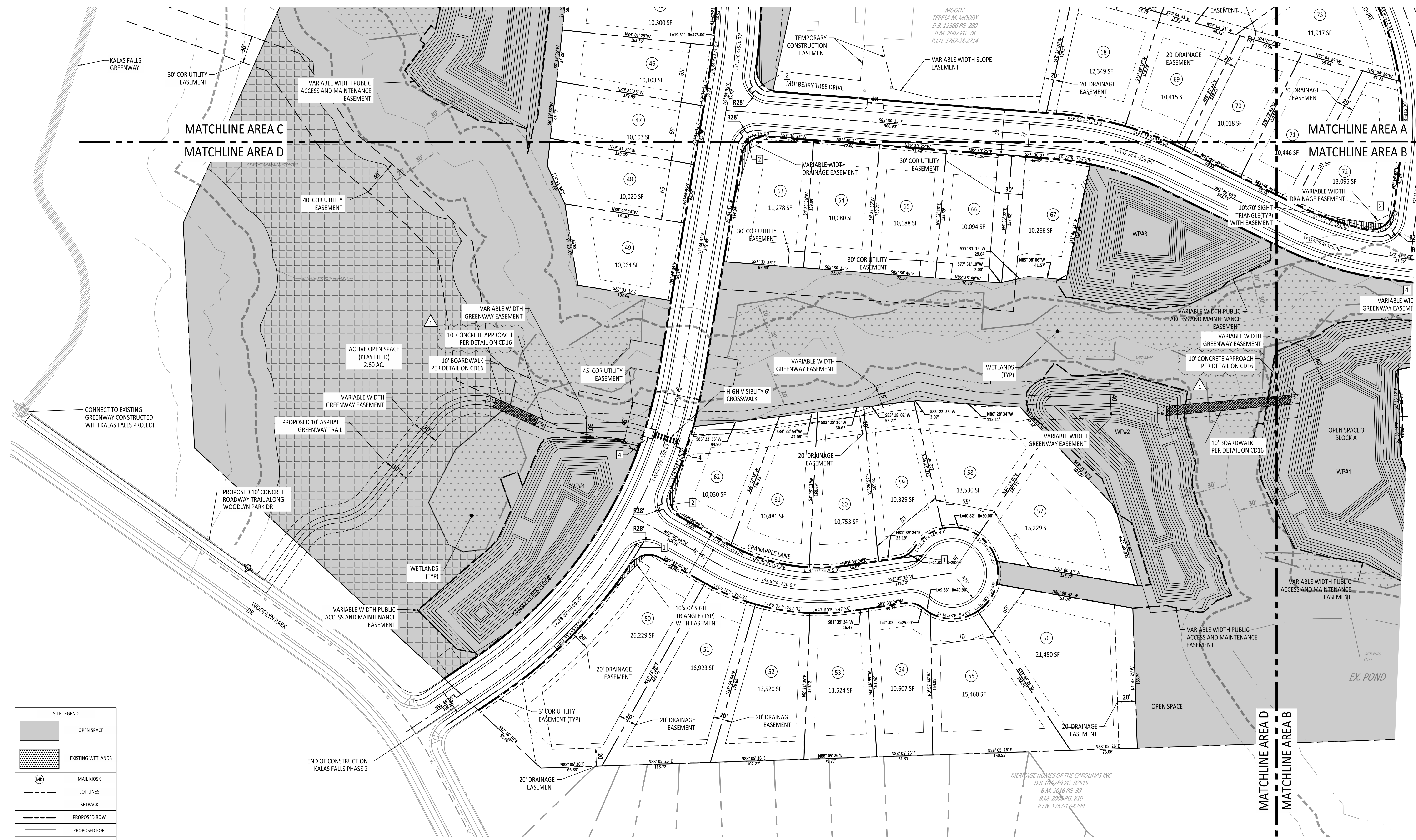
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THE PRESERVE AT MOODY FARM
CID-24-09
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WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:

SITE PLAN D

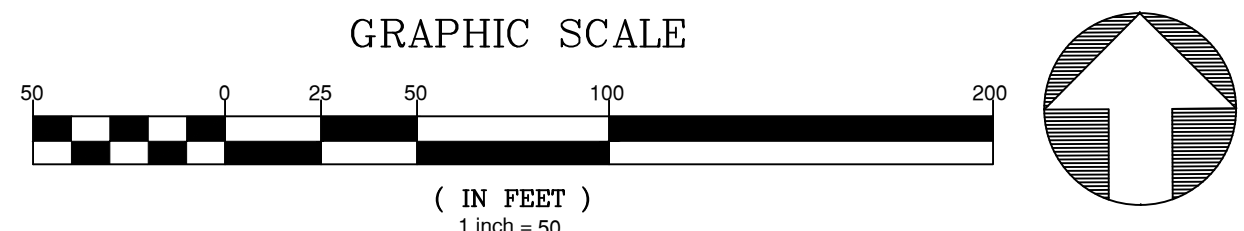
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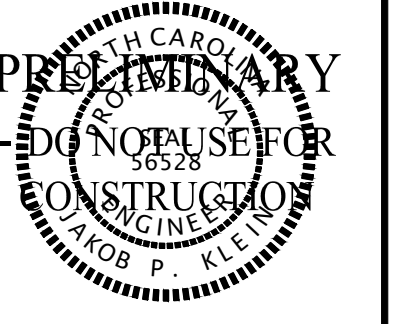
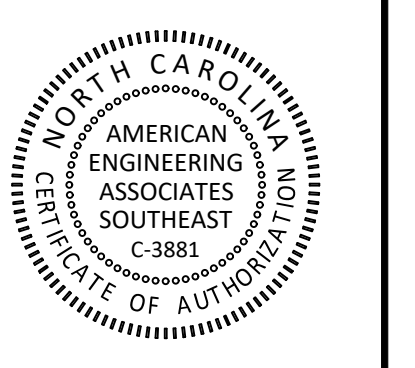
SITE LEGEND

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[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
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[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE

- KEYNOTE LEGEND:**
- CURB RAMP TYPE 1 MODIFIED
 - CURB RAMP TYPE 3 MODIFIED INSTALLATION IN A RADIUS
 - CURB RAMP TYPE 5A
 - CURB RAMP TYPE 3



February 3, 2025
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NO.	DATE	REVISION
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**THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC**

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

**PHASING
PLAN**

SHEET NO.:
C4.5

PHASE 1	LOT SQ.FT	BLOCK IDENTIFICATION
18	10,700	E
19	12,195	E
20	12,938	E
21	10,099	E
22	16,635	E
23	17,690	E
24	23,533	E
25	18,182	E
26	14,320	E
27	11,598	E
28	11,234	E
29	11,457	E
30	11,740	E
31	10,642	E
32	12,680	E
33	12,923	F
34	11,388	F
35	10,854	F
36	12,161	F
37	18,865	F
38	22,190	F
39	18,729	F
40	10,322	F
41	10,145	F
42	10,082	F
43	11,599	F

PHASE 2	LOT SQ.FT	BLOCK IDENTIFICATION
1	11,961	A
2	11,108	A
3	10,585	A
4	14,891	A
5	23,343	A
6	15,940	A
7	12,685	A
8	12,706	A
9	14,622	A
10	12,514	A
11	10,724	A
12	20,725	A
13	13,467	A
14	15,990	A
15	11,409	A
16	16,539	A
17	12,179	A
44	10,496	F
45	10,300	F
46	10,103	F
47	10,103	F
48	10,020	F
49	10,064	F
50	26,229	B
51	16,923	B
52	13,520	B

PHASE 1	LOT SQ.FT	BLOCK IDENTIFICATION
68	12,349	D
69	10,415	D
70	10,018	D
71	10,446	D
72	13,095	D
73	11,917	D
74	10,036	D
75	11,243	D
76	11,779	D
77	11,451	D
78	11,215	D
79	10,882	D
80	10,406	D
81	10,092	D
82	11,305	D

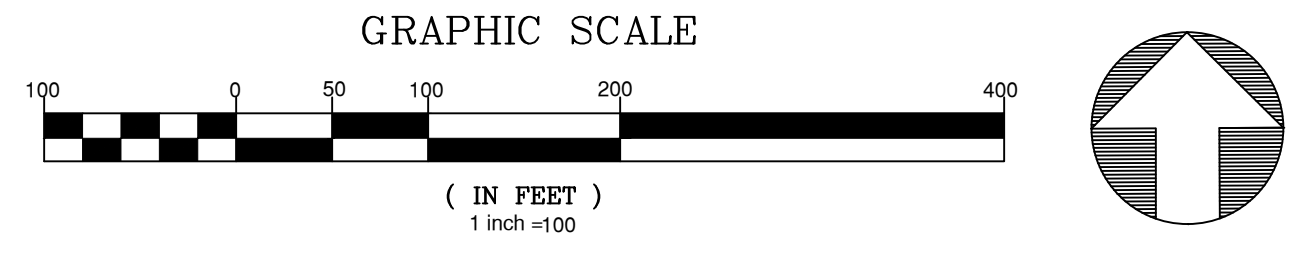
PHASE 2	LOT SQ.FT	BLOCK IDENTIFICATION
53	11,524	B
54	16,607	B
55	15,460	B
56	21,480	B
57	15,229	B
58	13,530	B
59	10,329	B
60	10,753	B
61	10,486	B
62	10,030	B
63	11,278	C
64	10,080	C
65	10,188	C
66	10,094	C
67	10,266	C

TOTAL NUMBER OF LOTS
PHASE 1 - 41 LOTS
PHASE 1 - 12,721 SF AVERAGE LOT SIZE
PHASE 2 - 41 LOTS
PHASE 2 - 13,182 SF AVERAGE LOT SIZE



SITE LEGEND

[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE



February 3, 2025
Z:\000\31-002-Moody Development-Task 02\02072025\Task 02\02072025\Working Drawings\Construction\KALAS C4.5 Site Plan.dwg





SITE INFORMATION	
TOTAL PROJECT ACREAGE	49.92 AC
GOVERNMENTAL USE	0.48 AC
AREA IN LOTS	24.38 AC
AREA IN ROW	6.54 AC
OPEN SPACE REQ.	10% / 5 AC.
OPEN SPACE PROVIDED	37% / 18.81 AC
ACTIVE REQUIRED	2.5 AC (50% OF 5 AC)
ACTIVE SHOWN	2.7 AC

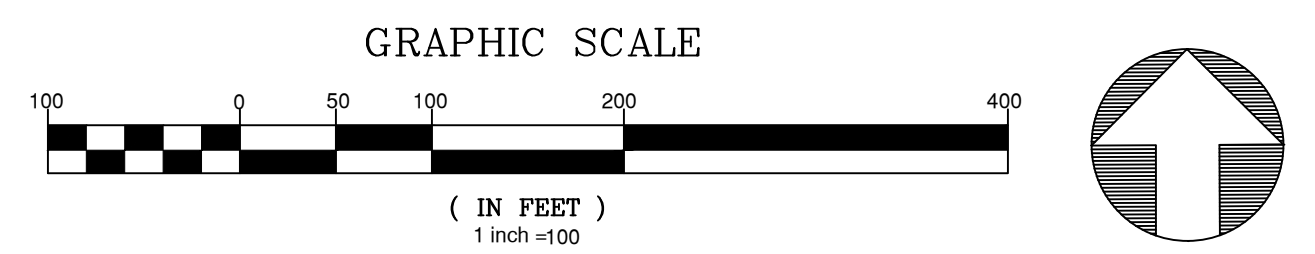
STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES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

THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

SHEET TITLE:
OPEN SPACE AND LAND USE PLAN

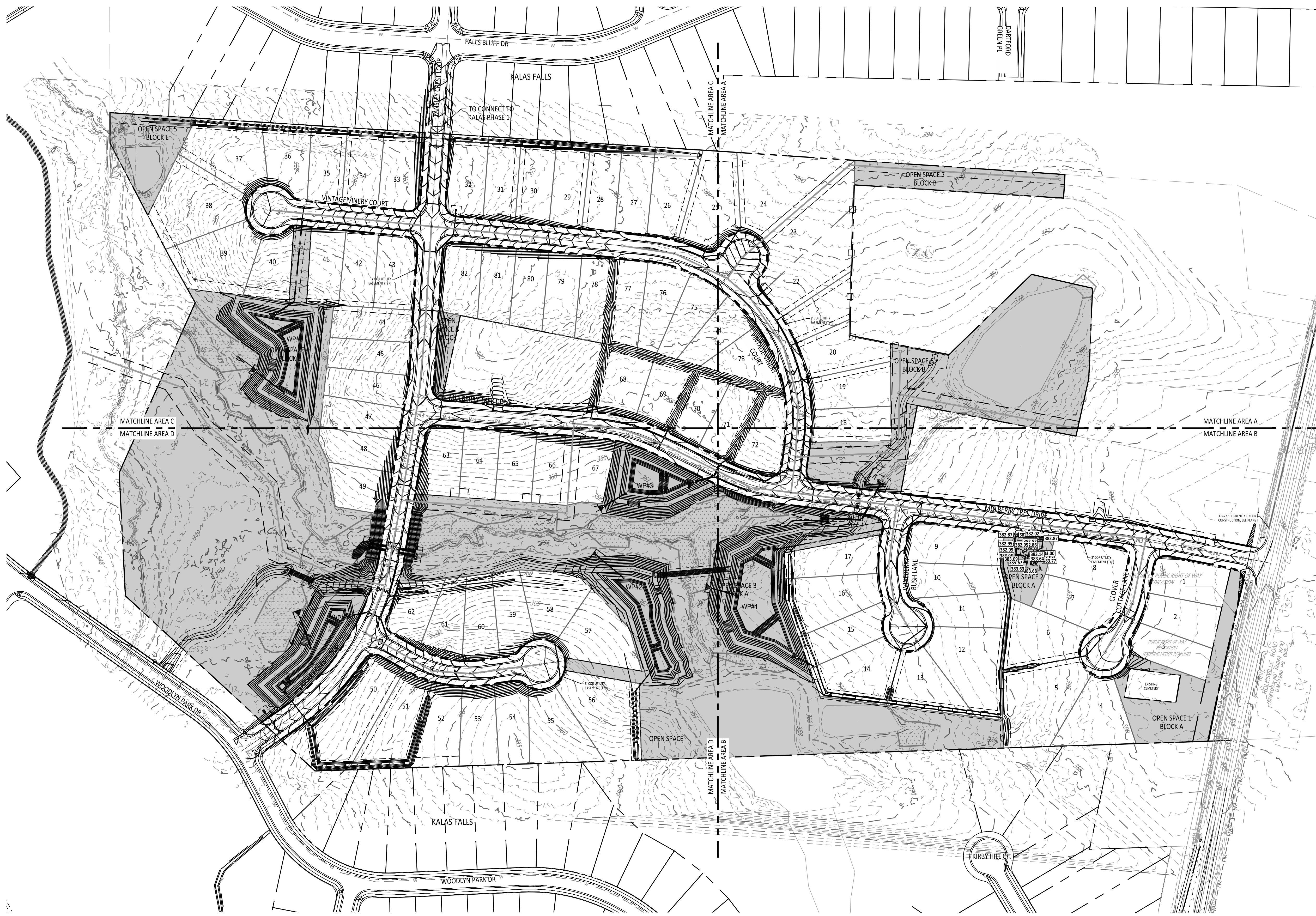
SHEET NO.:
C4.6



SITE LEGEND	
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[Pattern]	EXISTING WETLANDS
[Pattern]	GOVERNMENTAL USE
[Pattern]	ACTIVE OPEN SPACE
[MK]	MAIL KIOSK

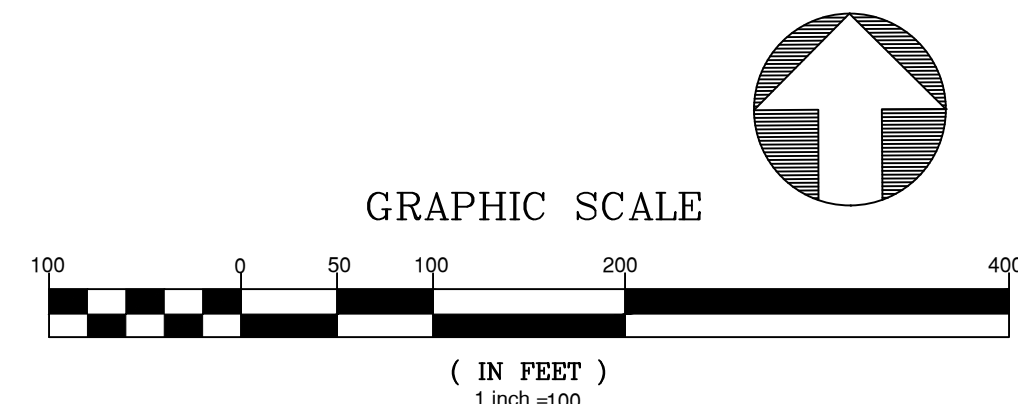


February 3, 2025
Z:\000\31-002 Moody Development - Tract B\210207\Drawings\Construction\SPALD4.6 Site Plan.dwg



NOTE: SEE DRAINAGE 50 SCALE SHEETS FOR STORMWATER STRUCTURE LABELS.

SITE LEGEND	
	OPEN SPACE
	EXISTING WETLANDS
	MAIL KIOSK
	LOT LINES
	SETBACK
	PROPOSED ROW
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED BACK OF CURB
	50' NEUSE RIPARIAN BUFFER
	BUFFER ZONE 1 AND 2
	TOP OF CREEK
	PROPOSED SCM
	PROPOSED FENCE
	SIGHT TRIANGLE



NO.	DATE	REVISION
1	02/03/2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

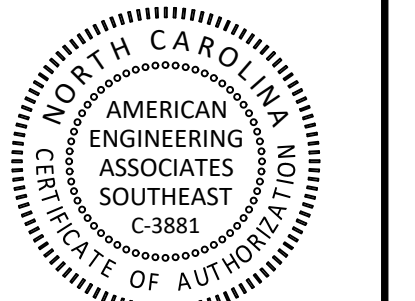
STIPULATION FOR REUSE
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THE PRESERVE AT MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

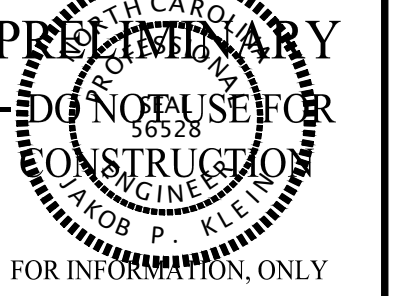
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CHECKED BY:	JK
DRAWN BY:	RC & SM
DATE:	02/03/2025
SHEET TITLE:	OVERALL DRAINAGE PLAN
SHEET NO.:	C5.0



2:\proj\21-002_Moody_Development\Task\811\2025\DWG\Construction\50\5.3_Drainage and Grading_Plan.dwg February 3, 2025



PRELIMINARY



FOR INFORMATION ONLY

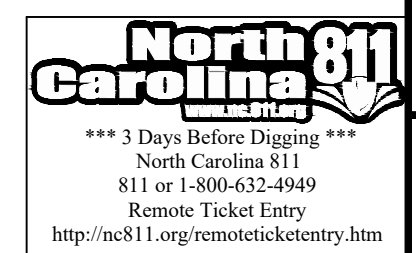
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STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON, AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING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

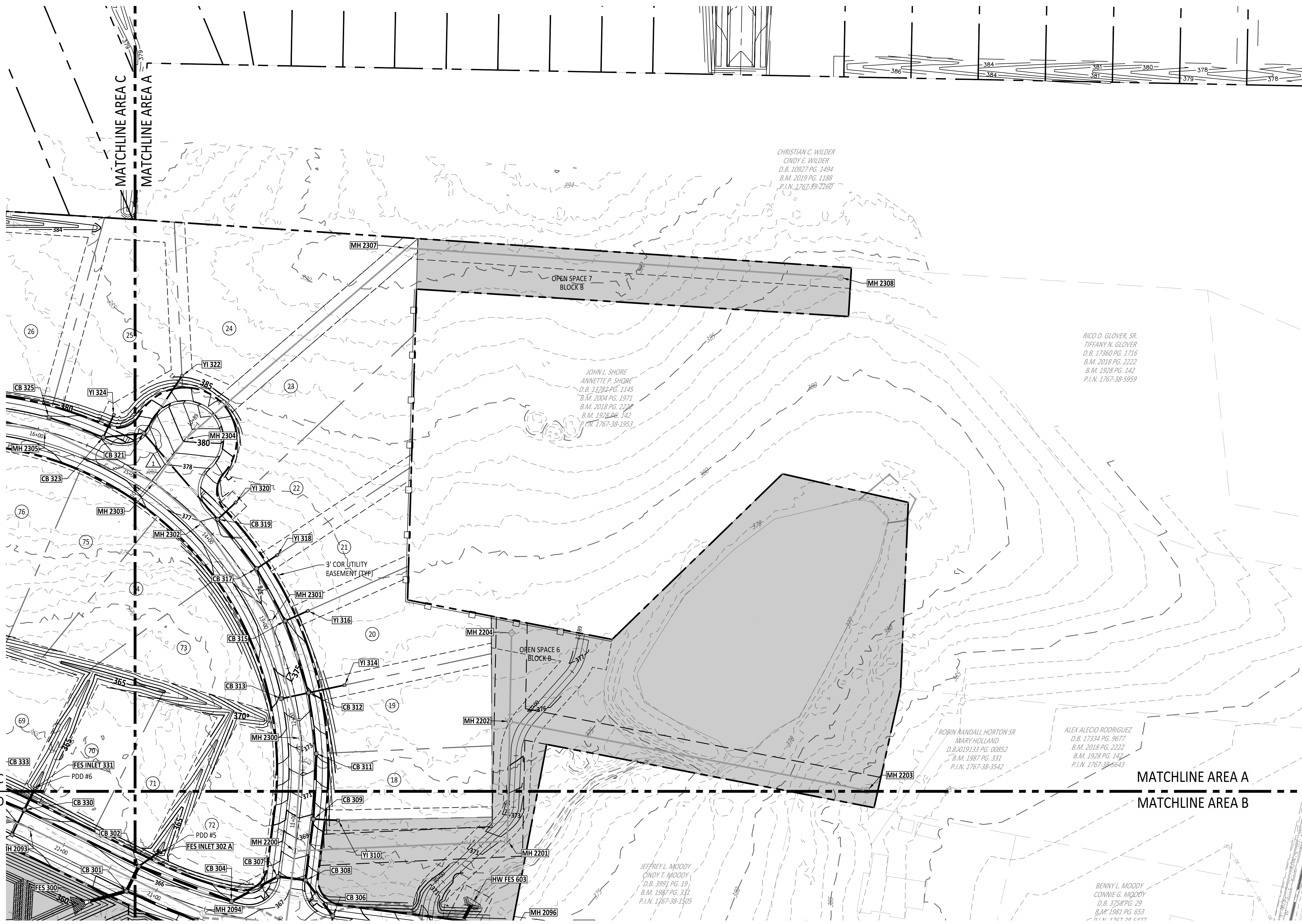
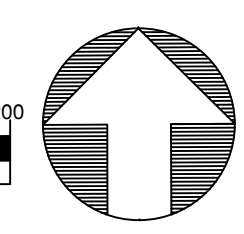
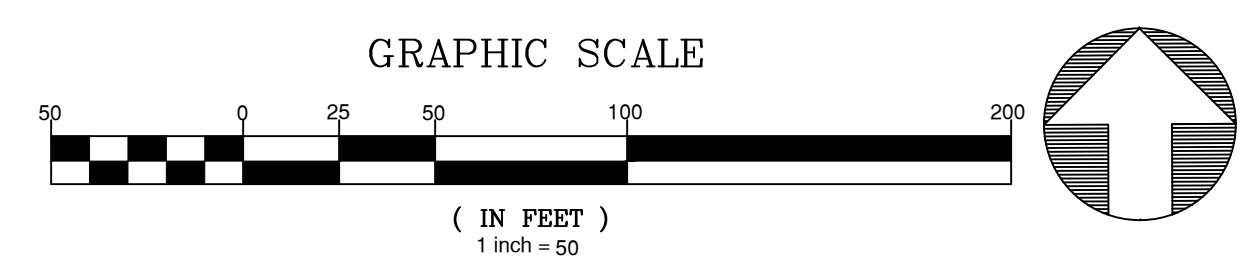
THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

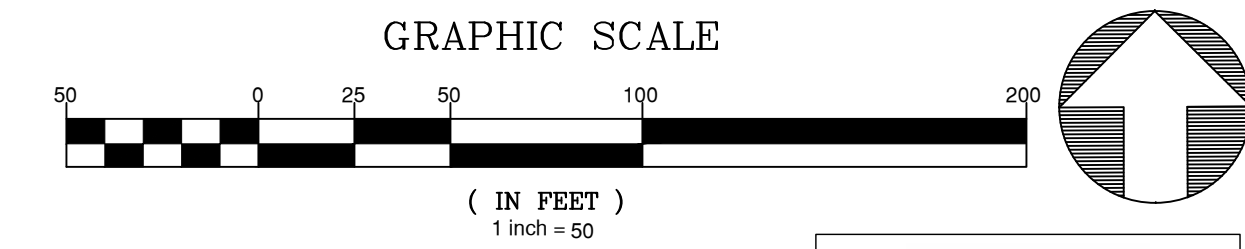
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**DRAINAGE
PLAN A**
SHEET NO.:
C5.1



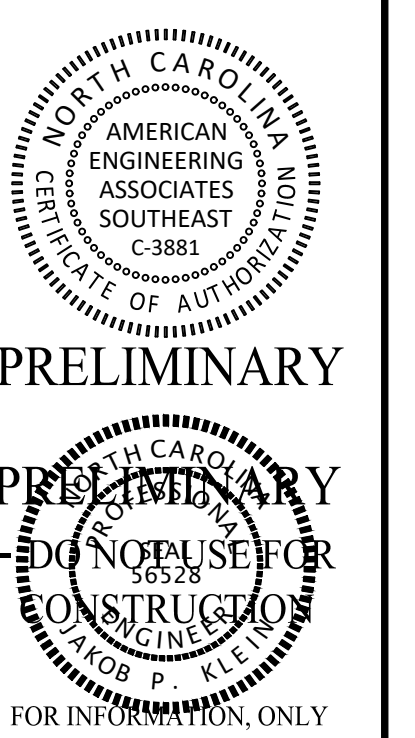
SITE LEGEND	
	OPEN SPACE
	EXISTING WETLANDS
	MAIL KIOSK
	LOT LINES
	SETBACK
	PROPOSED ROW
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED BACK OF CLUB
	50' NEUSE RIPARIAN BUFFER
	BUFFER ZONE 1 AND 2
	TOP OF CREEK
	PROPOSED SCM
	PROPOSED FENCE
	SIGHT TRIANGLE



February 3, 2025 Z:\info\31-002 Moody Development\Task 0210007\Draw\Working\Draw\Construction\SP\US\5.1 Drainage and Grading Plan.rvt



SITE LEGEND	
[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE



NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

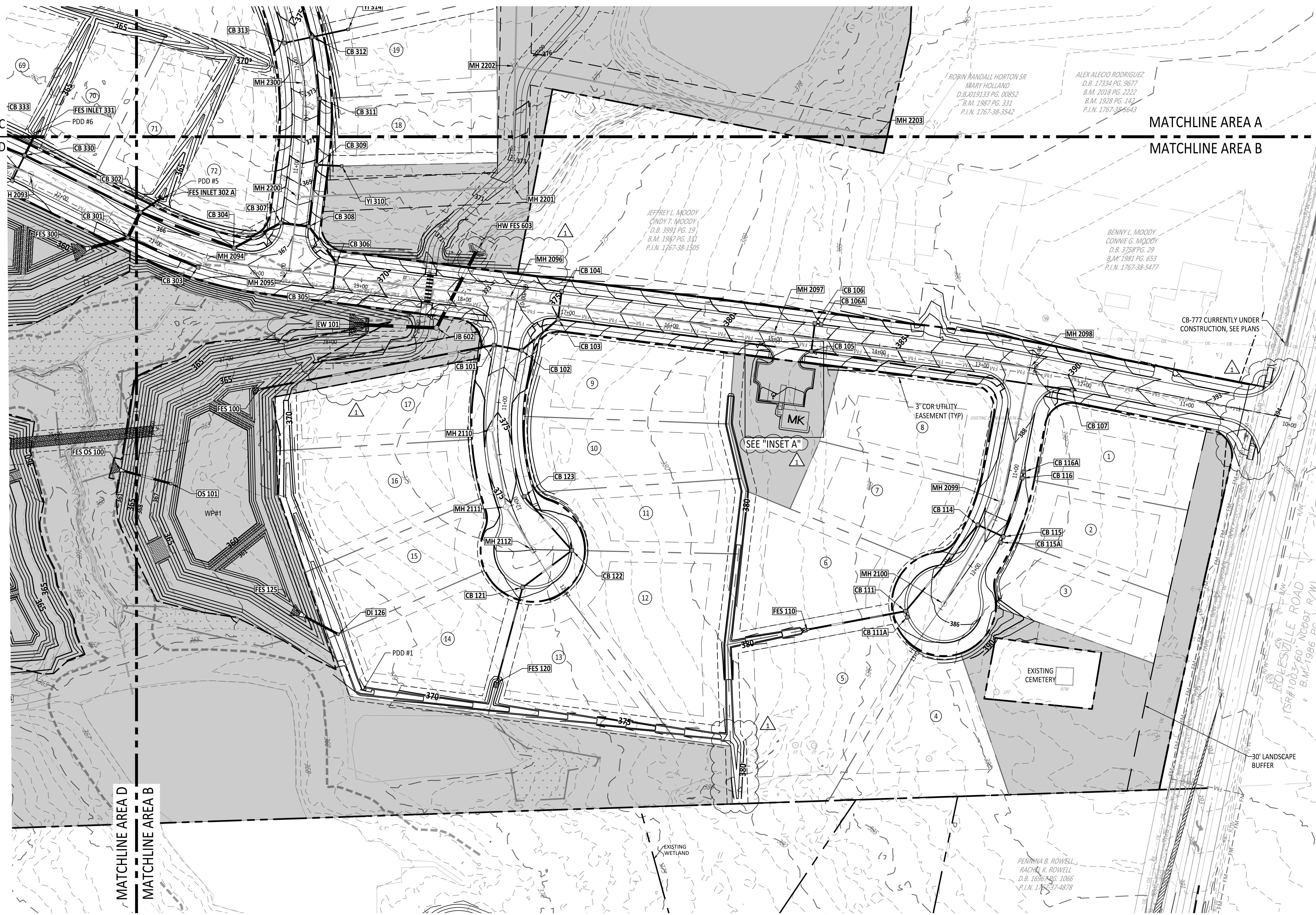
STIPULATION FOR REUSE
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THE PRESERVE AT MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

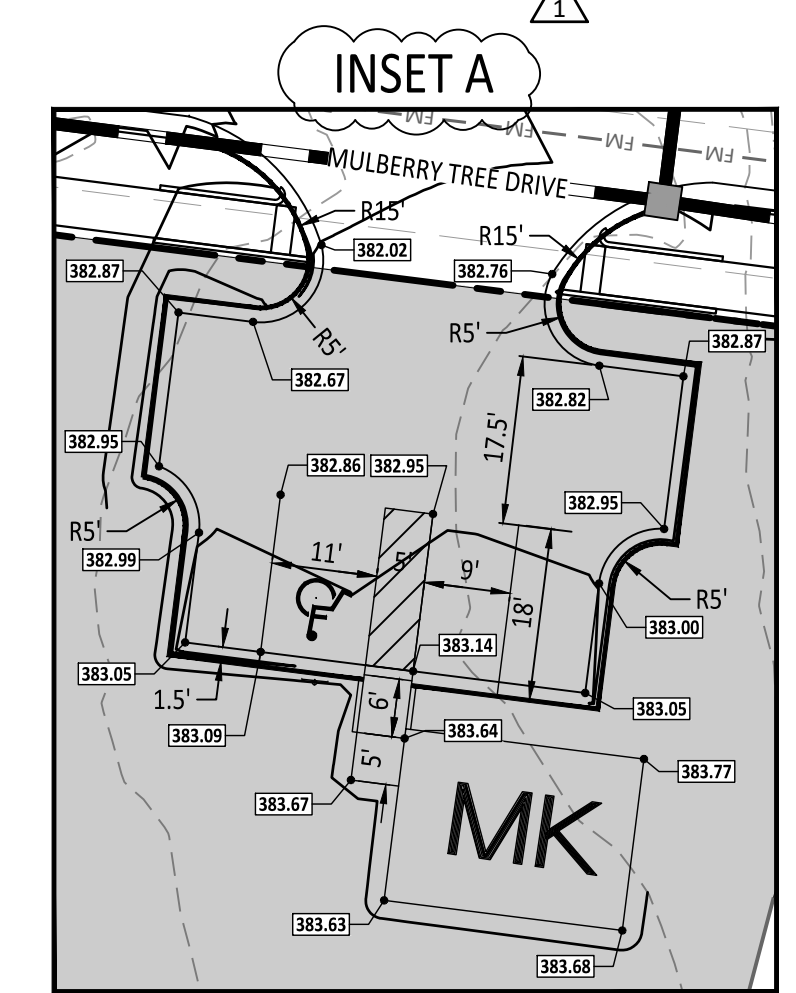
JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025

SHEET TITLE:
DRAINAGE PLAN B

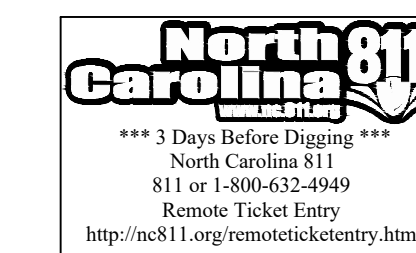
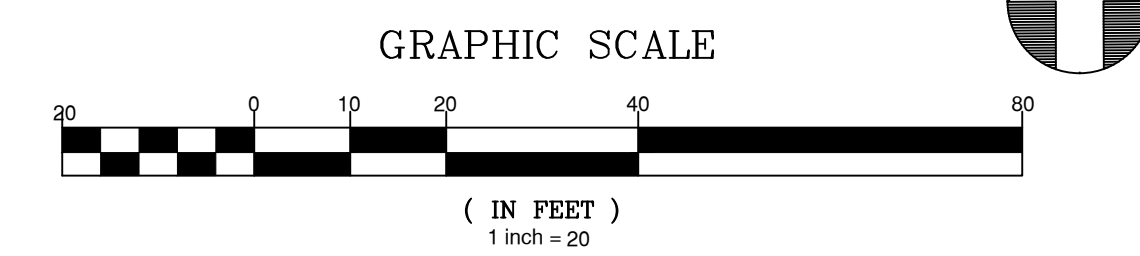
SHEET NO.:
C5.2



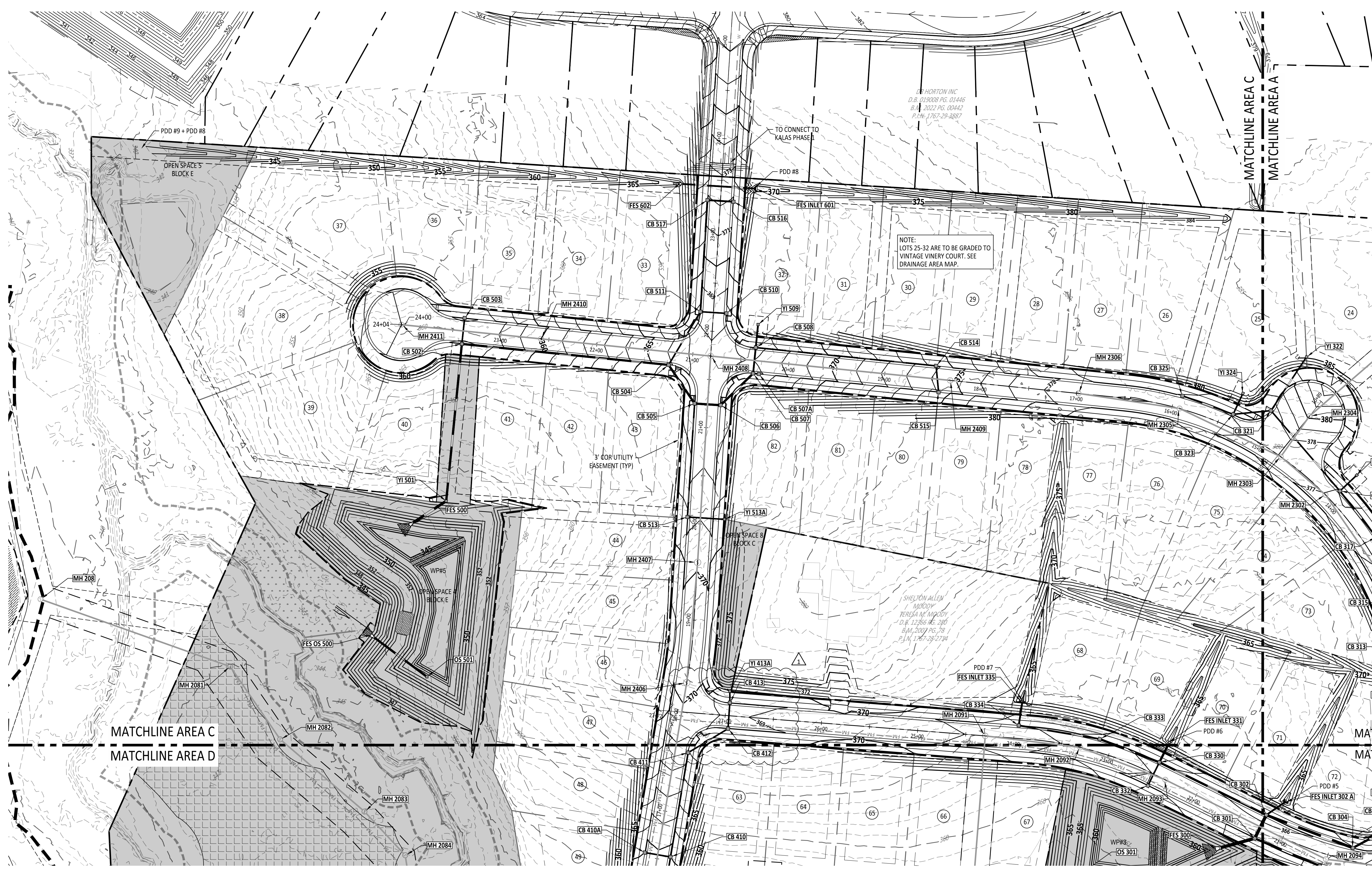
NOTE: OFFSITE IMPROVEMENTS SHOWN ARE CURRENTLY UNDER CONSTRUCTION AND NCDOT APPROVED ON JUNE 5th AS A PART OF E051-092-24-00303. THE PRESERVE AT MOODY FARM NCDOT IMPROVEMENTS ONLY INCLUDE AN UPDATED DRIVEWAY (IN SAME LOCATION AS EXISTING) AND A WATER CONNECTION.



NOTE: SPOT ELEVATIONS WITHIN PARKING LOT ARE ALONG THE EOP



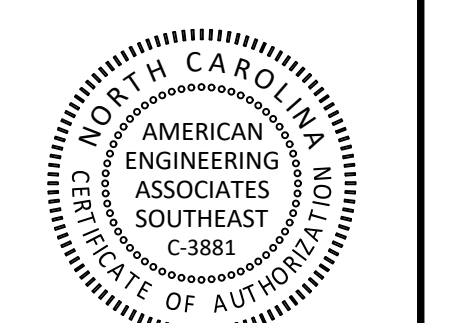
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SITE LEGEND

[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	SETBACK
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED FENCE
[Symbol]	SIGHT TRIANGLE

AMERICAN Engineering
 American Engineering Associates - Southeast, P.A.
 4020 Westchase Boulevard, Suite 450
 Raleigh, NC 27607
 919-469-1101



PRELIMINARY
 DO NOT USE FOR CONSTRUCTION
 FOR INFORMATION ONLY

NOTE:
 LOTS 25-32 ARE TO BE GRADED TO VINTAGE VINERY COURT. SEE DRAINAGE AREA MAP.

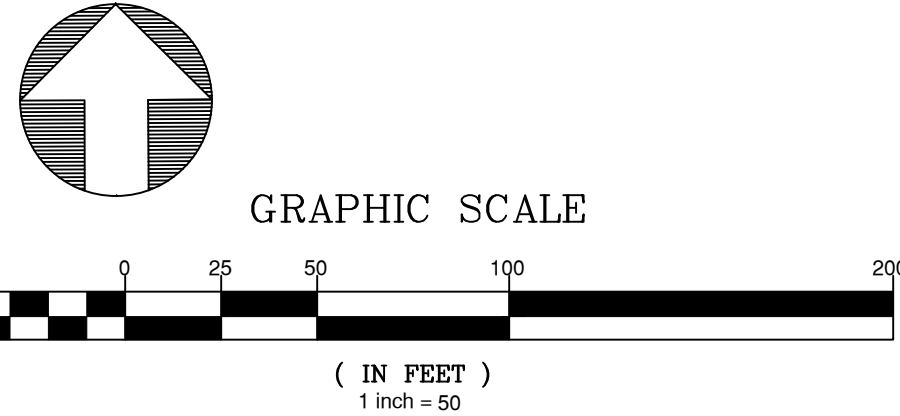
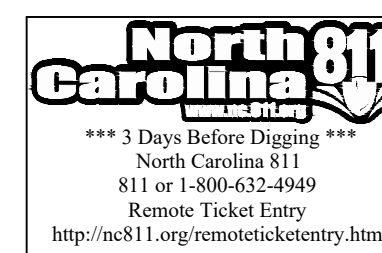
NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

STIPULATION FOR REUSE
 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 REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

THE PRESERVE AT MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025

SHEET TITLE:
DRAINAGE PLAN C
 SHEET NO.:
C5.3



February 3, 2025
 Z:\00\31-002 Moody Development\Task 0210007\Draw\Working\Draw\Construction\SP\05-0-3 Drainage and Grading Plan.rvt

NO.	DATE	REVISION:
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWINGS SUBMITTAL #1

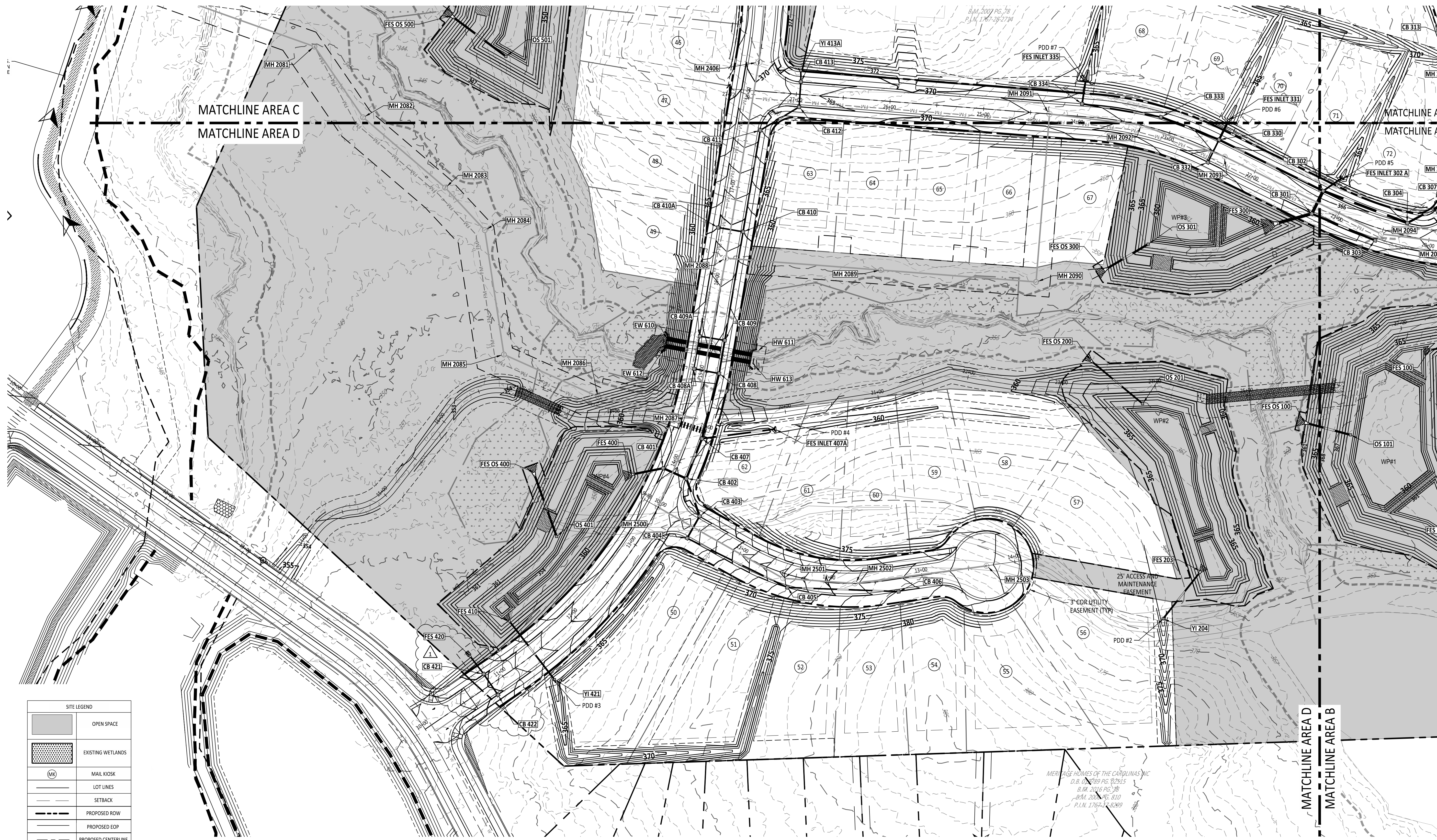
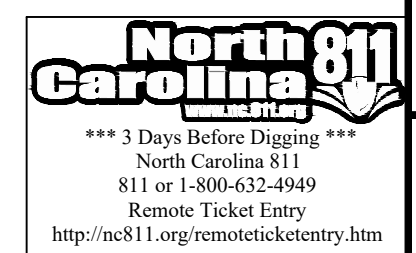
STIPULATION FOR REUSE
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THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

SHEET TITLE:
DRAINAGE PLAN D

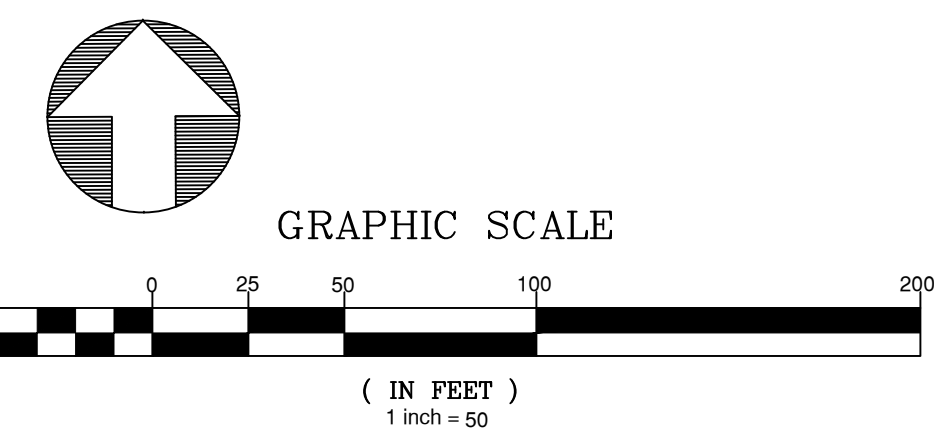
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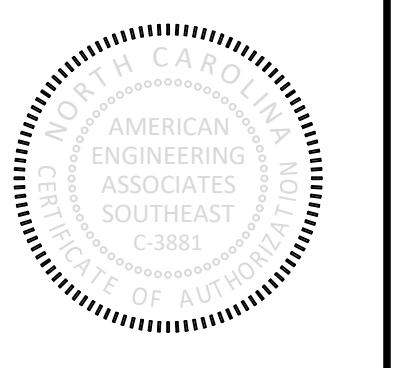
SITE LEGEND

[Blank Box]	OPEN SPACE
[Hatched Box]	EXISTING WETLANDS
(MK)	MAIL KIOSK
[Dashed Line]	LOT LINES
[Dashed Line]	SETBACK
[Dashed Line]	PROPOSED ROW
[Dashed Line]	PROPOSED EOP
[Dashed Line]	PROPOSED CENTERLINE
[Dashed Line]	PROPOSED BACK OF CURB
[Dashed Line]	50' NEUSE RIPARIAN BUFFER
[Dashed Line]	BUFFER ZONE 1 AND 2
[Dashed Line]	TOP OF CREEK
[Dashed Line]	PROPOSED SCM
[Dashed Line]	PROPOSED FENCE
[Triangle]	SIGHT TRIANGLE

NOTE: PDD IS PERMANENT DIVERSION DITCH



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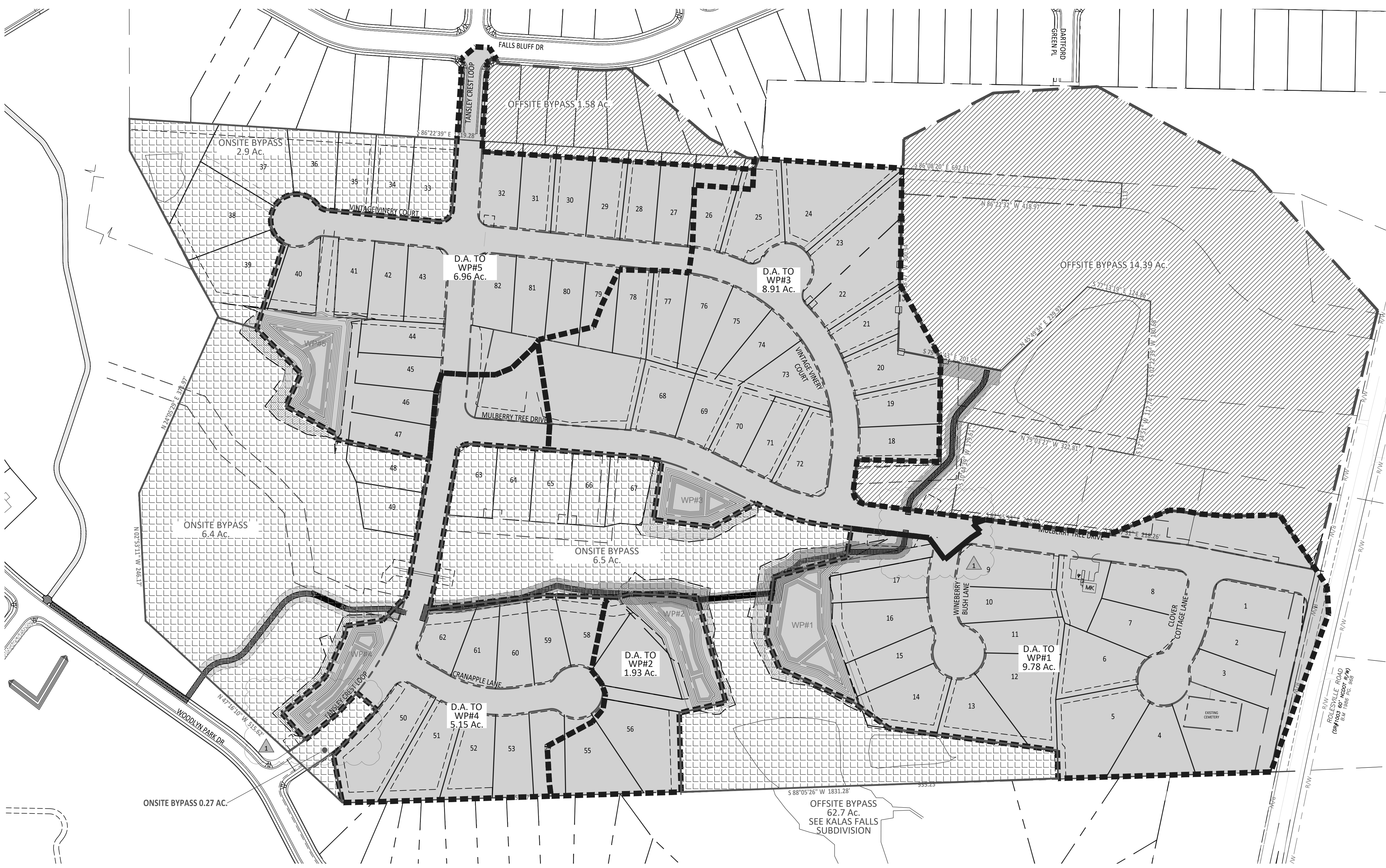


NO.	DATE	REVISION
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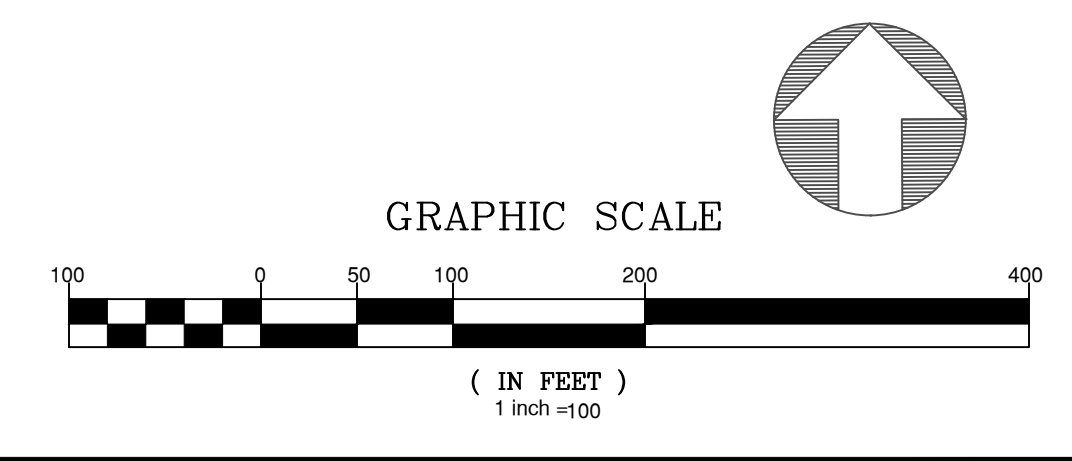
STIPULATION FOR REUSE
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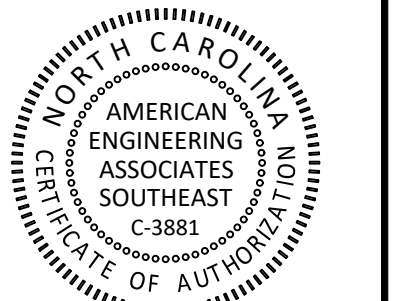
THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:
POST DRAINAGE AREA MAP
SHEET NO.:
C5.5

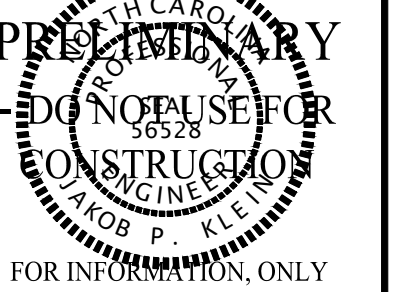


LEGEND	
	SCM DRAINAGE AREA
	OFFSITE BYPASS
	ONSITE BYPASS



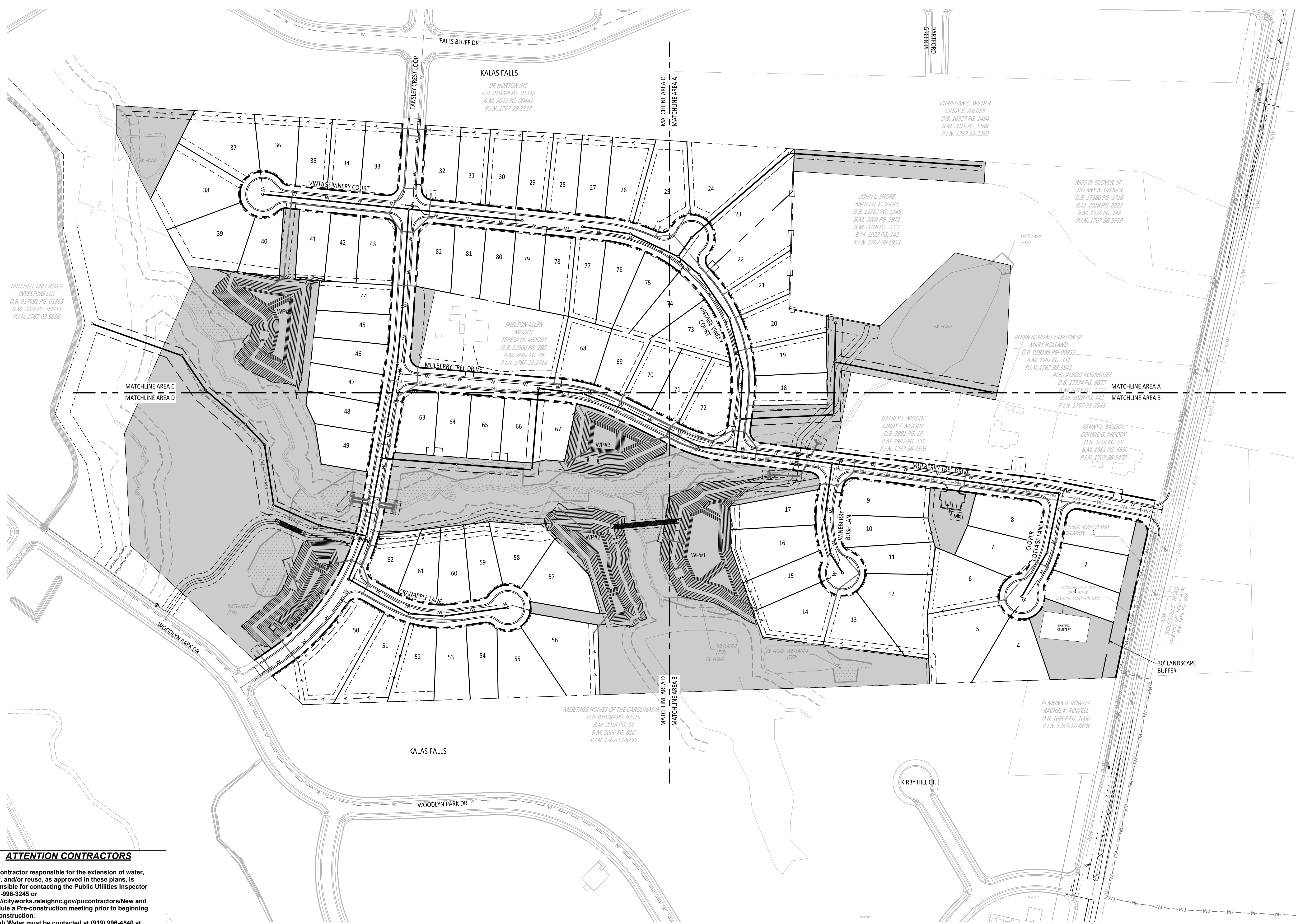


PRELIMINARY



FOR INFORMATION ONLY

UTILITY LEGEND	
[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED WATERLINE
[Symbol]	PROPOSED SEWERLINE
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED WATER METER
[Symbol]	PROPOSED SEWER SERVICE



NO.	DATE	REVISION
1	02-09-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

STIPULATION FOR REUSE
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 REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

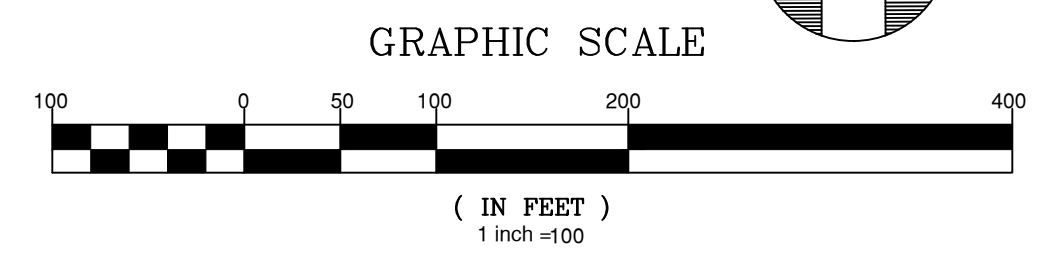
JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025

SHEET TITLE:
OVERALL UTILITIES PLAN

SHEET NO.:
C6.0

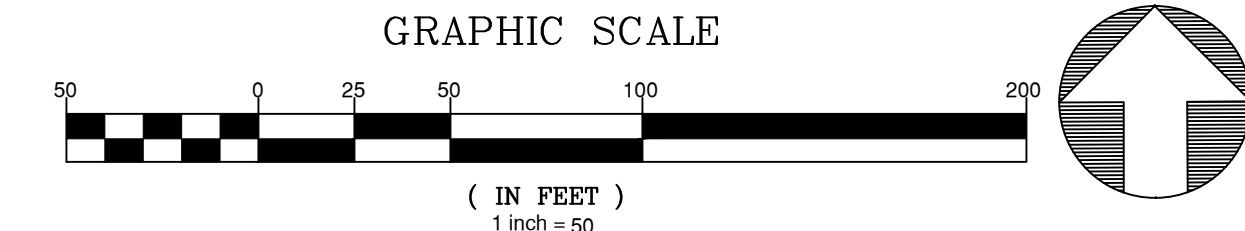
ATTENTION CONTRACTORS
The Contractor responsible for the extension of water, sewer, and/or reuse, as approved in these plans, is responsible for contacting the Public Utilities Inspector at 919-996-3245 or <https://cityworks.raleighnc.gov/contractors/New> and schedule a Pre-construction meeting prior to beginning any construction. Raleigh Water must be contacted at (919) 996-4540 at least twenty-four hours prior to beginning any work activity around critical water and sewer infrastructure. Failure to notify the Divisions 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.

NOTE: SEE UTILITY 50 SCALE SHEETS FOR EASEMENT AND APPURTENANCE LABELS.

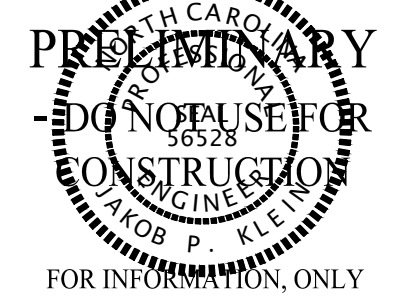


<p>Public Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of the City's public sewer system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit #</p>	<p>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 #</p>	<p>*** 3 Days Before Digging *** North Carolina 811 811 or 1-800-632-8949 Remote Ticket Entry http://nc811.org/remoteticketentry.htm</p>
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February 3, 2025
2:\000\31-000-Moody Development\Task\811\020725\DWG_Working\Drawings\Construction\50\6\Overall Utilities Plan.dwg



PRELIMINARY

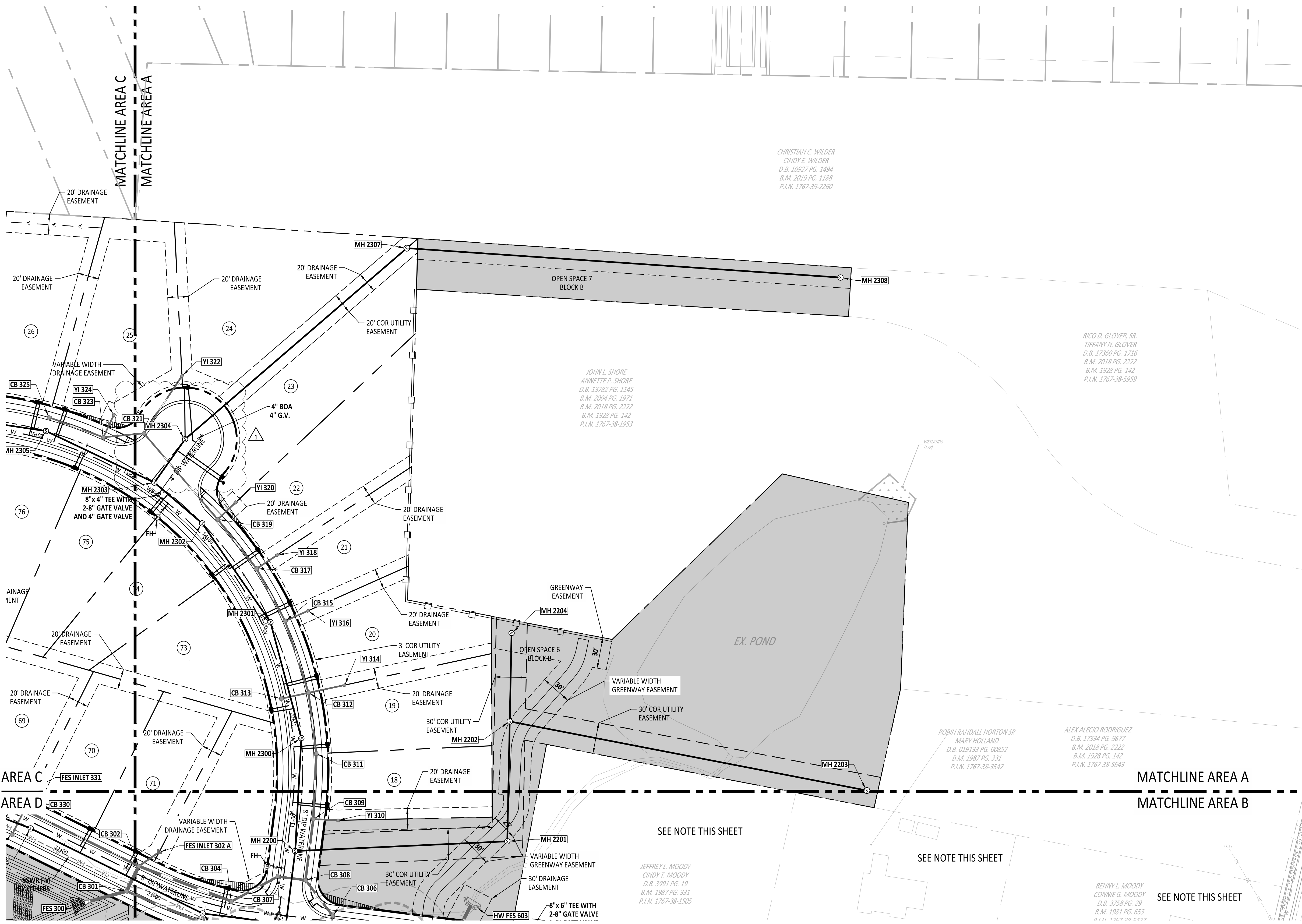


FOR INFORMATION ONLY

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UTILITY LEGEND	
	OPEN SPACE
	EXISTING WETLANDS
	MAIL KIOSK
	LOT LINES
	PROPOSED ROW
	PROPOSED EOP
	PROPOSED CENTERLINE
	PROPOSED BACK OF CURB
	50' NEUSE RIPARIAN BUFFER
	BUFFER ZONE 1 AND 2
	TOP OF CREEK
	PROPOSED SCM
	PROPOSED WATERLINE
	PROPOSED SEWERLINE
	PROPOSED MANHOLE
	PROPOSED MANHOLE
	PROPOSED WATER METER
	PROPOSED SEWER SERVICE



CHRISTIAN C. WILDER
CINDY E. WILDER
D.B. 10927 PG. 1494
B.M. 2019 PG. 1188
P.I.N. 1767-39-2260

JOHN L. SHORE
ANNETTE P. SHORE
D.B. 13783 PG. 1145
B.M. 2004 PG. 1971
B.M. 2018 PG. 2222
B.M. 1928 PG. 142
P.I.N. 1767-38-1953

RICO D. GLOVER, SR.
TIFFANY N. GLOVER
D.B. 17360 PG. 1716
B.M. 2018 PG. 2222
B.M. 1928 PG. 142
P.I.N. 1767-38-5959

ROBIN RANDALL HORTON SR.
MARY HOLLAND
D.B. 019133 PG. 00852
B.M. 1987 PG. 331
P.I.N. 1767-38-3542

ALEX ALEJO RODRIGUEZ
D.B. 17334 PG. 9577
B.M. 2018 PG. 2222
B.M. 1928 PG. 142
P.I.N. 1767-38-5643

JEFFREY L. MOODY
CINDY T. MOODY
D.B. 3051 PG. 19
B.M. 1987 PG. 331
P.I.N. 1767-38-1505

BENNY L. MOODY
CONNIE G. MOODY
D.B. 3758 PG. 29
B.M. 1981 PG. 653
P.I.N. 1767-38-6477

NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

STIPULATION FOR REUSE
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 REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

THE PRESERVE
AT
MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE: UTILITY PLAN A
SHEET NO.: C6.1

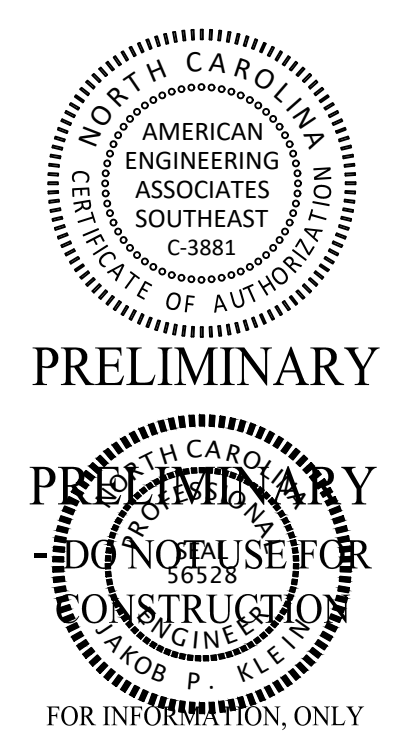
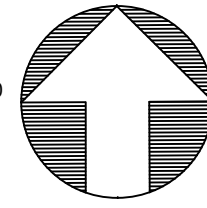
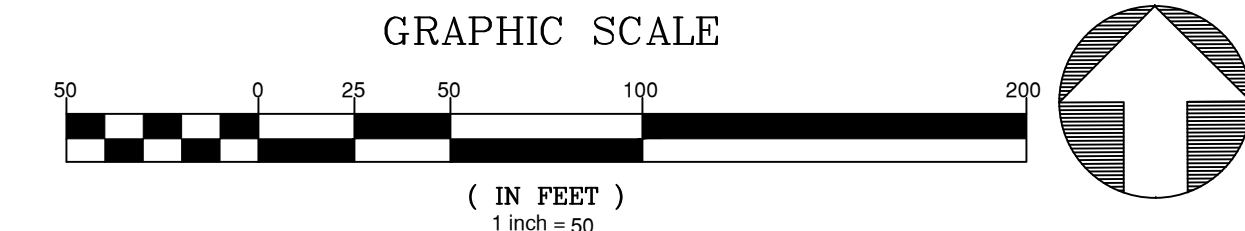
Public Sewer Collection / Extension System
The City of Raleigh consents to the connection and extension of the City's public sewer system as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

City of Raleigh
Public Utilities Department Permit #

Public Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit #

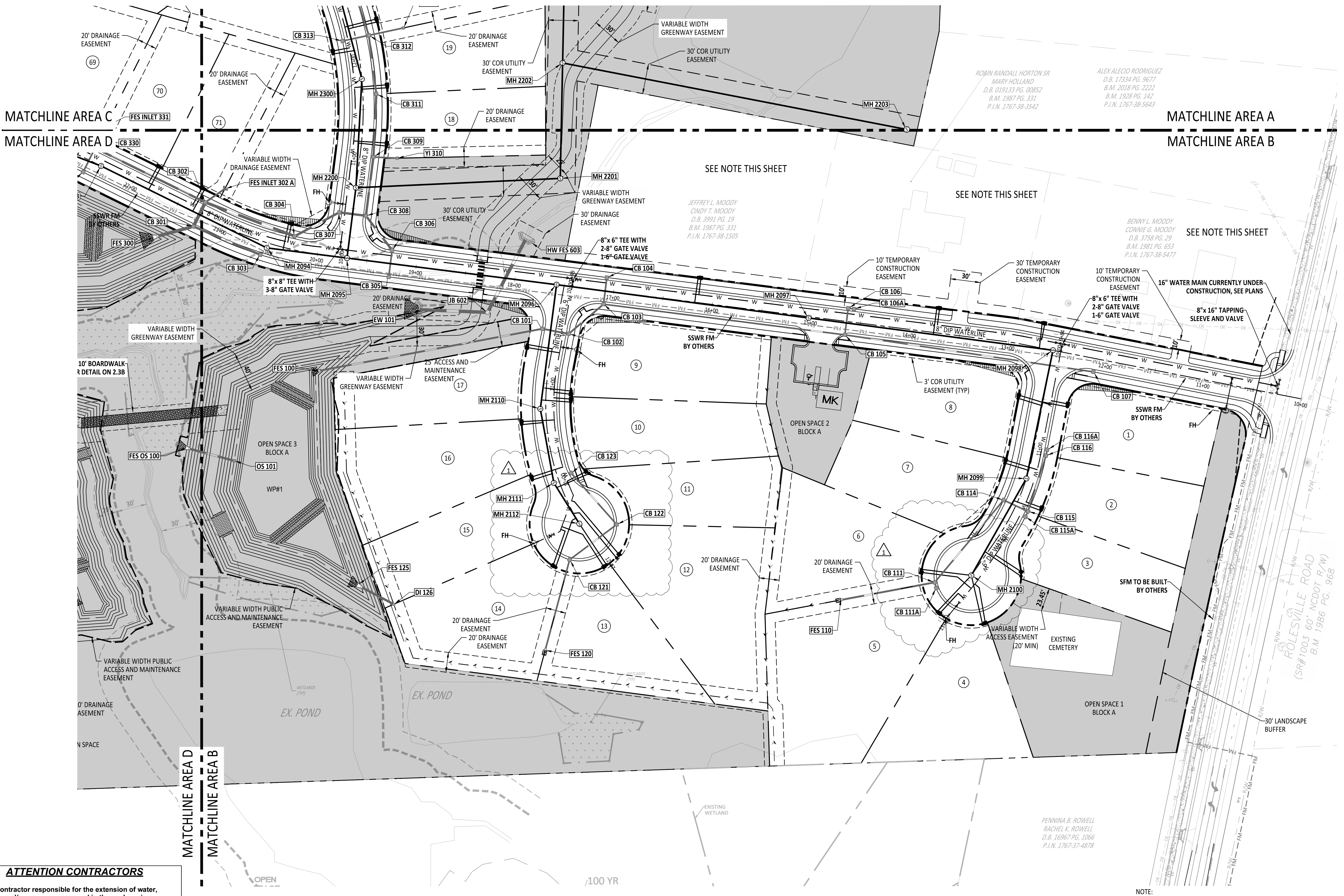
February 3, 2025
Z:\00\31-002_Moody Development\Task (21-002)\007\DWG\Working_Dwg\Construction_Sewer\Utilities_Plan.dwg



PRELIMINARY
 DO NOT USE FOR CONSTRUCTION
 FOR INFORMATION ONLY

UTILITY LEGEND	
[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
[Symbol]	TOP OF CREEK
[Symbol]	PROPOSED SCM
[Symbol]	PROPOSED WATERLINE
[Symbol]	PROPOSED SEWERLINE
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED WATER METER
[Symbol]	PROPOSED SEWER SERVICE

NOTE: OFFSITE IMPROVEMENTS SHOWN ARE CURRENTLY UNDER CONSTRUCTION AND NCDOT APPROVED ON JUNE 5th AS A PART OF E051-092-24-00303. THE PRESERVE AT MOODY FARM NCDOT IMPROVEMENTS ONLY INCLUDE AN UPDATED DRIVEWAY (IN SAME LOCATION AS EXISTING) AND A WATER CONNECTION.



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 Inspector at 919-996-3245 or <https://cityworks.raleighnc.gov/contractors/new> and schedule a Pre-construction meeting prior to beginning any construction. Raleigh Water must be contacted at (919) 996-4540 at least twenty-four hours prior to beginning any work activity around critical water and sewer infrastructure. Failure to notify the Divisions 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.

- NOTE:
 1. UTILITY SERVICES OF EXISTING PROPERTIES SHALL BE CONFIRMED PRIOR TO CONSTRUCTION TO ENSURE PROPOSED DEVELOPMENT IS NOT IN CONFLICT. CONTACT AMERICAN ENGINEERING IF THERE ARE ANY DISCREPANCIES.

NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE SUBMITTAL #1

STIPULATION FOR REUSE
 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 REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

THE PRESERVE
 AT
 MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025
 SHEET TITLE:

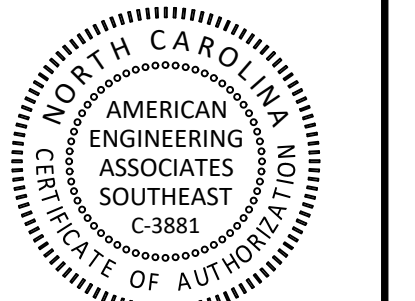
UTILITY PLAN B

SHEET NO.: **C6.2**

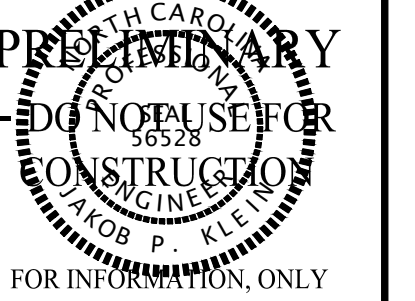
Public Sewer Collection / Extension System
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 City of Raleigh
 Public Utilities Department Permit #

Public Water Distribution / Extension System
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 City of Raleigh
 Public Utilities Department Permit #

*** 3 Days Before Digging ***
North 811
 North Carolina 811
 811 or 1-800-632-8140
 Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>



PRELIMINARY



FOR INFORMATION ONLY

NO.	DATE	REVISION
1	02-03-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

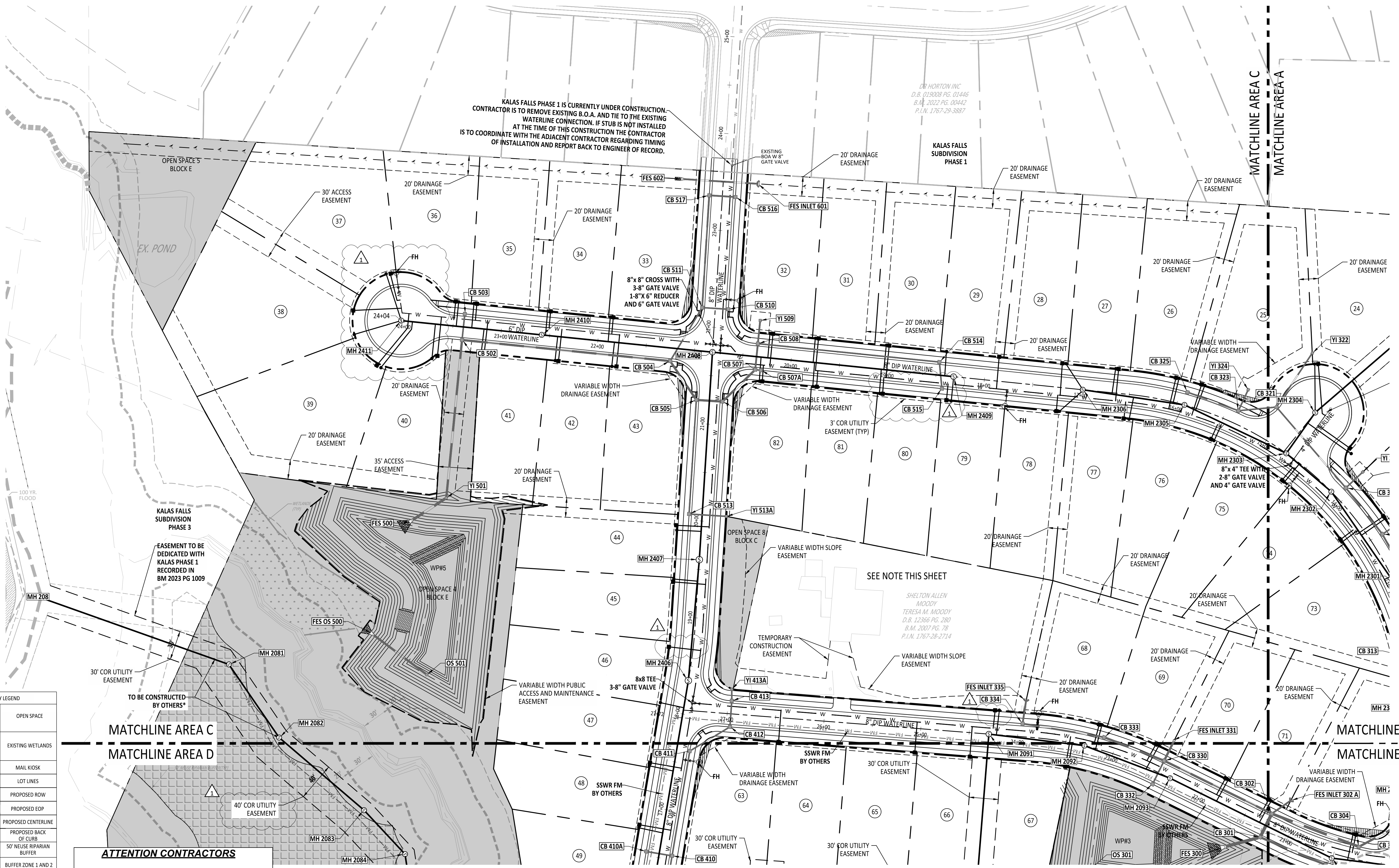
STIPULATION FOR REUSE
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THE PRESERVE AT MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
 CHECKED BY: JK
 DRAWN BY: RC & SM
 DATE: 02/03/2025

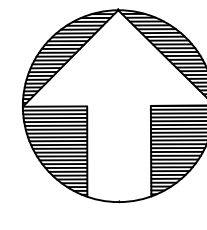
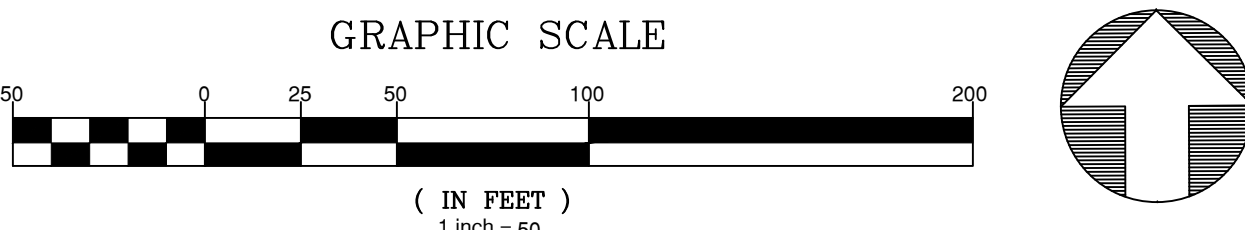
UTILITY PLAN C

SHEET NO.: **C6.3**



KALAS FALLS PHASE 1 IS CURRENTLY UNDER CONSTRUCTION. CONTRACTOR IS TO REMOVE EXISTING B.O.A. AND TIE TO THE EXISTING WATERLINE CONNECTION. IF STUB IS NOT INSTALLED AT THE TIME OF THIS CONSTRUCTION THE CONTRACTOR IS TO COORDINATE WITH THE ADJACENT CONTRACTOR REGARDING TIMING OF INSTALLATION AND REPORT BACK TO ENGINEER OF RECORD.

SEE NOTE THIS SHEET
 SHELTON ALLEN RADDOY
 TERESA M. RADDOY
 D.B. 12266 PG. 280
 B.M. 2007 PG. 78
 P.L.N. 1767-28-2734



- NOTE:
- UTILITY SERVICES OF EXISTING PROPERTIES SHALL BE CONFIRMED PRIOR TO CONSTRUCTION TO ENSURE PROPOSED DEVELOPMENT IS NOT IN CONFLICT. CONTACT AMERICAN ENGINEERING IF THERE ARE ANY DISCREPANCIES.
 - WATER MAIN AT TINSLEY CREST LOOP WILL BE CONSTRUCTED TO THE EXISTING BOA WITH KALAS FALLS PHASE 1. WE'RE ANTICIPATING CONSTRUCTION OF FM TO BE DONE PRIOR TO THE CONSTRUCTION OF THIS PROJECT.

UTILITY LEGEND

[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
[Symbol]	PROPOSED CENTERLINE
[Symbol]	PROPOSED BACK OF CURB
[Symbol]	50' NEUSE RIPARIAN BUFFER
[Symbol]	BUFFER ZONE 1 AND 2
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[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED WATER METER
[Symbol]	PROPOSED SEWER SERVICE

ATTENTION CONTRACTORS

The Contractor responsible for the extension of water, sewer, and/or reuse, as approved in these plans, is permitted to contact the Public Utilities Inspector at 919-996-3245 or <https://cityworks.raleighnc.gov/pucontractors/new> and schedule a Pre-construction meeting prior to beginning any construction. Raleigh Water must be contacted at (919) 996-4540 at least twenty-four hours prior to beginning any work activity around critical water and sewer infrastructure. Failure to notify the Divisions in advance of beginning construction, will result in the issuance of monetary fines, and require installation 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.

February 3, 2025
 Z:\000\31-000-Moody Development\Task 02102025\Drawings\Construction\Sewer\Utilities Plan.dwg

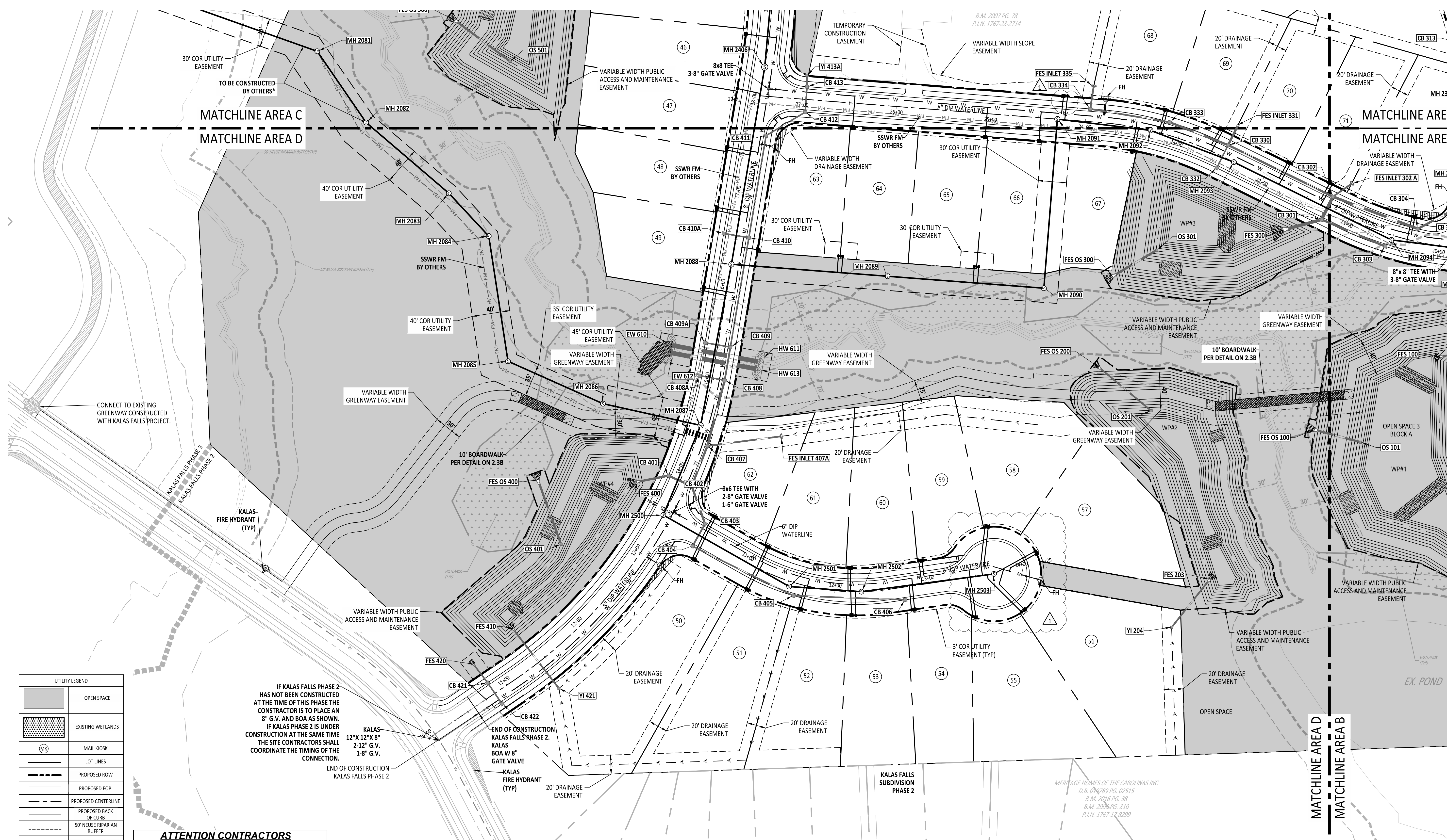
NO.	DATE	REVISION
1	02-25-2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

STIPULATION FOR REUSE
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THE PRESERVE AT MOODY FARM
CID-24-09
ROLESVILLE ROAD
WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE:

UTILITY PLAN D
SHEET NO.: **C6.4**



UTILITY LEGEND

[Symbol]	OPEN SPACE
[Symbol]	EXISTING WETLANDS
[Symbol]	MAIL KIOSK
[Symbol]	LOT LINES
[Symbol]	PROPOSED ROW
[Symbol]	PROPOSED EOP
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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.

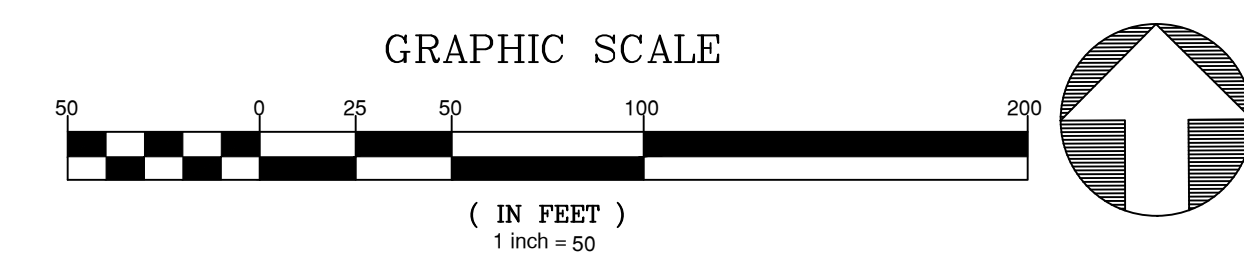
IF KALAS FALLS PHASE 2 HAS NOT BEEN CONSTRUCTED AT THE TIME OF THIS PHASE THE CONTRACTOR IS TO PLACE AN 8" G.V. AND BOA AS SHOWN. IF KALAS PHASE 2 IS UNDER CONSTRUCTION AT THE SAME TIME THE SITE CONTRACTORS SHALL COORDINATE THE TIMING OF THE CONNECTION.

KALAS 12"X12"X 8" 2-12" G.V. 1-8" G.V.

END OF CONSTRUCTION KALAS FALLS PHASE 2

END OF CONSTRUCTION KALAS FALLS PHASE 2. KALAS BOA W 8" GATE VALVE

KALAS FIRE HYDRANT (TYP)



2/3/2025 10:00 AM, Monday Development Team (8210000) (Auto), Working Drawings Construction Set (S&L) Utilities Plan.dwg

<p>Public Sewer Collection / Extension System</p> <p>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.</p> <p>City of Raleigh Public Utilities Department/Permit #</p>	<p>Public Water Distribution / Extension System</p> <p>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.</p> <p>City of Raleigh Public Utilities Department/Permit #</p>	<p>North 811</p> <p>*** 3 Days Before Digging *** North Carolina 811 811 or 1-800-432-4949 Remote Ticket Entry http://nc811.org/remoteticketentry.htm</p>
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10-YEAR EROSION & SEDIMENT CONTROL TEMPORARY DIVERSION DITCH CALCULATIONS (2:1 SIDE SLOPES)								
TDD #	DRAINAGE AREA (AC)	AVERAGE SLOPE (%)	WIDTH (FT)	DEPTH (FT)	V ₁₀ (FT/S)	CALCULATED τ (LBS/FT ²)	RECOMMENDED LINER	LINER ALLOWABLE τ (LBS/FT ²)
1	1.79	3.12	6	1.5	4.52	1.89	AM. EXCELSOR CO.; CURLEX II.98; 2 NETS	2
2	0.89	8.08	4	1	5.60	3.28	E. COAST ERO. BLANK; COIR, 3 NETS	3.50
3	0.34	0.84	4	1	1.85	0.37	JUTE NETTING	0.45
4	0.77	4.03	4	1	3.92	1.61	AM. EXCELSOR CO.; CURLEX II.73; 2 NETS	1.75

NOTE: ALL TEMPORARY DIVERSION DITCHES (TDD) ARE TRIANGULAR.
 TRACTIVE FORCE, τ, IS CALCULATED USING: $\tau = (\gamma)(D_{CHAN})(S_{CHAN})$

- WHERE:
- γ IS THE UNIT WEIGHT OF WATER (ASSUMED TO BE 62.4 LB/FT³)
 - D_{CHAN} IS THE DEPTH OF FLOW IN THE CHANNEL (FT/FT)
 - S_{CHAN} IS THE SLOPE OF THE CHANNEL (FT/FT)

RIP RAP DISSIPATER CALCULATIONS 10-YEAR STORM									
OUTLET ID	PIPE DIAMETER (IN)	PIPE VELOCITY (FPS)	STONE CLASS	STONE DEPTH (IN)	STONE MATERIAL (TONS)	GEO-TEXTILE (SY)	START WIDTH (FT)	END WIDTH (FT)	LENGTH (FT)
FES 100	18	6.40	B	12	2	7	3	9	6
FES 125	24	3.36	B	12	3	11	4	12	8
FES OS 100	24	2.99	B	12	3	11	4	12	8
FES 110	15	3.65	B	12	2	7	WOD	WOD	5
FES 120	15	2.45	B	12	2	7	WOD	WOD	5
EW 101	36	4.69	I	18	13	30	6	18	12
FES OS 200	18	1.12	B	12	2	7	3	9	6
FES 203	18	2.53	B	12	2	7	3	9	6
FES 300	36	3.54	I	18	10	23	6	18	12
FES OS 300	24	8.21	I	18	4	12	4	12	8
FES 400	24	3.26	B	12	3	11	4	12	8
FES OS 400	24	6.40	B	12	3	11	4	12	8
FES 410	18	3.71	B	12	2	7	3	9	6
FES 420	15	0.49	B	12	2	7	WOD	WOD	5
FES 500	30	5.26	B	12	5	16	5	15	10
FES OS 500	24	3.88	B	12	3	11	4	12	8
FES 602	18	4.12	B	12	3	10	WOD	WOD	6
EW 610	54 (DBL)	7.33	I	18	40	75	16	16	40

CALCULATIONS WERE DETERMINED FROM NCDOT DETAIL 876.02 GUIDE FOR RIP RAP AT PIPE OUTLETS
 VALUES SHOWN IN TABLE ABOVE ARE MINIMUM QUANTITIES AND DIMENSIONS
 WOD IS ABBREVIATION FOR WIDTH OF DITCH
 DBL IS DOUBLE BARELL PIPE

10-YEAR EROSION & SEDIMENT CONTROL PERMANENT DIVERSION DITCH CALCULATIONS (3:1 SIDE SLOPES)								
PDD #	DRAINAGE AREA (AC)	AVERAGE SLOPE (%)	WIDTH (FT)	DEPTH (FT)	V ₁₀ (FT/S)	CALCULATED τ (LBS/FT ²)	RECOMMENDED LINER	LINER ALLOWABLE τ (LBS/FT ²)
1	2.88	2.71	11	1.5	5.32	2.54	STRAW/COIR, 2 NETS	2.60
2	0.82	8.84	14	2	5.55	11.03	NORTH AM. GREEN P550, VEGETATED	12.50
3	1.33	3.67	20	3	4.76	6.87	PROFILE/ENKAMAT, 7018	7.00
4	0.12	0.56	8	1	1.16	0.35	AM. EXCELSOR CO.; CURLEX II.73; 2 NETS	1.75
5	0.70	4.29	11	1.5	4.07	4.02	PROFILE/ENKAMAT, 7003 (BFM)	5.00
6	1.80	2.42	11	1.5	4.42	2.27	STRAW/COIR, 2 NETS	2.60
7	0.93	3.99	11	1.5	4.34	3.74	PROFILE/ENKAMAT, 7003 (BFM)	5.00
8	1.58	2.95	11	1.5	4.63	2.76	PROFILE/ENKAMAT, 7003 (BFM)	5.00
9	2.34	4.83	11	1.5	7.07	4.52	PROFILE/ENKAMAT, 7003 (BFM)	5.00

NOTE: ALL PERMANENT DIVERSION DITCHES (PDD) ARE TRAPEZOIDAL.
 TRACTIVE FORCE, τ, IS CALCULATED USING: $\tau = (\gamma)(D_{CHAN})(S_{CHAN})$

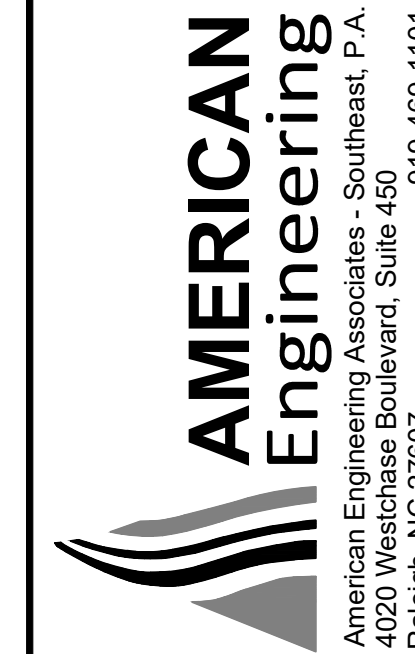
WHERE:

- γ IS THE UNIT WEIGHT OF WATER (ASSUMED TO BE 62.4 LB/FT³)
- D_{CHAN} IS THE DEPTH OF FLOW IN THE CHANNEL (FT/FT)
- S_{CHAN} IS THE SLOPE OF THE CHANNEL (FT/FT)

PLEASE SEE PERMANENT DITCH NOMENCLATURE ON GRADING ENLARGEMENT SHEETS WITHIN THE PLANSET.

SSWR - STRUCTURE TABLE			
STRUCTURE NAME:	DESCRIPTION	PIPES IN:	PIPES OUT
MH 208	SSWR MH 4' RIM = 345.16 INV IN = 334.53	8" PVC INV.=334.53	
MH 2081	SSWR MH 4' RIM = 346.57 INV IN = 335.99 INV OUT = 335.79	8" PVC INV.=335.99	8" PVC INV.=335.79
MH 2082	SSWR MH 4' RIM = 347.52 INV IN = 338.24 INV OUT = 338.04	8" PVC INV.=338.24	8" PVC INV.=338.04
MH 2083	SSWR MH 4' RIM = 347.50 INV IN = 340.17 INV OUT = 339.97	8" PVC INV.=340.17	8" PVC INV.=339.97
MH 2084	SSWR MH 4' RIM = 348.65 INV IN = 341.01 INV OUT = 340.81	8" PVC INV.=341.01	8" PVC INV.=340.81
MH 2085	SSWR MH 4' RIM = 352.24 INV IN = 341.94 INV OUT = 341.74	8" PVC INV.=341.94	8" PVC INV.=341.74
MH 2086	SSWR MH 4' RIM = 354.04 INV IN = 342.75 INV OUT = 342.55	8" SDR 26 INV.=342.75	8" PVC INV.=342.55
MH 2087	SSWR MH 5' RIM = 362.30 INV IN = 345.06 INV IN = 343.50 INV OUT = 343.30	8" SDR 26 INV.=345.06 8" SDR 26 INV.=343.50	8" SDR 26 INV.=343.30
MH 2088	SSWR MH 5' RIM = 363.68 INV IN = 345.20 INV IN = 345.20 INV OUT = 344.54	8" SDR 26 INV.=345.20 8" DIP INV.=345.20	8" SDR 26 INV.=344.54
MH 2089	SSWR MH 4' RIM = 357.54 INV IN = 349.32 INV OUT = 349.12	8" PVC INV.=349.32	8" SDR 26 INV.=349.12
MH 2090	SSWR MH 4' RIM = 357.70 INV IN = 351.18 INV OUT = 350.98	8" PVC INV.=351.18	8" PVC INV.=350.98
MH 2091	SSWR MH 5' RIM = 368.52 INV IN = 356.32 INV OUT = 356.02	8" SDR 26 INV.=356.32	8" PVC INV.=356.02
MH 2092	SSWR MH 4' RIM = 367.80 INV IN = 357.02 INV OUT = 356.82	8" PVC INV.=357.02	8" SDR 26 INV.=356.82
MH 2093	SSWR MH 4' RIM = 366.85 INV IN = 357.69 INV OUT = 357.49	8" PVC INV.=357.69	8" PVC INV.=357.49
MH 2094	SSWR MH 4' RIM = 366.59 INV IN = 358.90 INV OUT = 358.70	8" PVC INV.=358.90	8" PVC INV.=358.70
MH 2095	SSWR MH 4' RIM = 367.73 INV IN = 359.71 INV IN = 359.51 INV OUT = 359.31	8" PVC INV.=359.71 8" PVC INV.=359.51	8" PVC INV.=359.31
MH 2096	SSWR MH 4' RIM = 373.78 INV IN = 363.42 INV IN = 364.03 INV OUT = 362.33	8" PVC INV.=363.42 8" PVC INV.=364.03	8" PVC INV.=362.33
MH 2097	SSWR MH 4' RIM = 381.39 INV IN = 372.29 INV OUT = 372.09	8" PVC INV.=372.29	8" PVC INV.=372.09
MH 2098	SSWR MH 4' RIM = 388.87 INV IN = 377.92 INV OUT = 377.67	8" PVC INV.=377.92	8" PVC INV.=377.67
MH 2099	SSWR MH 4' RIM = 387.14 INV IN = 378.78 INV OUT = 378.58	8" PVC INV.=378.78	8" PVC INV.=378.58
MH 2100	SSWR MH 4' RIM = 386.29 INV OUT = 379.34		8" PVC INV.=379.34
MH 2110	SSWR MH 4' RIM = 375.00 INV IN = 366.12 INV OUT = 365.92	8" PVC INV.=366.12	8" PVC INV.=365.92
MH 2111	SSWR MH 4' RIM = 374.79 INV IN = 367.08 INV OUT = 366.88	8" PVC INV.=367.08	8" PVC INV.=366.88
MH 2112	SSWR MH 4' RIM = 374.00 INV OUT = 367.56		8" PVC INV.=367.56
MH 2200	SSWR MH 4' RIM = 368.37 INV IN = 361.77 INV IN = 360.27 INV OUT = 360.07	8" PVC INV.=361.77 8" PVC INV.=360.27	8" PVC INV.=360.07

SSWR - STRUCTURE TABLE			
STRUCTURE NAME:	DESCRIPTION	PIPES IN:	PIPES OUT
MH 2201	SSWR MH 4' RIM = 372.52 INV IN = 364.50 INV OUT = 362.80	8" PVC INV.=364.50	8" PVC INV.=362.80
MH 2202	SSWR MH 4' RIM = 377.50 INV IN = 365.86 INV IN = 366.45 INV OUT = 365.66	8" SDR 26 INV.=365.86 8" PVC INV.=366.45	8" PVC INV.=365.66
MH 2203	SSWR MH 5' RIM = 387.82 INV OUT = 369.38		8" SDR 26 INV.=369.38
MH 2204	SSWR MH 4' RIM = 379.49 INV OUT = 366.88		8" PVC INV.=366.88
MH 2300	SSWR MH 4' RIM = 373.31 INV IN = 366.20 INV OUT = 366.00	8" PVC INV.=366.20	8" PVC INV.=366.00
MH 2301	SSWR MH 4' RIM = 375.81 INV IN = 368.57 INV OUT = 368.37	8" PVC INV.=368.57	8" PVC INV.=368.37
MH 2302	SSWR MH 4' RIM = 376.97 INV IN = 369.64 INV OUT = 369.44	8" PVC INV.=369.64	8" PVC INV.=369.44
MH 2303	SSWR MH 4' RIM = 377.58 INV IN = 370.14 INV IN = 370.50 INV OUT = 369.94	8" PVC INV.=370.14 8" PVC INV.=370.50	8" PVC INV.=369.94
MH 2304	SSWR MH 4' RIM = 380.19 INV IN = 372.33 INV OUT = 371.27	8" SDR 26 INV.=372.33	8" PVC INV.=371.27
MH 2305	SSWR MH 4' RIM = 378.75 INV IN = 371.92 INV OUT = 370.72	8" PVC INV.=371.92	8" PVC INV.=370.72
MH 2306	SSWR MH 4' RIM = 378.50 INV OUT = 372.45		8" PVC INV.=372.45
MH 2307	SSWR MH 5' RIM = 391.23 INV IN = 377.89 INV OUT = 377.69	8" SDR 26 INV.=377.89	8" SDR 26 INV.=377.69
MH 2308	SSWR MH 4' RIM = 383.68 INV OUT = 380.00		8" SDR 26 INV.=380.00
MH 2406	SSWR MH 6' RIM = 370.35 INV IN = 346.56 INV OUT = 346.36	8" DIP INV.=346.56	8" DIP INV.=346.36
MH 2407	SSWR MH 6' RIM = 369.82 INV IN = 347.39 INV OUT = 347.19	8" DIP INV.=347.39	8" DIP INV.=347.19
MH 2408	SSWR MH 5' RIM = 367.77 INV IN = 350.46 INV IN = 348.66 INV OUT = 348.46	8" SDR 26 INV.=350.46 8" SDR 26 INV.=348.66	8" DIP INV.=348.46
MH 2409	SSWR MH 5' RIM = 374.76 INV OUT = 357.25		8" SDR 26 INV.=357.25
MH 2410	SSWR MH 4' RIM = 359.99 INV IN = 349.74 INV OUT = 349.54	8" PVC INV.=349.74	8" SDR 26 INV.=349.54
MH 2411	SSWR MH 4' RIM = 358.00 INV OUT = 350.47		8" PVC INV.=350.47
MH 2500	SSWR MH 4' RIM = 363.57 INV IN = 352.85 INV OUT = 352.65	8" PVC INV.=352.85	8" SDR 26 INV.=352.65
MH 2501	SSWR MH 4' RIM = 367.90 INV IN = 359.70 INV OUT = 359.50	8" PVC INV.=359.70	8" PVC INV.=359.50
MH 2502	SSWR MH 4' RIM = 370.88 INV IN = 361.52 INV OUT = 361.32	8" PVC INV.=361.52	8" PVC INV.=361.32
MH 2503	SSWR MH 4' RIM = 373.79 INV OUT = 364.20		8" PVC INV.=364.20



NO.	DATE	REVISION:
1	02/03/2025	CONSTRUCTION INFRASTRUCTURE DRAWING SUBMITTAL #1

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THE PRESERVE AT MOODY FARM
 CID-24-09
 ROLESVILLE ROAD
 WAKE COUNTY, NC

JOB NUMBER: 21-002
CHECKED BY: JK
DRAWN BY: RC & SM
DATE: 02/03/2025
SHEET TITLE: SCHEDULE
SHEET NO.: C7.0

Public Sewer Collection / Extension System <small>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.</small>	Public Water Distribution / Extension System <small>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.</small>
City of Raleigh Public Utilities Department Permit #	City of Raleigh Public Utilities Department Permit #

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