

# LAKE MARION DRIVE IMPROVEMENTS

## FOR

### CALHOUN COUNTY, SOUTH CAROLINA

#### UTILITIES:

WINDSTREAM COMMUNICATIONS  
855-575-7625

TIME WARNER CABLE  
1-800-892-4357

SCE&G  
1-800-251-7234

TRI-COUNTY ELECTRIC CO-OP  
877-874-1215

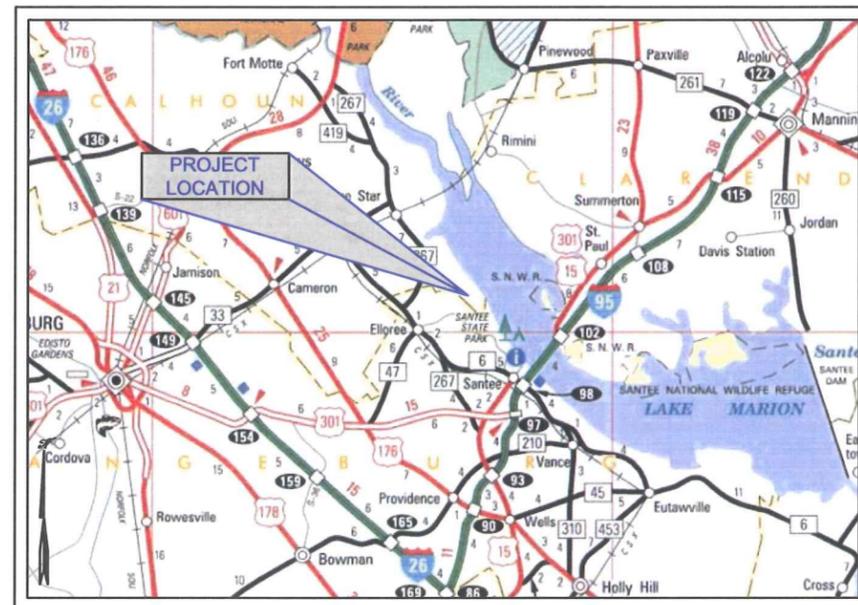
AT&T  
1-800-331-0500

FRONTIER COMMUNICATIONS  
1-800-921-8101

#### OWNER:

CALHOUN COUNTY  
102 COURTHOUSE DRIVE  
ST MATTHEWS, SC 29135

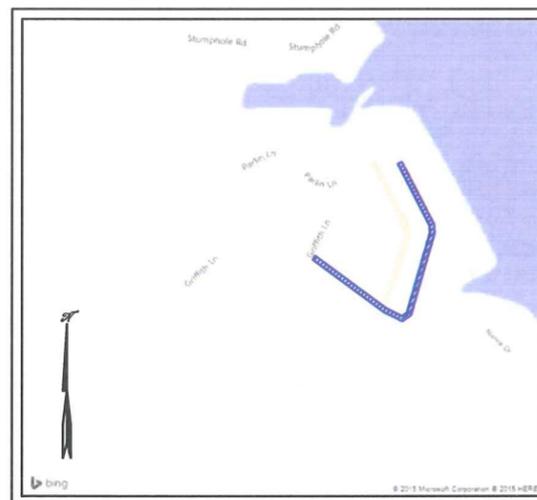
RAILROAD INVOLVEMENT?  
YES / NO



Map from SC-DOT

#### Vicinity Map

Scale: 1" = 10 mile



#### Location Map

Scale: NTS

#### Sheet Index

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APPROVED FOR CONSTRUCTION

DATE \_\_\_\_\_

COUNTY REPRESENTATIVE \_\_\_\_\_

#### NPDES PERMIT INFORMATION

##### Project Areas:

Disturbed Area: 0.9 acres  
Total Area: 2.7 acres

##### Approximate Location:

Longitude: 80°30'55.40" W  
Latitude: 33°33'40.55" N



Please Call  
Palmetto Utility Protection Service  
1-888-721-7877  
72 Hours Prior to Beginning Construction

Engineer	Drawn By	M. Amfield	Checked By	M. Hines	Revision	Date	Description
D. Dennis							



**DENNIS CORPORATION**  
Engineering • Surveying • Construction Services  
www.DennisCorporation.com  
1800 Huger Street  
Columbia, SC 29201  
Office: (803) 252-0891  
Fax: (803) 733-6787

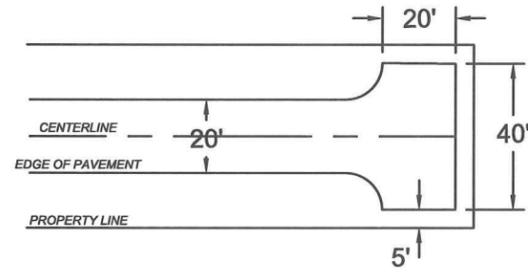
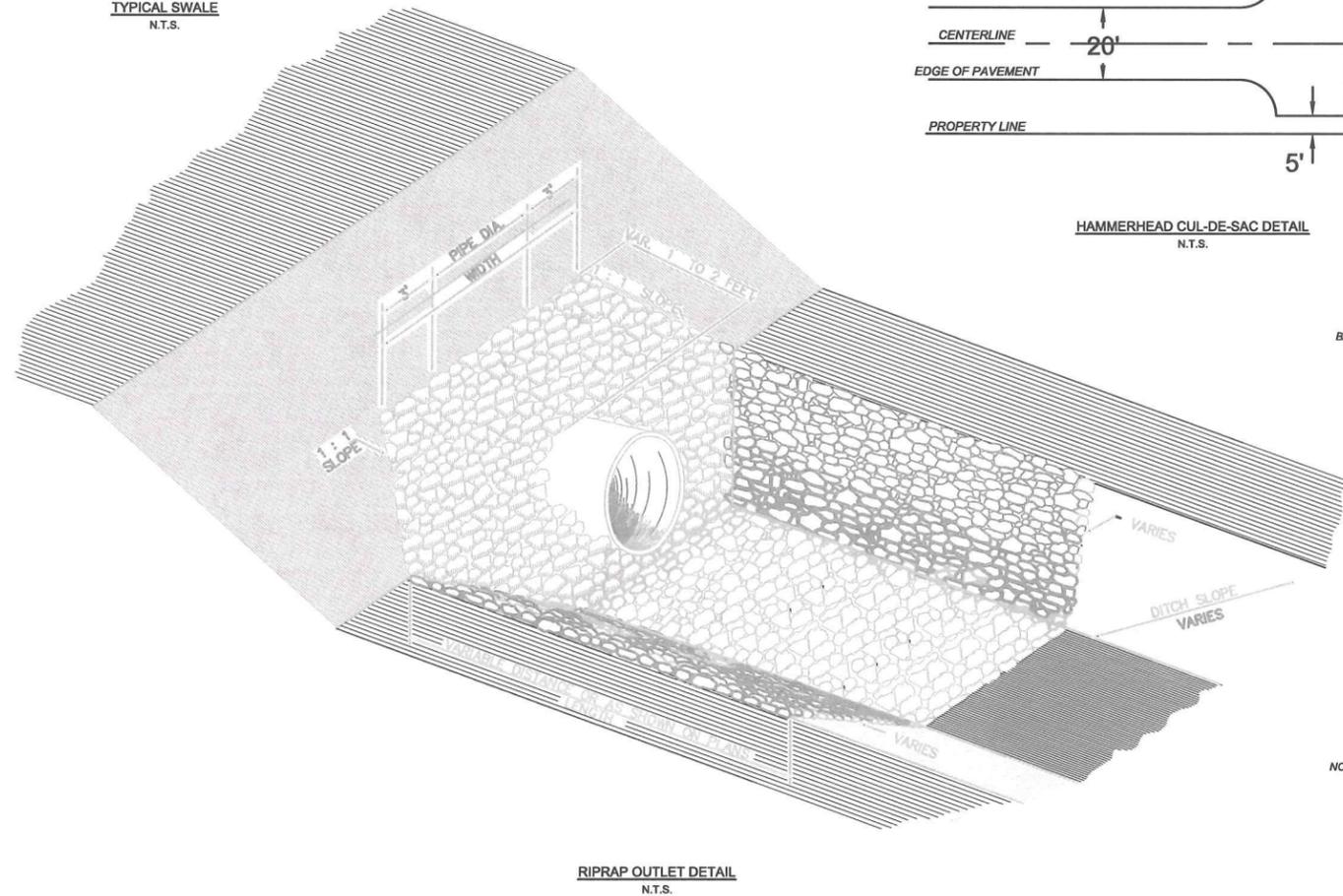
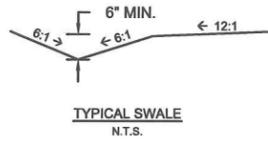
CTC Package 2014-12  
for  
Calhoun County, South Carolina  
August 2015 Calhoun County South Carolina

Project  
**C0057.01**

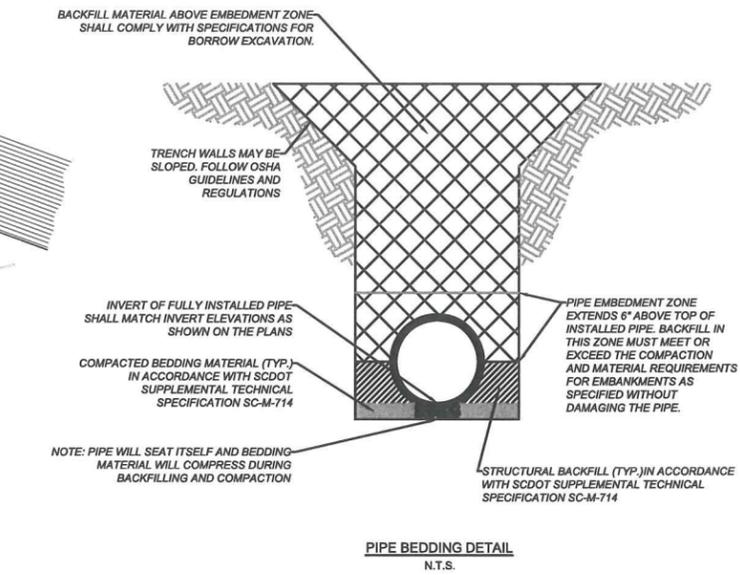
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**LM-00**

SUMMARY OF ESTIMATED QUANTITIES

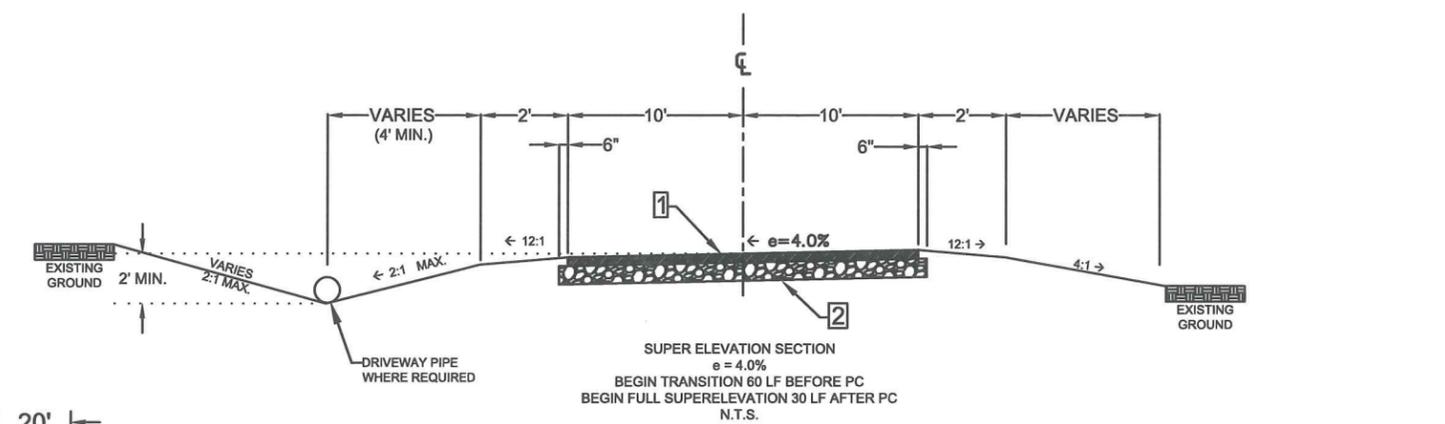
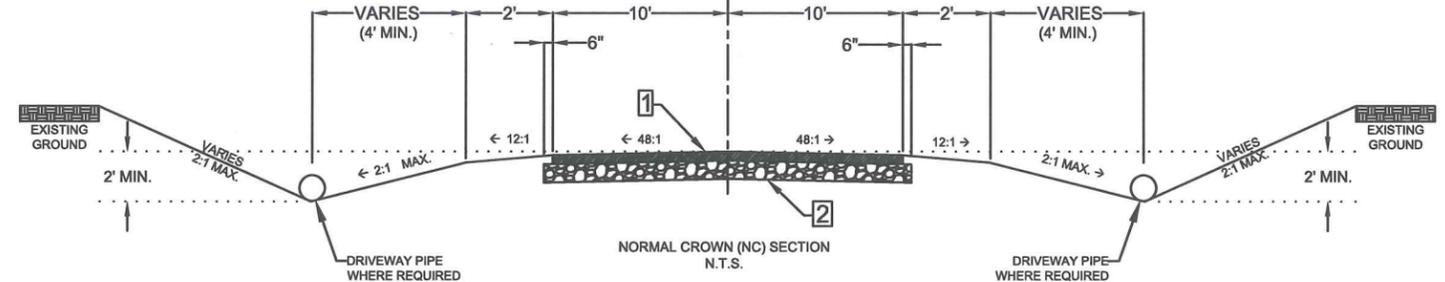
Item No.	Description	Quantity	Units
1	Mobilization	1	LS
2	Construction Stakes, Lines, and Grades	1	LS
3	Maintenance of Traffic	1	LS
4	Clearing and Grubbing Within Roadway	1	LS
5	Unclassified Excavation	1	LS
6	Cement-Modified Subbase (8" Uniform)	5,618	SY
7	Portland Cement for Cement-Modified Subbase (5.0%)	3.7	TON
8	HMA Surface Course - Type C (Including Binder)	718	TON
9	15" HDPE, Smooth Core, 24' Lengths	168	LF
10	15" RC Pipe Culvert - Class III	128	LF
11	RipRap (Class B)	45	TON
12	Geotextile For Erosion Control Under Riprap (Class 2) Type C	54	SY
13	Silt Fence	400	LF
14	Permanent Vegetation	1.3	ACRE
15	Maintenance Stone	50.0	TON
16	Raised Pavement Markers	59	EA



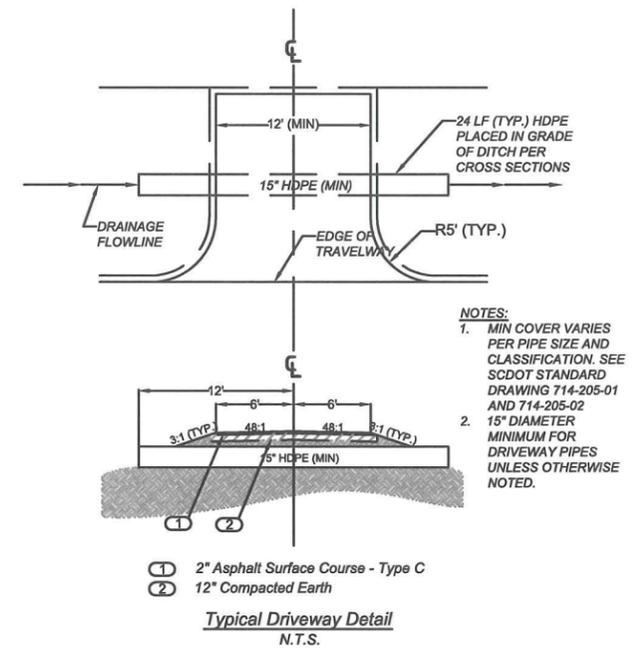
HAMMERHEAD CUL-DE-SAC DETAIL  
N.T.S.



PIPE BEDDING DETAIL  
N.T.S.



1- HMA SURFACE COURSE: 2" UNIFORM  
2- CEMENT MODIFIED SUBBASE: 8" UNIFORM  
(5.0% PORTLAND CEMENT, 35 #/SY)



Typical Driveway Detail  
N.T.S.

Rev.	Date	Description

Lake Marion Drive  
Notes & Details  
(Sheet 1 of 2)

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for  
Calhoun County, South Carolina

Project  
C0057.01  
Scale  
As Shown  
Sheet  
LM-01

DENNIS CORPORATION  
CORPORATION  
NO. 3103  
NO. 18310  
DANIEL R. DENNIS

August 2015  
Calhoun County  
South Carolina

**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF PIPE FLOW LINES AND SIDEROAD TIE-INS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY APPARENT DISCREPANCIES OR CONFLICTS IN THE CONSTRUCTION PLANS PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE UTILITY LOCATION WITH UTILITY PROVIDER DURING CONSTRUCTION.
3. RELOCATION AND / OR ADJUSTMENT OF ANY UTILITY IS TO BE COMPLETED BY THE OWNER OF THE UTILITY.
4. CHANGES INVOLVING INCREASED COST OF PROJECT OR CHANGES IN ALIGNMENT MUST BE SPECIFICALLY AUTHORIZED BY THE OWNER AND ENGINEER.
5. PIPE LENGTHS THAT ARE SHOWN ON THE PLANS ARE HORIZONTAL DISTANCES. FIELD ADJUSTMENT OF THE ACTUAL PIPE LENGTHS MAY BE NECESSARY.
6. THE CONTRACTOR SHALL STAGE HIS CLEARING AND GRUBBING WORK ALONG WITH HIS CONSTRUCTION WORK TO MINIMIZE THE AMOUNT OF EROSION AND SEDIMENTATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SIGNING AND MAINTENANCE OF EXISTING PERMANENT SIGNS DURING CONSTRUCTION.
8. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR IN AN EXPEDIENT MANNER ANY DAMAGE THAT OCCURS TO THE CROSS ROADS DUE TO THESE ROADS BEING USED IN THE HAULING PROCESS.
9. THE LOCATION OF THE UTILITIES IN THE PLANS IS BASED ON LIMITED INVESTIGATION TECHNIQUES AND INFORMATION PROVIDED BY OTHERS. THE LOCATIONS OF THE SHOWN UTILITIES SHOULD BE CONSIDERED APPROXIMATE. THE ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. THERE MAY OR MAY NOT BE OTHER UTILITIES WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE STEPS TO SATISFY THEMSELVES AS TO THE NUMBER, TYPE, OWNER, AND LOCATION (BOTH HORIZONTAL AND VERTICAL) OF ALL ABOVE AND BELOW GRADE UTILITIES WITHIN THE LIMITS OF THE PROJECT.
10. ALL DRAINAGE STRUCTURES AND PIPE ARE TO BE IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS FOR HIGHWAY CONSTRUCTION AND STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION UNLESS OTHERWISE NOTED.
11. COORDINATE REMOVAL AND REPLACEMENT OF ANY FENCE WITH THE OWNER OR DESIGNATED REPRESENTATIVE.
12. CONTRACTOR TO PREPARE A TRAFFIC CONTROL PLAN AND A WORKZONE SAFETY PLAN WHICH ARE TO BE SUBMITTED TO THE COUNTY ENGINEER OR DESIGNATED REPRESENTATIVE FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. THE WORKZONE SAFETY PLAN IS TO BE IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS AS MAY BE DIRECTED BY THE OWNER OR DESIGNATED REPRESENTATIVE. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
13. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE CONCURRENCE OF THE ENGINEER IN REGARDS TO LOCATING THE LIMITS OF CLEARING AND GRUBBING.
14. THE EXISTING AND PROPOSED CENTERLINE MAY NOT COINCIDE. THE SHOWN LOCATION OF ROAD RIGHT-OF-WAY IS BASED UPON INFORMATION PROVIDED BY THE COUNTY TO THE ENGINEER. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR IS ADVISED TO REQUEST, FROM THE COUNTY, CONFIRMATION OF THE SHOWN RIGHT-OF-WAY AND ANY CHANGES THERETO AS WELL AS RECEIVE DELIVERY OF PERTINENT EASEMENTS AND PERMISSION TO ENTER PRIVATE PROPERTY.
15. ERECT BMP'S IN ACCORDANCE WITH THE CONSTRUCTION PLANS, SPECIFICATIONS, AND DETAILS OR AS DIRECTED BY THE ENGINEER. TO THE MAXIMUM EXTENT POSSIBLE, ERECT BMP'S WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND / OR EASEMENTS.
16. ROADWAY TO BE CENTERED WITHIN THE RIGHT-OF-WAY USING THE TYPICAL SECTIONS AS A TEMPLATE. HORIZONTAL AND VERTICAL CURVES ARE TO BE NORMALIZED AS DIRECTED BY THE ENGINEER.
17. DRAINAGE STRUCTURES MAY BE FIELD-ADJUSTED AS DIRECTED BY THE ENGINEER TO ACHIEVE FINISHED GRADE WHILE MAINTAINING MINIMUM COVER REQUIREMENTS AND A MINIMUM PIPE SLOPE OF 0.5%.
18. PROPERTY LINES SHOWN HEREIN WERE DRAWN USING PLATS PROVIDED BY THE COUNTY, AS AVAILABLE. FOR PROPERTIES WHERE PLATS WERE UNAVAILABLE, PROPERTY LINES WERE DRAWN USING CALHOUN COUNTY ONLINE TAX MAPS. PROPERTY OWNER INFORMATION OBTAINED FROM CALHOUN COUNTY ONLINE TAX MAPS.
19. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGHOUT THE ENTIRE PERIOD OF CONSTRUCTION BY PROVIDING A REASONABLY SMOOTH AND EVEN SURFACE SATISFACTORY FOR THE USE OF PUBLIC TRAFFIC AND TO PROVIDE ACCESS TO ALL PUBLIC ROADS AND RESIDENTIAL ENTRANCES AT ALL TIMES.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESS FOR MAIL SERVICE DURING CONSTRUCTION. IF NECESSARY, CONTRACTOR SHALL COORDINATE ANY TEMPORARY MAILBOX RELOCATIONS WITH UNITED STATES POSTAL SERVICE.
21. ALL TIE-INS WITH EXISTING ASPHALT SHALL BE SAW CUT.

**DHEC STANDARD NOTES**

1. 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 DRAINS 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 FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
  - 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 EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, 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 ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY 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 GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING 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.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES 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/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE 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 SCR100000.
8. 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 TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE 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 WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS 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.
11. A COPY OF THE SWPPP, 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.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE 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;
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
  - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
  - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
  - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
  - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMPS NEED 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 IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

Rev.	Date	Description

Engineer: D. Dennis  
 Drawn By: M. Armfield  
 Checked By: M. Hines




Lake Marion Drive  
 Notes & Details  
 (Sheet 2 of 2)

D E N N I S

C O R P O R A T I O N

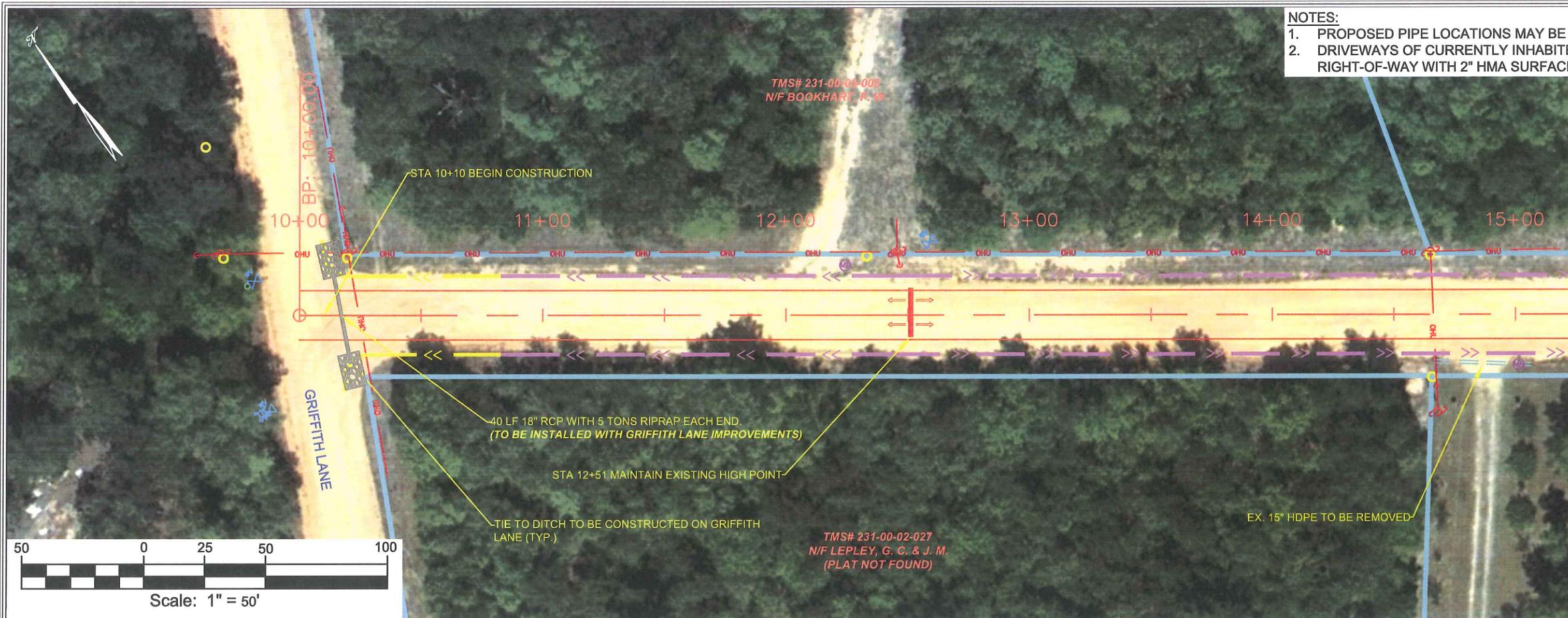
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Scale  
**As Shown**

Sheet  
**LM-02**

for  
**Calhoun County, South Carolina**

August 2015    Calhoun County    South Carolina

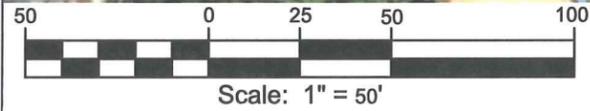


**NOTES:**  
 1. PROPOSED PIPE LOCATIONS MAY BE FIELD ADJUSTED AS NECESSARY.  
 2. DRIVEWAYS OF CURRENTLY INHABITED PARCELS SHALL BE PAVED TO EDGE OF RIGHT-OF-WAY WITH 2" HMA SURFACE COURSE AND COMPACTED EARTH BASE.

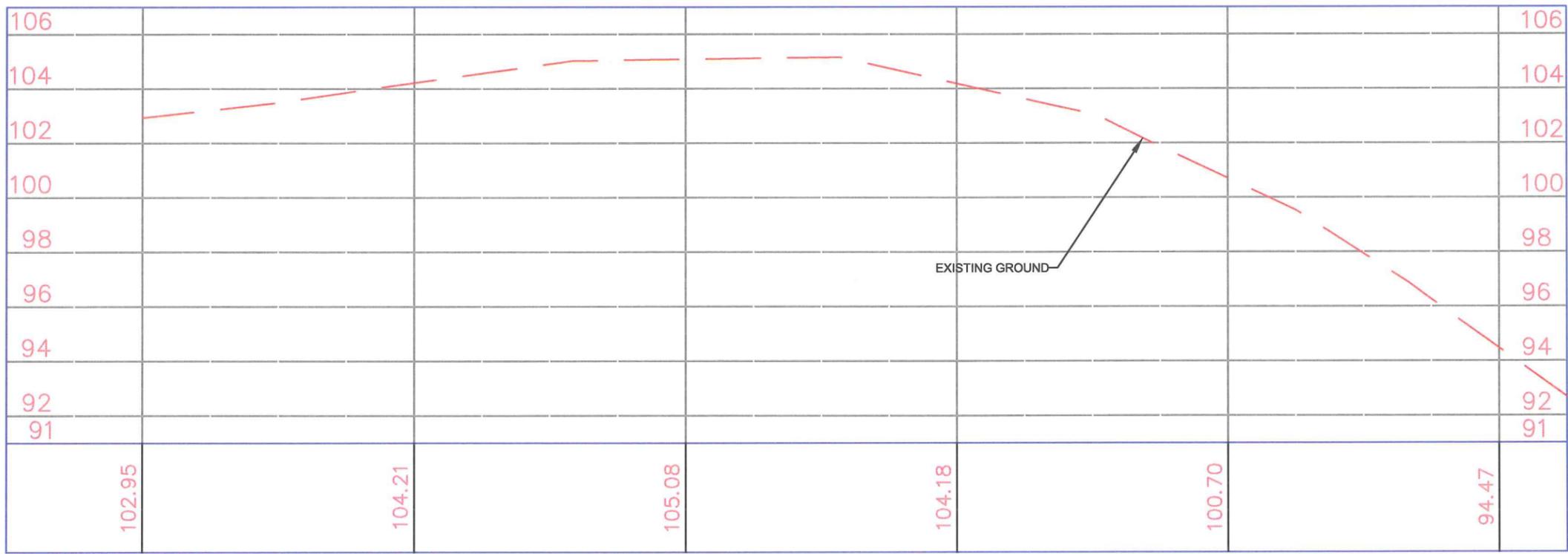
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**LEGEND**

- IRON PIPE FOUND
- EX. POWER POLE
- EX. MAILBOX
- EX. UTILITIES BOX
- EX. SIGN
- EX. WATER VALVE
- EX. HYDRANT
- EX. UTILITY MARKER
- EX. BRICK COLUMN
- EX. DRAINAGE PIPE
- EX. FENCE
- EX. PROPERTY LINE
- EX. OVERHEAD UTILITY
- PROP. SWALE LINE
- PROP. DITCH LINE
- PROP. PIPE
- PROP. CENTERLINE
- PROP. EDGE OF PAVEMENT



**LAKE MARION - CL PROFILE**



HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'

Rev.	Date	Description

Engineer	D. Dennis
Drawn By	M. Armfield
Checked By	M. Hines

Lake Marion Drive  
 Plan & Profile  
 (Sheet 1 of 5)

**DENNIS**  
 CORPORATION

CTC Package 2014-12  
 for  
 Calhoun County, South Carolina

August 2015    Calhoun County    South Carolina

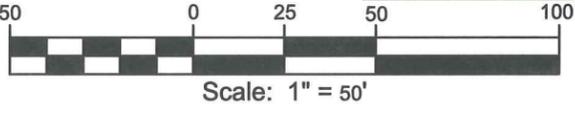
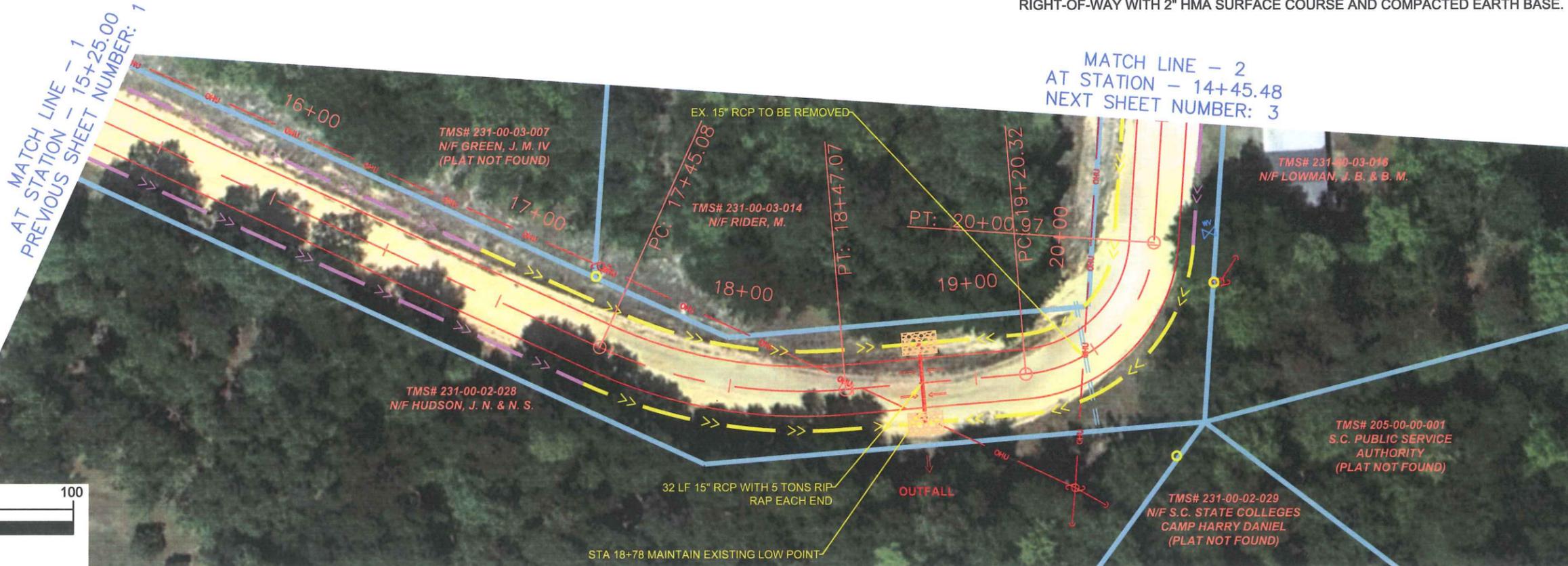
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**1" = 50'**  
 Sheet  
**LM-03**

- NOTES:**
1. PROPOSED PIPE LOCATIONS MAY BE FIELD ADJUSTED AS NECESSARY.
  2. DRIVEWAYS OF CURRENTLY INHABITED PARCELS SHALL BE PAVED TO EDGE OF RIGHT-OF-WAY WITH 2" HMA SURFACE COURSE AND COMPACTED EARTH BASE.

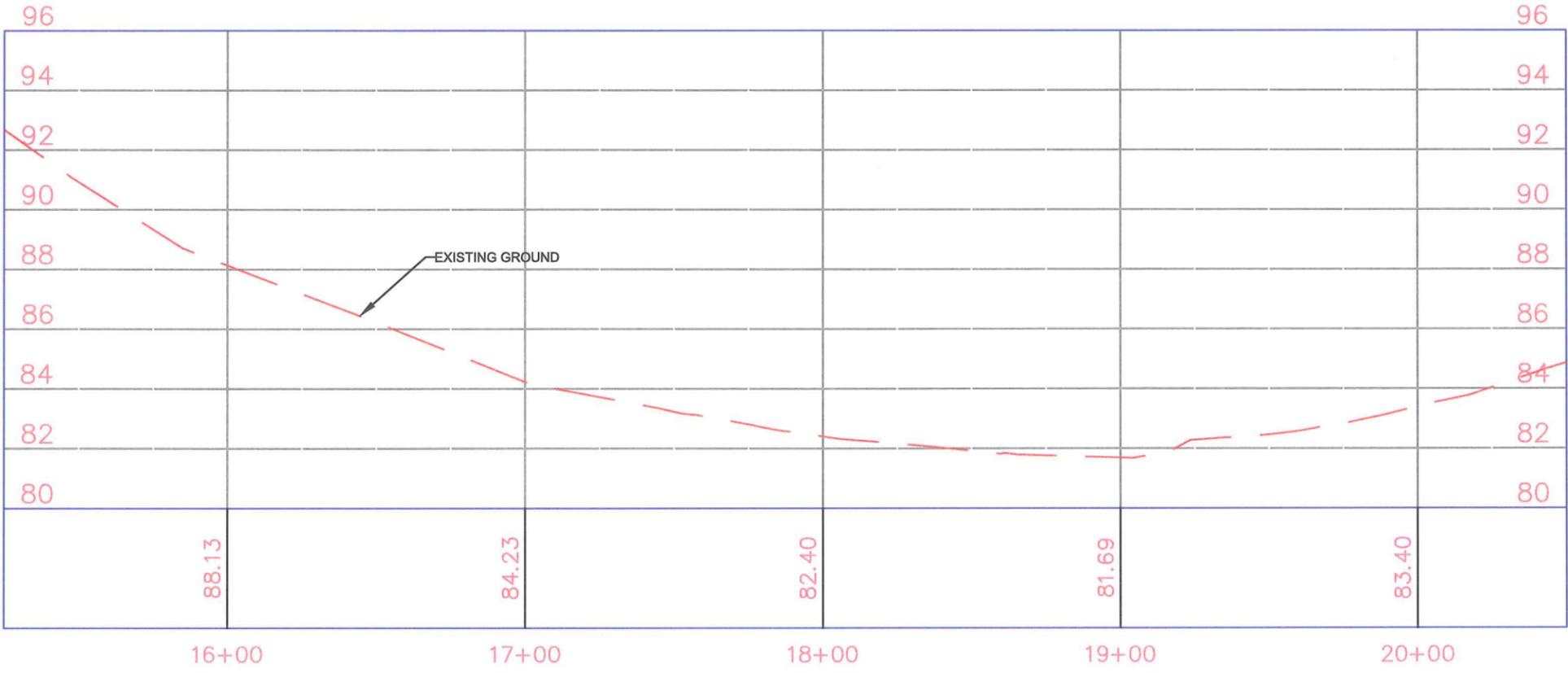


**LEGEND**

- IRON PIPE FOUND
- EX. POWER POLE
- EX. MAILBOX
- EX. UTILITIES BOX
- EX. SIGN
- EX. WATER VALVE
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- PROP. CENTERLINE
- PROP. EDGE OF PAVEMENT

LAKE MARION - CL PROFILE



HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'

Engineer	Rev.	Date	Description
D. Dennis			
Drawn By			
M. Armfield			
Checked By			
M. Hines			




Lake Marion Drive  
 Plan & Profile  
 (Sheet 2 of 5)

**DENNIS**  
 CORPORATION

CTC Package 2014-12  
 for  
 Calhoun County, South Carolina

August 2015 Calhoun County South Carolina

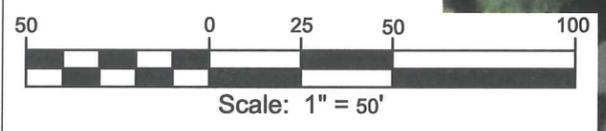
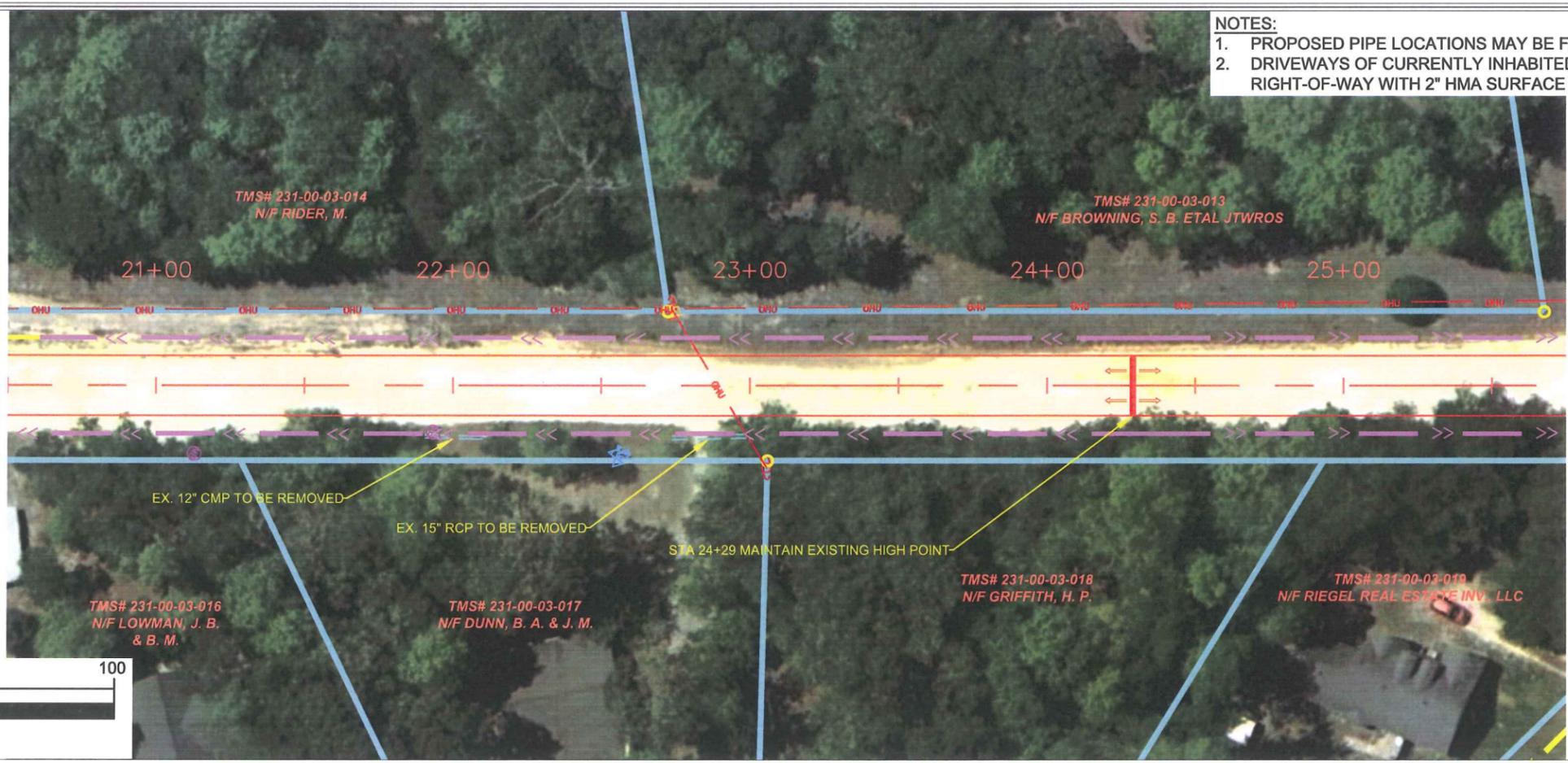
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Scale  
**1" = 50'**

Sheet  
**LM-04**

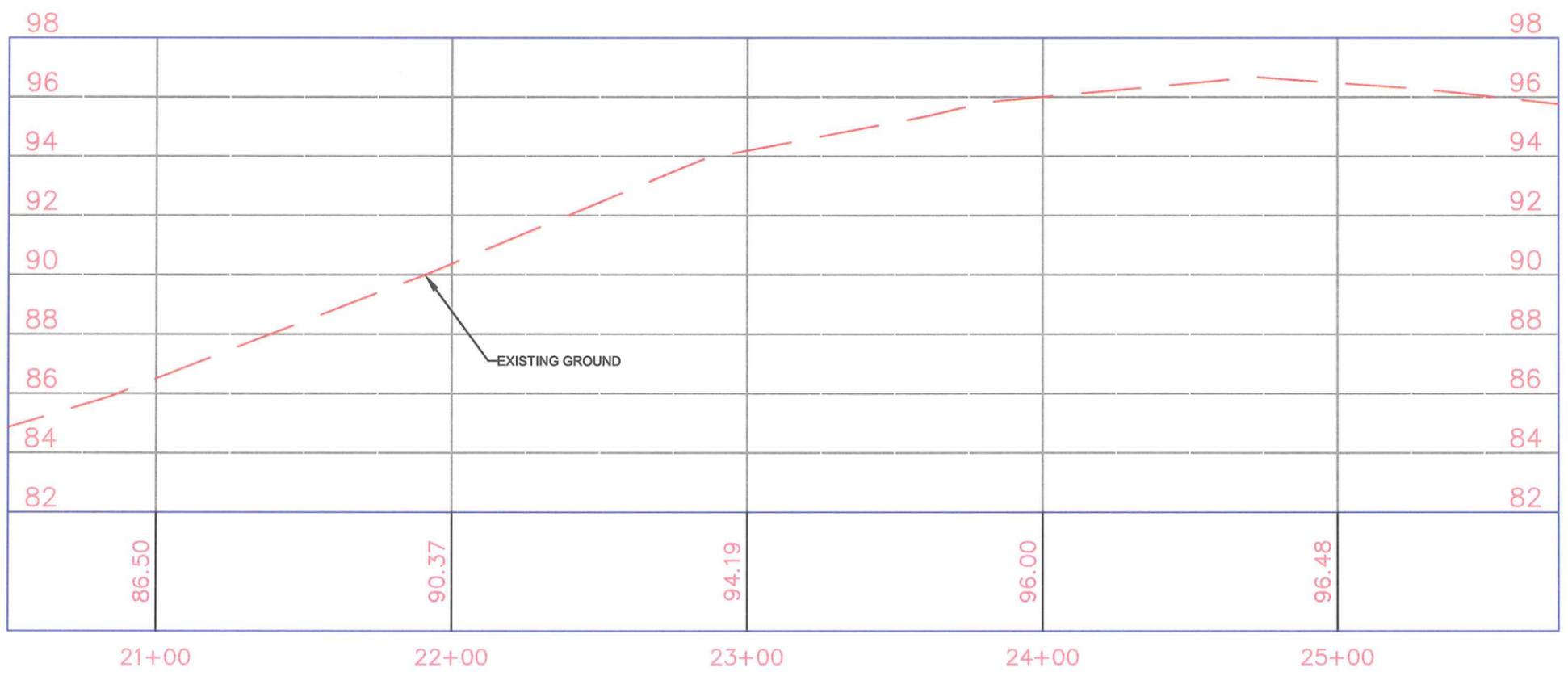


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PREVIOUS SHEET NUMBER: 2



MATCH LINE - 3  
T STATION - 25+75.00  
EXT SHEET NUMBER: 4

LAKE MARION - CL PROFILE



HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

Engineer	D. Dennis	Date		Description	
Drawn By	M. Armfield	Rev.			
Checked By	M. Hines				

Lake Marion Drive  
 Plan & Profile  
 (Sheet 3 of 5)  
**DENNIS**  
 CORPORATION  
 SOUTH CAROLINA  
 August 2015  
 Calhoun County  
 South Carolina

Project  
**C0057.01**  
 Scale  
**1" = 50'**  
 Sheet  
**LM-05**

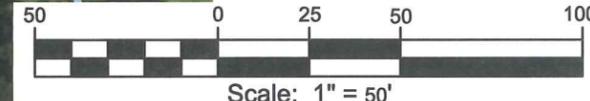
**NOTES:**

1. PROPOSED PIPE LOCATIONS MAY BE FIELD ADJUSTED AS NECESSARY.
2. DRIVEWAYS OF CURRENTLY INHABITED PARCELS SHALL BE PAVED TO EDGE OF RIGHT-OF-WAY WITH 2" HMA SURFACE COURSE AND COMPACTED EARTH BASE.

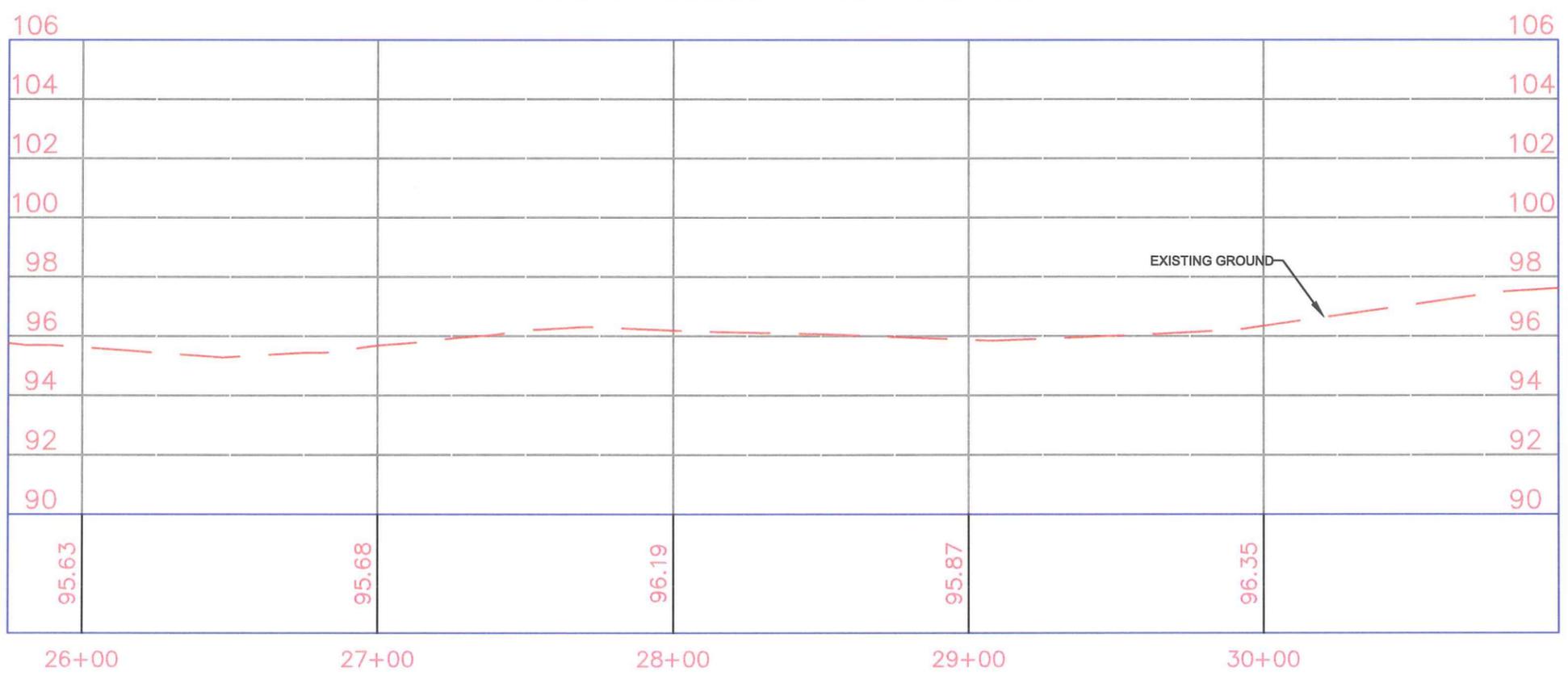


**LEGEND**

IRON PIPE FOUND	○
EX. POWER POLE	⊕
EX. MAILBOX	⊞
EX. UTILITIES BOX	⊞
EX. SIGN	⊞
EX. WATER VALVE	⊞
EX. HYDRANT	⊞
EX. UTILITY MARKER	⊞
EX. BRICK COLUMN	⊞
EX. DRAINAGE PIPE	—
EX. FENCE	—
EX. PROPERTY LINE	—
EX. OVERHEAD UTILITY	—
PROP. SWALE LINE	—
PROP. DITCH LINE	—
PROP. PIPE	—
PROP. CENTERLINE	—
PROP. EDGE OF PAVEMENT	—



LAKE MARION – CL PROFILE



HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'

Rev.	Date	Description

Engineer	D. Dennis
Drawn By	M. Armfield
Checked By	M. Hines

Professional Engineer Seal: DENNIS CORPORATION, NO. 3103, SOUTH CAROLINA

Professional Engineer Seal: CAROLINA CIVIL ENGINEERS, NO. 18318, DANIEL R. DENNIS, SOUTH CAROLINA

Lake Marion Drive  
 Plan & Profile  
 (Sheet 4 of 5)

**DENNIS**  
 CORPORATION

CTC Package 2014-12  
 for  
 Calhoun County, South Carolina

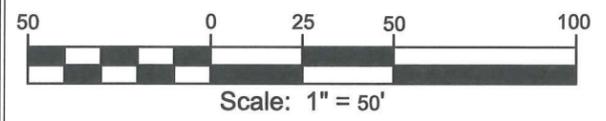
August 2015    Calhoun County    South Carolina

Project: C0057.01  
 Scale: 1" = 50'  
 Sheet: LM-06

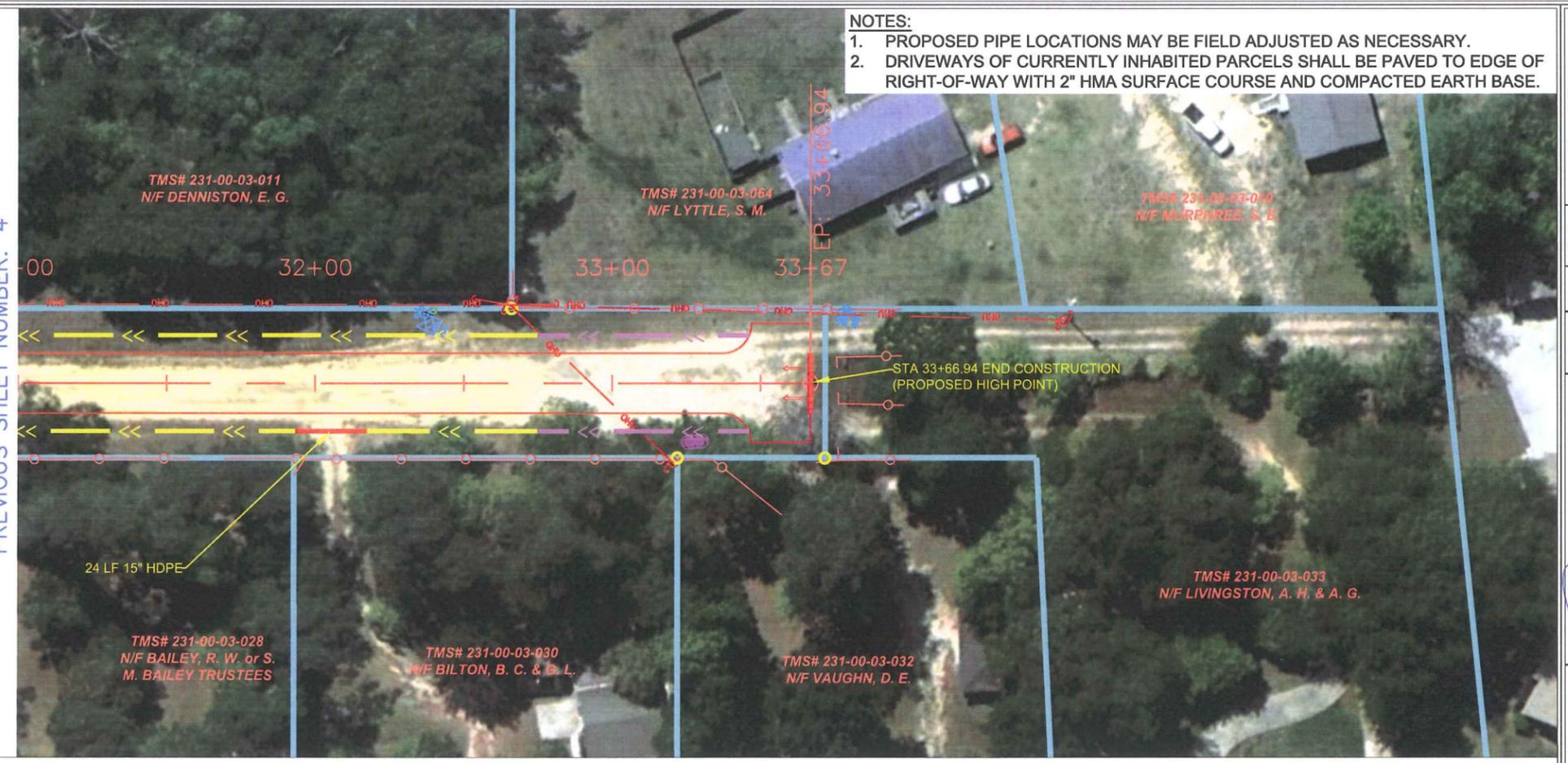


**LEGEND**

IRON PIPE FOUND	
EX. POWER POLE	
EX. MAILBOX	
EX. UTILITIES BOX	
EX. SIGN	
EX. WATER VALVE	
EX. HYDRANT	
EX. UTILITY MARKER	
EX. BRICK COLUMN	
EX. DRAINAGE PIPE	
EX. FENCE	
EX. PROPERTY LINE	
EX. OVERHEAD UTILITY	
PROP. SWALE LINE	
PROP. DITCH LINE	
PROP. PIPE	
PROP. CENTERLINE	
PROP. EDGE OF PAVEMENT	

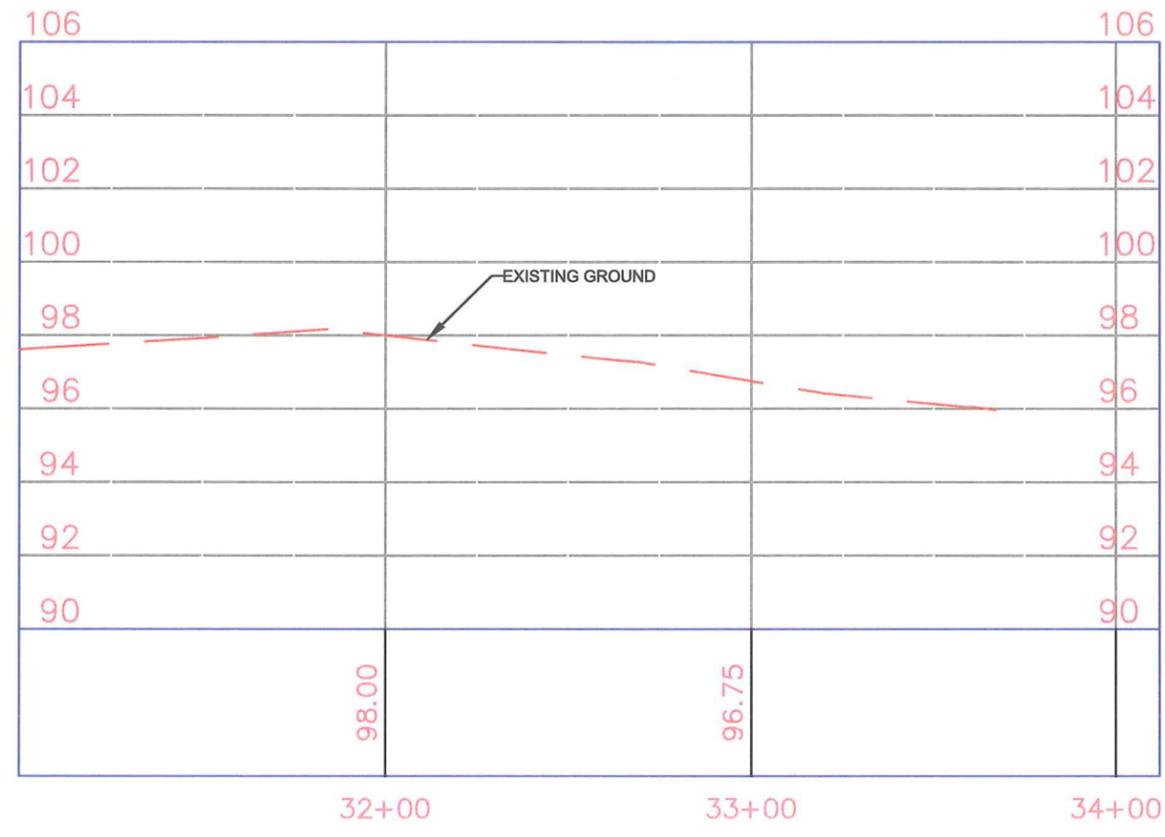


MATCH LINE - 4  
AT STATION - 31+00.00  
PREVIOUS SHEET NUMBER: 4



- NOTES:**
1. PROPOSED PIPE LOCATIONS MAY BE FIELD ADJUSTED AS NECESSARY.
  2. DRIVEWAYS OF CURRENTLY INHABITED PARCELS SHALL BE PAVED TO EDGE OF RIGHT-OF-WAY WITH 2" HMA SURFACE COURSE AND COMPACTED EARTH BASE.

LAKE MARION - CL PROFILE



HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

	Description	Date	Rev.	Engineer	Date
				D. Dennis	
				Drawn By	
				M. Armfield	
				Checked By	
				M. Hines	

Lake Marion Drive  
Plan & Profile  
(Sheet 5 of 5)

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August 2015    Calhoun County    South Carolina

Project  
**C0057.01**

Scale  
**1" = 50'**

Sheet  
**LM-07**