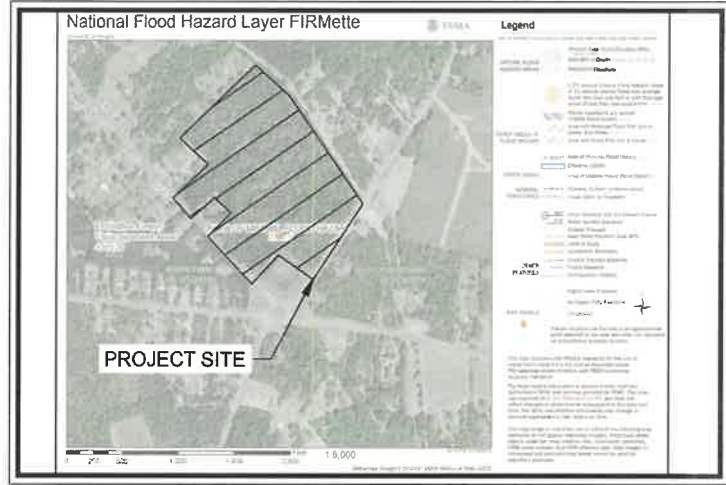


Drawing name: K:\COLL_PRJ\Projects\016463 M & L Construction\000 0 Wood Trail Single Family\02 - DWG\PlanSheets\C0-00 COVER SHEET Dec 05, 2024 8:13am by: Sydney Hamblin
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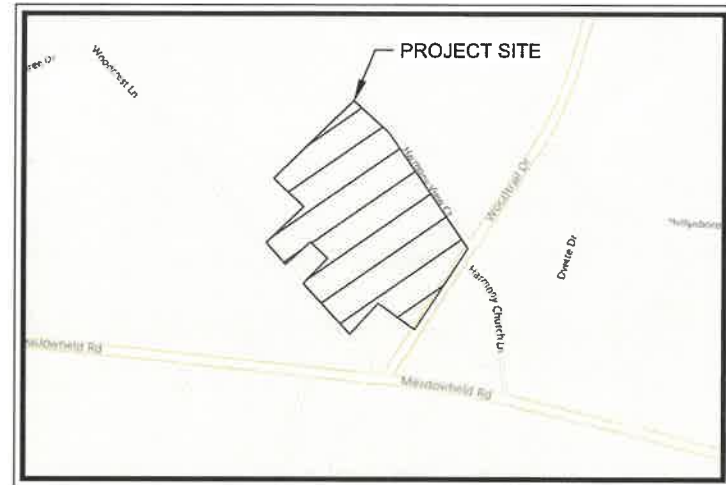
CIVIL CONSTRUCTION DRAWINGS
FOR
WOODTRAIL FARMS
0 WOODTRAIL DR., GASTON, SC 29053



FEMA MAP

THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD HAZARD AREA PER FIRM
PANEL 45063C0383J & 45063C0384J DATED 07/05/2018.

TAX MAP NUMBER: 009900-03-028
ZONING: RD (RESTRICTIVE DEVELOPMENT)
GASTON, LEXINGTON COUNTY, SOUTH CAROLINA
PROPERTY AREA = 25.02 ACRES
TOTAL DISTURBED AREA = 1.8 ACRES
IMPERVIOUS AREA = 1.55 ACRES (6.2%)
PERVIOUS AREA = 23.47 ACRES (93.8%)



VICINITY MAP

N.T.S.

PROJECT CONTACTS

OWNER: M & L GENERAL CONSTRUCTION INC.
1225 RIDGEWAY RD.,
LUGOFF, SC 29078
PHONE: (803) 223.1144
CONTACT: JORGE LANDAVERDE
EMAIL: MANDLCONSTRUCTION@HOTMAIL.COM

CIVIL ENGINEER: KIMLEY-HORN & ASSOCIATES, INC.
802 GERVAIS STREET, SUITE 201
COLUMBIA, SC 29201
PHONE: 803.881.1258
CONTACT: SEAN WILSON, P.E.
EMAIL: SEAN.WILSON@KIMLEY-HORN.COM

SURVEYOR: WHITE LAW FIRM & LAND SURVEYING
3103 LEAPHART ROAD
WEST COLUMBIA, SC 29169
PHONE: (803) 796-7007
CONTACT: ARTHUR E. WHITE JR., R.L.S.
EMAIL: ART@LANDANDLEGAL.COM

PROJECT NARRATIVE:

THE PROJECT LOCATED AT 0 WOODTRAIL DRIVE CONSISTS OF THE INFRASTRUCTURE ELEMENTS REQUIRED TO SUPPORT THE SUBDIVISION OF THE PARCEL INTO 13 SINGLE FAMILY PROPERTIES. CONSTRUCTION ELEMENTS INCLUDE ACCESS DRIVEWAYS, AND REQUIRED DRIVEWAY CULVERTS.

NOTES:

- ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
- IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE **CONTRACTOR** MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
- THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING HAVE BEEN MET. THE ONUS IS ON THE OWNER/DEVELOPER/ BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.

CIVIL SHEET INDEX		
REVISION	SHEET NUMBER	SHEET TITLE
	C0-00	COVER SHEET
	C0-01	GENERAL NOTES
	-	SURVEY
	C1-00	EXISTING CONDITIONS AND DEMOLITION PLAN
	C2-00	SITE PLAN (PHASE 1)
	C2-01	SITE PLAN (FUTURE PHASE BY OTHERS)
	C3-00	GRADING AND DRAINAGE PLAN
	C3-55	SCDOT DRIVEWAY PLAN AND PROFILE
	C3-56	SCDOT DRIVEWAY PLAN AND PROFILE
	C5-00	EROSION CONTROL NOTES
	C5-10	EROSION CONTROL PLAN (PHASE 1)
	C5-11	EROSION CONTROL PLAN (FUTURE PHASE BY OTHERS)
	C5-50	EROSION CONTROL DETAILS
	C5-61	EROSION CONTROL DETAILS
	C5-82	EROSION CONTROL DETAILS

APPLICANT CERTIFICATION:

I (WE) HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND I (WE) ARE RESPONSIBLE FOR THE LAND DISTURBANCE AND RELATED MAINTENANCE THEREOF. LEXINGTON COUNTY AUTHORITIES WILL BE ALLOWED TO ENTER THE PROJECT SITE FOR THE PURPOSES OF ON-SITE INSPECTIONS.

[Signature] 12/04/2024

DESIGNER CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN IS DESIGNED TO CONTAIN SOIL ON THE PROPERTY CONCERNED TO THE MAXIMUM EXTENT, TO PROVIDE FOR THE PROTECTION OF THE PROPERTY AND THE PROPOSED IMPROVEMENTS THEREON FROM THE EFFECTS OF FLOODING, TO PROVIDE FOR THE CONTROL OF THE RUNOFF FROM THE PROPERTY, AND THAT ALL THE PROVISIONS FOR SEDIMENT CONTROL AND STORM DRAINAGE ARE IN ACCORDANCE WITH THE STORMWATER MANAGEMENT AND SEDIMENT CONTROL ORDINANCE FOR LEXINGTON COUNTY, SOUTH CAROLINA.

[Signature] 12/04/2024

SWPPP CERTIFICATION:

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1876 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

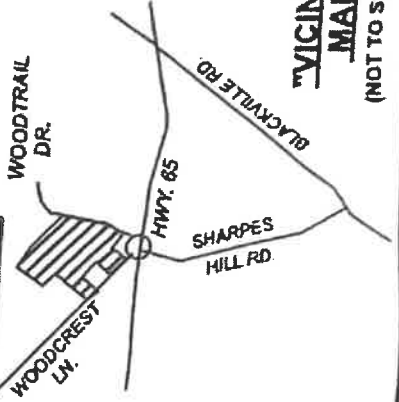
APPROVED
[Signature]
DEC 13 2024
**LEXINGTON COUNTY
LAND DEVELOPMENT**



PROJECT:	WOODTRAIL FARMS	TITLE:	COVER SHEET
DATE:	02/16/2024	PROJECT NO.:	016469000
SHEET NUMBER:	C0-00	DATE:	
BY:		DATE:	
REVISIONS:		DATE:	
3	JURISDICTION REVISIONS	12-04-2024	SMW
2	JURISDICTION REVISIONS	10-17-2024	SMW
1	ISSUED FOR CONSTRUCTION	07-25-2024	SMW
0	ISSUED FOR PERMIT REVIEW	02-16-2024	SMW
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 802 GERVAIS STREET, SUITE 201 COLUMBIA, SC 29201 PHONE (803) 404-8658 WWW.KIMLEY-HORN.COM			
KIMLEY-HORN AND ASSOCIATES, INC.			
SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C00166 EXPIRATION DATE 12/31/2024			
SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C00166 EXPIRATION DATE 12/31/2024			
SCALE:	AS SHOWN	ETM	SMW
DRAWN BY:	ETM	SMW	SMW
DESIGNED BY:	SMW	SMW	SMW
CHECKED BY:	SMW	SMW	SMW
CLIENT:	M & L GENERAL CONSTRUCTION INC. 1225 RIDGEWAY RD., LUGOFF, SC 29078 PHONE: 803.223.1144		

PROJECT:	WOODTRAIL FARMS	TITLE:	GENERAL NOTES
DATE	02/16/2024		
PROJECT NO.	016469000		
SHEET NUMBER	C0-01		

"SITE"

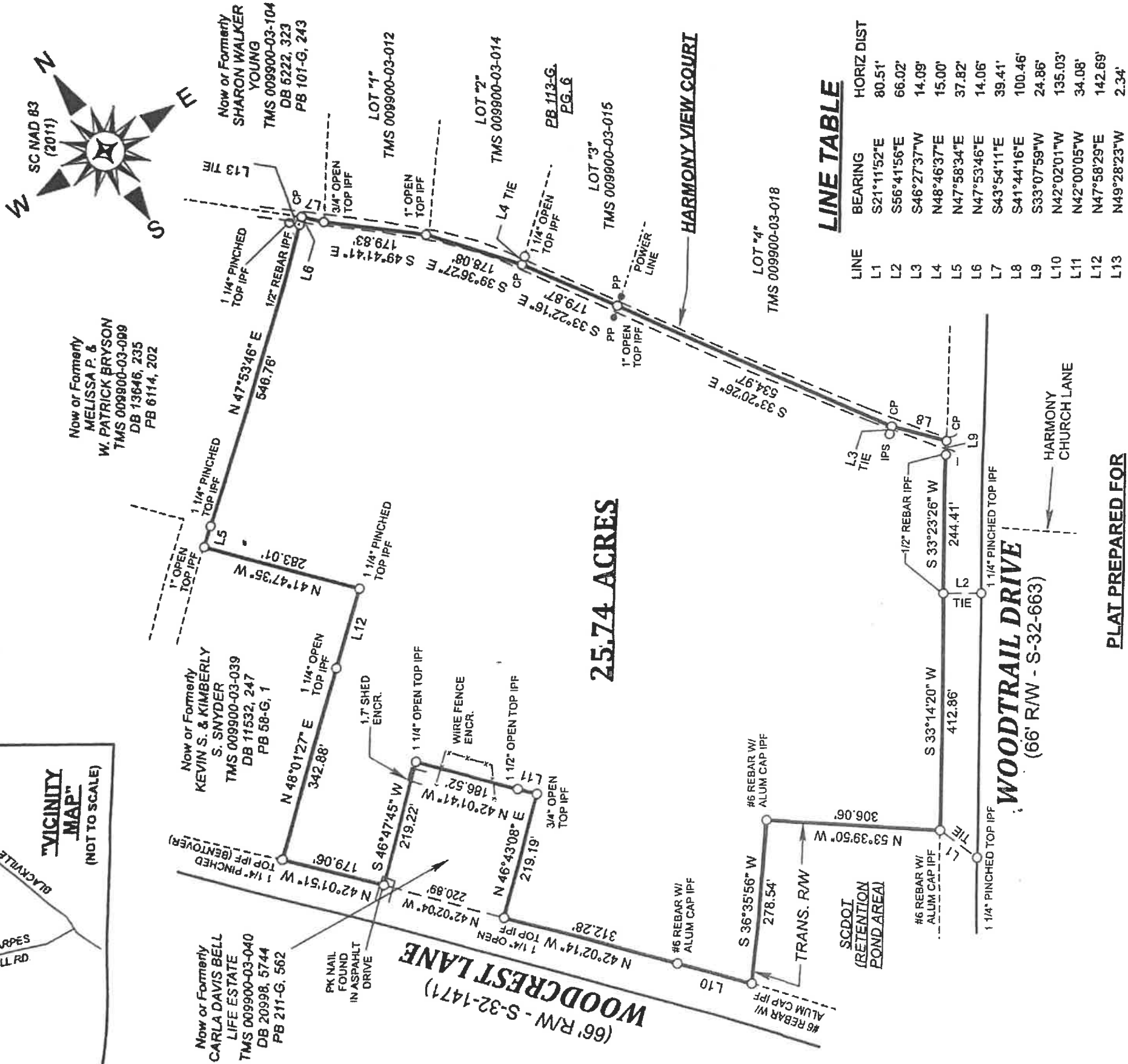


**"VICINITY
MAP"**
(NOT TO SCALE)

I HAVE GRAPHICALLY DETERMINED FROM THE FEDERAL
EMERGENCY MANAGEMENT AGENCY INSURANCE RATE
MAP; AND TO THE BEST OF MY KNOWLEDGE AND BELIEF,
THE SUBJECT PROPERTY IS NOT LOCATED IN A SPECIAL
FLOOD HAZARD ZONE A, B, or V.
F.I.R.M. PANEL # 45063C-0383-J & 384-J
DATED: JULY 5, 2018

LEGEND

IPF = IRON PIN FOUND
IPS = IRON PIN SET
Note: Unlabeled corners are
4 1/2" rebar set.
PP = POWER POLE
CP = COMPUTED POINT



LINE TABLE

LINE	BEARING	HORIZ DIST
L1	S21°11'52"E	80.51'
L2	S56°41'56"E	66.02'
L3	S46°27'37"W	14.09'
L4	N48°46'37"E	15.00'
L5	N47°58'34"E	37.82'
L6	N47°53'46"E	14.06'
L7	S43°54'11"E	39.41'
L8	S41°44'16"E	100.46'
L9	S33°07'59"W	24.86'
L10	N42°02'01"W	135.03'
L11	N42°00'05"W	34.08'
L12	N47°58'29"E	142.69'
L13	N49°28'23"W	2.34'

PLAT PREPARED FOR

EDWARD & AMY STURKIE

LEXINGTON COUNTY, NEAR GASTON, S.C.

DATE: MAY 16, 2022

SCALE 1" = 200'

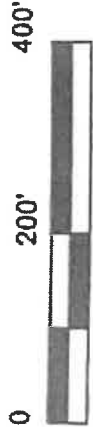
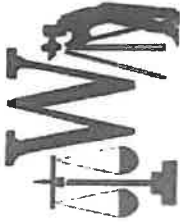
NOTES / REFERENCES:

Tax Map Sheet No. - PART OF 009900-03-028
Deed book: 12397, 310
Plat book: 15206, 206

THE HEREON IS SUBJECT TO ANY AND ALL CONDITIONS, RESTRICTIONS, EASEMENTS AND / OR RIGHTS OF WAY OF RECORD.
ONLY THE LISTED DOCUMENTS SHOWN HEREON WERE CONSIDERED A PART OF THIS SURVEY.

**WHITE LAW FIRM &
LAND SURVEYING**

3103 Leaphart Road
West Columbia, SC 29169
PHONE (803) 796-7007
art@landandlegal.com

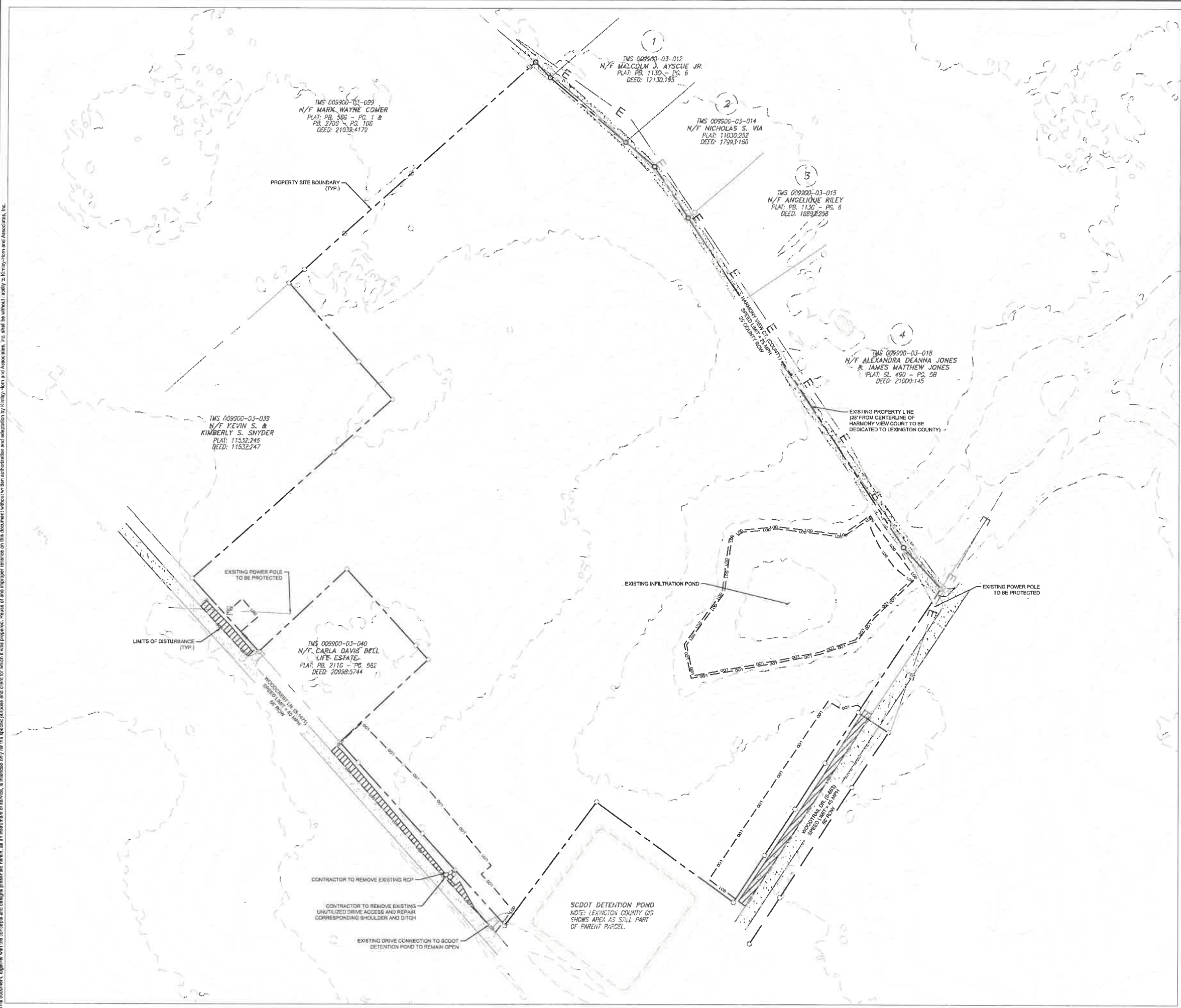


JOB: WOODCREST
DRAWN BY: T. PLATT

I HEREBY STATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION
AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE
REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN
SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "B"
SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR
PROJECTIONS OTHER THAN SHOWN.

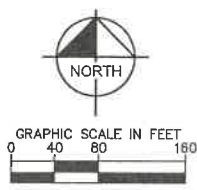
SC Professional Land Surveyor # 14196
Arthur E. White, Jr.

Drawing name: K:\COLO_PRJ\Projects\016469 M & L Construction\000 0 Wood Trail Single Family\02 - DWG\PlanSheets\C1-00 - EX COND AND DEMO PLAN.dwg C:\00 EXISTING CONDITIONS AND DEMOLITION PLAN Dec 05, 2024 8:13am By: Sydney Hamblin
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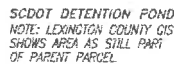
- ### EXISTING CONDITIONS AND DEMOLITION NOTES:
- EXISTING CONDITIONS SHOWN HEREON ARE FROM A SURVEY FILE PROVIDED BY WHITE LAW FIRM & LAND SURVEYING DATED 05/16/2022.
 - UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
 - WHERE EXISTING RUNOFF LEAVES THE SITE IN A SHEET FLOW CONDITION, RUNOFF SHALL LEAVE THE SITE IN A SHEET FLOW CONDITION AFTER DEVELOPMENT.
 - RECEIPT OF ALL PERMITS AND APPROVALS IS REQUIRED BEFORE ANY CONSTRUCTION ACTIVITY.
 - EXISTING SOIL SERIES IS FaB, LAB, & VaC FOR ENTIRE DISTURBED AREA.
 - CONTRACTOR TO FOLLOW LEXINGTON COUNTY LANDSCAPE AND OPEN SPACE ORDINANCE GUIDELINES TO IDENTIFY TROPHY TREES AND MATURE TREES FOR PROTECTION BEFORE BEGINNING CLEARING ACTIVITIES.
 - TREES TO REMAIN MUST BE PROTECTED DURING DEMOLITION AND CONSTRUCTION PHASE. REFERENCE TREE PROTECTION AND REPLACEMENT PLANS FOR TREE REMOVAL AND PROTECTION (PREPARED BY OTHERS).
 - CONSTRUCTION FENCING OR SILT FENCE SHALL NOT OBSTRUCT TRAFFIC FLOW ON EXISTING STREETS UNLESS CLOSURE PERMIT IS OBTAINED.
 - CONTRACTOR SHALL CONTROL DUST LEAVING THE SITE DURING DEMOLITION AND CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE UTILITY DEMOLITION AND RELOCATION WITH APPROPRIATE UTILITY PROVIDER.
 - NO GRADED SLOPE SHALL EXCEED 2H:1V.
 - THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD HAZARD AREA PER FIRM PANEL 45063C0383J & 45063C0384J DATED 07/05/2018.
 - CONTRACTOR SHALL FOLLOW ALL PROCEDURES AND RECOMMENDATIONS FROM ENVIRONMENTAL ASSESSMENTS PROVIDED BY THE OWNER.
 - CONTRACTOR TO CLEAR TREES AS NEEDED WITHIN SITE DISTANCE TRIANGLES SHOWN ON SHEET C3-55 AND C3-56.

- ### DEMO PLAN LEGEND:
- PROPERTY LINE
 - LIMITS OF DISTURBANCE
 - EXISTING OVERHEAD ELECTRIC LINE
 - REMOVE EXISTING CONCRETE PAVEMENT
 - CLEARING AND GRUBBING OF EXISTING LANDSCAPING



PROJECT: WOODTRAIL FARMS		DATE: 02/16/2024	
TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN		PROJECT NO.: 016469000	
CLIENT: M & L GENERAL CONSTRUCTION INC. 1100 WOODBRIDGE LANE LUGOFF, SC 29078 PHONE: 803.223.1144		SHEET NUMBER: C1-00	
SCALE: AS SHOWN	DRAWN BY: ETM	DESIGNED BY: SWW	CHECKED BY: SWW
KIMLEY-HORN AND ASSOCIATES, INC. 802 COLUMBIA STREET, SUITE 201 COLUMBIA, SC 29201 WWW.KIMLEY-HORN.COM		JURISDICTION REVISIONS 3 12-04-2024 SWW 2 10-17-2024 SWW 1 07-25-2024 SWW 0 02-16-2024 SWW	
SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. 000106 12/17/2024		SOUTH CAROLINA No. 28945 12/17/2024	
BY: [Signature]		DATE: [Signature]	

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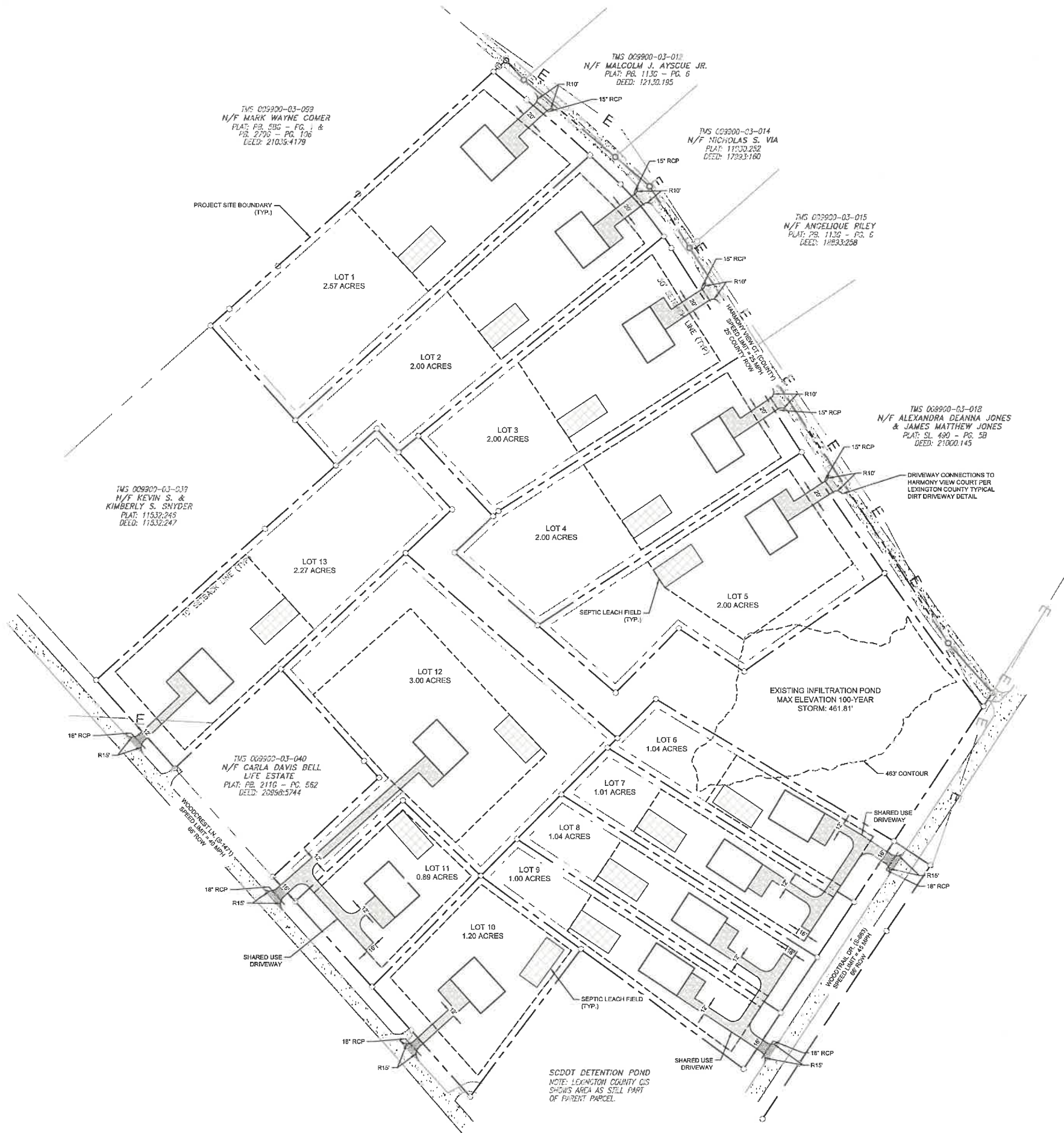
1. EXISTING CONDITIONS SHOWN HEREON ARE FROM A SURVEY FILE PRODUCED BY WHITE LAND FIRM & LAND SURVEYING, DATED 05/16/2022. CONSTRUCTION PLANS PREPARED FOR CONSTRUCTION OF THE REQUIRED IMPROVEMENTS SHALL BE SHOWN TO SHOW FOR INFORMATION ONLY. 2. THE INFILTRATION RATES USED FOR THE DESIGN WERE OBTAINED FROM EXISTING LEXINGTON COUNTY SOIL DATA. THE CONTRACTOR SHALL COMPLETE IN-SITU TESTING BY A GEOTECHNICAL ENGINEER TO ENSURE INFILTRATION RATES USED FOR THE DESIGN ARE SIMILAR TO THE ENGINEER IS TO BE NOTIFIED AFTER TESTING IF INFILTRATION RATES ARE NOT SIMILAR TO THE MODELED VALUES. 3. AREAS FOR INFILTRATION ARE TO REMAIN AS EXISTING. SOILS AND COMPACTION IS TO BE MAINTAINED IN THIS AREA TO ENSURE THE SOIL CHARACTERISTICS CONTINUE TO FUNCTION PRE-CONSTRUCTION AS MODELED.

 PROPERTY LINE
 SETBACK LINE
 PHASE 1 CLEARING LIMITS
 GRAVEL ACCESS DRIVE
 ASPHALT ACCESS DRIVE



PROJECT:	WOODTRAIL FARMS	SCALE:	AS SHOWN	  Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 602 COLUMBIA TRAIL, SUITE 201 COLUMBIA, SC 29201 PHONE (803) 404-8658 WWW.KIMLEY-HORN.COM	3	JURISDICTION REVISIONS	12-04-2024	SMW	
TITLE:	M & L GENERAL CONSTRUCTION INC. 1225 RIDGEWAY RD. LUGOFF, SC 29076 PHONE: 803.223.1144	DRAWN BY:	ETM		2	JURISDICTION REVISIONS	10-11-2024	SMW	
DATE		02/16/2024	DESIGNED BY:		SNW	1	ISSUED FOR CONSTRUCTION	07-25-2024	SMW
PROJECT NO.		016489000	CHECKED BY:		SMW	0	ISSUED FOR PERMIT REVIEW	02-16-2024	SMW
SHEET NUMBER		C2-00				No.	REVISIONS	DATE	BY

Drawing Name: K:\C00L_PRJ\Projects\016469 M & L Construction\000 0 Wood Trail Single Family\02 - DWG\Plans\Sheets\C2-01 - SITE PLAN.dwg C2-01 SITE PLAN Dec 05, 2024 8:14am by Sydney Hamblin
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DEVELOPMENT SUMMARY:

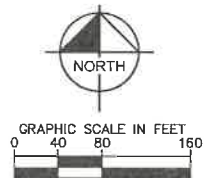
SITE SUMMARY:	
DWELLING FOOTPRINT:	3,500 SF (50'x70' FOOTPRINT)
SEPTIC LEACH FIELD:	2,900 SF
PRIVATE DRIVEWAY WIDTH:	12' WIDE
SHARED USE DRIVEWAY WIDTH:	16' WIDE
PARKING COURT:	25'x30' FOOTPRINT
CURRENT ZONING:	RD (RESTRICTIVE DEVELOPMENT)
SITE AREA:	25.74 ACRES
TOTAL DISTURBED AREA:	1.8 ACRES
IMPERVIOUS AREA:	1.55 ACRES (6.2%)
PERVIOUS AREA:	23.47 ACRES (93.8%)
BUILDING SETBACK:	
FRONT:	30 FT
SIDE:	10 FT

SITE NOTES:

- EXISTING CONDITIONS SHOWN HEREON ARE FROM A SURVEY FILE PROVIDED BY WHITE LAW FIRM & LAND SURVEYING, DATED 05/16/2022.
- CONSTRUCTION PLANS PREPARED FOR CONSTRUCTION OF THE REQUIRED INFRASTRUCTURE. FUTURE PHASE PLANS SHOWN FOR INFORMATION ONLY TO AID IN STORMWATER CALCULATIONS. INDIVIDUAL LOT GRADING AND PERMITTING TO BE COMPLETED BY OTHERS AT A FUTURE DATE.
- THE INFILTRATION RATES USED FOR THE STORMWATER POND WERE TAKEN FROM EXISTING LEXINGTON COUNTY SOIL DATA. THE CONTRACTOR SHALL COMPLETE IN-SITU TESTING BY A GEOTECHNICAL ENGINEER TO ENSURE INFILTRATION RATES ARE SIMILAR TO THE MODELED VALUES. THE ENGINEER IS TO BE NOTIFIED AFTER TESTING IF INFILTRATION RATES ARE NOT SIMILAR TO THE MODELED VALUES.
- AREAS FOR INFILTRATION ARE TO REMAIN AS RESIDUAL SOILS AND COMPACTION IS TO BE LIMITED IN THIS AREA TO ENSURE THE SOIL CHARACTERISTICS CONTINUE TO FUNCTION PRE-CONSTRUCTION AS MODELED.
- GRADING OF LOTS AND CONSTRUCTION OF DRIVEWAY CONNECTIONS TO HARMONY VIEW COURT WILL REQUIRE GRADING PLAN AND PROFILES, SITE DISTANCE TRIANGLES, AND ENCROACHMENT PERMITS WITH LEXINGTON COUNTY.

SITE PLAN LEGEND:

---	PROPERTY LINE
---	SETBACK LINE
---	FUTURE PHASE 2 CLEARING LIMITS (BY OTHERS)
■	GRAVEL ACCESS DRIVE
■	ASPHALT ACCESS DRIVE
■	SEPTIC LEACH FIELD



PROJECT:	WOODTRAIL FARMS	CLIENT:	M & L GENERAL CONSTRUCTION INC. 1225 RIDGEWAY RD., LUGOFF, SC 29078 PHONE: 803.223.1144	DATE:	02/16/2024
TITLE:	SITE PLAN (FUTURE PHASE BY OTHERS)	DESIGNED BY:	SMW	PROJECT NO.:	015469000
PROJECT:	WOODTRAIL FARMS	CHECKED BY:	SMW	SHEET NUMBER:	C2-01
JURISDICTION REVISIONS	3	DATE	12-04-2024	BY	SMW
JURISDICTION REVISIONS	2		10-17-2024		SMW
ISSUED FOR CONSTRUCTION	1		07-25-2024		SMW
ISSUED FOR PERMIT REVIEW	0		02-16-2024		SMW
REVISIONS	NO				

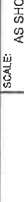
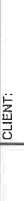
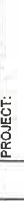
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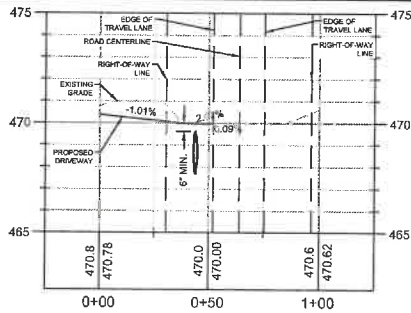
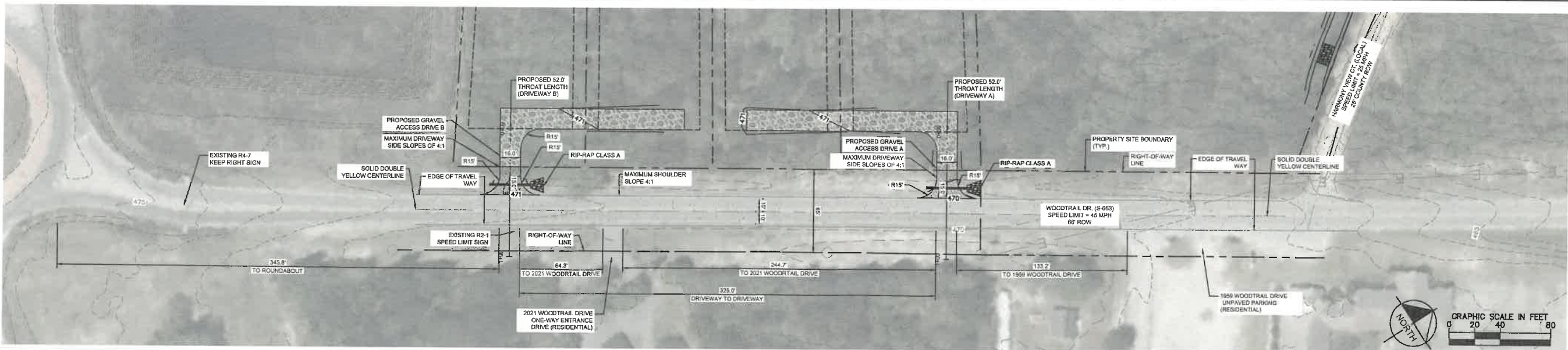


1. SITE AREA: 25.02 ACRES
DISTURBED AREA: 1.8 ACRES
2. ALL GRADE SPOT GRADES ARE TO PAVEMENT/GRAVEL GRADE UNLESS OTHERWISE NOTED.
3. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
4. THIS PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 45063C0383J & 45063C0384J, DATED 07/05/2018.
5. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
6. NO GRADED SLOPE SHALL EXCEED 2H:1V
7. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL BE DESIGNED AND PERMITTED BY AN ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA.
8. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL HAVE FALL PROTECTION THROUGH FENCING OR HANDRAIL AT A MINIMUM OF 42" TALL. REFERENCE LANDSCAPE PLANS FOR DETAILS.
9. RIPRAP OUTLET PROTECTION PER SCDOT 804-305-02 AND 804-305-03.
10. GRADING AND DRAINAGE PLANS SHOWN FOR REQUIRED INFRASTRUCTURE ONLY. INDIVIDUAL LOT GRADING AND DRAINAGE TO BE COMPLETED BY OTHERS DURING A FUTURE PHASE.
11. ALL CONCRETE PIPE SHALL BE A MINIMUM CLASS III WITH 18" MINIMUM COVER, WHEN 18" MINIMUM COVER CANNOT BE ACHIEVED, DRIVEWAY CONCRETE PIPE SHALL BE CLASS IV WITH A MINIMUM COVER OF 6" UNDER DRIVEWAYS. REFERENCE SCDOT STANDARD DRAWINGS 714-205 FOR HAZARD GUIDANCE.

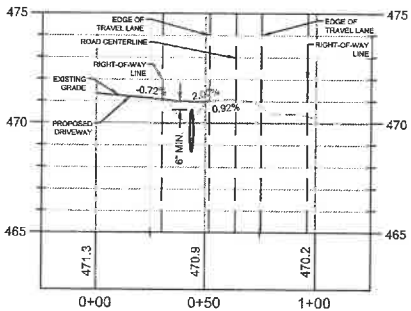
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED STORM PIPE
	DRAINAGE FLOW ARROW



PROJECT:	WOODTRAIL FARMS		CLIENT:	M & L GENERAL CONSTRUCTION INC. 10000 WOODTRAIL RD. LUGOFF, SC 29078 PHONE: 803.223.1144		TITLE:	GRADING AND DRAINAGE PLAN	
	DATE 02/16/2024			PROJECT NO. 016469000			SHEET NUMBER C3-00	
SCALE:			AS SHOWN					
DRAWN BY:			ETM					
DESIGNED BY:			SMWV					
CHECKED BY:			SMWV					
								



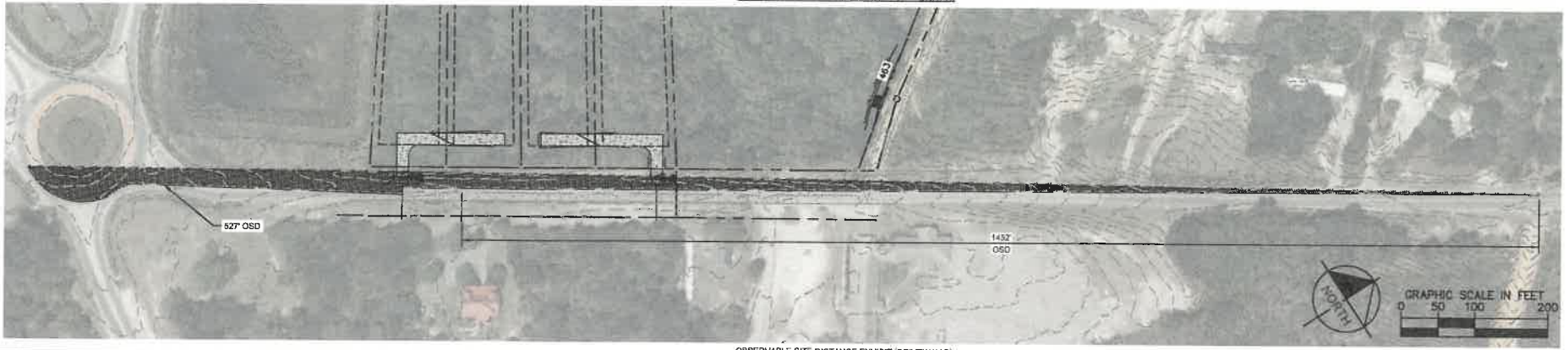
PROFILE VIEW
HCL - DRIVEWAY ACCESS A
1" = 40' HORZ.
1" = 4' VERT.



PROFILE VIEW
HCL - DRIVEWAY ACCESS B
1" = 40' HORZ.
1" = 4' VERT.



OBSERVABLE SITE DISTANCE EXHIBIT (DRIVEWAY A)



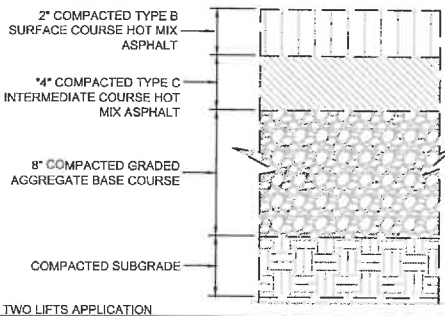
OBSERVABLE SITE DISTANCE EXHIBIT (DRIVEWAY B)

SCDOT NOTES:

SCDOT STANDARD NOTES:

1. THERE CAN BE NO WORK PERFORMED IN THE SCDOT R/W BEFORE AN ENCROACHMENT PERMIT HAS BEEN ISSUED AND A PRECONSTRUCTION MEETING HAS BEEN HELD. THE PROPERTY OWNER AND CONTRACTOR MUST SCHEDULE AND ATTEND THE PRECONSTRUCTION MEETING.
 2. ANY WORK PERFORMED BEFORE THE PRECONSTRUCTION MEETING WILL HAVE TAKEN PLACE WITHOUT SCDOT KNOWLEDGE, OVERSIGHT, AND CONSENT AND SHALL BE SUBJECT TO REMOVAL BY THE APPLICANT AND/OR AT THE APPLICANT'S EXPENSE.
 3. ANY REVISIONS TO THIS APPROVED PLAN SET MUST HAVE PRIOR WRITTEN APPROVAL FROM SCDOT OR ARE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE.
 4. THE CONSTRUCTION ENTRANCE MUST BE ESTABLISHED AT THE LOCATION DESIGNATED IN THIS PLAN SET AND ACCORDING TO SCDOT TYPICAL 815-505-00. NO ADDITIONAL ENTRANCES OR LOCATIONS OTHER THAN SHOWN IN THIS PLAN SET ARE ALLOWED WITHOUT WRITTEN NOTICE FROM SCDOT. APPROVED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PROPERLY AND SHALL BE MAINTAINED AT ALL TIMES. KEEP ROADWAY PROTECTED AND SWEPT OFF AT ALL TIMES. ANY ADDITIONAL EXISTING DRIVEWAYS OR CONSTRUCTION ENTRANCES, IF ANY, SHALL BE REMOVED FROM SCDOT RIGHT-OF-WAY AT NO EXPENSE TO SCDOT.
 5. NO COUNTERSINKING ACTIVITIES SHALL BE PERFORMED WITHIN SCDOT R/W OR BRING FORTH WATER TO THE SCDOT RIGHT-OF-WAY BY DIRECT OR INDIRECT METHODS.
 6. POST DEVELOPMENT STORMWATER FLOW TO THIS SCDOT R/W CANNOT EXCEED PREDEVELOPMENT FLOW RATES AT ANY TIME FOR ANY REASON.
 7. THE APPLICANT IS SOLELY RESPONSIBLE FOR REPAIRS OF ANY AND ALL DAMAGE TO THE TRAVEL WAY DUE TO ANY WORK ALONG THE FRONTAGE OF THIS SITE. AT NO EXPENSE TO SCDOT AND ALL REPAIRS MUST MEET CURRENT SCDOT STANDARDS.
 8. ANY DAMAGE TO THE TRAVEL WAY WILL REQUIRE A FULL DEPTH ASPHALT PATCH AND TOTAL ROADWAY (ALL ADJACENT TRAVEL LANES) ASPHALT OVERLAY. PATCHES LARGER THAN EACH SIDE OF THE FULL DEPTH PATCH. ALL OF THIS WORK WILL BE SOLELY AT THE EXPENSE OF THE APPLICANT AND MUST MEET CURRENT SCDOT STANDARDS.
 9. BEFORE INSTALLATION OF ANY NEW DRIVEWAY, THE EXISTING TRAVEL EDGE MUST BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM EDGE ALONG THE MOUTH OF THE PROPOSED DRIVEWAY. CARE MUST BE TAKEN TO NOT TO DAMAGE THE LONG DITCH CUT. ANY DAMAGE TO THE TRAVEL WAY MUST BE REPAIRED AT THE APPLICANT'S EXPENSE.
 10. PAVEMENT SECTION IN THE SCDOT R/W SHALL BE, AT A MINIMUM:
 - a. 6 INCHES OF COMPACTED GABC
 - b. 4 INCHES OF COMPACTED TYPE B BINDER COURSE HOT MIX ASPHALT
 - c. 2 INCHES OF COMPACTED TYPE B SURFACE COURSE HOT MIX ASPHALTSEE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR SURFACE COURSE HOT MIX ASPHALT INSTALLATION TIME AND TEMPERATURE RESTRICTIONS AND THERMO PLASTIC TIME AND TEMPERATURE RESTRICTIONS, OR
 - d. 8 INCHES OF COMPACTED GABC
 - e. 4 INCHES OF 4,000 PSI CONCRETE
 - f. NO REINFORCEMENT BARS, REBAR, OR METAL OF ANY KIND IS PERMITTED
11. DRIVEWAY LANES SHALL BE A MINIMUM OF 12 FEET IN WIDTH MEASURED FROM EDGE TO EDGE OF ASPHALT.
12. DRIVEWAY RADIUS SHALL BE 30 FEET, UNLESS NOTED OTHERWISE ON THE SCDOT APPROVED PLANS.
13. PAVEMENT MARKINGS SHALL BE THERMO PLASTIC WITH REFLECTIVE RINGS PER SECTION 827 OF THE SCDOT STANDARD SPECIFICATIONS:
 - a. ALL WHITE MARKINGS SHALL BE 1/2 INCH MINIMUM THICKNESS
 - b. ALL YELLOW MARKINGS SHALL BE 90 MIL MINIMUM THICKNESS
14. ALL PERMANENT SIGNAGE SHALL BE INSTALLED ON BREAKAWAY POSTS PER SCDOT STANDARD DRAWING 651-119-00 AND SHALL HAVE A 7 VERTICAL FOOT CLEARANCE FROM THE GROUND TO THE BOTTOM OF THE SIGN.

15. DRIVEWAYS SHALL BE CONSTRUCTED TO HAVE A MINIMUM OF A 2 FOOT GRASED SHOULDER ON EACH SIDE OF THE DRIVEWAY THROAT.
16. DITCH SLOPES SHALL BE NO STEEPER THAN 3:1V.
17. ALL DRIVEWAY CURVES SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT TYPICAL 714-205-01 DETAIL 4 AND 5 WITH AN AASHTO M 815 RUBBER GASKET SEAL, ON PROPER GRADE TO ALLOW FOR POSITIVE STORM WATER FLOW WITHIN THE PIPE AND TO PROTECT ADJACENT PIPES/CROSS LINES.
18. ALL CURBSETS INSIDE OF THE SCDOT R/W ARE TO BE INSTALLED WITH BEVELLED ENDS PER SCDOT STANDARD DRAWING 715-610-00 AND SEALED PER SCDOT STANDARD DRAWING 714-205-02 AND CANNOT BE COVERED UNTIL AFTER AN INSPECTION BY THE SCDOT INSPECTOR ASSIGNED TO THE PROJECT AT THE REQUIRED SCDOT PRECONSTRUCTION MEETING.
19. LANE CLOSURES ARE REQUIRED FOR ALL WORK WITHIN ONE FOOT OF THE TRAVEL WAY. SEE SCDOT LOCAL MAINTENANCE WORK RESTRICTIONS FOR ADDITIONAL INFORMATION.
20. SHOULDER CLOSURES ARE REQUIRED FOR ALL WORK IN THE SCDOT R/W BEYOND ONE FOOT FROM THE TRAVEL WAY.
21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE ALL REQUIRED INSPECTIONS IN ADVANCE. IF WORK REQUIRING INSPECTION IS PERFORMED WITHOUT PRIOR NOTICE BEING GIVEN TO SCDOT, THAT INSTALLATION SHALL BE SUBJECT TO REMOVAL AT THE APPLICANT'S EXPENSE. SEVERAL MEANS OF CONTACT WILL BE GIVEN AT THE PRECONSTRUCTION MEETING, PERMIT TO OBTAIN CONTACT IS NOT AN APPROVAL TO PROCEED WITH ANY WORK.
22. NO VEGETATION INSTALLED ON PRIVATE PROPERTY SHALL BLOCK THIS SCDOT RIGHT-OF-WAY OR SIGN DISTANCES FOR MOTORISTS IMPRESS OR OBSCURE FROM APPROVED DRIVEWAYS AND OR ROADWAY INTERSECTIONS. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR KEEPING OFF-SITE LANDSCAPINGS PROPERLY MAINTAINED TO IMPROVE ALL SIGHT DISTANCES. THE PROPERTY OWNER SHALL ALSO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES TO SIDEWALK, DRIVEWAY OR ROADWAY, UTILITY, DRAINAGE OR OTHER STRUCTURES DAMAGED DUE TO THE INSTALLATION OR EXISTENCE OF OFF-SITE LANDSCAPING.
23. THE DEPARTMENT SHALL NOT BE RESPONSIBLE FOR DAMAGE TO ANY UTILITY STRUCTURES LOCATED WITHIN THE RIGHT-OF-WAY AS A RESULT OF ROUTINE HIGHWAY MAINTENANCE OPERATIONS. THESE STRUCTURES INCLUDE BUT ARE NOT LIMITED TO ANY METERS, VALVES, MANHOLES, ALL TYPE OF PESTALS AND UTILITY LINES (OVERHEAD AND/OR UNDERGROUND). THE APPLICANT SHOULD USE MECHANICAL METHODS TO CUT AND REMOVE THESE TYPE STRUCTURES TO INCREASE VISIBILITY FOR HIGHWAY MAINTENANCE WORKERS.
24. APPLICANT IS RESPONSIBLE FOR THE INSTALLATION AND SECURING OF ANY VALVE OR MANHOLE RISERS AS NEEDED.
25. THE DEPARTMENT SHALL BE HELD HARMLESS FROM AND AGAINST ANY AND ALL CLAIMS, DAMAGES AND LOSSES ASSOCIATED WITH WORK AS APPROVED UNDER THIS PERMIT APPLICATION. ANY SUCH DAMAGE CLAIMS RECEIVED BY THE DEPARTMENT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO PROCESS ACCORDINGLY. THE HOLD HARMLESS AGREEMENT SHALL BE FOR THE LIFE OF THE FACILITY, STRUCTURE(S) OR ENCROACHMENT AS IT REMAINS WITHIN PUBLIC RIGHT-OF-WAY.
26. APPLICANT IS RESPONSIBLE FOR THE REPAIR OF ANY TRAFFIC SIGNAL LOOPS/FARES/HEAD/CABINETS IF DAMAGED DUE TO THIS INSTALLATION. ALL WORK SHALL BE APPROVED UNDER THE DIRECTION OF THE SCDOT DISTRICT SIGNAL SHOP AND PERFORMED BY A SCDOT APPROVED SIGNAL CONTRACTOR, AT NO EXPENSE TO THE DEPARTMENT.
27. IF REQUIRED UNDER THE APPROVED SCDOT ENCROACHMENT PERMIT, A THIRD PARTY TESTER SHALL BE REQUIRED AT THE APPLICANT'S EXPENSE TO PERFORM COMPACTION ANALYSIS AND WITNESS A PASSING PROOF ROLL ON ALL SUB-GRADE, BASE, AND ASPHALT. ONE THIRD PARTY INSPECTOR SHALL TAKE DENSITY READINGS AT RANDOM STATION NUMBERS. A SECOND (2ND) THIRD PARTY INSPECTOR/TESTER SHALL BE AT THE ASPHALT PLANT TESTING THE ASPHALT AT THE TIME THAT SURFACE ASPHALT IS BEING PRODUCED AND PUT DOWN ON THE JOB. ONE CORE SAMPLE LOCATIONS TO BE DETERMINED BY THE THIRD PARTY INSPECTOR. ALL RESULTS TO BE SUBMITTED IN WRITING TO SCDOT FOR REVIEW THE FOLLOWING DAY. WRITTEN WORK RESTRICTIONS AND HOLIDAY WORK RESTRICTIONS MUST BE ADHERED TO. SEE PERMIT FOR MORE DETAILS.
28. AN INSPECTION DATE SHALL BE SET UP IN ADVANCE FOR WHICH THE INSPECTOR WILL COME OUT AND INSPECT THE SIDEWALK FORMS BEFORE POURING CONCRETE. DO NOT LEAVE ASSOCIATED WITH THIS SIDEWALK. THE INSTALLATION OF SIDEWALK SHALL BE FLUSH WITH SHOULDER OR HAVE A DRAINAGE INLET BUILT UNDERNEATH TO ALLOW FOR PROPER STORM WATER FLOW. NO WATER SHALL POOL IN SHOULDER, ROADWAY, DRIVEWAYS, OR RIGHT-OF-WAY DUE TO THIS INSTALLATION.
29. ADA MATS (SHARP DETECTABLE WARNING PADS) SHALL BE INSTALLED AS MET INSETS AND AT ROADWAY INTERSECTIONS ONLY.
30. NO VALVES OR OTHER APPLIANCES IN ROADWAY ASPHALT, WITHIN FEET OF EDGE OF PAVEMENT, OR WITHIN DITCH LINE OR SWALE LINE. APPLICANT SHALL INSTALL 8-16 FEET OF NEW UNPAVED R/W ON PROPER GRADE, FACING THE PROPER DIRECTION, WATCHING THE DIAMETER OF DRIVEWAY AND/OR CROSS LINE UPRTEAM, BUT NOT EXCEEDING THE PIPE DIAMETER DOWNSTREAM. IF THE ABOVE CANNOT BE AVOIDED, INSTALL RIP RAP AROUND ANY EXPOSED MPFS, COVER AND SOOT TO MEET SCDOT MINIMUM STANDARDS. CALL SCDOT ENCROACHMENT OFFICE FOR INSPECTION OF PIPE BEFORE COVERING.
31. PROPOSED UTILITY NOTIFICATION LOCATED IN SHOULDER AREA SHALL HAVE A MINIMUM COVER OF 42" ACCORDING TO FIGURE G OF APPENDIX B. ANY EXPOSED ROOTS TO BE REMOVED OR TRIMMED FLUSH WITH SHOULDER.
32. ALL MARKINGS WITHIN SCDOT R/W SHALL BE APPROVED PERMANENT PAVEMENT MARKINGS PER SECTIONS 625, 626 OR 627 WITHIN THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
33. ALL PROPOSED OR RELOCATED SIGNAGE SHALL BE PLACED OR REPLACED IN ACCORDANCE WITH SECTION 650-000 AND INSTALLED ON SCDOT APPROVED BREAKAWAY SIGN SUPPORTS AS DETAILED IN SECTION 654-000 IN THE SCDOT STANDARD DRAWINGS.



* TWO LIFTS APPLICATION
ASPHALT PAVEMENT WITHIN SCDOT RIGHT-OF-WAY

REFER TO SCDOT DETAIL 610-005-10 FOR TRAFFIC CONTROL OPERATION FOR WORK WITHIN THE SCDOT RIGHT-OF-WAY.

ALL ITEMS IN SECTION 100 OF THE CURRENT ARMS MANUAL FOR BOTH CONSTRUCTION AND POST-CONSTRUCTION DESIGN HAVE BEEN STUDIED AND ADDRESSED. ALL NECESSARY BMPs HAVE BEEN IMPLEMENTED FOR BOTH PHASES (CONSTRUCTION AND POST-CONSTRUCTION) TO AVOID NEGATIVELY IMPACTING IMPAIRED WATERS OF THE SCDOT SYSTEM AND/OR ITS DISCHARGES. ALL REQUIREMENTS IN SECTION 108 OF THE CURRENT ARMS MANUAL FOR POST-DEVELOPMENT RELEASE RATES HAVE BEEN MET. THERE WILL BE ZERO INCREASE IN RUNOFF TO SCDOT RIGHT-OF-WAY FOR THE 2, 5, 10 AND 25 YEAR DESIGN STORMS.

Point of Analysis	Runoff Summary (SCDOT ROW)						
	1-Year, 24-hour	2-Year, 24-hour	10-Year, 24-hour	25-Year, 24-hour	50-Year, 24-hour	100-Year, 24-hour	100-Year, 36-hour
POA-1	Pre-Development Discharge (cfs)	0	0	0	0	0	0
	Post-Development Discharge (cfs)	0	0	0	0	0	0
	Change In Pre-Post Discharge (cfs)	0	0	0	0	0	0
POA-4	Pre-Development Discharge (cfs)	0.96	1.37	2.79	3.8	4.88	5.65
	Post-Development Discharge (cfs)	0.41	0.60	1.83	2.71	3.5	4.4
	Change In Pre-Post Discharge (cfs)	-0.57	-0.68	-0.96	-1.09	-1.38	-1.25

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR UTILIZING ALL APPLICABLE AND CURRENT SCDOT STANDARD DRAWINGS INCLUDING, BUT NOT LIMITED TO, THE DRAWINGS REFERENCED WITHIN THESE PLANS AND THE APPROVED PERMIT PACKAGE.

NOTE: ALL MARKINGS WITHIN SCDOT R/W SHALL BE APPROVED PERMANENT PAVEMENT MARKINGS PER SECTIONS 625, 626 OR 627 WITHIN THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

NOTE: ALL TRAFFIC CONTROL SHALL BE PER CURRENT SCDOT STANDARD DRAWINGS FLAGGING OPERATIONS FOR SINGLE LANE CLOSURE TO BE PER SCDOT 610-005-00 AND 610-005-10. SHOULDER CLOSURE TO BE PER 610-205-00.

NOTE: MINIMUM SIGHT DISTANCE FOR WOODTRAIL DRIVE IS 500' BASED ON THE SCDOT ARMS MANUAL FOR A PASSENGER CAR ON A 45 MPH ROAD.

NOTE: OBSERVABLE SITE DISTANCE NOTED IN THE EXHIBITS ABOVE.

NOTE: ANY WORK REQUIRING A SHOULDER CLOSURE IS TO BE DONE USING SCDOT STANDARD DRAWING 610-205-00. ALL SHOULDER CLOSURE WORK IS TO BE DONE DURING DAYLIGHT HOURS BETWEEN 9:00 AM AND 4:00 PM.

THE POST-DEVELOPED RUNOFF TO THE SCDOT RIGHT OF WAY IS LESS THAN THE PRE-DEVELOPED RUNOFF TO SCDOT RIGHT OF WAY FOR THE 2, 5, 10, AND 25 YEAR STORM EVENTS AS SHOWN IN THE STORMWATER REPORT. EXISTING DRAINAGE PATTERN FROM SCDOT RIGHT OF WAY ALONG WOODTRAIL DRAINS INTO THE PROPOSED SITE INFILTRATION POND. EXISTING DRAINAGE PATTERN FROM SCDOT RIGHT OF WAY ALONG WOODTRAIL WILL BE MAINTAINED.



No.	REVISIONS	DATE	BY
3	JURISDICTION REVISIONS	12-04-2024	SMW
2	JURISDICTION REVISIONS	10-17-2024	SMW
1	ISSUED FOR CONSTRUCTION	07-26-2024	SMW
0	ISSUED FOR PERMIT REVIEW	02-16-2024	SMW

Kimley-Horn
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802 GUYANA STREET, SUITE 201
COLUMBIA, SC 29201
WWW.KIMLEY-HORN.COM



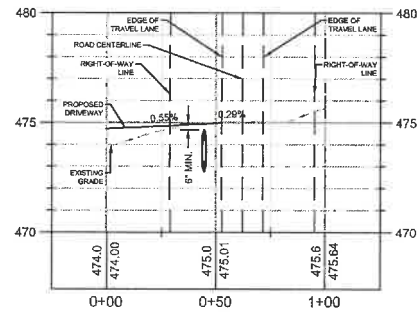
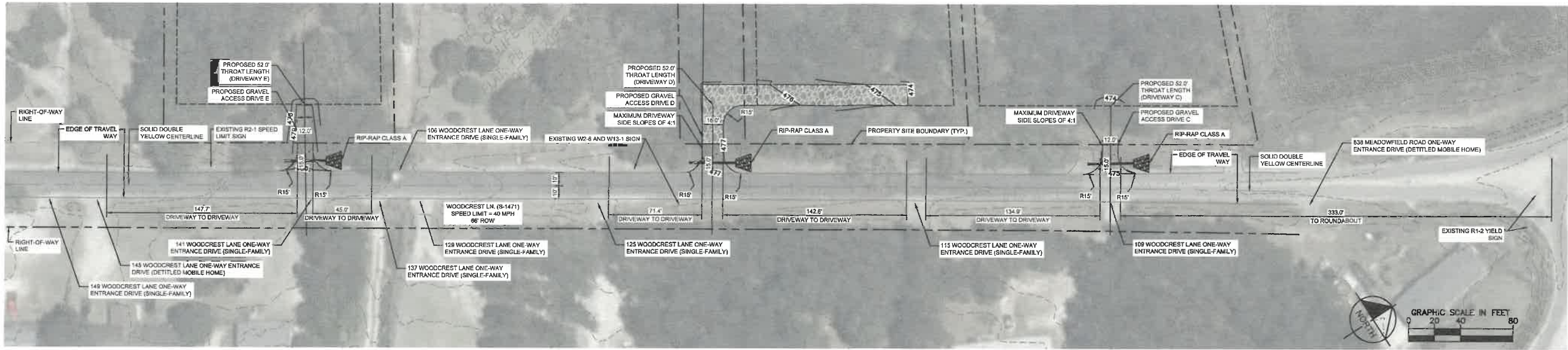
SCALE: AS SHOWN
DRAWN BY: ETM
DESIGNED BY: SMW
CHECKED BY: SMW

CLIENT: M & L GENERAL CONSTRUCTION INC.
1205 RIDGEWAY RD.
LUGOFF, SC 29776
PHONE: 803.223.1144

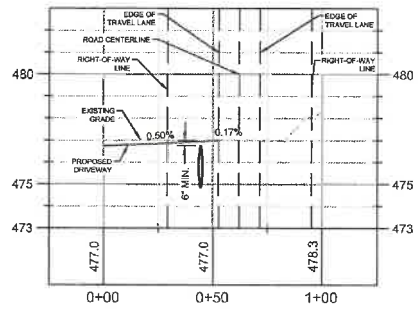
PROJECT: WOODTRAIL FARMS
SCDOT DRIVEWAY PLAN AND PROFILE

DATE: 02/16/2024
PROJECT NO.: 016469000
SHEET NUMBER: C3-55

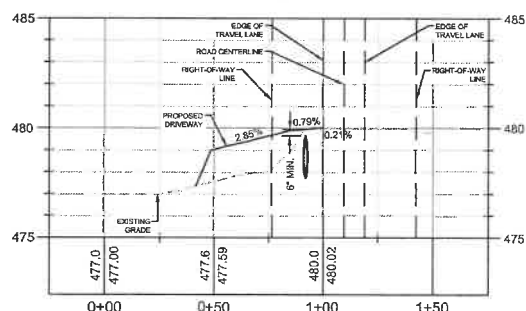
Drawing Name: K:\C00L_PRJ\Projects\016469 M & L Construction\000 0 Wood Trail Single Family\02 - DWG\PlanSheets\C3-56 - SCDOT DRIVEWAY PLAN AND PROFILE.dwg SCDOT DRIVEWAY Dec 05, 2024 8:14am by: Synnny Hamibbel
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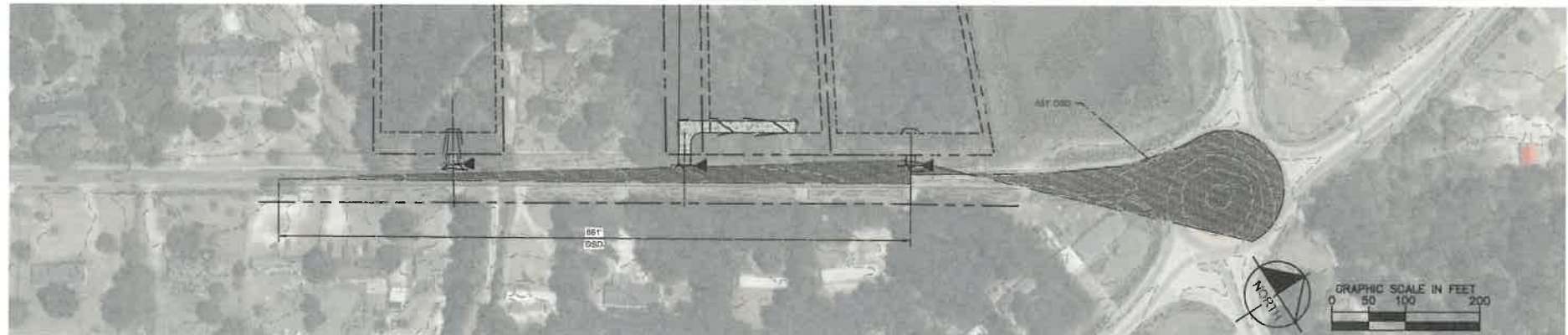
PROFILE VIEW
HCL - DRIVEWAY ACCESS C
1" = 40' HORIZ.
1" = 4' VERT.



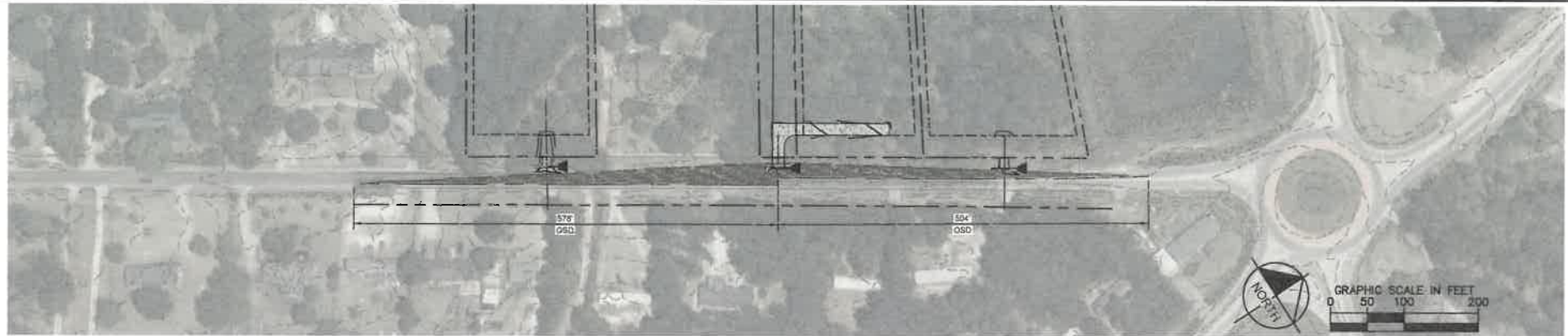
PROFILE VIEW
HCL - DRIVEWAY ACCESS D
1" = 40' HORIZ.
1" = 4' VERT.



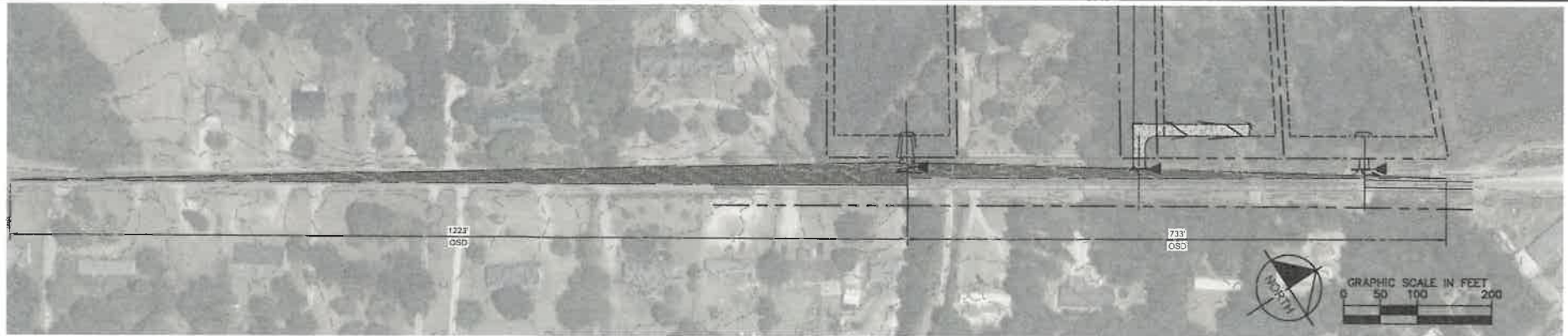
PROFILE VIEW
HCL - DRIVEWAY ACCESS E
1" = 40' HORIZ.
1" = 4' VERT.



OBSERVABLE SITE DISTANCE EXHIBIT (DRIVEWAY C)



OBSERVABLE SITE DISTANCE EXHIBIT (DRIVEWAY D)



OBSERVABLE SITE DISTANCE EXHIBIT (DRIVEWAY E)

NOTE: MINIMUM SIGHT DISTANCE FOR WOODCREST LANE IS 445' BASED ON THE SCDOT ARMS MANUAL FOR A PASSENGER CAR ON A 45 MPH ROAD.
NOTE: OBSERVABLE SITE DISTANCE NOTED IN EXHIBITS ABOVE.



3	JURISDICTION REVISIONS	12-04-2024	SMW	BY
2	JURISDICTION REVISIONS	10-17-2024	SMW	DATE
1	ISSUED FOR CONSTRUCTION	07-25-2024	SMW	
0	ISSUED FOR PERMIT REVIEW	02-16-2024	SMW	
No. REVISIONS				
CLIENT: WOODTRAIL FARMS				
PROJECT: M & L GENERAL CONSTRUCTION INC.				
TITLE: SCDOT DRIVEWAY PLAN AND PROFILE				
DATE: 02/16/2024				
PROJECT NO.: 016469000				
SHEET NUMBER: C3-56				
SCALE: AS SHOWN				
DRAWN BY: ETM				
DESIGNED BY: SMW				
CHECKED BY: SMW				
M & L GENERAL CONSTRUCTION INC. 125 RIDGEWAY RD. LUGOFF, SC 29078 PHONE: 803.221.1144				
KIMLEY-HORN AND ASSOCIATES, INC. 802 SOUTH CAROLINA AVE. 201 COLUMBIA, SC 29201 PHONE: (803) 403-6668 WWW.KIMLEY-HORN.COM				
SOUTH CAROLINA PROFESSIONAL ENGINEER No. C00106 12/17/2024				
KIMLEY-HORN AND ASSOCIATES, INC. SOUTH CAROLINA PROFESSIONAL ENGINEER No. C00106 12/17/2024				

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY FOR PHASE 1 INDIVIDUAL LOT GRADING TO BE COMPLETED BY OTHERS. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

[illegible]

ACTIVITY SCHEDULE

SWPPP INSPECTION NOTE:

SWPPP INSPECTIONS SHALL OCCUR EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 0.5 INCHES OR MORE OF PRECIPITATION.

SWPPP CERTIFICATION:

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 46, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

DISTURBED AREA:

TOTAL = 1.8 ACRES

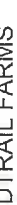
EROSION CONTROL NOTES:

1. THE CONTRACTOR IS TO ADHERE TO THE LEXINGTON COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS, THE SOUTH CAROLINA DCE BMP HANDBOOK, AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE A PRELIMINARY PLAN, AND THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
3. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES IF FULL IMPLEMENTATION OF THE APPROVED PLAN IS NOT COMPLETED BY THE END OF THE CONSTRUCTION PERIOD. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
4. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR EROSION-CONTROLING.
5. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
6. THE CONTRACTOR SHALL INSTALL AND MAINTAIN SILT BARRIERS AROUND ALL DRAINAGE STRUCTURES UNTIL THE CONSTRUCTION HAS BEEN COMPLETED.
7. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING THE PROPERTY LIMITS.
8. THE CURRENT AND APPARENT EROSION CONTROL PROBLEMS ON SITE: CONTRACTOR SHALL TAKE PROCEDURES AS NECESSARY TO PREVENT EROSION AND SEDIMENT TRANSPORT DURING CONSTRUCTION.
9. MAXIMUM EMBANKMENT SLOPES ARE TO BE AS FOLLOWS: CUT AREAS - 2:1. FILL AREAS - 2:1.
10. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED PER THE SPECIFICATIONS.
11. ALL CUT AND FILL SLOPES MUST BE SURFACE ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR COMPLETION.
12. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR MUST CLEAN ALL SEDIMENT TRAPS AS REQUIRED BY THE OWNER'S PERMITATIVE OR ANY STATE REQUIREMENTS.
13. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE OWNER/PROJECT REPRESENTATIVE AND/OR LOCAL MUNICIPALITY AND STATE MAY RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER EROSION CONTROL MEASURES ARE INSTALLED AS REQUIRED.
14. ALL SLOPES 2:1 AND EQUIVALENT BASINS SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS NORTH AMERICAN GREEN SC-190 SEDIMENT, IN ADDITION TO GRASSING/ODORSEEDING.
15. STORM SEWERAGE SECTIONS SHALL BE INSTALLED AS SOON AS POSSIBLE DURING THE CONSTRUCTION PROCESS, AND ALL RUNOFF SHALL BE DIRECTED TO THE DRAINAGE SYSTEM.
16. PRIOR TO STORM DRAINAGE SYSTEM INSTALLATION ALL RUNOFF LEAVING THE SITE SHALL BE FILTERED THROUGH A SILT FENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SILT FENCE THROUGHOUT ALL PHASES OF CONSTRUCTION.
17. THIS PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD ZONE MAP NUMBER 15000C003333, DATED 07/05/2010 HOWEVER NO IMPACTS TO THE FLOOD HAZARD ZONE ARE ANTICIPATED.
18. WETLANDS DO NOT EXIST ON SITE.
19. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 401 PERMIT.
20. AMENDMENTS/REVISIONS TO THE ESB&P PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
21. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN DEEMED NECESSARY BY ON-SITE INSPECTION.
22. EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
23. COVER 100% OF THE SITE WITH MULCH OR GRASS TO PREVENT EROSION AND STABILIZATION.
24. CONTRACTOR TO NOT DISTURB ANY AREA OUTSIDE THE LIMITS OF DISTURBANCE.
25. ALL DITCHES AND SWALES MUST BE DOUBLE SEEDED.
26. CONSTRUCTION EQUIPMENT ARE TO BE PROVIDED AT LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES A PAVED ROADWAY.

SCDHEC STANDARD E&S NOTES:

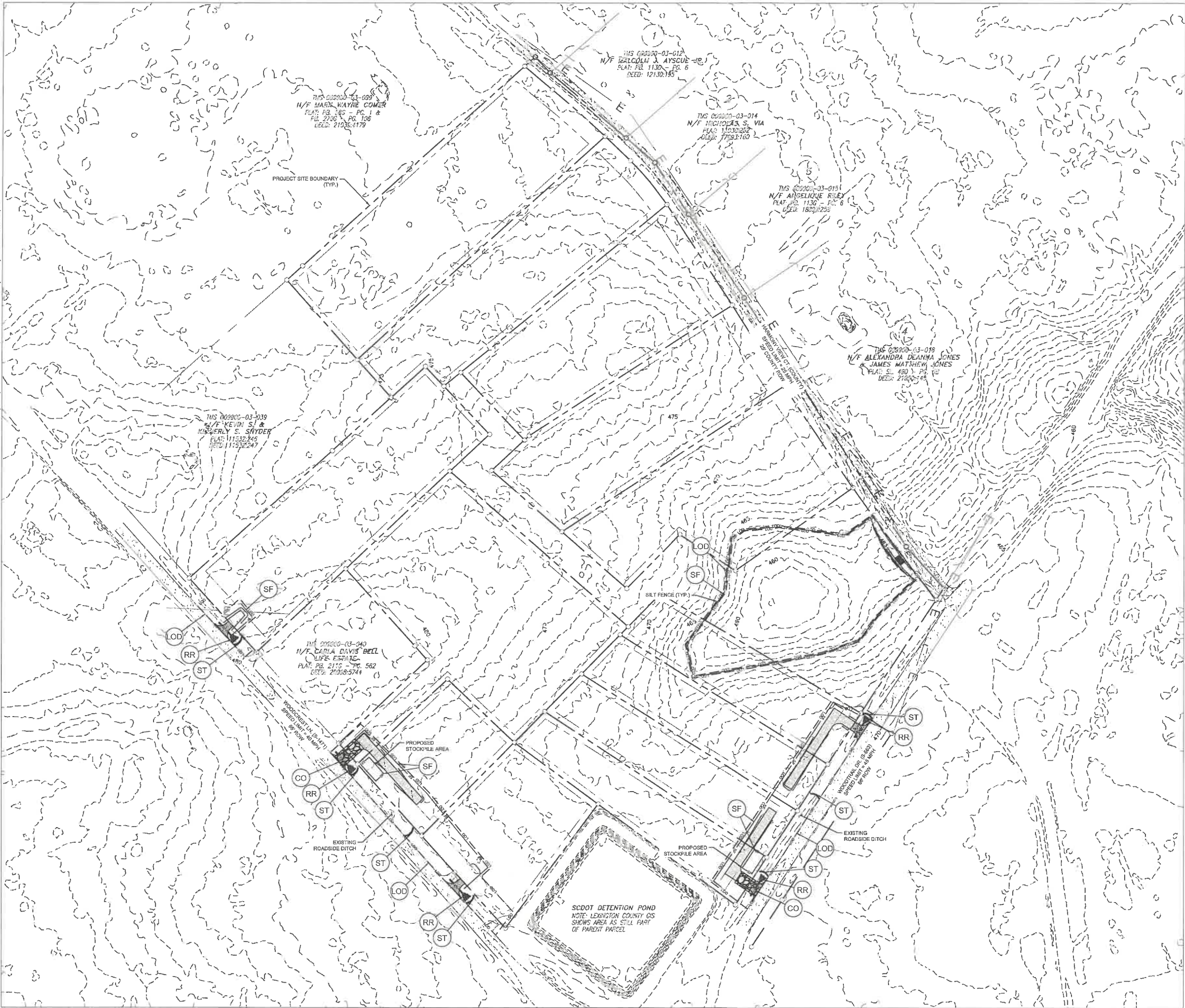
- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DITCHES DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FORTY (40) DAYS AFTER THE ACTIVITIES WERE COMPLETED OR TEMPORARILY CEASED.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EROSION CONTROL MEASURES ARE NOT REQUIRED, STABILIZATION MEASURES, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY 9 DAYS. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN IN APPROPRIATELY, OR INCORRECTLY PLACED, THE PERMITTEE MUST ADDRESS THE PROBLEM BY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH VEGETATION. EROSION CONTROL DEVICES SHALL BE MAINTAINED AND TEMPORARILY SEENING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE. ALL TRENCHES SHALL BE PROTECTED BY SLOPE PROTECTION AND TEMPORARILY SEENING AT THE END OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED AS CONSTRUCTION ACTIVITIES ARE COMPLETED.
5. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS/FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
6. PROVIDE SLOPE PROTECTION AND EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SC900000.
7. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRENCH OR STABLE OUTLET.
8. IF THE SITE IS ADJACENT TO WETLANDS, AREAS TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50 FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WGS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WGS.
9. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT CONTACTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
10. COPY OF ALL INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
11. INITIAL STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (5% OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
12. MINIMIZE SOIL COMPACTION, AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
13. MINIMIZE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
14. ALL WASH WATERS SHALL BE TREATED AND CLOSURE OF THE SEDIMENT BASIN OR OTHER TREATMENT AREAS, THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAY, ETC.). THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL, WHICH MAY INCLUDE: CEMENT, POLYMER, AND CEMENT POLYMER, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOLIDS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
15. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST EVERY 9 DAYS AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
16. IF EXISTING BMPS ARE TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS NOT PRACTICABLE, THE SITE MUST BE PROTECTED BY THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
17. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED NON-STATE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LEARN PROJECTS, THE PRE-CONSTRUCTION CONFERENCE, OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS



C5-00	SHEET NUMBER	PROJECT NO. 016469000	DATE 02/16/2024	PROJECT: WOODTRAIL FARMS	CLIENT: M & L GENERAL CONSTRUCTION INC. 1225 RIDGEWAY RD., COLUMBIA, SC 29207 PHONE: (803) 400-1144	SCALE: AS SHOWN	DRAWN BY: ETM	DESIGNED BY: SNW	CHECKED BY: SNW	 12/17/2024	 12/17/2024	 12/17/2024	 12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	12/17/2024	<
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Drawing name: K:\COLL_PRJ\Projects\016469 M & L Construction\000 0 Wood Trail Single Family\02 - DWG\PlanSheets\C5-10 - EROSION CONTROL PLAN PHASE 1.dwg ECP PHASE 1 Dec 05, 2024 8:14am by: Sydney Hamibiel

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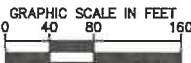


EROSION CONTROL PH. I SEQUENCING:

1. OBTAIN LEXINGTON COUNTY AND SCDHEC NPDES PERMIT.
2. FLAG LIMITS OF DISTURBANCE PRIOR TO BEGINNING WORK ON-SITE INCLUDING BMP INSTALLATION.
3. SCHEDULE / ATTEND PRE-CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, AND SITE SUBCONTRACTOR. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
4. CLEAR ONLY WHAT IS NECESSARY TO INSTALL EROSION CONTROLS INCLUDING STABILIZED CONSTRUCTION ENTRANCE, PERIMETER SILT FENCING, SEDIMENT BASINS, AND DETENTION BASINS. BEGIN WEEKLY SWPPP INSPECTIONS UNTIL SITE IS STABILIZED.
5. NOTIFY COUNTY PERSONNEL FOR INSPECTION OF EROSION CONTROL.
6. BEGIN GRADING UPON APPROVAL OF EROSION CONTROLS INSTALLATION. COMPLETE EARTHWORK/GRADING ACTIVITIES FOR SITE. MAINTAIN AND VERTICALLY ADJUST ALL DITCHES AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTIBILITY OF PROJECT.
7. CONSTRUCT STORM DRAIN CULVERTS AND ACCESS DRIVEWAYS.
8. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
9. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.
10. EROSION AND SEDIMENT CONTROL DEVICES MUST NOT BE REMOVED UNTIL THE SITE HAS REACHED 90% STABILIZATION AND APPROVED.
11. BEFORE SUBMITTING THE NOT, SUBMIT AS-BUILTS AND THE O&M TO LEXINGTON COUNTY FOR APPROVAL.
12. CONTRACTOR SHALL COORDINATE FILING THE NOTICE OF TERMINATION (NOT) WITH THE OWNER AND ENGINEER ONCE FINAL STABILIZATION HAS BEEN ACHIEVED IN ACCORDANCE WITH SC DHEC GUIDELINES.
13. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL AND LEXINGTON COUNTY.

EROSION CONTROL LEGEND:

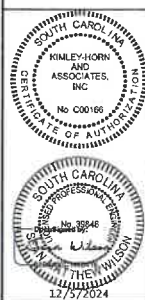
(SF)	SILT FENCE	— SF —
(LOD)	LIMITS OF DISTURBANCE	— LOD —
(DD)	DRAINAGE DITCH	— DD —
(ST)	SEDIMENT TUBES	()
(RR)	RIP-RAP APRON	▲
(CW)	CONCRETE WASHOUT	□
(CO)	CONSTRUCTION EXIT	■
(PS)	PERMANENT SEEDING	+
(ECB)	EROSION CONTROL BLANKET	▨
	PROPOSED GRAVEL	▩
	DRAINAGE FLOW ARROW	2.10%



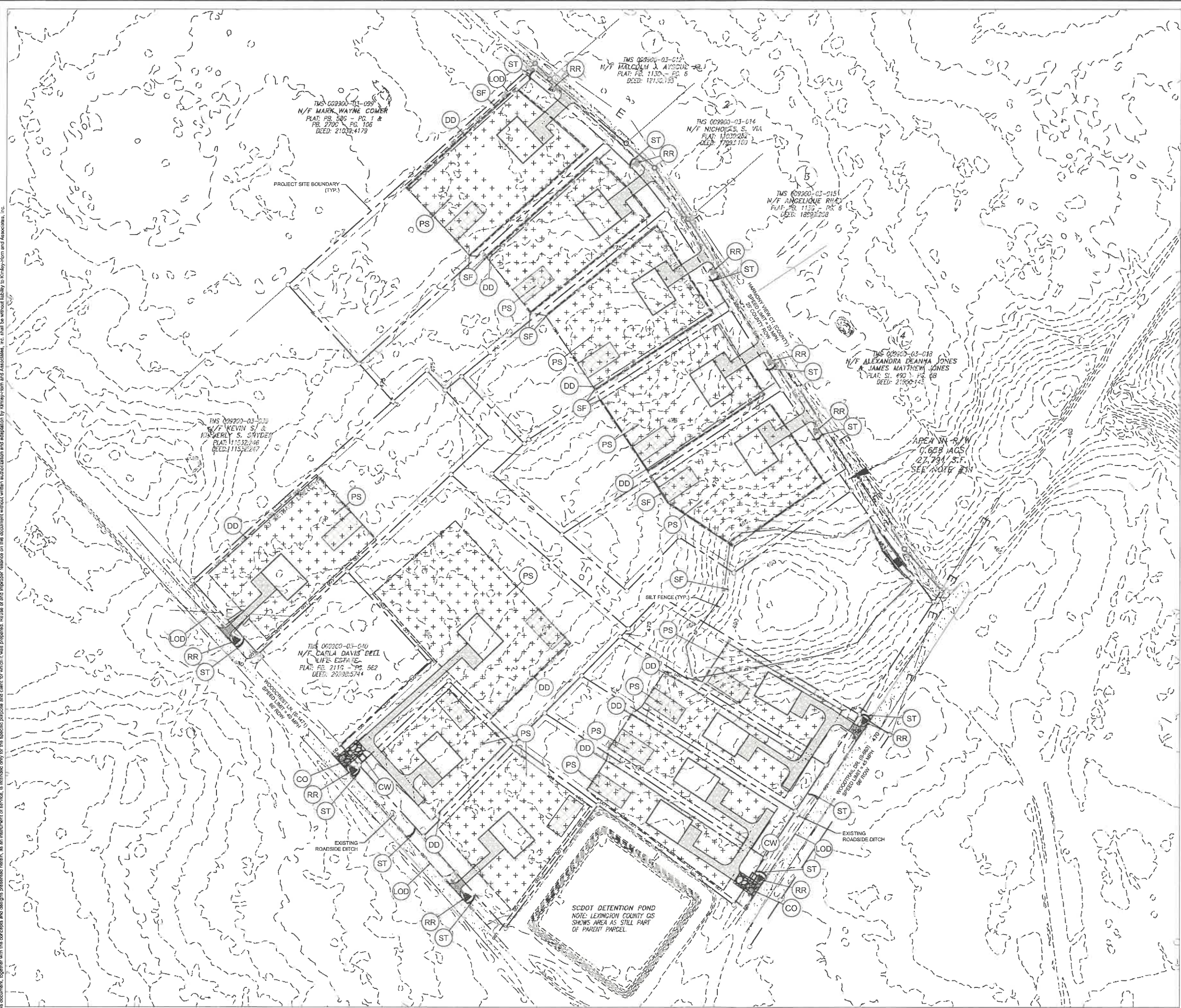
PROJECT:	WOODTRAIL FARMS	DATE:	02/16/2024
CLIENT:	M & L GENERAL CONSTRUCTION INC. 1225 E. BROADWAY RD. LEXINGTON, SC 29078 PHONE: 803.223.1144	PROJECT NO.:	016469000
TITLE:	EROSION CONTROL PLAN (PHASE 1)	SHEET NUMBER:	C5-10
SCALE:	AS SHOWN	DESIGNED BY:	ETM
DRAWN BY:	ETM	CHECKED BY:	SMW
DATE:	02/16/2024	BY:	DATE
REVISIONS:			
3	JURISDICTION REVISIONS	12-04-2024	SMW
2	JURISDICTION REVISIONS	10-17-2024	SMW
1	ISSUED FOR PERMIT REVIEW	07-25-2024	SMW
0	ISSUED FOR PERMIT REVIEW	02-16-2024	SMW

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802 GERVAS STREET, SUITE 201
LEXINGTON, SC 29058
PHONE: (803) 403-8558
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Drawing Name: K:\C00L_PRA\Projects\016469 M & L Construction\000 Wood Trail Single Family\02 - DWG\PlanSheets\C5-11 - EROSION CONTROL PLAN PHASE 2.dwg ECP PHASE 2 Dec 05, 2024 8:15am by: Sydney Hannibal
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EROSION CONTROL PH. II SEQUENCING:

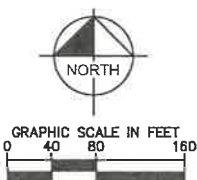
1. OBTAIN LEXINGTON COUNTY AND SCDHEC NPDES PERMIT.
2. SCHEDULE / ATTEND PRE CONSTRUCTION CONFERENCE WITH THE ENGINEER, COUNTY INSPECTOR, AND SITE SUBCONTRACTOR. PRE-CONSTRUCTION CONFERENCE TO BE HELD ON SITE.
3. FLAG LIMITS OF DISTURBANCE PRIOR TO BEGINNING WORK ON-SITE INCLUDING BMP INSTALLATION.
4. NOTIFY LEXINGTON COUNTY 48-HOURS PRIOR TO BEGINNING WORK ON-SITE INCLUDING BMP INSTALLATION.
5. INSTALL CONSTRUCTION ENTRANCE EXIT.
6. INSTALL PERIMETER EROSION CONTROL DEVICES.
7. BEGIN CLEARING AND GRUBBING. STABILIZE DISTURBED AREAS IMMEDIATELY WITH VEGETATIVE BMPs.
8. COMPLETE EARTHWORK/GRADING ACTIVITIES FOR SITE. MAINTAIN AND VERTICALLY ADJUST ALL DITCHES AND SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS. CONTRACTOR TO ENSURE ALL EROSION CONTROL MEASURES DO NOT ADVERSELY AFFECT CONSTRUCTIBILITY OF PROJECT.
9. CONSTRUCT STORM DRAIN CULVERTS AND ACCESS DRIVEWAYS.
10. INSTALL FINAL SLOPE STABILIZATION AS GRADES ARE FINALIZED.
11. CONTINUALLY UPDATE/MAINTAIN OS-SWPPP BOOK PER THE NPDES PERMIT REQUIREMENTS.
12. SUBMIT THE O&M TO LEXINGTON COUNTY FOR APPROVAL.
13. EROSION AND SEDIMENT CONTROL DEVICES MUST NOT BE REMOVED UNTIL THE SITE HAS REACHED 80% STABILIZATION AND APPROVED.
14. CONTRACTOR SHALL COORDINATE FILING THE NOTICE OF TERMINATION (NOT) WITH THE OWNER AND ENGINEER ONCE FINAL STABILIZATION HAS BEEN ACHIEVED IN ACCORDANCE WITH SCDHEC GUIDELINES.
15. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL AND LEXINGTON COUNTY.

EROSION CONTROL LEGEND:

(SF)	SILT FENCE	---
(LOD)	LIMITS OF DISTURBANCE	---
(DD)	DRAINAGE DITCH	---
(ST)	SEDIMENT TUBES	---
(RR)	RIP-RAP APRON	---
(CW)	CONCRETE WASHOUT	---
(CO)	CONSTRUCTION EXIT	---
(PS)	PERMANENT SEEDING	---
(ECB)	EROSION CONTROL BLANKET	---
	PROPOSED GRAVEL	---
	DRAINAGE FLOW ARROW	2.10%

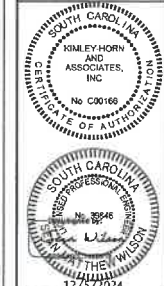
EROSION CONTROL NOTES:

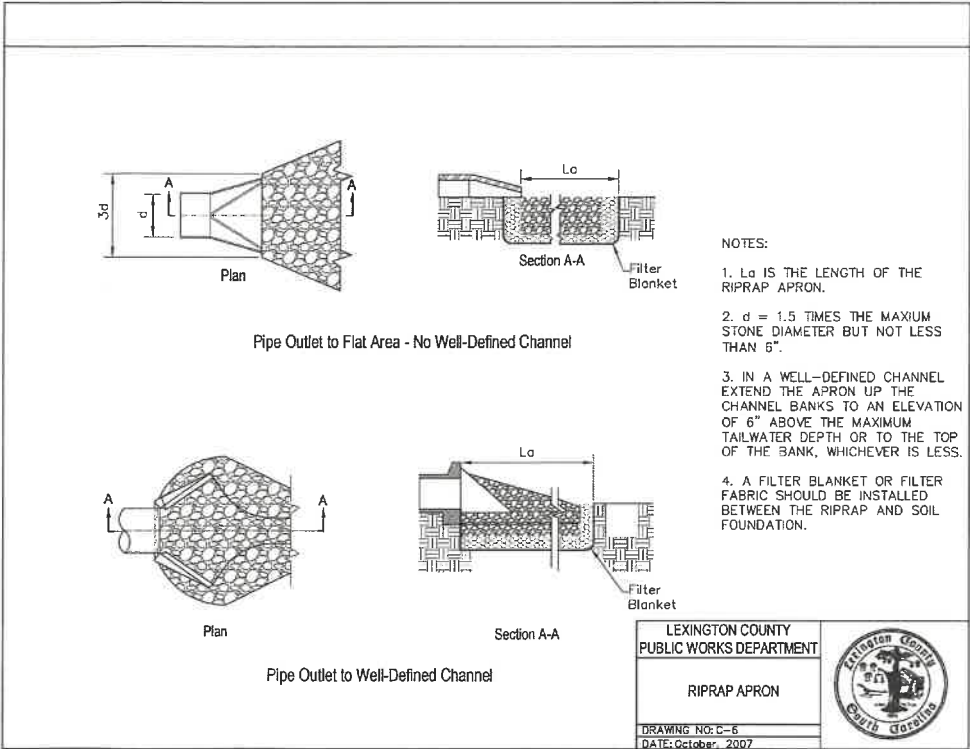
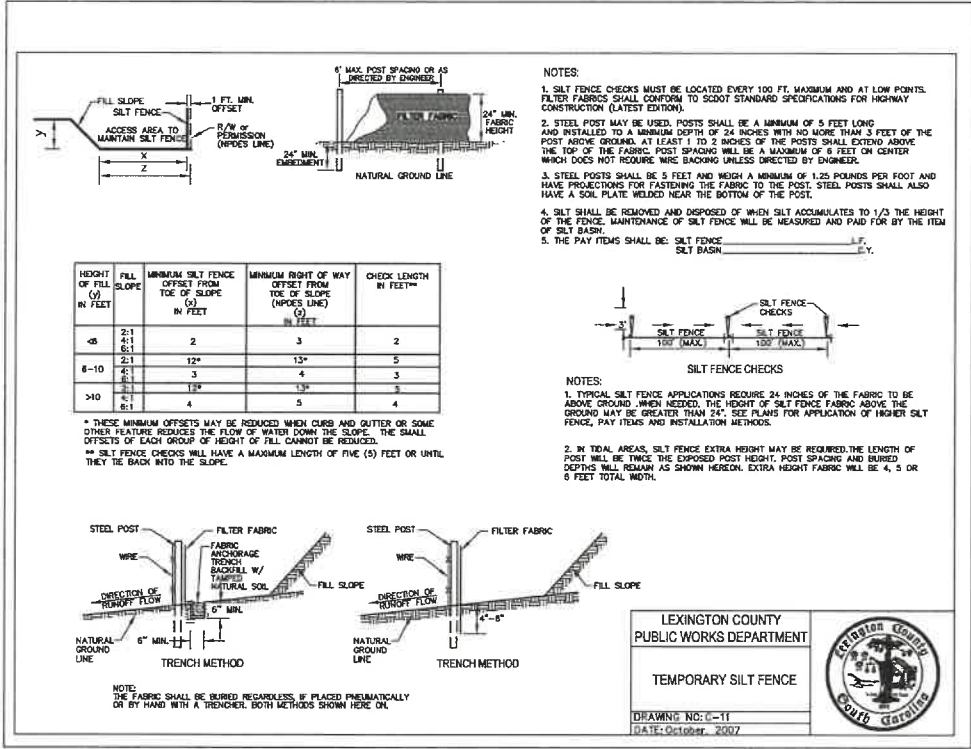
1. EROSION CONTROL PLAN FOR FUTURE PHASE SHOWN FOR INFORMATION ONLY. INDIVIDUAL LOT GRADING AND EROSION CONTROL TO BE DESIGN BY OTHERS DURING FUTURE PHASE.



PROJECT:	WOODTRAIL FARMS	CLIENT:	M & L GENERAL CONSTRUCTION INC.	SCALE:	AS SHOWN
TITLE:	EROSION CONTROL PLAN (FUTURE PHASE BY OTHERS)	DRAWN BY:	ETM	DESIGNED BY:	SMW
DATE:	02/16/2024	CHECKED BY:	SMW		
PROJECT NO.	016469000				
SHEET NUMBER	C5-11				
DATE	12-04-2024	JURISDICTION REVISIONS	3	NO. REVISIONS	BY
DATE	10-17-2024	JURISDICTION REVISIONS	2		
DATE	07-25-2024	JURISDICTION REVISIONS	1		
DATE	02-16-2024	JURISDICTION REVISIONS	0		

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PROJECT:	WOODTRAIL FARMS	DATE	02/16/2024
TITLE:	EROSION CONTROL DETAILS	PROJECT NO.	016469000
CLIENT:	M & L GENERAL CONSTRUCTION INC. 1311 RIVERWAY, RD., LUGOFF, SC 29079 PHONE: 803.223.1144	SHEET NUMBER	C5-81
SCALE:	AS SHOWN	DESIGNED BY:	ETM
DRAWN BY:	ETM	CHECKED BY:	SMW
DESIGNED BY:	SMW		
CHECKED BY:	SMW		
KIMLEY-HORN			
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SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C20198 STATE OF UTILIZATION 12/5/2024			
SOUTH CAROLINA KIMLEY-HORN AND ASSOCIATES, INC. No. C20198 STATE OF UTILIZATION 12/5/2024			
JURISDICTION REVISIONS			
3	JURISDICTION REVISIONS	12-04-2024	SMW
2	JURISDICTION REVISIONS	10-17-2024	SMW
1	ISSUED FOR CONSTRUCTION	07-25-2024	SMW
0	ISSUED FOR PERMIT REVIEW	02-16-2024	SMW
No	REVISIONS	DATE	BY

Plant Selection
Plant seed selection should be based on the type of soil and the season of the year in which the planting is to be done. Tables 3.12 and 3.13 should be used if you plan to use conventional tillage methods (plowing, seedbed preparation, hydroseeding, etc.). If you need a fast growing crop to nurse your permanent specie or species, then use the mix rate. Failure to carefully follow agronomic recommendations often result in an inadequate stand of temporary vegetation that provides little or no erosion control.

Tillage
If the area has been recently plowed, no tillage is required other than raking or surface roughening to break any crust that has formed and to leave a textured surface. If the soil is compacted less than 6-inches, it should be disked for optimal germination.

Soil Testing
Information and test provider is available from the PW/SWD and the Soil and Water Conservation District Office.

Lime
Lime is not required for temporary seeding unless a soil test shows that the soil pH is below 5.0. It may be desirable to apply lime during the temporary seeding operation to benefit the long-term permanent seeding. Apply a minimum of 1.5 tons of Lime/acre (70 pounds per 1000 square feet) if it is to be used.

Fertilizer
A minimum of 500 pounds per acre of 10-10-10 fertilizer (11.5 pounds per 1000 square feet) or equivalent should be applied during temporary seeding unless a soil test indicates a different requirement. Fertilizer and lime (if used) should be incorporated into the top 4-6 inches of the soil by disking or other means where conditions allow.

Seeding
The surface of the soil should be loosened just before broadcasting the seed. Seed should be applied evenly by the most convenient method available for the type of seed to be used and the location of the temporary seeding. Typical application methods include but are not limited to cyclone seeders, rotary spreaders, drop spreaders, broadcast spreaders, hand spreaders, cultipacker seeder, and hydro-seeders. Cover applied seed by raking or dragging a chain, and then lightly firm the area with a roller or cultipacker.

Mulching
Mulch should be used in all permanently seeded areas to retain soil moisture and reduce erosion during establishment of vegetation. The mulch should be applied evenly in such a manner that it provides a minimum of 75% coverage. Typical mulch applications include straw, wood chips, bark, wood fibers, compost mulch or hydro-mulches. The most commonly accepted mulch used in conjunction with temporary seeding is small grain straw. This straw should be dry and free from mold damage and noxious weeds. The straw may need to be anchored with netting or emulsions to prevent it from being blown or washed away. The straw mulch may be applied by hand or machine at the rate 1.5 - 2 tons per acre (90 pounds per 1000 square feet). Frequent inspections are necessary to check that conditions for growth are good.

Irrigation
Seeded areas should be kept adequately moist. Irrigate the seeded area if normal rainfall is not adequate for the germination and growth of seedlings. Water seeded areas at controlled rates that are less than the rate at which the soil can absorb water to prevent runoff. Runoff of irrigation water wastes water and can cause erosion.

Re-seeding
Areas where the plants do not grow quickly, thick enough, or adequately to prevent erosion should be re-seeded with temporary grasses as soon as such areas are identified.

LEXINGTON COUNTY
PUBLIC WORKS DEPARTMENT
TEMPORARY VEGETATION
NOTES & SCHEDULE
(Sheet 1 of 2)
DRAWING NO. D-14
DATE: October 2007



Plant Selection
Plant seed selection should be based on the type of soil, the season of the year in which the planting is to be done, and the needs and desires of the permanent land user. Tables 3.14 and 3.15 should be used to select the desired species to be planted. Failure to carefully follow agronomic recommendations often result in an inadequate stand of permanent vegetation that provides little or no erosion control. The rates in Tables 3.14 and 3.15 are based on purity and germination standards required for certification.

The following notes apply to Tables 3.14 and 3.15.
1. In mixtures with temporary cover, the full seeding rate of permanent cover shall be used.
2. Mix means 2 or more long term species plus short term species. For rates other than optimum, call the Lexington Soil and Water Conservation District, (803) 359-3165 ext. 3.
3. A legume, such as a clover, crown vetch, and sericea should be used where it is possible.
4. The appropriate inoculants should be used.

Topsoil
If the surface soil of the seedbed is not adequate for plant growth, topsoil should be applied.

Tillage
If the area has been recently plowed, no tillage is required other than raking or Surface Roughening to break any crust that has formed and to leave a textured surface. If the soil is compacted less than 6-inches, it should be disked for optimal germination. If the soil is compacted more than 6-inches, it should be sub-soiled and disked.

Soil Testing
Information and test provider is available from the PW/SWD and the Soil and Water Conservation District Office.

Lime
Unless a specific soil test indicates otherwise, apply 1+ tons of ground course textured agricultural limestone per acre (70 pounds per 1000 square feet).

Fertilizer
A minimum of 1000 pounds per acre of a complete 10-10-10 fertilizer (23 pounds per 1000 square feet) or equivalent should be applied during permanent seeding of grasses unless a soil test indicates a different requirement. Fertilizer and lime (if used) should be incorporated into the top 4-6 inches of the soil by disking or other means where conditions allow. Do not mix the lime and the fertilizer prior to the field application.

Seeding
The surface of the soil should be loosened just before broadcasting the seed. Seed should be evenly applied by the most convenient method available for the type of seed to be applied. Typical application methods include but are not limited to cyclone seeders, rotary spreaders, drop spreaders, broadcast spreaders, hand spreaders, cultipacker seeder, and hydro-seeders. Cover applied seed by raking or dragging a chain or brush mat, and then lightly firm the area with a roller or cultipacker. Do not roll seed that is applied with a hydro-seeder and hydro-mulch.

Mulching
All permanent seeded areas should be covered with mulch immediately upon completion of the seeding application to retain soil moisture and reduce erosion during establishment of vegetation. The mulch should be applied evenly in such a manner that it provides a minimum of 75% coverage. Typical mulch applications include straw, wood chips, bark, wood fiber, and compost mulch. The most commonly accepted mulch used in conjunction with permanent seeding is small grain straw. This straw should be dry and free from mold damage and noxious weeds. The straw may need to be anchored with netting or asphalt emulsions to prevent it from being blown or washed away. The straw mulch may be applied by hand or machine at the rate 2 tons per acre (90 pounds per 1000 square feet). Frequent inspections are necessary to check that conditions for growth are good.

Irrigation
Permanent seeded areas should be kept adequately moist, especially late in the specific growing season. Irrigate the seeded area if normal rainfall is not adequate for the germination and growth of seedlings. Water seeded areas at controlled rates that are less than the rate at which the soil can absorb water to prevent runoff. Runoff of irrigation water wastes water and can cause erosion.

Re-seeding
Inspect permanently seeded areas for failure, make necessary repairs and re-seed or overseed within the same growing season if possible. If the grass cover is sparse or patchy, re-evaluate the choice of grass and quantities of lime and fertilizer applied. If the permanent seeding has less than 40% cover, have the soil tested to determine any acidity or nutrient deficiency problems. Final stabilization by permanent seeding of the site requires that it be covered by a 70% coverage rate.

Post-Stabilization
Once areas are stabilized they can be converted to native species or for establishing on non-critical, level sites. Table 3.16 lists some native species of Lexington County that can be used.

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TABLE 3.12 TEMPORARY VEGETATION SCHEDULE			
Species	Rates (lbs/acr)	Optimum Dates to Plant	Remarks
Browntop Millet (Alone)	40	April 20 - August 15	Quick, Dense Cover
Browntop Millet (Mix)*	10	April 20 - August 15	Quick, Dense Cover
Rye Grain (Alone)	56	February - March, August 15 - November 20	Quick Cover
Rye Grain (Mix)*	10	February - March, August 15 - November 20	Quick Cover
Rye Grass (Alone)	50	August 10 - October 10	Competitive, Dense
Rye Grass (Mix)*	8	August 10 - October 10	Competitive, Dense

TABLE 3.13 TEMPORARY VEGETATION FOR STEEP SLOPES/CUT SLOPES			
Species	Rates (lbs/acr)	Optimum Dates to Plant	Remarks
Weeping Lovegrass (Alone)	4	April - July 20	Quick cover, deep roots, likes dry sites, seldom used alone, clumps
Weeping Lovegrass (Mix)*	2	April - July 20	Quick cover, deep roots, likes dry sites, seldom used alone, clumps

* For details on mixes consult the Lexington Soil and Water Conservation District, (803) 359-3165 ext. 3.

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TABLE 3.14 PERMANENT VEGETATION SCHEDULE			
Species	Rates (lbs/acr)	Optimum Dates to Plant	Remarks
Bahia Grass (Alone)	40	March 20 - June 15	Slow to become established
Bahia Grass (Mix)*	30	March 20 - June 15	Slow to become established
Bermuda Grass (Hulled) (Alone)	8-12	April - July 15	Quick cover, Sod forming, partial winter kill
Bermuda Grass (Hulled) (Mix)*	4-6	April - July 15	Quick cover, Sod forming, partial winter kill
Fescue, Tall (KY31) Alone	40	August 15 - October	Seldom seeded alone, not for dry or wet sites
Fescue, Tall (KY31) Mix*	20	August 15 - October	Seldom seeded alone, not for dry or wet sites
Sericea Lespedeza (Scarified) Alone or Mix*, (Innoculate with EL Inoculant)	40	April - June	Good for slopes, cuts, and fills that require low maintenance
Ladino Clover (Mix* only), (Innoculate with AB Inoculant)	2	August 20 - October	Naturally adds nitrogen

* For details on mixes consult the Lexington Soil and Water Conservation District, (803) 359-3165 ext. 3.

TABLE 3.15 PERMANENT VEGETATION SCHEDULE FOR STEEP SLOPES/CUT SLOPES			
Species	Rates (lbs/acr)	Optimum Dates to Plant	Remarks
Weeping Lovegrass (Alone)	4	April - July 20	Quick cover, deep roots, likes dry sites, seldom used alone, clumps
Weeping Lovegrass (Mix)*	2	April - July 20	Quick cover, deep roots, likes dry sites, seldom used alone, clumps

TABLE 3.16 NATIVE SPECIES THAT CAN BE USED ON NON-CRITICAL, LEVEL SITES IN LEXINGTON COUNTY, SC			
Species	Rates (lbs/acr)	Optimum Dates to Plant	Remarks
Switchgrass (Mix* with Legumes)	10, PLS**	February 10 - April 20	Mix with Sericea at 30 lbs/acre
Indian Grass (Mix)*	8, PLS**	February - April 20	Mix with Sericea at 30 lbs/acre
Little Bluestem, (Mix*)	8, PLS**	February 10 - April	

* Pure Live Seed

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PROJECT:	WOODTRAIL FARMS	DATE	02/16/2024	
CLIENT:	M & L GENERAL CONSTRUCTION INC. 1226 RIDGEWAY RD. LUGOFF, SC 29078 PHONE 803.223.1144	PROJECT NO.	016469000	
TITLE:	EROSION CONTROL DETAILS	SHEET NUMBER	C5-82	
SCALE:	AS SHOWN	DRAWN BY:	ETM	
		DESIGNED BY:	SMW	
		CHECKED BY:	SMW	
JURISDICTION REVISIONS		3	12-04-2024	EMW
JURISDICTION REVISIONS		2	10-17-2024	EMW
ISSUED FOR CONSTRUCTION		1	07-26-2024	EMW
ISSUED FOR PERMIT REVIEW		0	02-16-2024	EMW
No.		Revisions	DATE	BY



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802 GERVASIS STREET, SUITE 207
COLUMBIA, SC 29201
PHONE (803) 403-8658
WWW.KIMLEY-HORN.COM



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