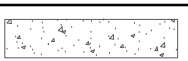
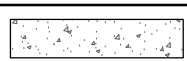







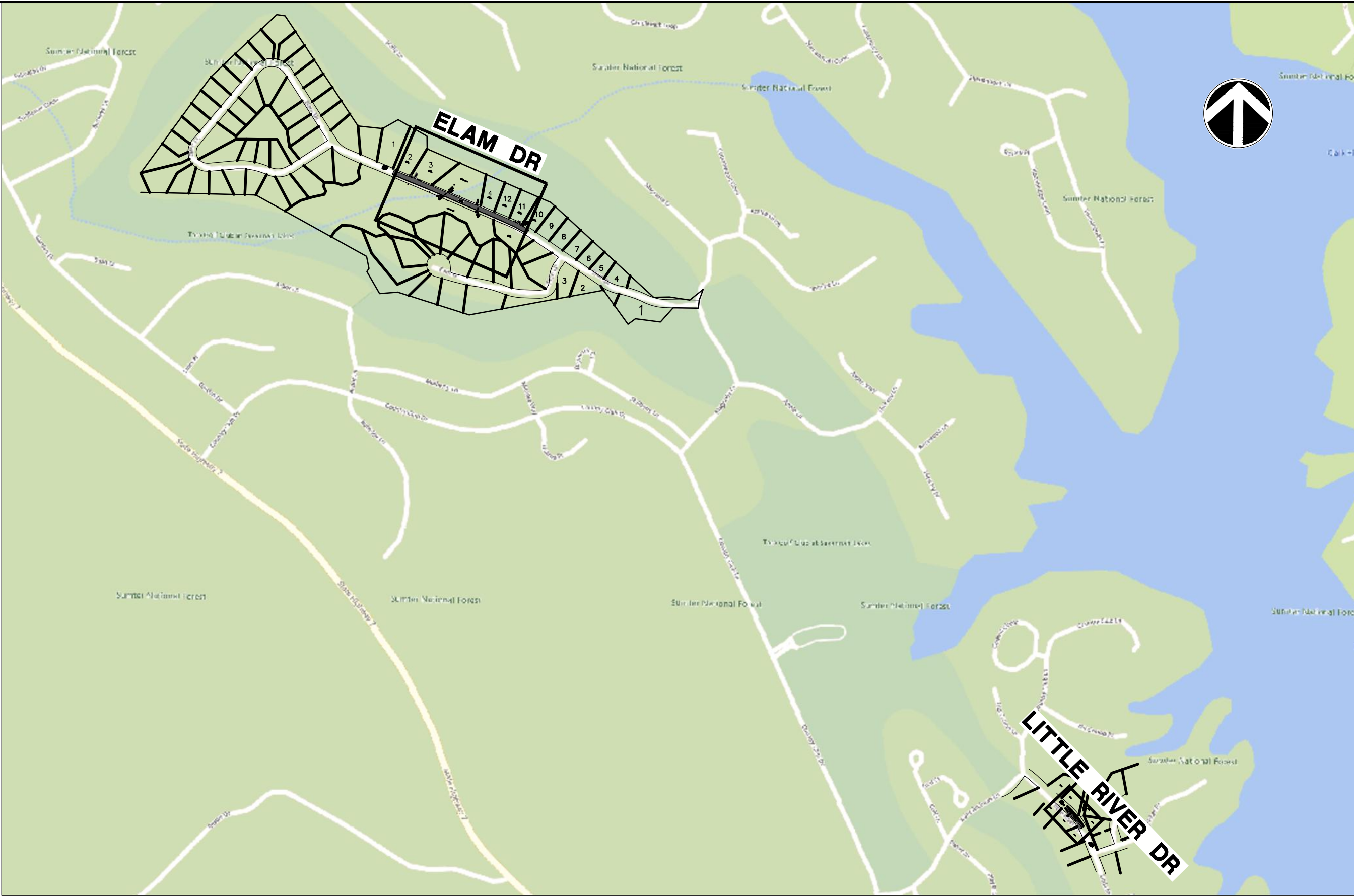


Z:\309645\309645.DWG 2023/08/19 10:00 AM

ABBREVIATIONS							
DBL	DOUBLE	FM	FORCE MAIN (SANITARY SEWER)	PC	POINT OF CURVE	TC	TOP OF CURB
BM	BENCHMARK	FP	FINISH PAD	PH	POST HYDRANT	TH	THROAT ELEVATION
CB	CATCH BASIN	FR	FRAME	PT	POINT OF TANGENT	TG	TOP OF GUTTER
CI	CURB INLET	GI	GRATE INLET	PVC	POLYVINYL CHLORIDE	TP	TOP OF PAVEMENT
CO	CLEAN OUT	GV	GATE VALVE	RCP	REINFORCED CONCRETE PIPE	TW	TOP OF WALK
CMP	CORRUGATED METAL PIPE	HDPE	HIGH DENSITY POLYETHYLENE	RC	ROLL CURB INLET	TYP	TYPICAL
DBL	DOUBLE	HI	HOODED INLET	RCP	REINFORCED CONCRETE PIPE	VI	VALLEY INLET
DI	DITCH INLET	INV	INVERT ELEVATION	RI	ROOF INLET	W	WATER
DIP	DUCTILE IRON PIPE	JB	JUNCTION BOX	RJP	RESTRAINED JOINT PIPE	W/	WITH
EL	ELEVATION	LF	LINEAR FEET	R/W	RIGHT-OF-WAY	WV	WATER VALVE
ES	END SECTION	MAX	MAXIMUM	SD	STORM DRAINAGE	YI	YARD INLET
FES	FLARED END SECTION	MIN	MINIMUM	SDMH	STORM DRAINAGE MANHOLE	YI	YARD INLET
FG	FINISH GRADE	MH	MANHOLE	SF	SQUARE FEET		
FH	FIRE HYDRANT	OC	ON CENTER	SS	SANITARY SEWER		

DRAINAGE LEGEND		
DESCRIPTION	EXISTING	PROPOSED
PIPE	---	---
HEADWALL		

OTHER UTILITIES LEGEND	
DESCRIPTION	EXISTING
TELEPHONE PEDESTAL	
POWER BOX	
CABLE TV	
SEWER VALVE	
WATER METER	
FIBER OPTIC POST	
MAILBOX	



INDEX

SCALE: 1" = 600'

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 48 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND INSPECTIONS.
- THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- SURVEYING AND BOUNDARY INFORMATION BY NEWBY LAND SURVEYING, LLC.
- ALL ELEVATIONS SHOWN ARE BASED ON NAVD88.
- TOPOGRAPHIC SURVEY BY NEWBY LAND SURVEYING, LLC.
- WETLAND DELINEATION AND USACE JURISDICTIONAL DETERMINATION COMPLETED BY THREE OAKS ENGINEERING ON AUGUST 4TH, 2023.
- CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
- THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
- IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL INSTALL ANY BARRICADES PRIOR TO BEGINNING CONSTRUCTION
- THE FOLLOWING NOTES ARE TO BE EXECUTED BY THE CONTRACTOR:
 - ANY DAMAGE TO EXISTING PAVEMENT MUST BE REPAIRED AT CONTRACTORS EXPENSE AND TO THE SATISFACTION OF THE COUNTY ENGINEER AND THE PROJECT ENGINEER.
 - ALL RIGHT-OF-WAY AND DRAINAGE EASEMENT CONSTRUCTION SHALL MEET SCDOT STANDARD SPECIFICATIONS UNLESS SPECIFIED ELSEWHERE AND APPROVED IN WRITING BY THE COUNTY ENGINEER.
 - WHERE FIELD INSPECTIONS ARE REQUIRED BY THE COUNTY, THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE SUCH INSPECTIONS.
 - A COMPLETE SET OF APPROVED DRAWINGS AND SPECIFICATIONS MUST BE MAINTAINED ON SITE AT ALL TIMES THAT THE CONTRACTOR IS PERFORMING WORK. THESE DRAWINGS SHALL BE MADE AVAILABLE UPON REQUEST. ANY REVISIONS DURING CONSTRUCTION WHICH ALTER THE CONSTRUCTION METHODS OR DRAINAGE MUST BE SUBMITTED AND APPROVED IN WRITING BY THE COUNTY ENGINEER.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL AND PREVENTION STRUCTURES SHOWN ON THE PLANS. BOTH MUST BE APPROVED BY MCCORMICK COUNTY PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- THE FOLLOWING NOTES ARE SPECIFIED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) AND ARE TO BE EXECUTED BY THE CONTRACTOR:
 - ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
 - 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 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 14 DAYS.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED. SILT BARRIERS WILL BE INSTALLED AS NECESSARY TO PREVENT EXCESSIVE SEDIMENTATION OF DOWNSTREAM AREAS. DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF "EROSION AND SEDIMENT CONTROL PRACTICES FOR DEVELOPING AREAS" BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL.
- CONTRACTOR SHALL GRADE AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
- ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION.
- ALL AREAS DISTURBED WILL BE GRASSED IMMEDIATELY AFTER THE INSTALLATION. GRASSING SHALL BE IN ACCORDANCE WITH SECTION 810 OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. CURRENT EDITION. PAYMENT SHALL BE AS SHOWN IN THE BID FORM AND SHALL BE COMPENSATION FOR ALL NECESSARY WORK AND MATERIALS TO COMPLETE THE SEEDING IN ACCORDANCE WITH THESE SPECIFICATIONS. (SEE SPECIFICATIONS BELOW)
- ALL DRAINAGE WILL BE MADE FUNCTIONAL DAILY AS WORK PROGRESSES.
- EACH EXISTING ROAD WILL BE CLEANED UP AND RESTORED DAILY.
- NEW PAVEMENT TO BE FLUSH WITH EDGE OF EXISTING PAVEMENT.
- ALL STORM DRAIN PIPE INVERTS IN AND OUT ARE THE SAME AS THE BOX INVERT UNLESS OTHERWISE NOTED ON THE PLAN SHEETS AND/OR PROFILES.

GENERAL INFORMATION

COUNTY MCCORMICK COUNTY
TOWN MCCORMICK, SC
ZONING P-D

OWNER:
MCCORMICK COUNTY PUBLIC WORKS
610 SOUTH MINE STREET
MCCORMICK, SC 29835
864-852-0443

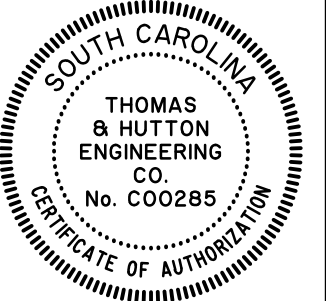
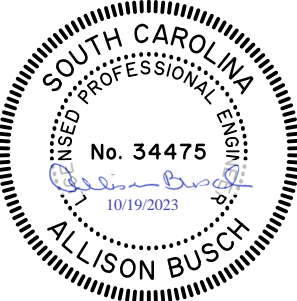
ENGINEER:
THOMAS & HUTTON
1501 MAIN ST SUITE 400
COLUMBIA, SC 29201
803-451-6789

SURVEYOR:
NEWBY LAND SURVEYING, LLC
100 N MAIN ST
PO BOX 26
PLUM BRANCH, SC 29845
864-443-3500

PREPARED FOR:
MCCORMICK COUNTY PUBLIC
WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835



NO.	REVISIONS	BY	DATE



1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

GENERAL NOTES AND INDEX

MCCORMICK COUNTY CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

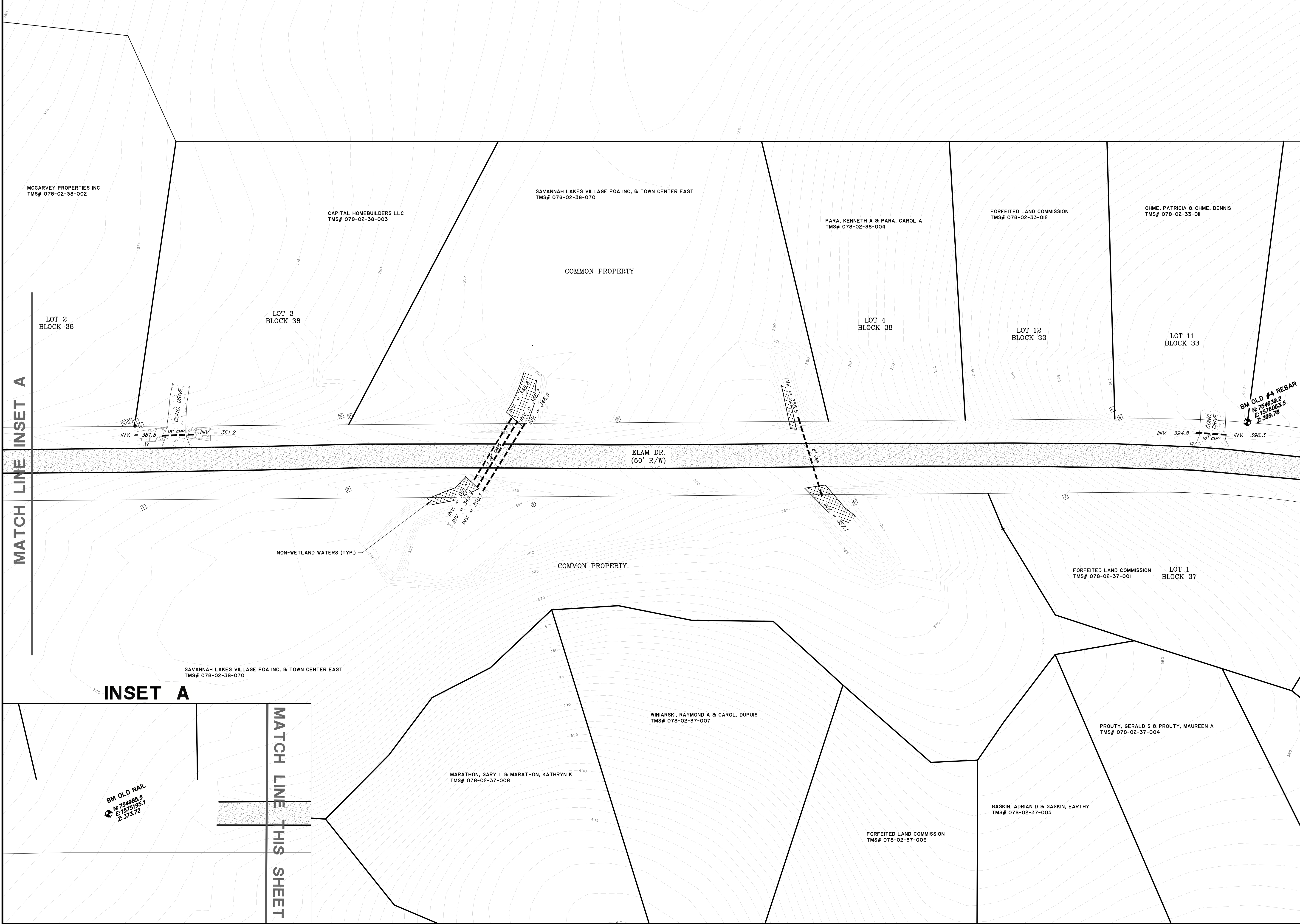
CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

DATUM: HORIZ.: NAD83 VERT.: NAVD88

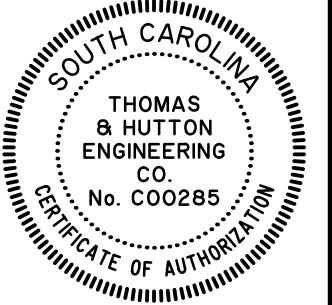
JOB NO: 30856.0003
DATE: 10/19/2023
DRAWN: DAF
DESIGNED: DAF
REVIEWED: AMB
APPROVED: AMB
SCALE: N/A

G0.1

23 JORNO, 20855, 002A, 10/19/2023, 10:00 AM



NO.	REVISIONS	BY	DATE



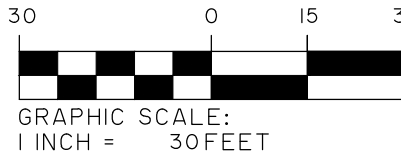
1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasonhutton.com

EXISTING CONDITIONS -
ELAM DR

MCCORMICK COUNTY
CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835



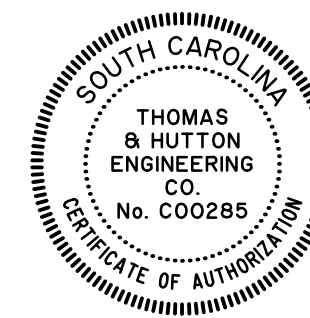
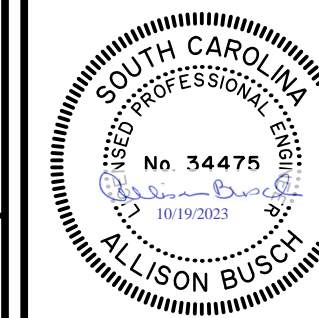
DATUM: HORIZ.: NAD83

VERT.: NAVD86

JOB NO: 30856.0003
DATE: 10/19/2023
DRAWN: DAF
DESIGNED: DAF
REVIEWED: AMB
APPROVED: AMB
SCALE: 1" = 30'

EX1.1

No.	REVISIONS	BY	DATE	



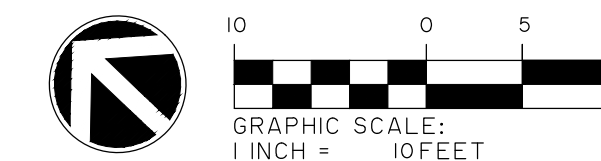
1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.678
www.thomasandhutton.com

EXISTING CONDITIONS -
LITTLE RIVER DR

MCCORMICK COUNTY
CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

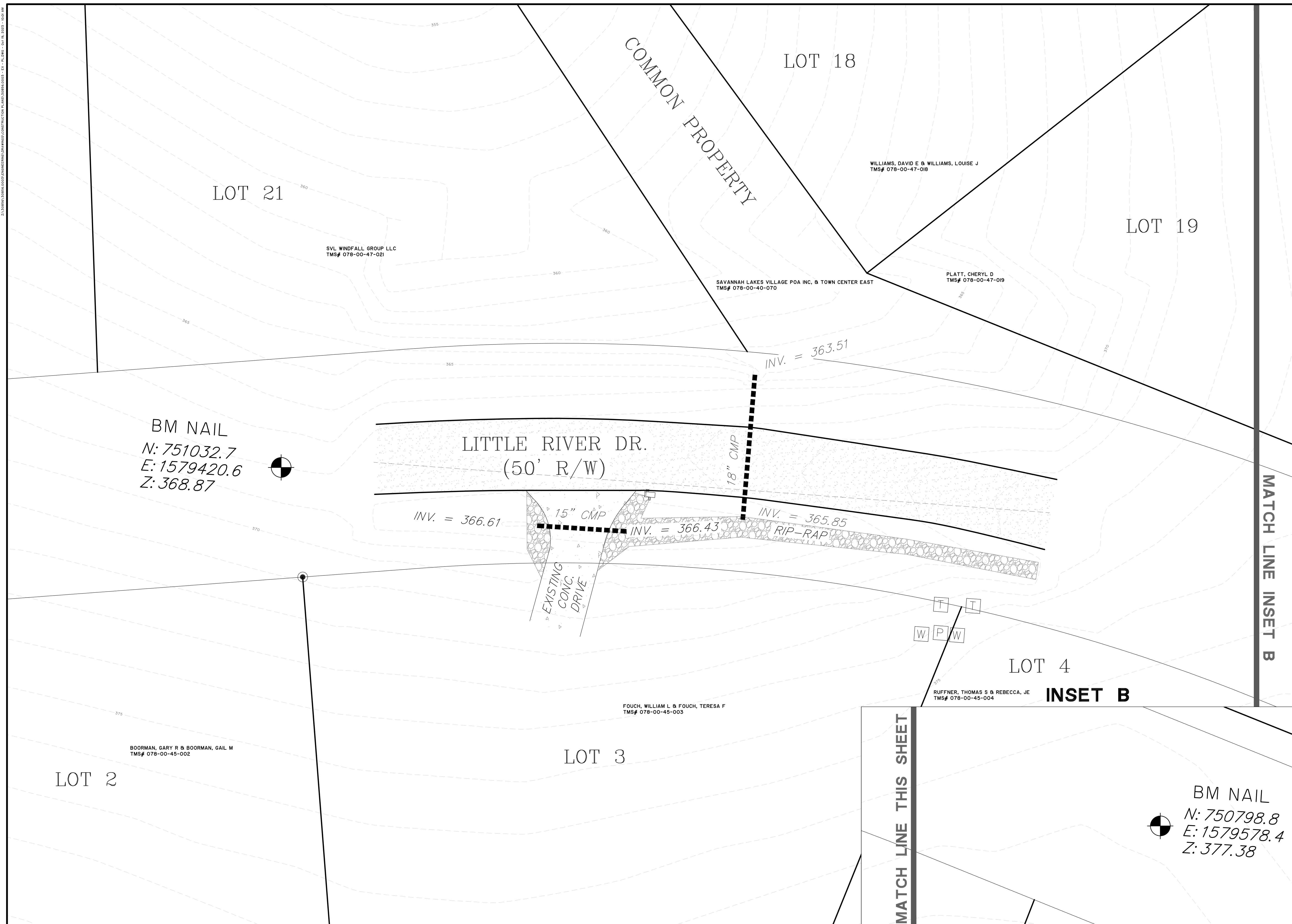
CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

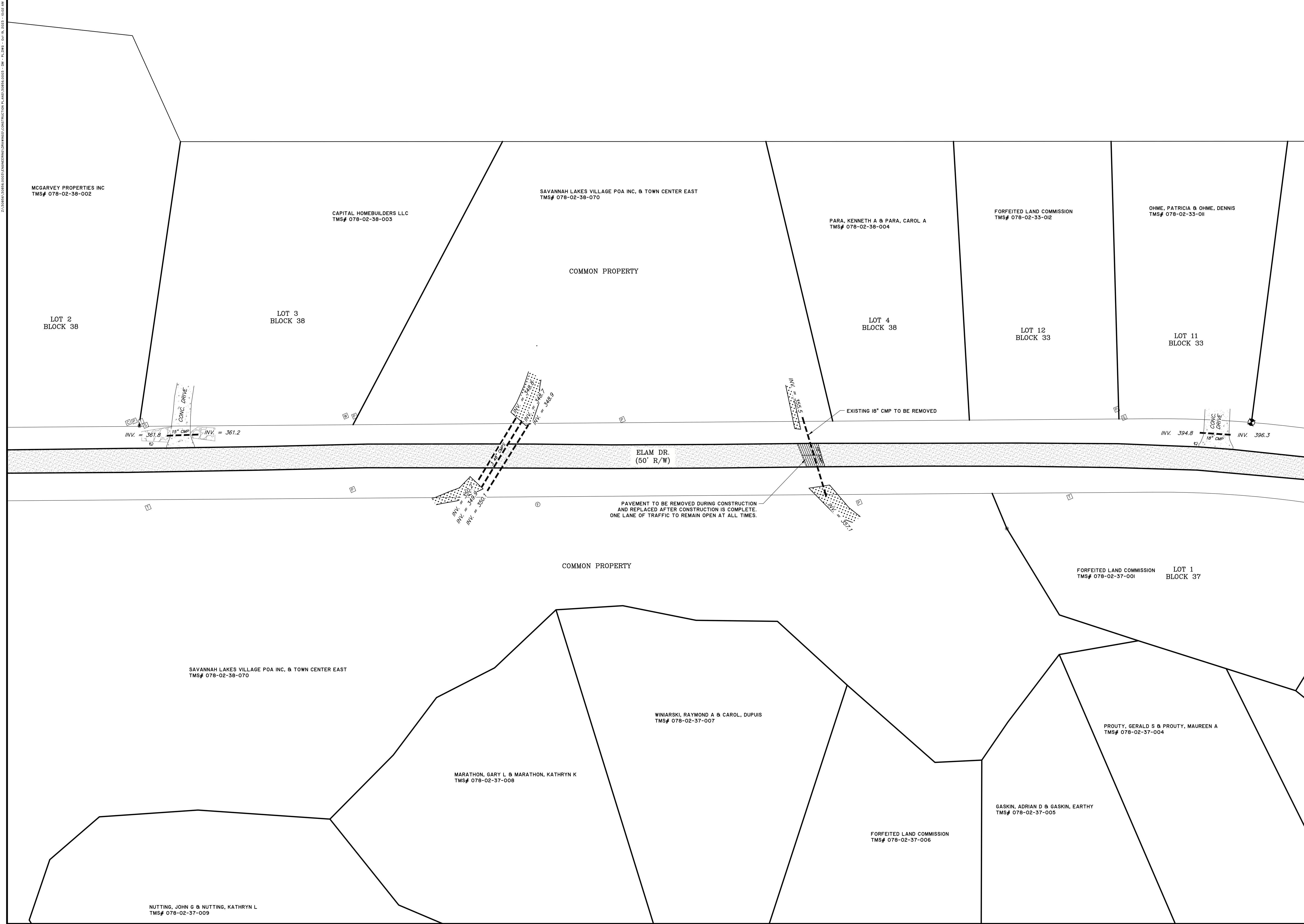


DATUM: HORIZ.: NAD83 VERT.: NAVD83

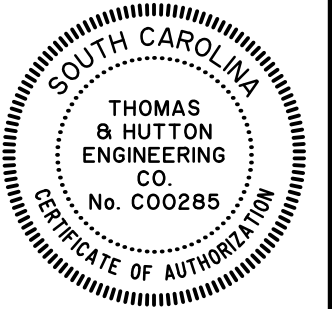
JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	1" = 10'

EX1.2





NO.	REVISIONS	BY	DATE



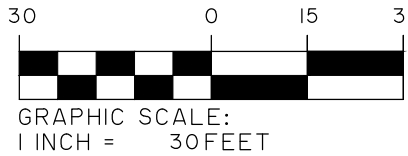
1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

DEMOLITION PLAN - ELAM DR

MCCORMICK COUNTY
CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835



DATUM: HORIZ.: NAD83 VERT.: NAVD86


















JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	1" = 30'

DM1.1

[illegible]

LIST OF ACRONYMS FOR SEDIMENT AND EROSION CONTROL

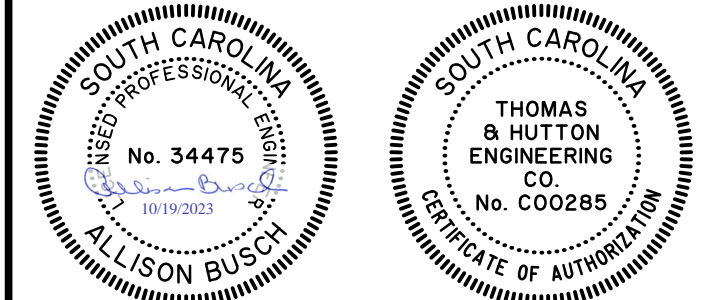
ASHSTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AMD	ACRYLAMIDE POLYMER
BFM	BONDED FIBER MATRIX
BMP(S)	BEST MANAGEMENT PRACTICE(S)
CFS	CUBIC FEET PER SECOND
CMP	CORRUGATED METAL PIPE
DHEC	DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ECB	EROSION CONTROL BLANKET
EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPSC	EROSION PREVENTION AND SEDIMENTATION CONTROL
FDA	UNITED STATES FOOD AND DRUG ADMINISTRATION
FGM	FLEXIBLE GROWTH MATRIX
HDPE	HIGH DENSITY POLYETHYLENE
MS4	MUNICIPAL SEPARATE STORM SEWER SYSTEM
MSDS	MATERIAL SAFETY DATA SHEETS
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PAM	POLYACRYLAMIDE OR POLYMER
RCP	REINFORCED CONCRETE PIPE
SCS	SOIL CONSERVATION SERVICE
SWPPP	STORMWATER POLLUTION PREVENTION PROGRAM
TRM	TURF REINFORCEMENT MAT
VFS	VEGETATED FILTER STRIP

DESCRIPTION	PLAN SYMBOL
ROCK CHECK DAM	 OR 
POROUS BAFFLES	
STABILIZED CONSTRUCTION ENTRANCE	
CONCRETE WASHOUT	
STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC	
STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE	
STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
STORM DRAIN INLET PROTECTION - TYPE C BLOCK AND GRAVEL	
STORM DRAIN INLET PROTECTION - TYPE D RIGID INLET FILTER	
STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	
STORM DRAIN INLET PROTECTION - TYPE F INLET TUBE	
STORM DRAIN INLET PROTECTION - TYPE G IMPERVIOUS AREA	
STORM DRAIN INLET PROTECTION - CATCH BASIN INSERT	
PIPE SLOPE DRAINS	
TEMPORARY STREAM CROSSING	
LEVEL SPREADER	



McCormick
COUNTY | SOUTH CAROLINA

No.	REVISIONS	BY	DATE



1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

EROSION CONTROL NOTES

MCCORMICK COUNTY CULVERTS

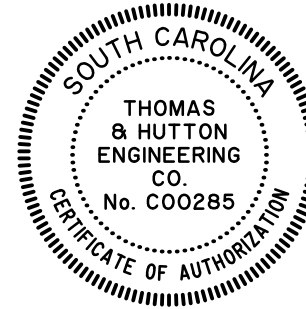
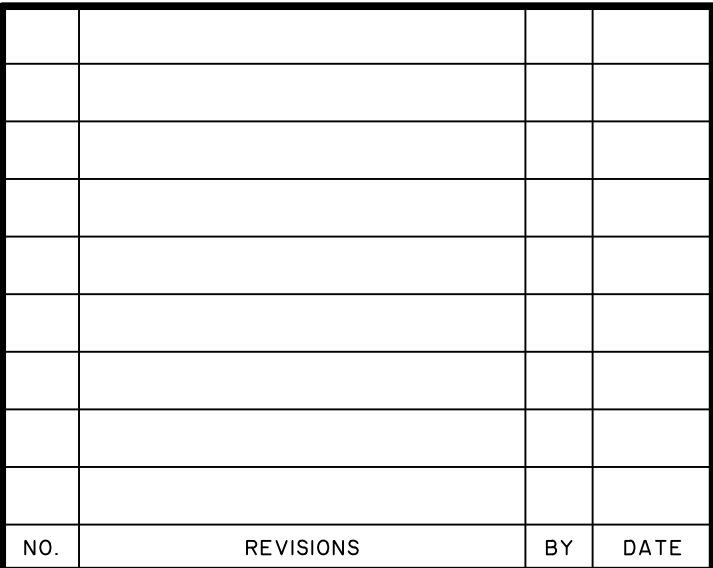
PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

DATUM: HORIZ.: NAD83 VERT.: NAVD86

JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	N/A

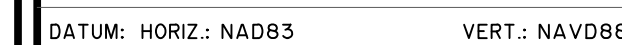
ECO.2



MCCORMICK COUNTY
CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

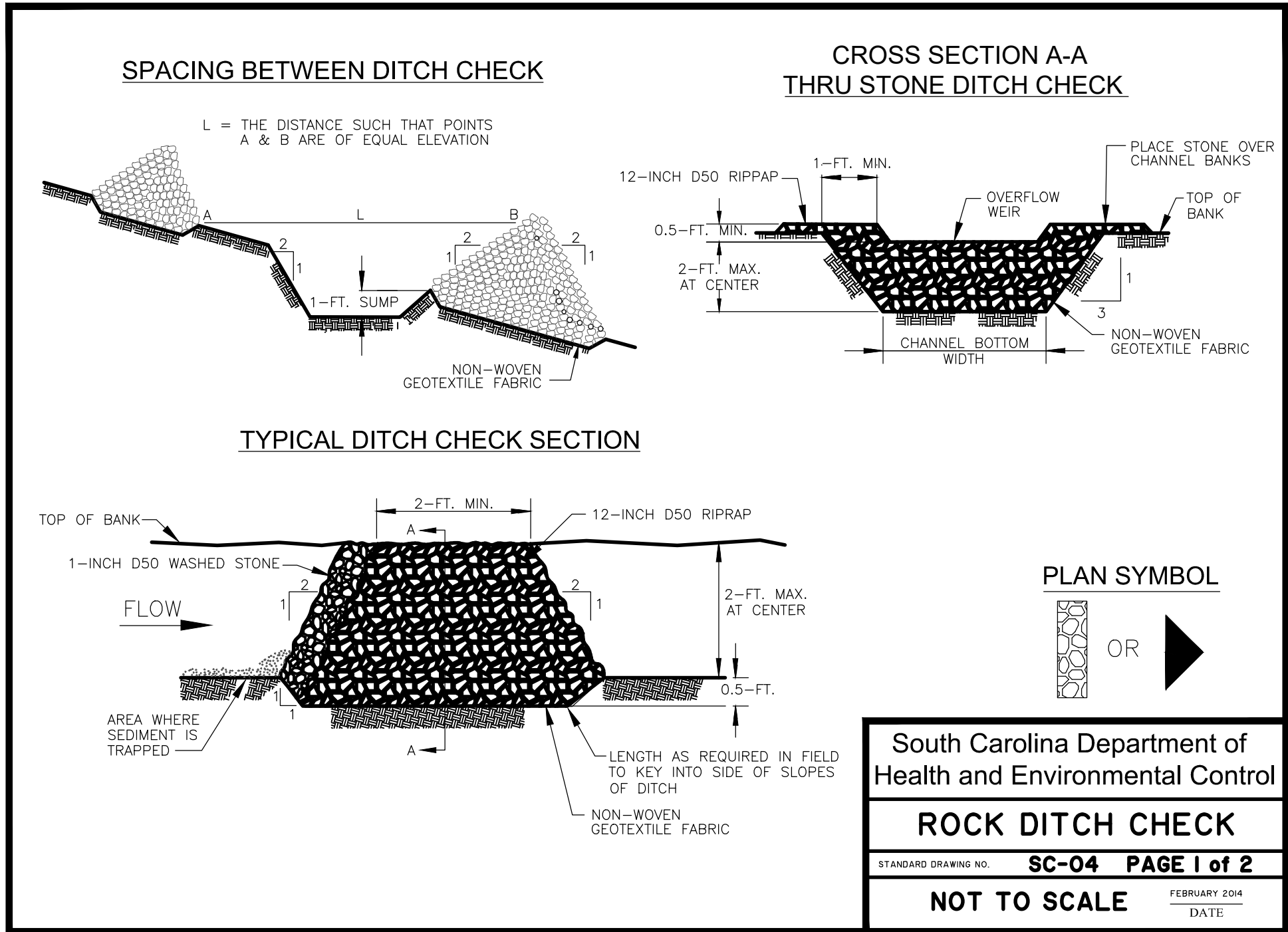
CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835



JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	1" = 10'

EC1.2

20 SOUTH CAROLINA 2020S CHANNELS.DWG (A) 10/19/2023 10:00 AM



ROCK DITCH CHECK - GENERAL NOTES

1. Rock Ditch Checks should not be placed in Waters of the State or USGS blue-line streams (unless approved by Federal Authorities).
2. Rock Ditch Checks should be installed in steeply sloped channels where adequate vegetation cannot be established. This BMP measure should only be used in small open channels.
3. A non-woven geotextile fabric shall be installed over the soil surface where the rock ditch check is to be placed.
4. The body of the rock ditch check shall be composed of 12-inch D50 Riprap. The upstream face may be composed of 1-inch D50 washed stone.
5. Rock Ditch Checks should not exceed a height of 2-feet at the centerline of the channel.
6. Rock Ditch Checks should have a minimum top flow length of 2-feet.
7. Riprap should be placed over channel banks to prevent water from cutting around the ditch check.
8. The riprap should be placed by hand or mechanical placement (no dumping of rock to form dam) to achieve complete coverage of the channel. Doing so will also ensure that the center of the check is lower than the edges.
9. The maximum spacing between the dams should be such that the toe of the upstream check is at the same elevation as the top of the downstream check.

ROCK DITCH CHECK - INSPECTION & MAINTENANCE

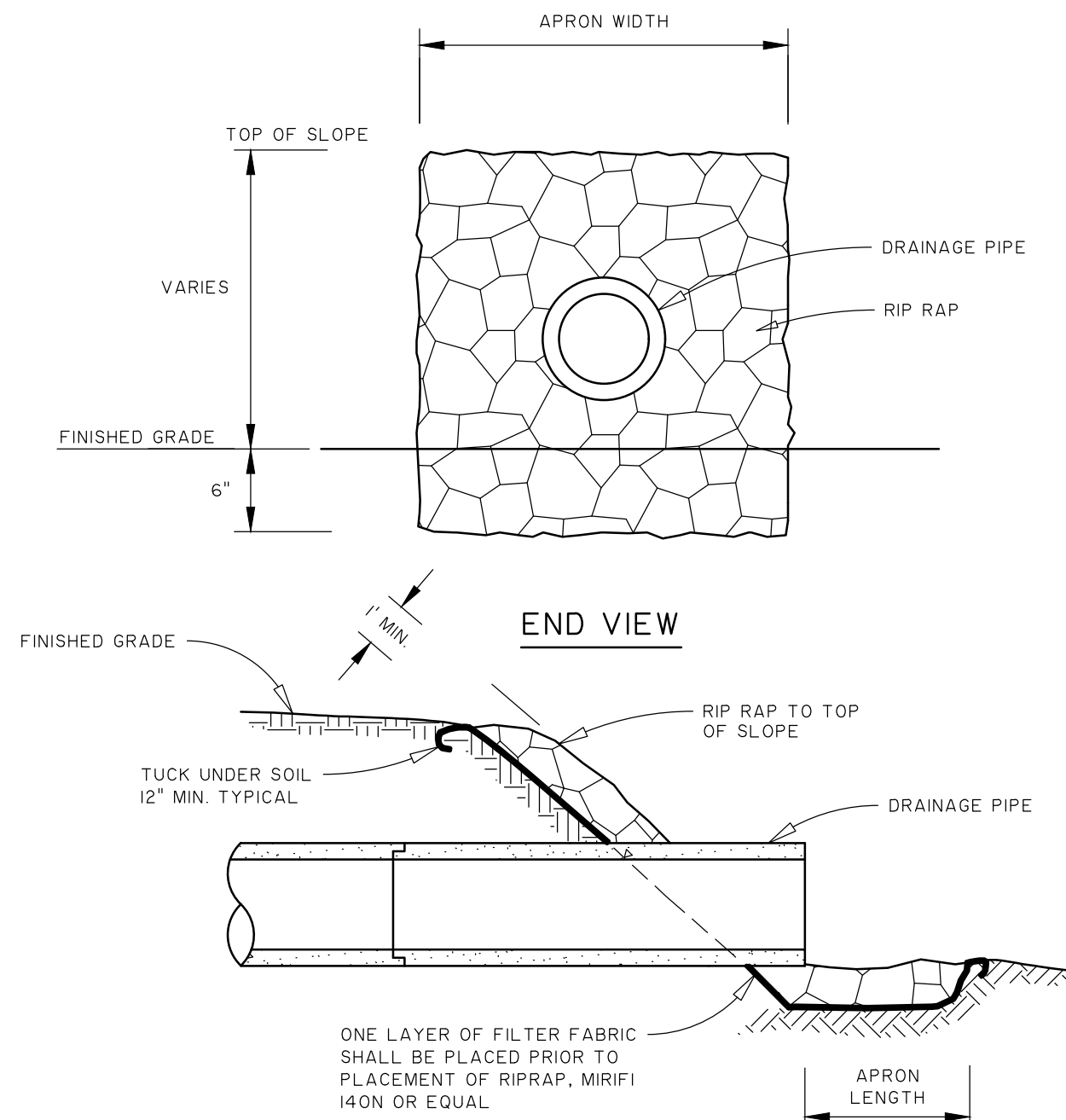
1. The key to functional rock ditch check is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of rock ditch checks shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the rock ditch check is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the rock ditch check.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Inspect Rock Ditch Checks' edges for erosion and evidence of runoff bypassing the installed check. If evident repair promptly as necessary to prevent erosion and bypassing.
7. In the case of grass-lined ditches, channels, and swales, rock ditch checks should be removed when the grass has matured sufficiently to protect the ditch or swale unless the slope of the swale is greater than 4%.
8. After construction is completed and final stabilization is reached, the entirety of the rock ditch check should be removed if vegetation will be used for permanent erosion control measures. The area beneath the removed rock ditch check must be addressed with permanent stabilization measures.

South Carolina Department of Health and Environmental Control

ROCK DITCH CHECK

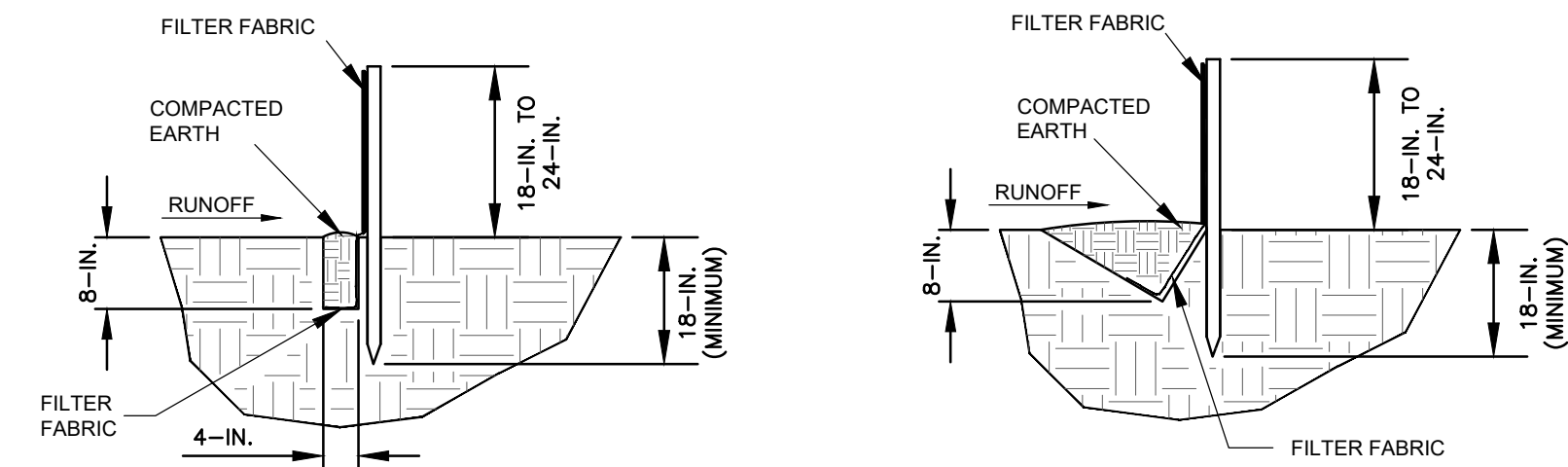
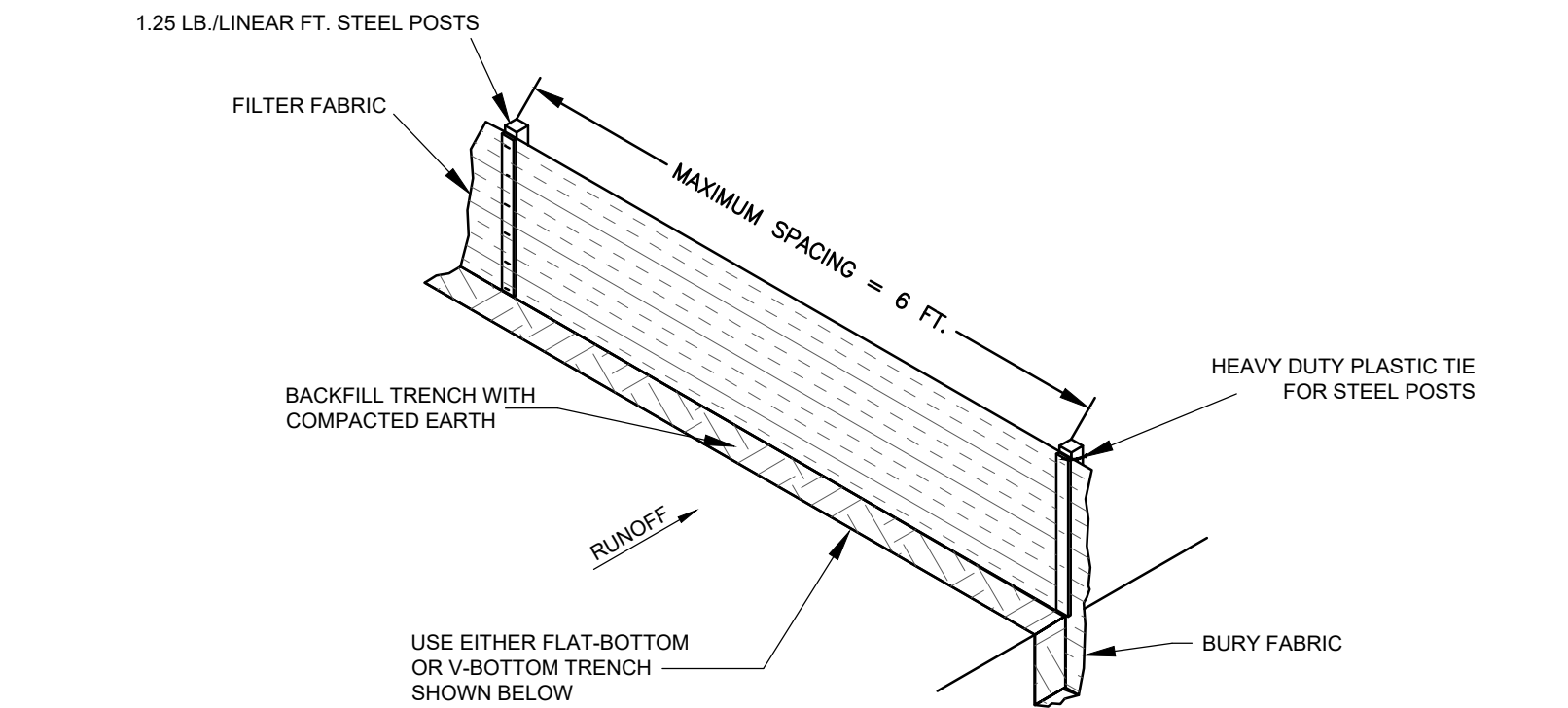
STANDARD DRAWING NO. **SC-04** PAGE **2** of **2**

GENERAL NOTES FEBRUARY 2014 DATE



RIP RAP DETAIL

NOT TO SCALE



WHEN AND WHERE TO USE IT:
SILT FENCE IS APPLICABLE IN AREAS:

WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100-FEET.
WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO FENCE LINE) IS 2H:1V.
THAT DO NOT RECEIVE CONCENTRATED FLOWS GREATER THAN 0.5 CFS.

DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

MATERIALS:
STEEL POSTS
USE 48-INCH LONG STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
• COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI
• HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
• WEIGH 1.25 POUNDS PER FOOT (± 8%).
• HAVE A SOIL STABILIZATION PLATE WITH A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES ATTACHED TO THE STEEL POSTS. PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.

USE STEEL POSTS WITH A MINIMUM LENGTH OF 4-FEET, WEIGHING 1.25 POUNDS PER LINEAR FOOT (± 8%) WITH PROJECTIONS TO AID IN FASTENING THE FABRIC. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON SITE, STEEL POSTS WILL HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW THE GROUND LEVEL FOR ADDED STABILITY.
THE SOIL PLATES SHOULD HAVE THE FOLLOWING CHARACTERISTICS:
• BE COMPOSED OF MINIMUM 15 GAUGE STEEL.
• HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES.

GEOTEXTILE FILTER FABRIC:
FILTER FABRIC IS:
• COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES.
• FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER.
• FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION.
• FREE OF DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES.
• CUT TO A MINIMUM WIDTH OF 36 INCHES.

USE ONLY FABRIC APPEARING ON SCDOT APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

INSTALLATION:
EXCAVATE A TRENCH APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP WHEN PLACING FABRIC BY HAND. PLACE 12-INCHES OF GEOTEXTILE FABRIC INTO THE 6-INCH DEEP TRENCH, EXTENDING THE REMAINING 6-INCHES TOWARDS THE UPSLOPE SIDE OF THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR GRAVEL AND COMPACT. BURY 12-INCHES OF FABRIC INTO THE GROUND WHEN PNEUMATICALLY INSTALLING SILT FENCE WITH A SLICING METHOD. PURCHASE FABRIC IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, WRAP THE FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 6-INCH MINIMUM OVERLAP. INSTALL POSTS TO A MINIMUM DEPTH OF 24-INCHES. INSTALL POSTS A MINIMUM OF 1- TO 2- INCHES ABOVE THE FABRIC, WITH NO MORE THAN 3-FEET OF THE POST ABOVE THE GROUND. SPACE POSTS TO MAXIMUM 6-FEET CENTERS. ATTACH FABRIC TO WOOD POSTS USING STAPLES MADE OF HEAVY-DUTY WIRE AT LEAST 1-1/2-INCH LONG, SPACED A MAXIMUM OF 6-INCHES APART. STAPLE A 2-INCH WIDE LATHE OVER THE FILTER FABRIC TO SECURELY FASTEN IT TO THE UPSLOPE SIDE OF WOODEN POSTS. ATTACH FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN CALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES. INSTALL THE FABRIC A MINIMUM OF 24-INCHES ABOVE THE GROUND. WHEN NECESSARY, THE HEIGHT OF THE FENCE ABOVE GROUND MAY BE GREATER THAN 24-INCHES. IN TIDAL AREAS, EXTRA SILT FENCE HEIGHT MAY BE REQUIRED. THE POST HEIGHT WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING WILL REMAIN THE SAME AND EXTRA HEAVY FABRIC WILL BE 4-, 5-, OR 6- FEET TALL. LOCATE SILT FENCE CHECKS EVERY 100 FEET MAXIMUM AND AT LOW POINTS. INSTALL THE FENCE PERPENDICULAR TO THE DIRECTION OF FLOW AND PLACE THE FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.

INSPECTION AND MAINTENANCE:
CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING. IF THE FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR

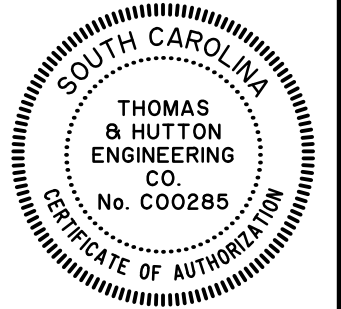
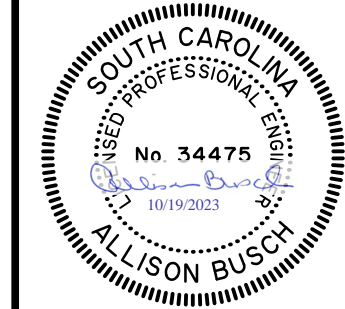
AFTER TEMPORARY BEST MANAGEMENT PRACTICES (BMPs) ARE NO LONGER NEEDED. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

SILT FENCE

NOT TO SCALE



NO.	REVISIONS	BY	DATE



1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasonhutton.com

EROSION CONTROL DETAILS

MCCORMICK COUNTY CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

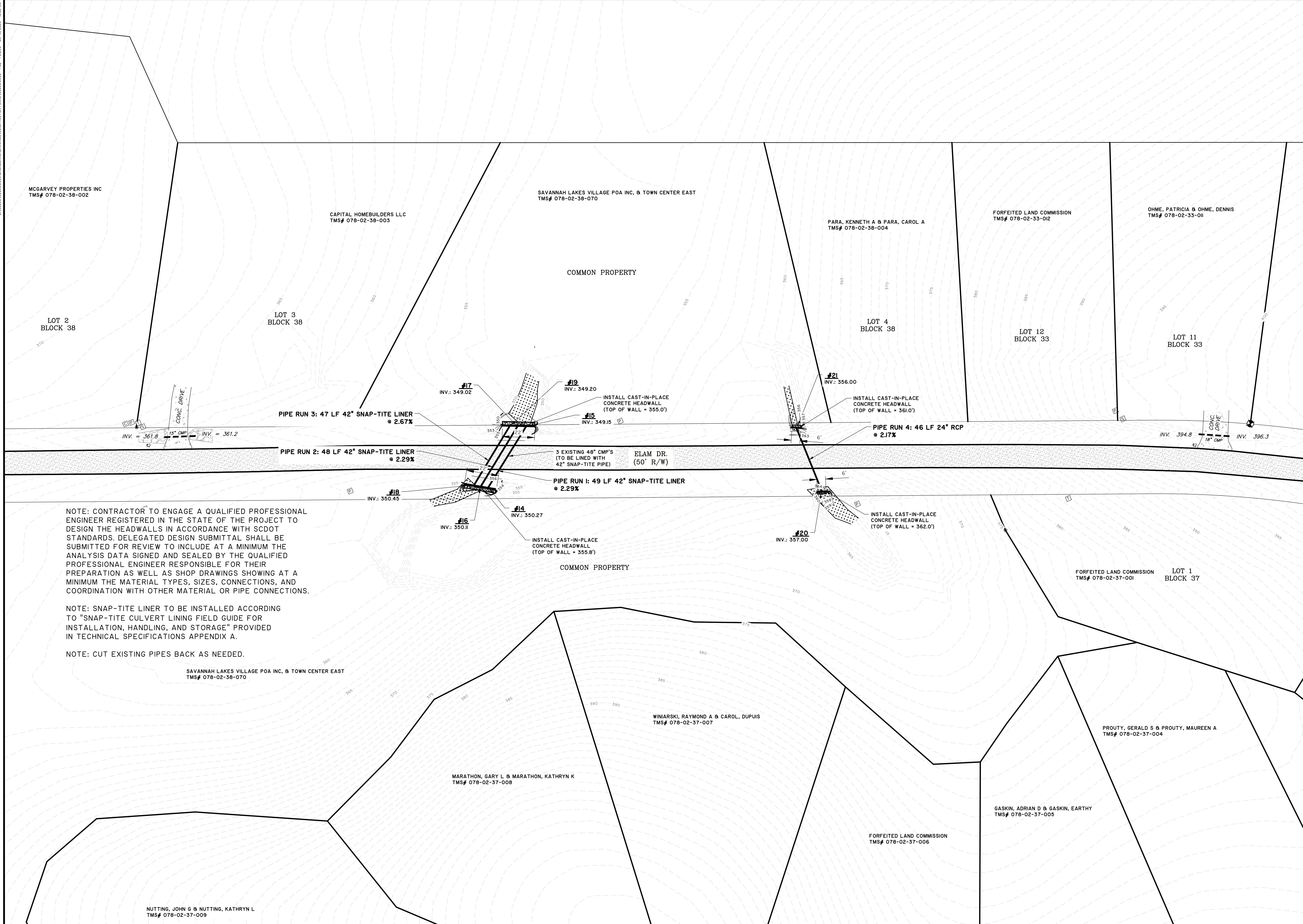
DATUM: HORIZ.: NAD83

VERT.: NAVD86

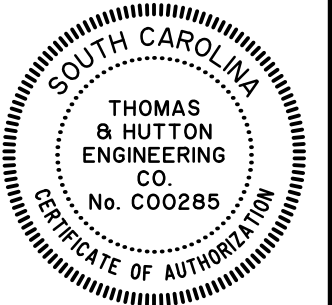
JOB NO.: 30856.0003
DATE: 10/19/2023
DRAWN: DAF
DESIGNED: DAF
REVIEWED: AMB
APPROVED: AMB
SCALE: N/A

EC4.1

2/3/2023 10:14:53 AM: C:\Users\johndupuis\OneDrive\Documents\Projects\Elam Dr\Elam Dr.dwg - 10/19/2023 - 10:02 AM



NO.	REVISIONS	BY	DATE



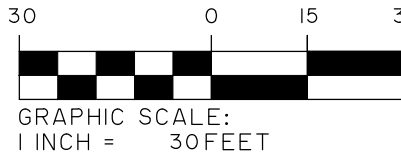
1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

PAVING, GRADING, AND DRAINAGE PLANS - ELAM DR

MCCORMICK COUNTY CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

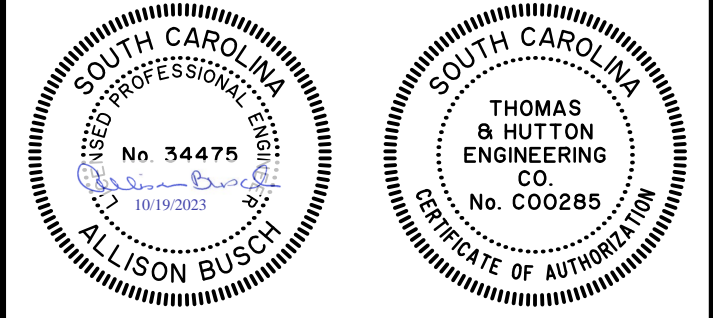
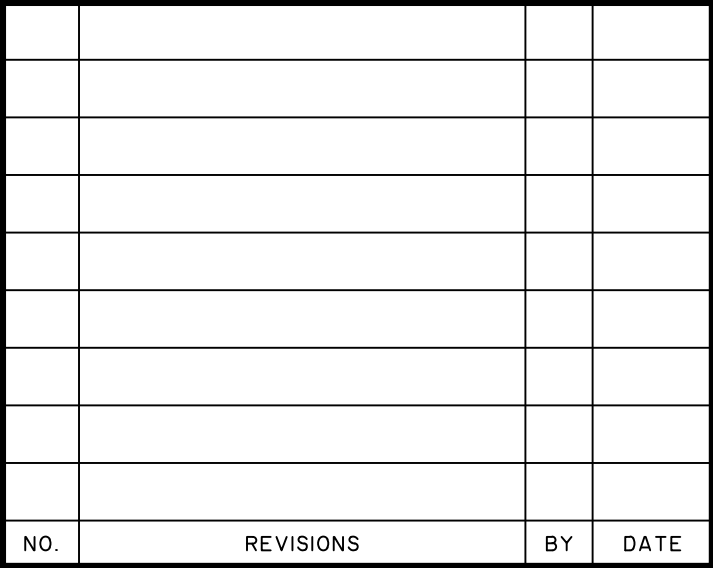
CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835



DATUM: HORIZ.: NAD83 VERT.: NAVD86

JOB NO: 30856.0003
DATE: 10/19/2023
DRAWN: DAF
DESIGNED: DAF
REVIEWED: AMB
APPROVED: AMB
SCALE: 1" = 30'

C1.1



PAVING, GRADING, AND DRAINAGE PLANS - LITTLE RIVER DR

MCCORMICK COUNTY
CULVERTS

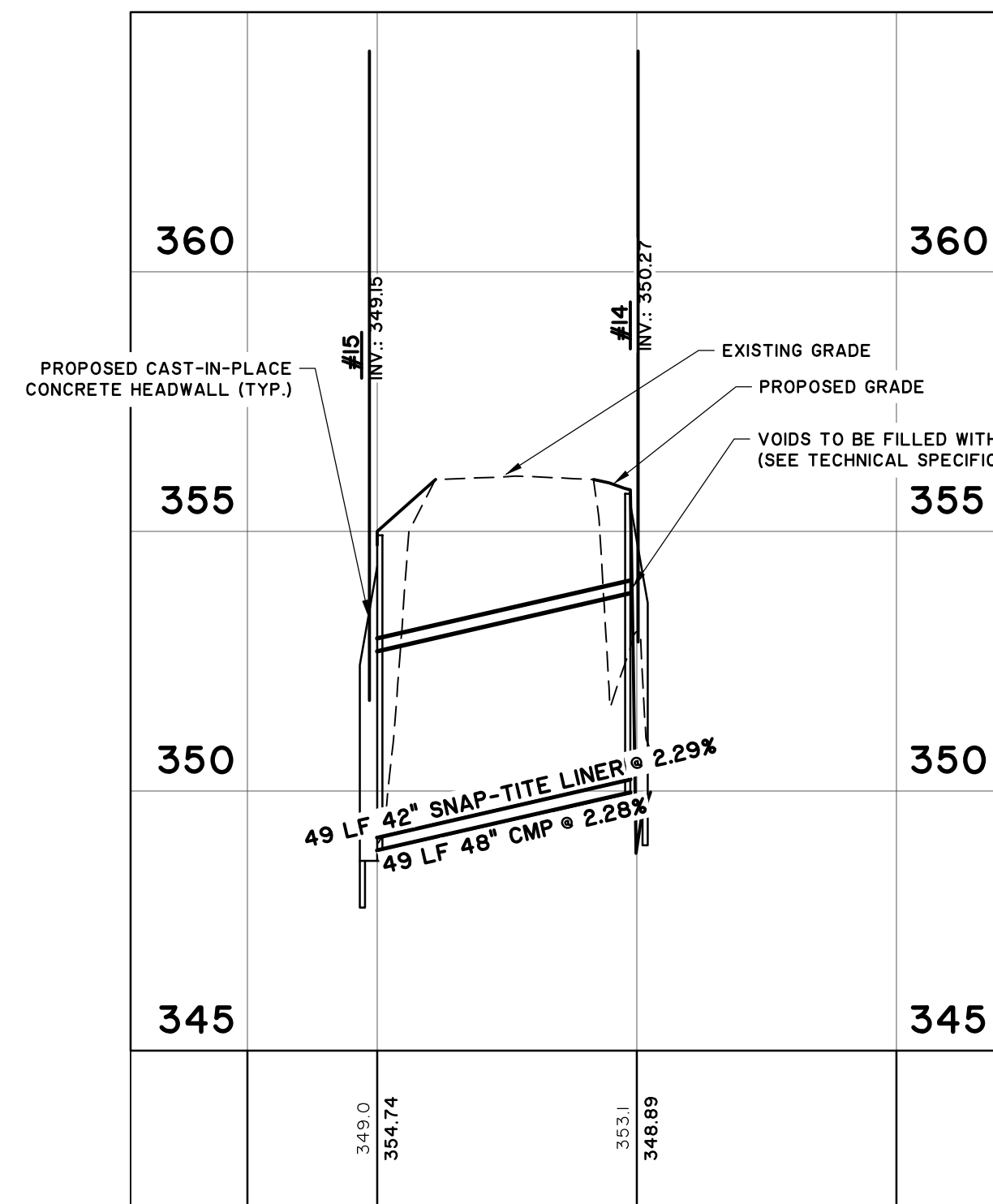
PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

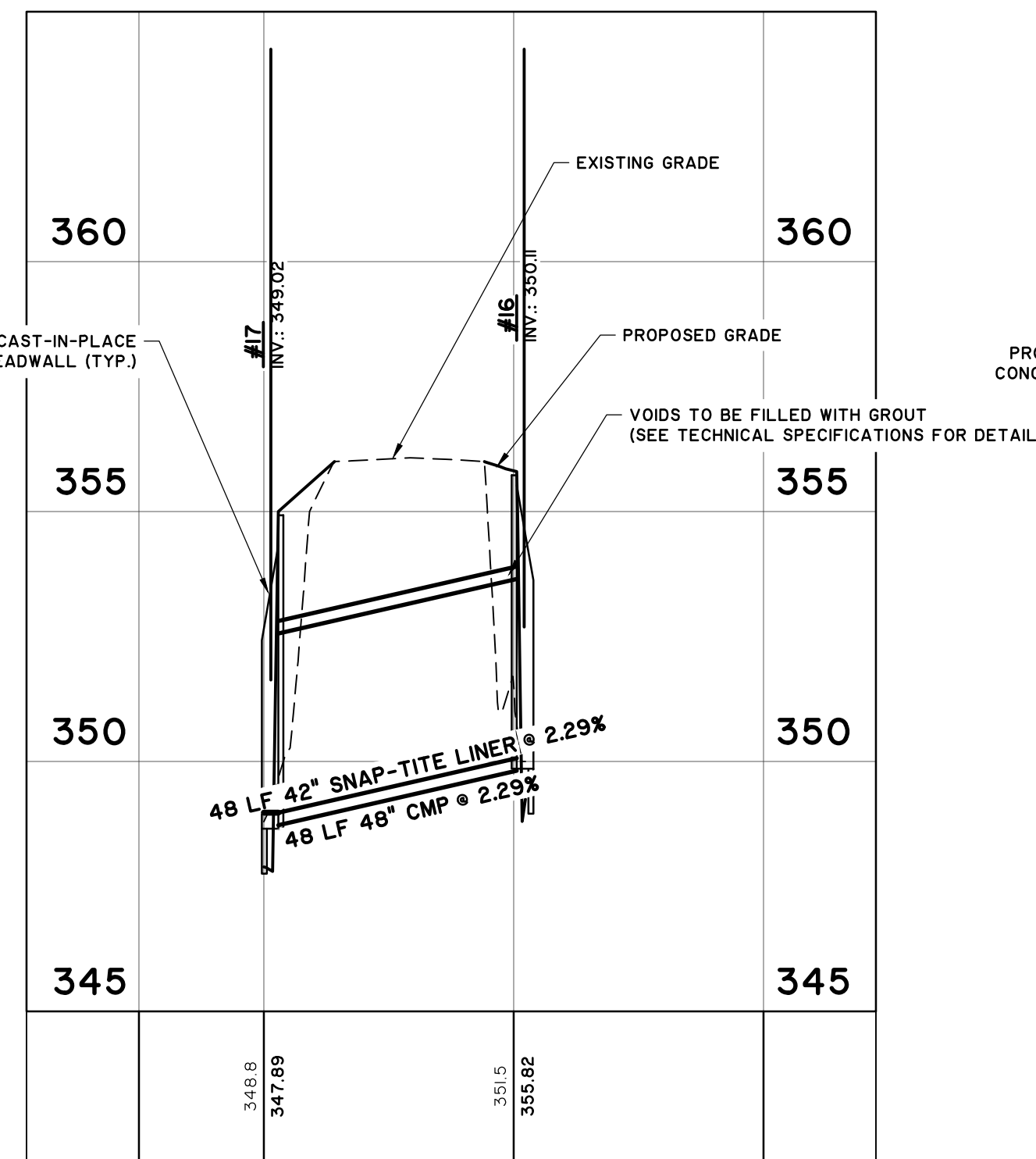


JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	1" = 10'

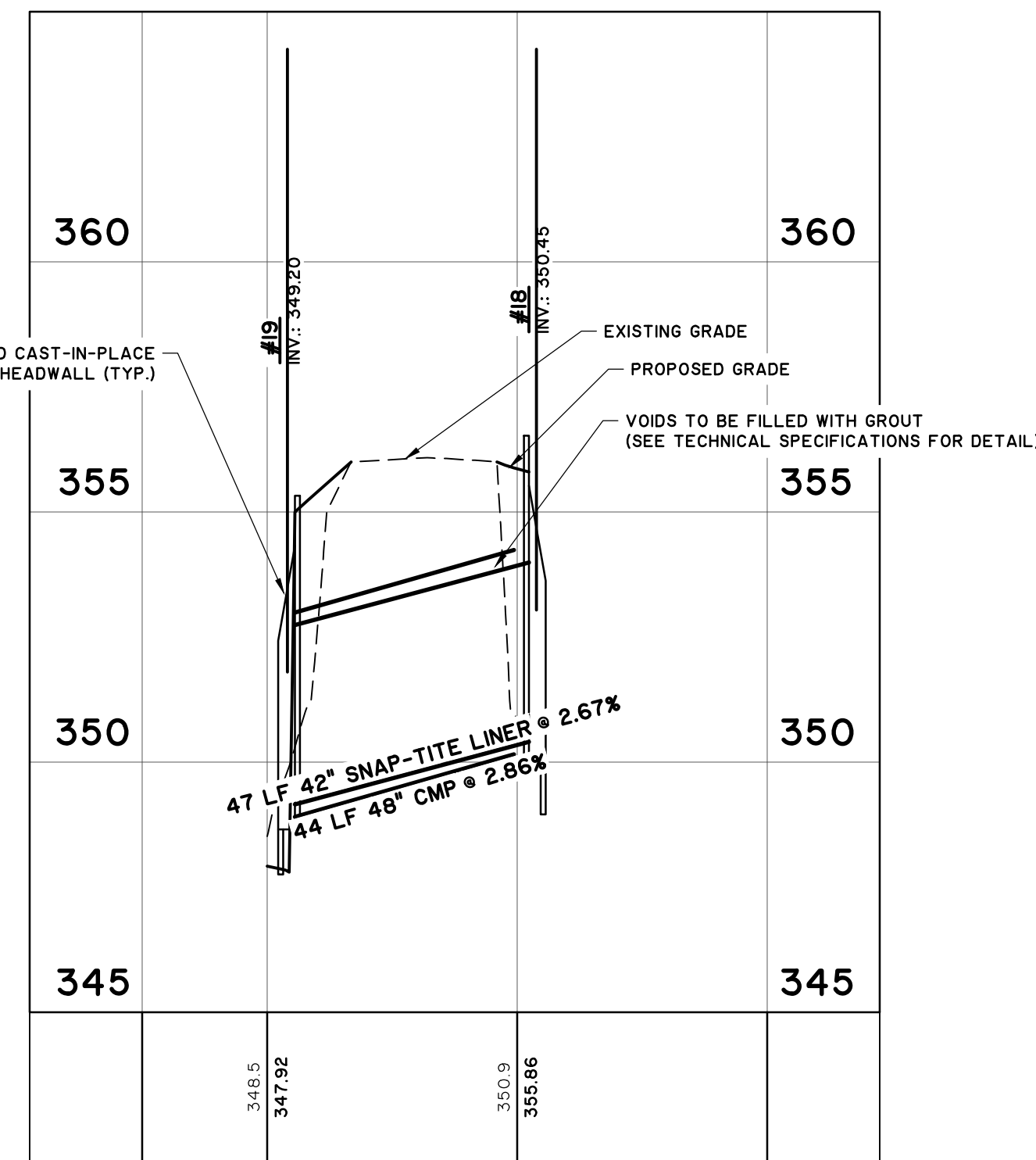
C1.2



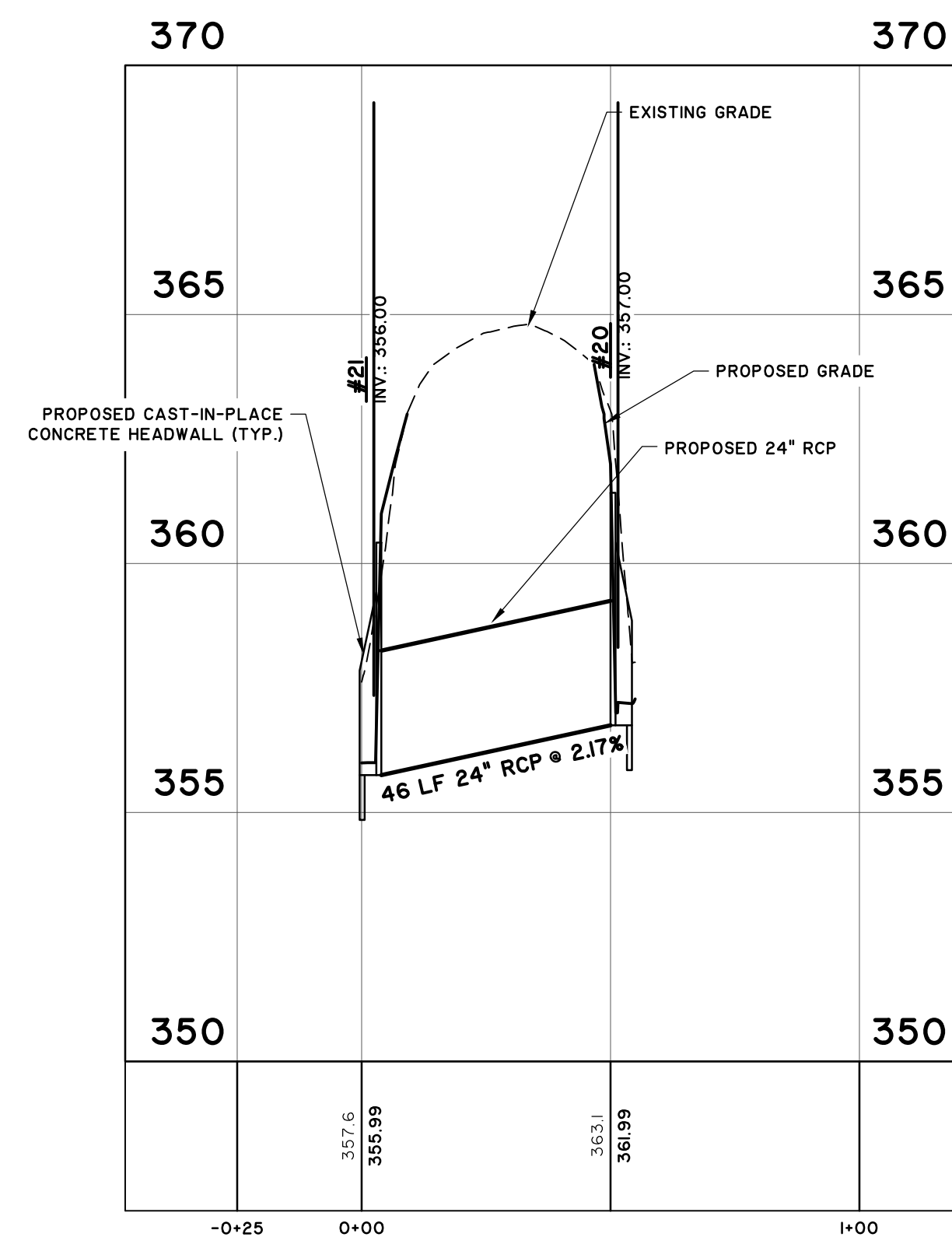
Elam Dr - Pipe Run 1
STATIONS: -0+25 - 1+00
SCALE: HORZ.: 1" = 30'
VERT.: 1" = 3'



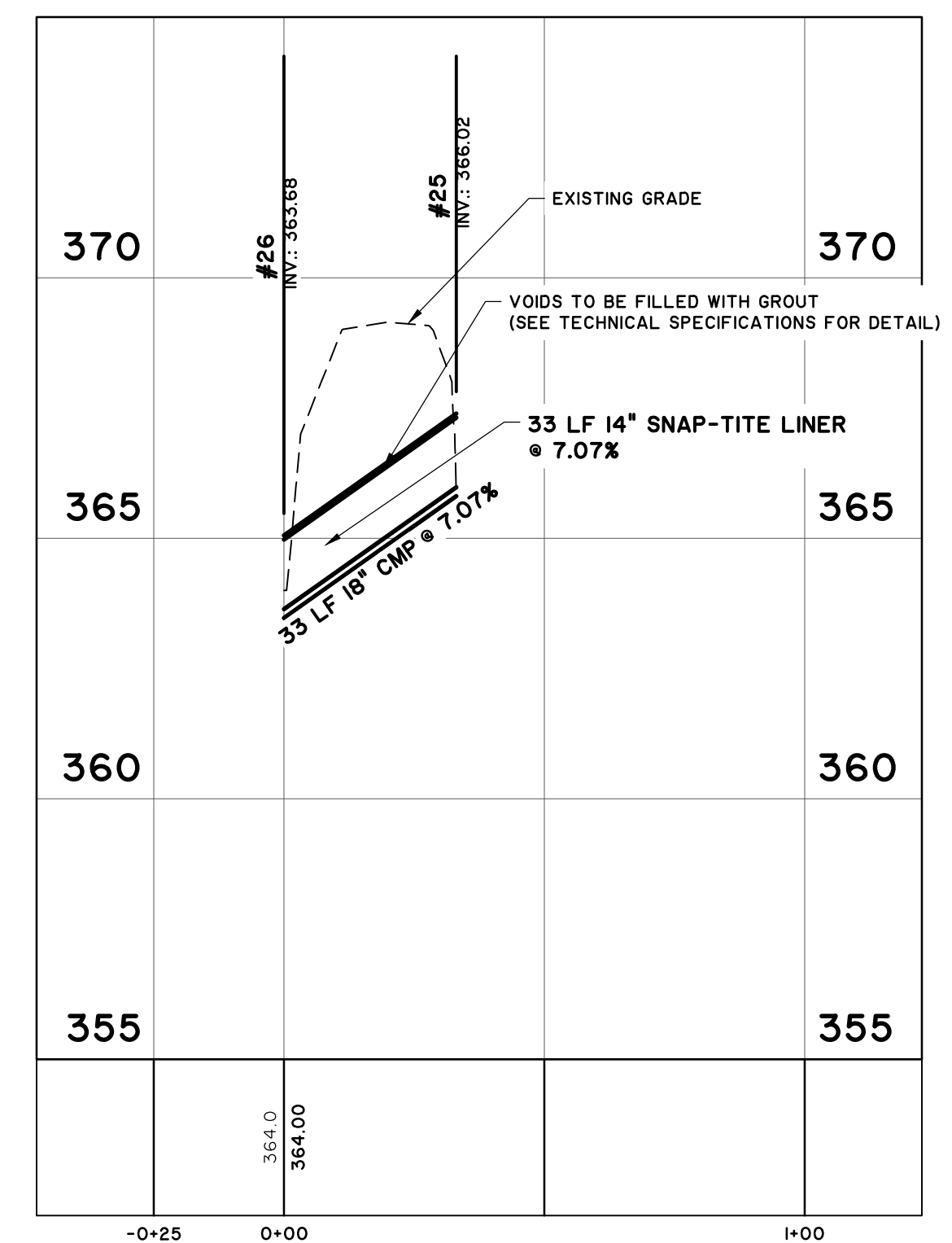
Elam Dr - Pipe Run 2
STATIONS: -0+25 - 1+00
SCALE: HORZ.: 1" = 30'
VERT.: 1" = 3'



Elam Dr - Pipe Run 3
STATIONS: -0+25 - 1+00
SCALE: HORZ.: 1" = 30'
VERT.: 1" = 3'



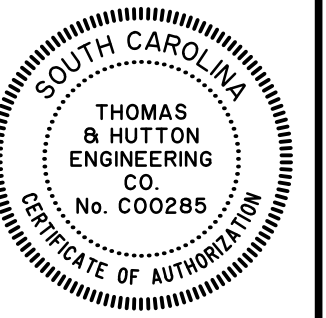
Elam Dr - Pipe Run 4
STATIONS: -0+25 - 1+00
SCALE: HORZ.: 1" = 30'
VERT.: 1" = 3'



Little River Dr - Pipe Run 5
STATIONS: -0+25 - 1+00
SCALE: HORZ.: 1" = 30'
VERT.: 1" = 3'



NO.	REVISIONS	BY	DATE



1501 Main Street • Suite 400
Columbia, SC 29201 • 803.451.6789
www.thomasandhutton.com

DRAINAGE PROFILES

MCCORMICK COUNTY
CULVERTS

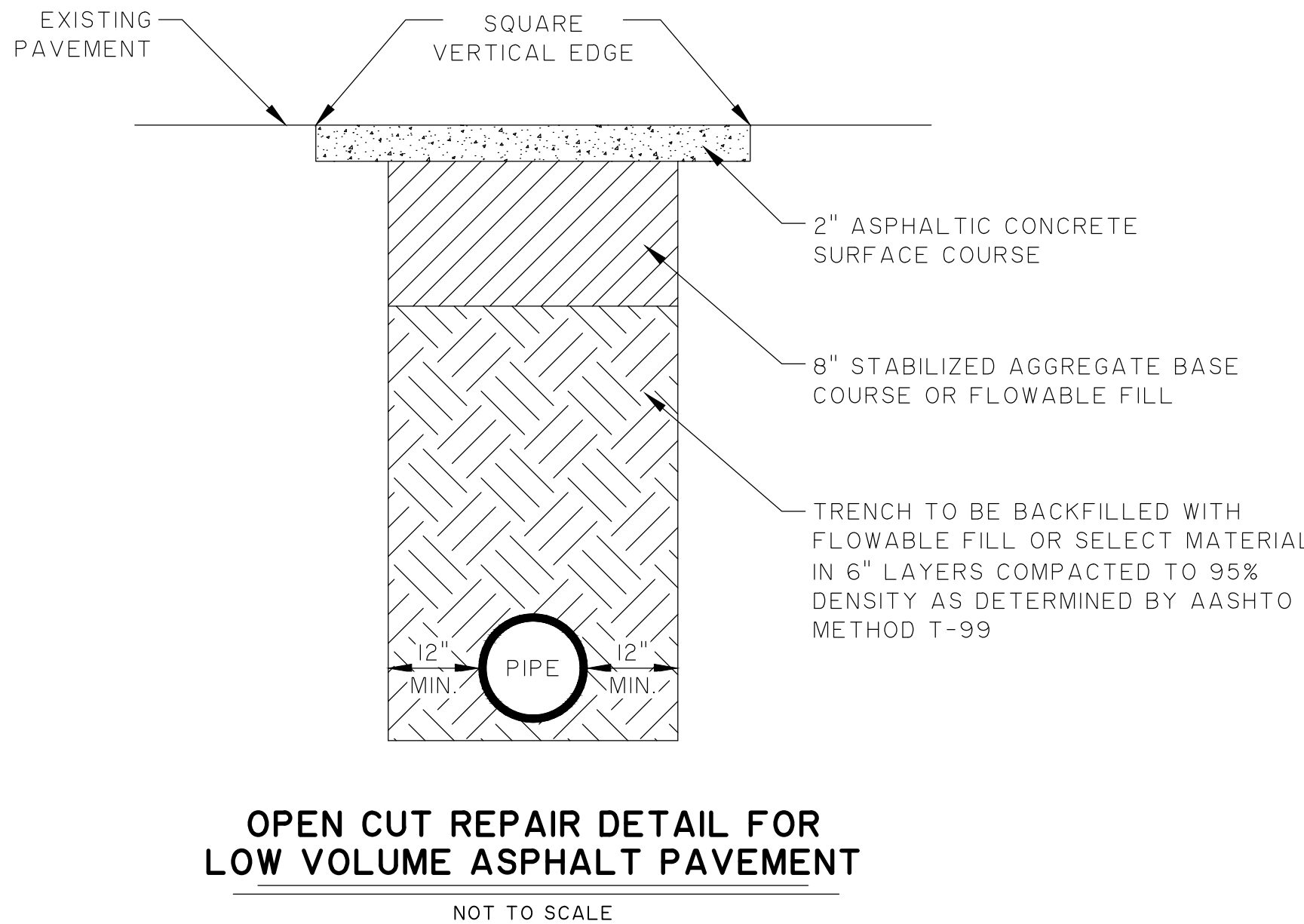
PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

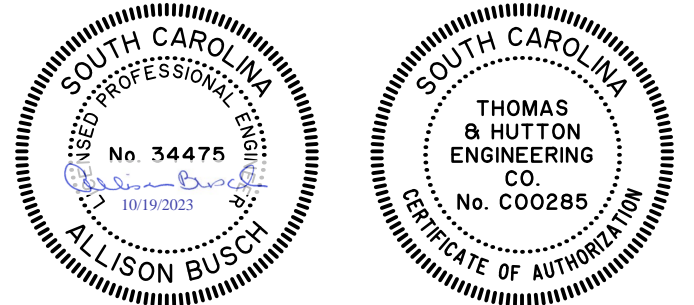
DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	AS SHOWN

C2.1



NO.	REVISIONS	BY	DATE



PAVING, GRADING, AND DRAINAGE DETAILS

MCCORMICK COUNTY
CULVERTS

PROJECT LOCATION:
ELAM DR, MCCORMICK, SC 29835
LITTLE RIVER DR, MCCORMICK, SC 29835

CLIENT/OWNER:
MCCORMICK COUNTY PUBLIC WORKS DEPARTMENT
610 SOUTH MINE STREET
MCCORMICK, SC 29835

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30856.0003
DATE:	10/19/2023
DRAWN:	DAF
DESIGNED:	DAF
REVIEWED:	AMB
APPROVED:	AMB
SCALE:	N/A

C3.1