FOOD #5 LION

Alterations For Store No. 1319

30290 Mt. Wolf Rd. Charlotte Hall, MD, 20622

INDEX OF DRAWINGS

STORMWATER POST DEVELOPMENT PLA

SITE INFORMATION

LOT: 7.56 ACRES

TAX MAP: 0001 BLOCK: 23 PARCEL: 129

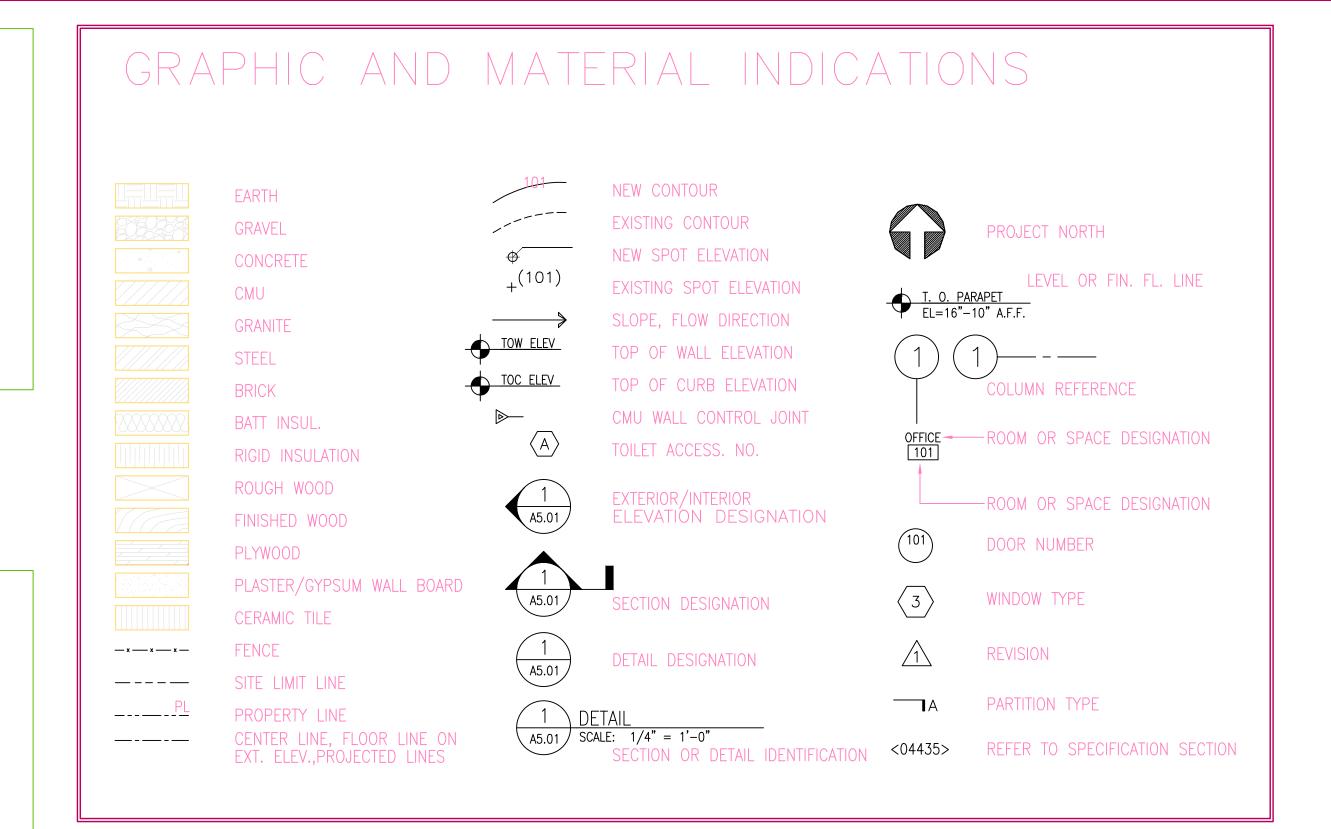
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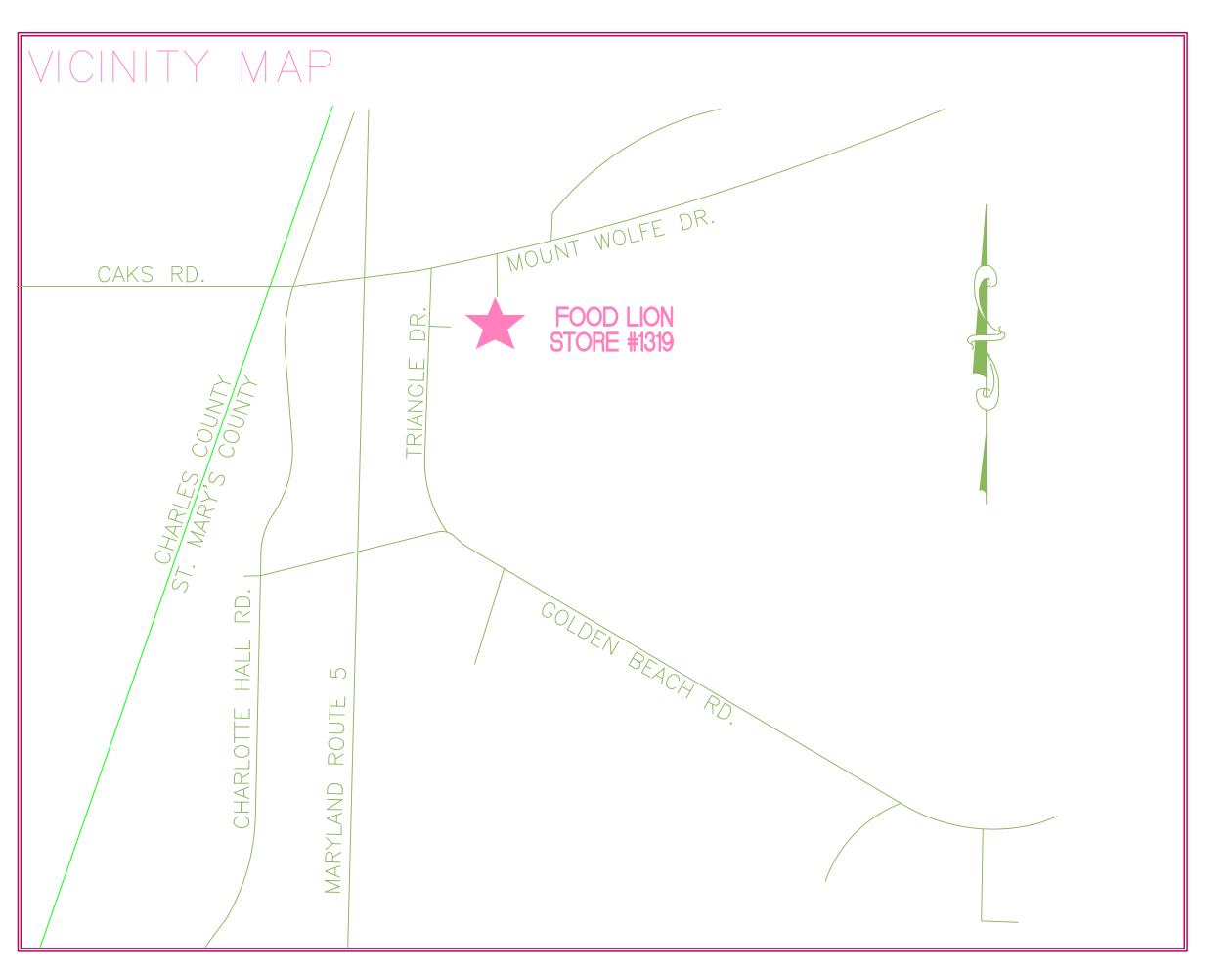
CONCEPT NARRATIVE

THE PURPOSE OF THIS PROJECT IS FOR THE CONSTRUCTION OF AN APPROXIMATE 6,600 SQUARE FOOT ADDITION TO THE EXISTING FOOD LION STORE #1319 IN CHARLOTTE HALL, MARYLAND.

TO MEET THE STORMWATER REQUIREMENTS, 50% OF THE EXISTING IMPERVIOUS SURFACE WILL BE TREATED BY 3 FILTRATION SYSTEMS. ADDITIONAL IMPERVIOUS SURFACE AREA RESULTING FROM THE CONSTRUCTION OF THE PROPOSED ADDITION, INCLUDING HORSE AND BUGGY PARKING, TRUCK TURNOUT, AND NEW DUMPSTER PAD WILL BE OFFSET BY REMOVING AN EQUIVALENT AMOUNT OF EXISTING IMPERVIOUS SURFACE ON THE SITE.

THE NATURAL RESOURCES WILL BE PROTECTED DURING THE CONSTRUCTION PHASE THROUGH APPROPRIATE EROSION CONTROL MEASURES, LONG TERM NATURAL RESOURCES PROTECTION, ENHANCEMENT AND PRESERVATION IS PROVIDED BY THE ADDITION OF THE FILTRATION SYSTEM TREATING 50% OF THE EXISTING IMPERVIOUS SURFACE AND OFFSETTING THE PROPOSED IMPERVIOUS SURFACE BY REMOVING AN EQUIVALENT PORTION OF EXISTING IMPERVIOUS SURFACE. THE NATURAL FLOW PATTERNS WILL NOT BE DISTURBED FOR THE SITE.





DIVERSIFIED ARCHITECTURAL CONSULTING

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1/28/2020

FOOD #5 LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

1.28.2020

EVISIONS

IO. REASON

PROJECT TEAM

PRINCIPAL IN CHARGE

Tim Morrison, AIA

PROJECT MANAGER

Stephanie Lewis

DESIGN TEAM

Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

1319FLMK19

PROJECT NUMBER

FILE NAME

BK, EJ

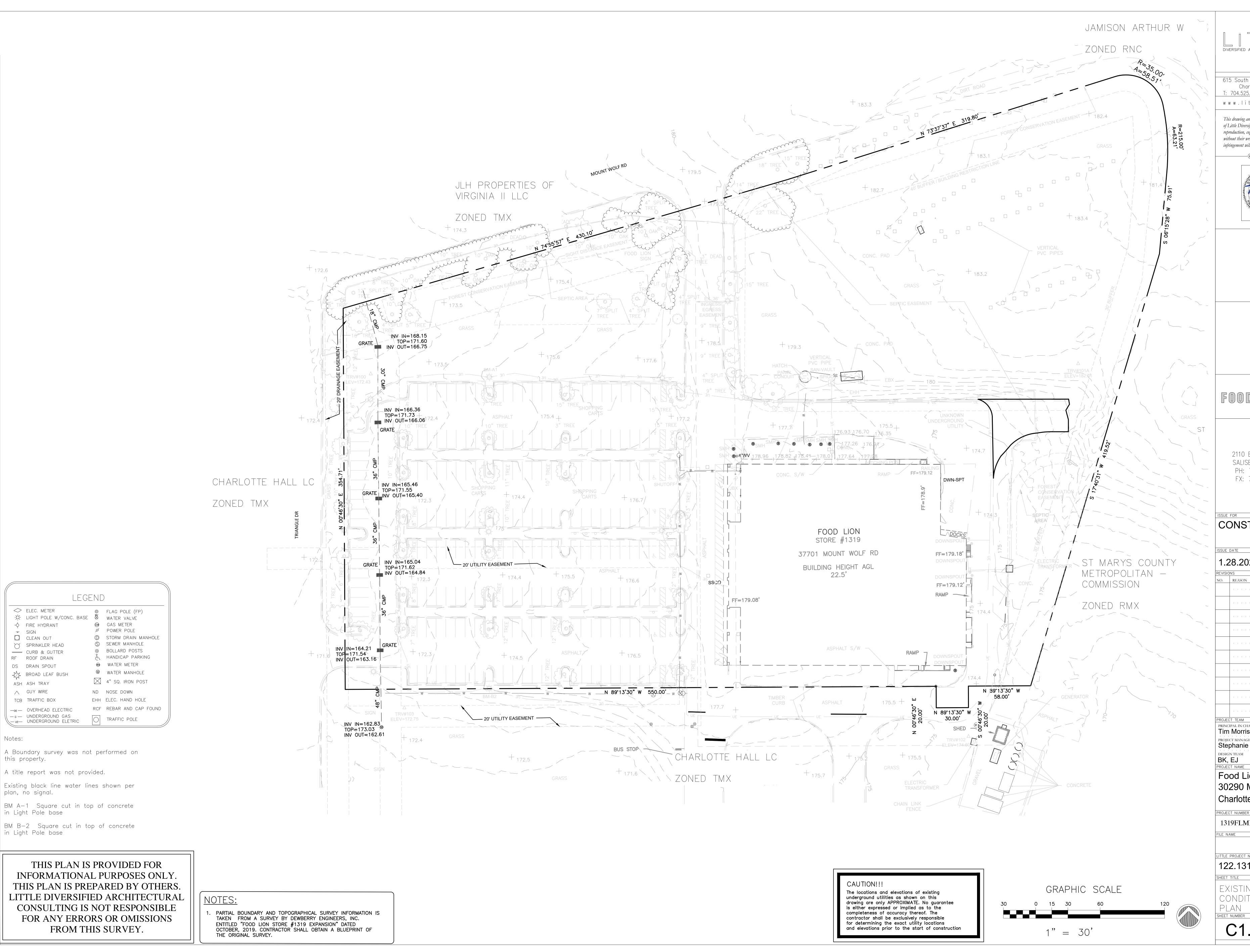
G1.00 Cover Sheet

122.13133.00

1 IIILE

Concept Site Plan Cover Sheet

G1.00



Notes:

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FOOD #5 LION

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CONSTRUCTION

ISSUE 1.2	28.2020	
REVISI	ONS	
NO.	REASON	DATE

PRINCIPAL IN CHARGE
Tim Morrison, AIA PROJECT MANAGER
Stephanie Lewis

Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER

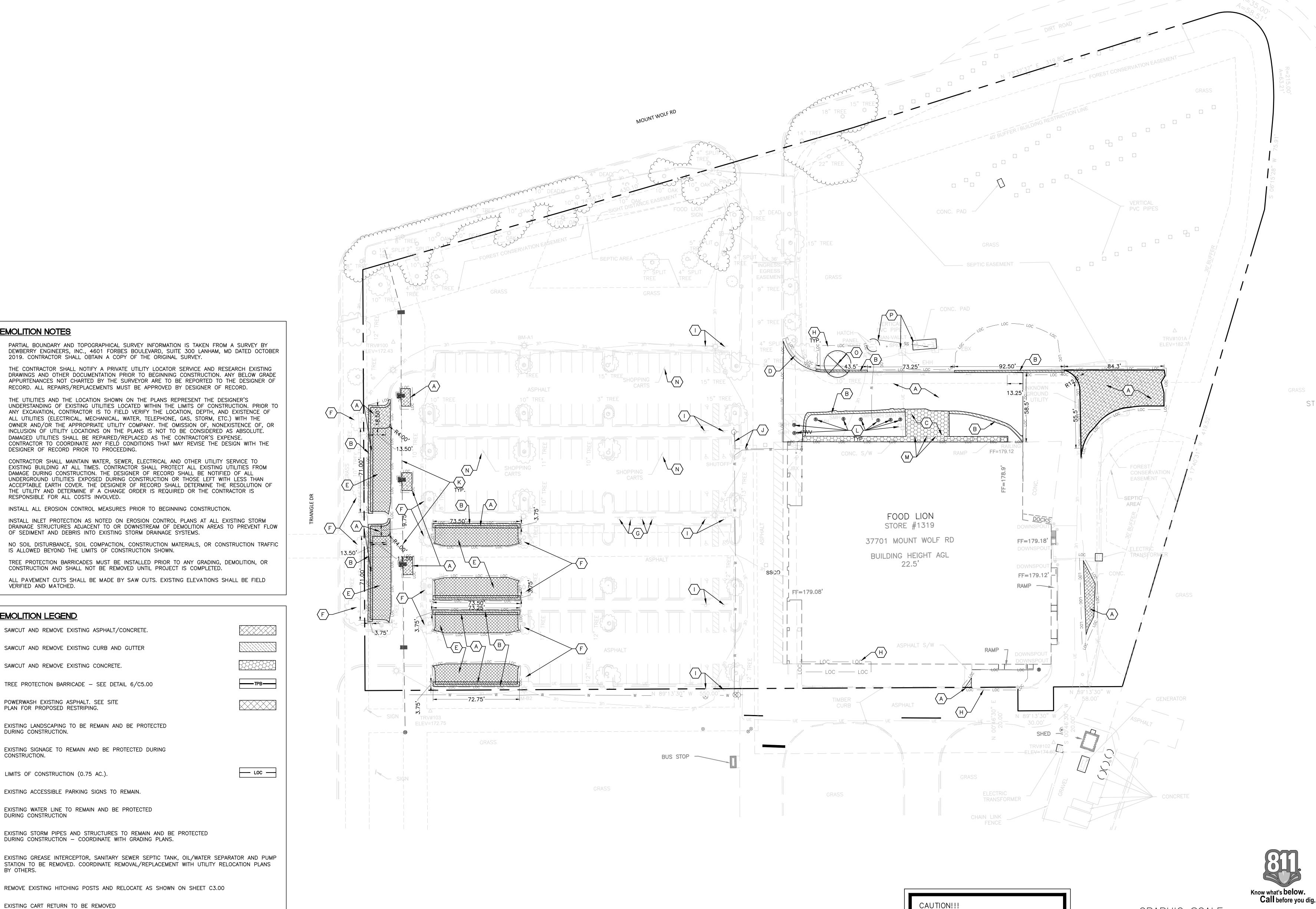
1319FLMK19

LITTLE PROJECT NUMBER

122.13133.00

EXISTING CONDITIONS

C1.00



DEMOLITION NOTES

PARTIAL BOUNDARY AND TOPOGRAPHICAL SURVEY INFORMATION IS TAKEN FROM A SURVEY BY

THE CONTRACTOR SHALL NOTIFY A PRIVATE UTILITY LOCATOR SERVICE AND RESEARCH EXISTING

ANY EXCAVATION, CONTRACTOR IS TO FIELD VERIFY THE LOCATION, DEPTH, AND EXISTENCE OF ALL UTILITIES (ELECTRICAL, MECHANICAL, WATER, TELEPHONE, GAS, STORM, ETC.) WITH THE

INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS ABSOLUTE.

CONTRACTOR TO COORDINATE ANY FIELD CONDITIONS THAT MAY REVISE THE DESIGN WITH THE

CONTRACTOR SHALL MAINTAIN WATER, SEWER, ELECTRICAL AND OTHER UTILITY SERVICE TO EXISTING BUILDING AT ALL TIMES. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM

DAMAGE DURING CONSTRUCTION. THE DESIGNER OF RECORD SHALL BE NOTIFIED OF ALL

THE UTILITY AND DETERMINE IF A CHANGE ORDER IS REQUIRED OR THE CONTRACTOR IS

INSTALL ALL EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.

CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL PROJECT IS COMPLETED.

OF SEDIMENT AND DEBRIS INTO EXISTING STORM DRAINAGE SYSTEMS.

IS ALLOWED BEYOND THE LIMITS OF CONSTRUCTION SHOWN.

UNDERGROUND UTILITIES EXPOSED DURING CONSTRUCTION OR THOSE LEFT WITH LESS THAN ACCEPTABLE EARTH COVER. THE DESIGNER OF RECORD SHALL DETERMINE THE RESOLUTION OF

INSTALL INLET PROTECTION AS NOTED ON EROSION CONTROL PLANS AT ALL EXISTING STORM

TREE PROTECTION BARRICADES MUST BE INSTALLED PRIOR TO ANY GRADING, DEMOLITION, OR

ALL PAVEMENT CUTS SHALL BE MADE BY SAW CUTS. EXISTING ELEVATIONS SHALL BE FIELD

RECORD. ALL REPAIRS/REPLACEMENTS MUST BE APPROVED BY DESIGNER OF RECORD.

THE UTILITIES AND THE LOCATION SHOWN ON THE PLANS REPRESENT THE DESIGNER'S

DAMAGED UTILITIES SHALL BE REPAIRED/REPLACED AS THE CONTRACTOR'S EXPENSE.

2019. CONTRACTOR SHALL OBTAIN A COPY OF THE ORIGINAL SURVEY.

DESIGNER OF RECORD PRIOR TO PROCEEDING.

RESPONSIBLE FOR ALL COSTS INVOLVED.

A. SAWCUT AND REMOVE EXISTING ASPHALT/CONCRETE.

B. SAWCUT AND REMOVE EXISTING CURB AND GUTTER

D. TREE PROTECTION BARRICADE - SEE DETAIL 6/C5.00

EXISTING LANDSCAPING TO BE REMAIN AND BE PROTECTED

G. EXISTING SIGNAGE TO REMAIN AND BE PROTECTED DURING

I. EXISTING ACCESSIBLE PARKING SIGNS TO REMAIN.

J. EXISTING WATER LINE TO REMAIN AND BE PROTECTED

K. EXISTING STORM PIPES AND STRUCTURES TO REMAIN AND BE PROTECTED

M. REMOVE EXISTING HITCHING POSTS AND RELOCATE AS SHOWN ON SHEET C3.00

P. PROTECT EXISTING SANITARY SEWER/SEPTIC STRUCTURES AND EQUIPMENT TO

REMAIN DURING DEMOLITION AND CONSTRUCTION PHASES.

DURING CONSTRUCTION - COORDINATE WITH GRADING PLANS.

C. SAWCUT AND REMOVE EXISTING CONCRETE.

E. POWERWASH EXISTING ASPHALT. SEE SITE PLAN FOR PROPOSED RESTRIPING.

H. LIMITS OF CONSTRUCTION (0.75 AC.).

N. EXISTING CART RETURN TO BE REMOVED

O. EXISTING TREE TO BE REMOVED.

VERIFIED AND MATCHED.

DEMOLITION LEGEND

DURING CONSTRUCTION.

DURING CONSTRUCTION

CONSTRUCTION.

DIVERSIFIED ARCHITECTURAL CONSULTING

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1/28/2020

FOOD #5 LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

ISSUE	28.2020	
REVISI		
NO.	REASON	DA

PRINCIPAL IN CHARGE Tim Morrison, AIA PROJECT MANAGER Stephanie Lewis DESIGN TEAM

Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER

1319FLMK19 FILE NAME

GRAPHIC SCALE

1" = 30'

The locations and elevations of existing

drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the

underground utilities as shown on this

completeness of accuracy thereof. The

contractor shall be exclusively responsible

for determining the exact utility locations

and elevations prior to the start of construction

LITTLE PROJECT NUMBER

122.13133.00

DEMOLITION PLAN

C2.00

SHEET NUMBER

PROJECT INFORMATION PROJECT NAME: FOOD LION STORE #1319 EXPANSION OWNER: FOOD LION LLC (A DELHAIZE COMPANY) PHONE: (704)-633-8250 LITTLE DIVERSIFIED ARCHITECTURAL CONSULTING PLANS PREPARED BY: PHONE: (704) - 525 - 6350ZONING: TOWN CENTER MIXED USE CHARLOTTE HALL JURISDICTION: LOT SIZE: 7.56 ACRES PARCEL #: 000100230129 DEED BOOK / PAGE: 00925 / 00112 TAX MAP: TAX PARCEL: TAX GRID:

2623 SF (0.08 AC)

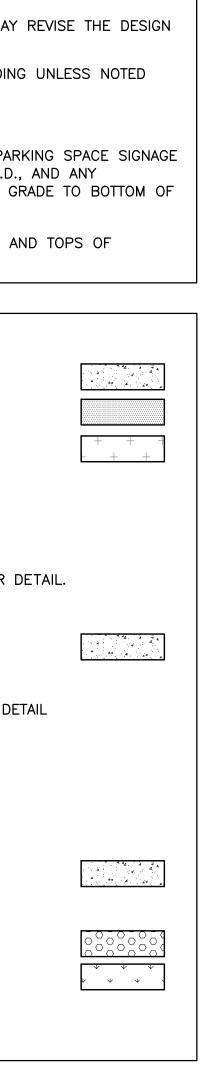
LAYOUT NOTES

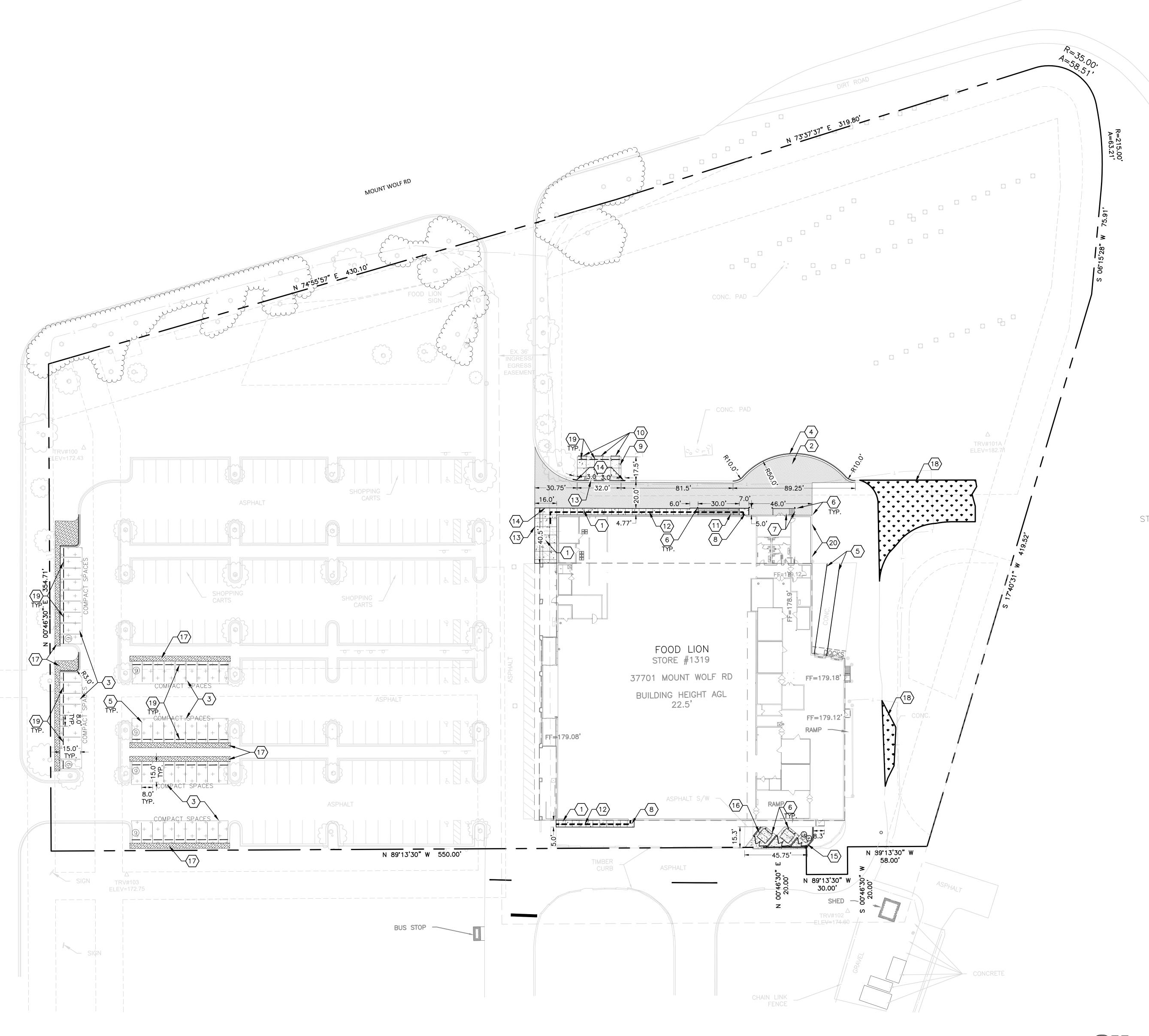
ADDITIONAL IMPERVIOUS AREA:

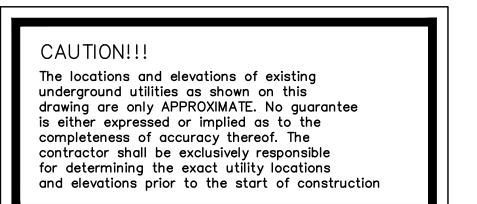
- A. ALL TRAFFIC CONTROL SIGNAGE, DEVICES, AND STRIPING TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- ALL PAVING CUTS SHALL BE MADE BY SAW CUTS.
- EXISTING ELEVATIONS SHALL BE FIELD VERIFIED AND MATCHED.
- CONTRACTOR TO COORDINATE ANY CHANGES IN FIELD CONDITIONS THAT MAY REVISE THE DESIGN WITH DESIGNER OF RECORD PRIOR TO PROCEEDING.
- ALL DIMENSIONS ARE TO FACE OF CURB OR TO FINISHED FACE OF BUILDING UNLESS NOTED OTHERWISE.
- ALL RADII ON CURBS SHALL BE 5'-0" UNLESS NOTED OTHERWISE.
- ALL ACCESSIBLE PARKING SPACES SHALL DISPLAY APPROVED RESERVED PARKING SPACE SIGNAGE AS PRESCRIBED BY THE AMERICANS WITH DISABILITIES ACT (ADA), M.U.T.C.D., AND ANY ADDITIONAL STATE AND/OR LOCAL REQUIREMENTS. HEIGHT FROM FINISHED GRADE TO BOTTOM OF SIGN IN ANY LOCATION SHALL BE 84" MINIMUM.
- . A MINIMUM OF 18" IS TO BE MAINTAINED BETWEEN ALL PAVED SURFACES AND TOPS OF

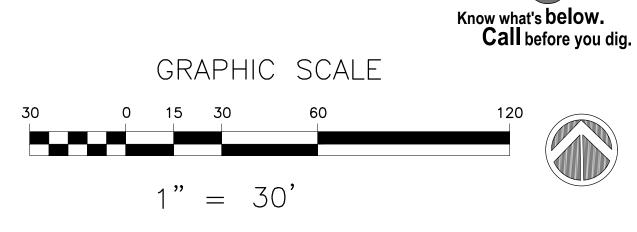
LAYOUT LEGEND:

- PROPOSED MONOLITHIC CONCRETE SIDEWALK-SEE DETAIL 3/C7.00
- 2. PROPOSED HEAVY-DUTY ASPHALT PAVING-SEE DETAIL 1/C7.00
- 3. AREA TO BE POWERWASHED AND RESTRIPED
- 4. PROPOSED 21" CONCRETE CURB AND GUTTER 4/C7.00
- 5. PROPOSED 4" WHITE PAINTED STRIPING
- 6. PROPOSED BOLLARDS SEE DETAIL 6/C7.00
- . PROPOSED METAL STAIRS AND LANDING SEE ARCHITECTURAL PLANS FOR DETAIL.
- 8. PROPOSED ACCESSIBLE EGRESS SEE DETAIL 8/C7.00
- 9. CONCRETE PAD FOR BUGGY PARKING
- 10. RELOCATED HITCHING POSTS
- 11. PROPOSED ACCESSIBLE RAMP WITH RAILS SEE STRUCTURAL PLANS FOR DETAIL
- 12. ACCESSIBLE ROUTE CONTRACTOR TO ENSURE THAT RUNNING SLOPE IS NOT GREATER THAN 5% AND THAT THE CROSS SLOPE IS NOT MORE THAN 2% ALONG THIS ROUTE.
- 13. PROPOSED FLUSH CURB SEE DETAIL 7/C7.00
- 14. PROPOSED CURB TAPER SEE DETAIL 5/C7.00
- 15. PROPOSED HEAVY DUTY CONCRETE PAVING SEE DETAIL 2/C7.00
- 16. PROPOSED DUMPSTER ENCLOSURE SEE DETAIL 1/C7.01
- 17. NEW LANDSCAPED AREA
- 18. NEW GRASSED AREA
- 19. WHEEL STOPS
- 20. PROPOSED DOWNSPOUTS











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1/28/2020

FOOD #5 LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

ISSUE	DATE	
	28.2020	
REVISI	ONS	
NO.	REASON	DATE

PRINCIPAL IN CHARGE Tim Morrison, AIA PROJECT MANAGER Stephanie Lewis DESIGN TEAM

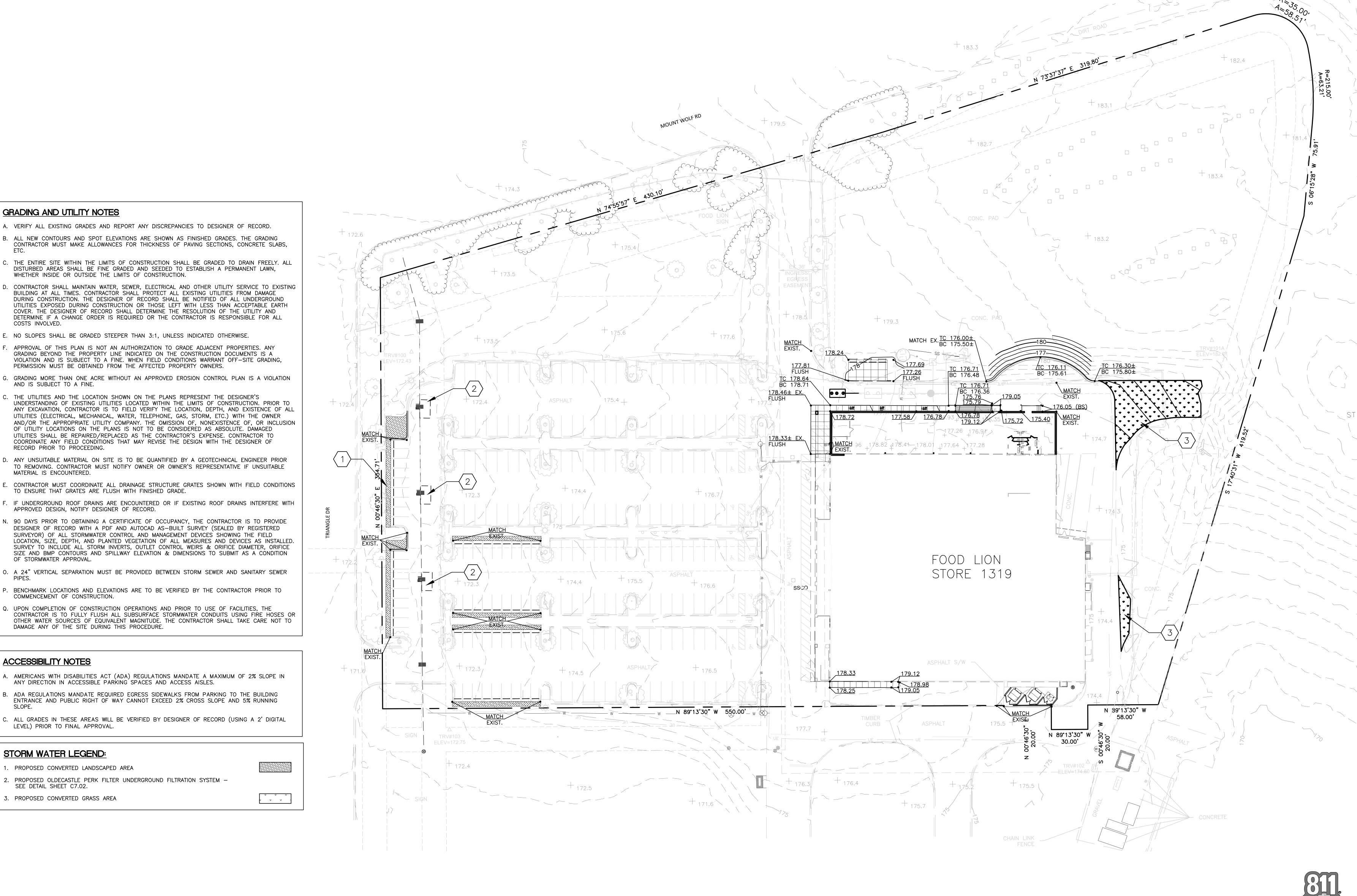
Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER 1319FLMK19

LITTLE PROJECT NUMBER 122.13133.00

LAYOUT PLAN
SHEET NUMBER

C3.00



CAUTION!!!

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drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The

and elevations prior to the start of construction

contractor shall be exclusively responsible for determining the exact utility locations

underground utilities as shown on this

GRADING AND UTILITY NOTES

COSTS INVOLVED.

AND IS SUBJECT TO A FINE.

RECORD PRIOR TO PROCEEDING.

MATERIAL IS ENCOUNTERED.

OF STORMWATER APPROVAL.

ACCESSIBILITY NOTES

COMMENCEMENT OF CONSTRUCTION.

LEVEL) PRIOR TO FINAL APPROVAL.

3. PROPOSED CONVERTED GRASS AREA

PROPOSED CONVERTED LANDSCAPED AREA

STORM WATER LEGEND:

DAMAGE ANY OF THE SITE DURING THIS PROCEDURE.

A. VERIFY ALL EXISTING GRADES AND REPORT ANY DISCREPANCIES TO DESIGNER OF RECORD.

B. ALL NEW CONTOURS AND SPOT ELEVATIONS ARE SHOWN AS FINISHED GRADES. THE GRADING

DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED TO ESTABLISH A PERMANENT LAWN.

BUILDING AT ALL TIMES. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. THE DESIGNER OF RECORD SHALL BE NOTIFIED OF ALL UNDERGROUND

COVER. THE DESIGNER OF RECORD SHALL DETERMINE THE RESOLUTION OF THE UTILITY AND DETERMINE IF A CHANGE ORDER IS REQUIRED OR THE CONTRACTOR IS RESPONSIBLE FOR ALL

APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. ANY GRADING BEYOND THE PROPERTY LINE INDICATED ON THE CONSTRUCTION DOCUMENTS IS A VIOLATION AND IS SUBJECT TO A FINE. WHEN FIELD CONDITIONS WARRANT OFF—SITE GRADING,

NO SLOPES SHALL BE GRADED STEEPER THAN 3:1, UNLESS INDICATED OTHERWISE.

THE UTILITIES AND THE LOCATION SHOWN ON THE PLANS REPRESENT THE DESIGNER'S

UTILITIES (ELECTRICAL, MECHANICAL, WATER, TELEPHONE, GAS, STORM, ETC.) WITH THE OWNER

OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS ABSOLUTE. DAMAGED UTILITIES SHALL BE REPAIRED/REPLACED AS THE CONTRACTOR'S EXPENSE. CONTRACTOR TO

COORDINATE ANY FIELD CONDITIONS THAT MAY REVISE THE DESIGN WITH THE DESIGNER OF

TO REMOVING. CONTRACTOR MUST NOTIFY OWNER OR OWNER'S REPRESENTATIVE IF UNSUITABLE

DESIGNER OF RECORD WITH A PDF AND AUTOCAD AS-BUILT SURVEY (SEALED BY REGISTERED

BENCHMARK LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO

UPON COMPLETION OF CONSTRUCTION OPERATIONS AND PRIOR TO USE OF FACILITIES, THE

ADA REGULATIONS MANDATE REQUIRED EGRESS SIDEWALKS FROM PARKING TO THE BUILDING ENTRANCE AND PUBLIC RIGHT OF WAY CANNOT EXCEED 2% CROSS SLOPE AND 5% RUNNING

. PROPOSED OLDECASTLE PERK FILTER UNDERGROUND FILTRATION SYSTEM — SEE DETAIL SHEET C7.02.

PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.

WHETHER INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION.

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FOOD 35 LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

	28.2020	
REVISI	ONS	
NO.	REASON	DA

PRINCIPAL IN CHARGE Tim Morrison, AIA

PROJECT MANAGER Stephanie Lewis DESIGN TEAM

> Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER 1319FLMK19

Know what's below. Call before you dig.

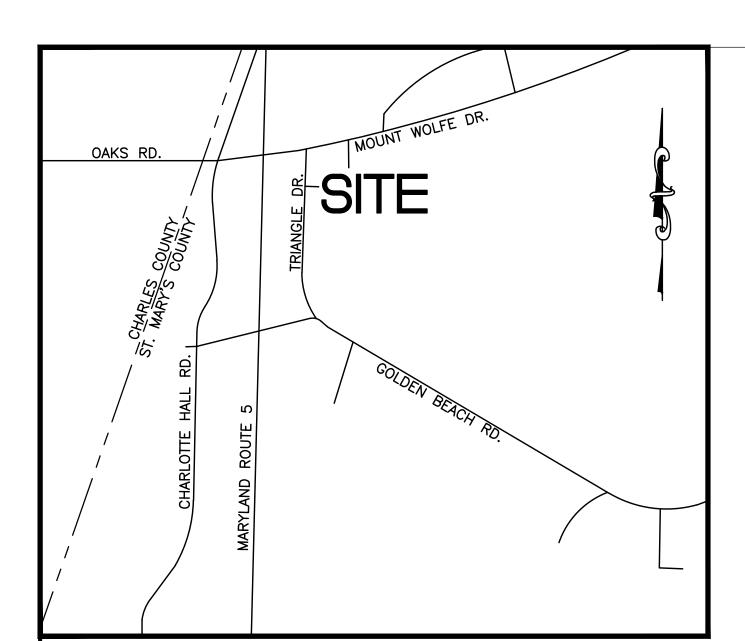
GRAPHIC SCALE

1" = 30'

LITTLE PROJECT NUMBER 122.13133.00

GRADING & STORM DRAINAGE PLAN SHEET NUMBER

C4.00



VICINITY MAP

NOT TO SCALE

EROSION CONTROL/MAINTENANCE NOTES

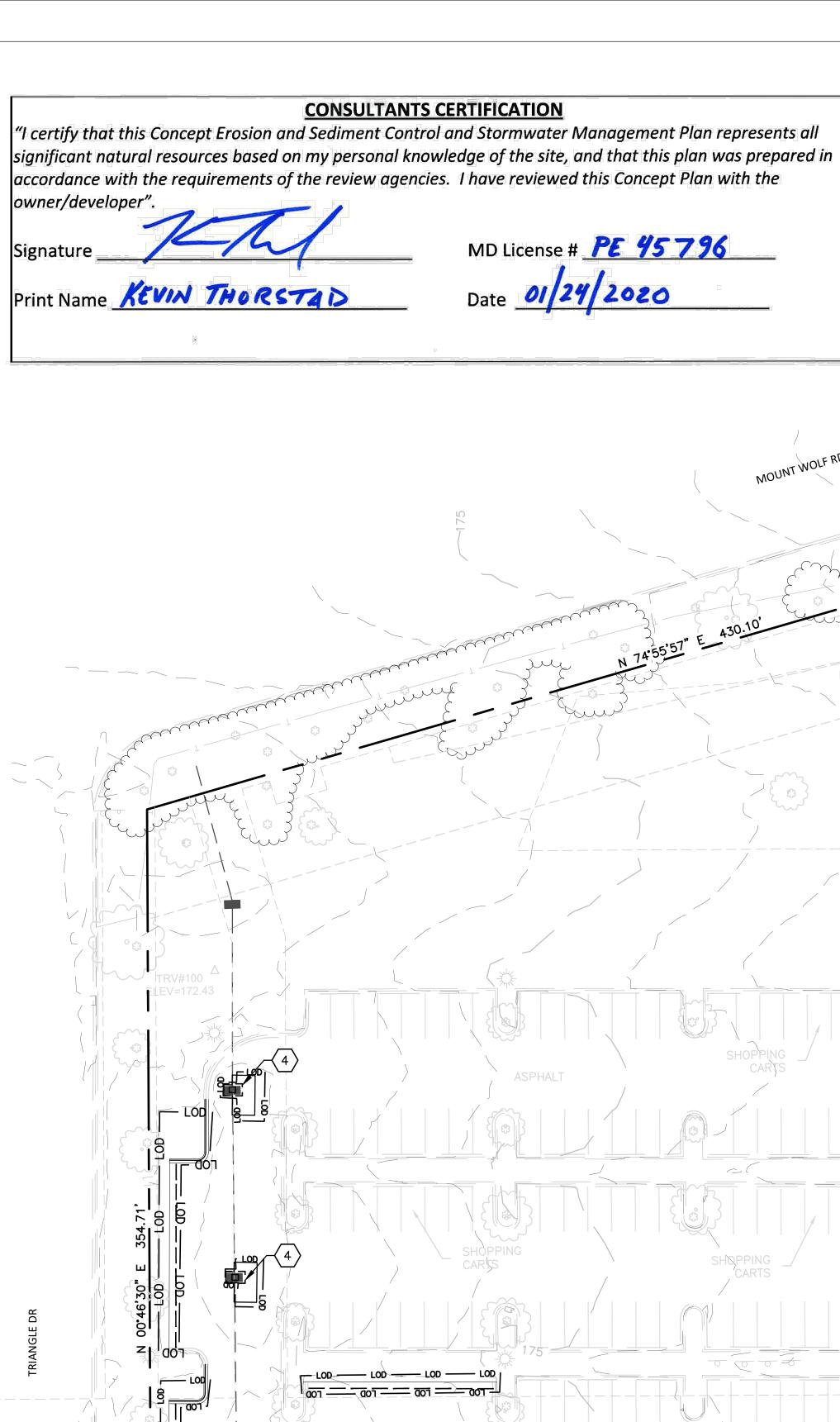
- A. NO ON-SITE BURIAL PIT WILL BE LOCATED ON THIS SITE. CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF DEBRIS.
- ANY GRADING BEYOND THE LIMITS OF CONSTRUCTION SHOWN IS A VIOLATION OF THE STATE'S EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- DISTURBING MORE THAN 5,000 SF OR 100 CY OF EARTH WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE STATE'S EROSION CONTROL ORDINANCE AND IS SUBJECT
- OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY REPAIRS ARE TO BE MADE IMMEDIATELY. SEDIMENT IS TO BE REMOVED FROM ALL SEDIMENT TRAPS AND INLET PROTECTION DEVICES WHEN STORAGE CAPACITY IS AT APPROXIMATELY 50% FULL. GRAVEL IS TO BE CLEANED OR REPLACED WHEN SEDIMENT POOLS NO LONGER DRAIN PROPERLY.
- SEDIMENT WILL BE REMOVED FROM BEHIND ALL SEDIMENT FENCING WHEN IT BECOMES APPROXIMATELY 6" DEEP AT THE FENCE. THE SEDIMENT FENCE IS TO BE IMMEDIATELY REPAIRED WHEN DAMAGED.
- PERMANENT GRASS MUST BE ESTABLISHED WITHIN ALL PROPOSED DITCHES AND CHANNELS. ADDITIONAL MECHANICAL MEASURES WILL BE REQUIRED IF VEGETATIVE COVER CANNOT BE
- G. PROVIDE COCONUT FIBER EROSION CONTROL BLANKET WITH BIODEGRADABLE NETTING & 0.5LBS/SQ YD JUTE FIBER ON ALL SLOPES THAT ARE 3:1 OR STEEPER AND ARE NOT ALREADY SPECIFIED TO RECEIVE ANOTHER TYPE OF BLANKET.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE STATE.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. ANY GRADING BEYOND THE PROPERTY LINE INDICATED ON THE CONSTRUCTION DOCUMENTS IS A VIOLATION AND IS SUBJECT TO A FINE. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
- INLET PROTECTION IS REQUIRED FOR ALL INLETS LOCATED IN THE WORKING AREA AND REQUIRED UNTIL THE SITE IS FULLY STABILIZED.
- CONTRACTOR SHALL TAKE ALL MEASURES POSSIBLE TO PREVENT TRACKING MUD/SOIL ON ADJACENT ROADWAYS. ANY MUD/SOIL TRACKED ON ADJACENT ROADWAYS SHALL BE CLEANED DAILY BY THE CONTRACTOR.
- GROUND STABILIZATION MUST OCCUR WITHIN 7 DAYS ON PERIMETER AREAS AND SLOPES GREATER THAN 3:1; GROUND STABILIZATION MUST OCCUR WITHIN 14 DAYS ON OTHER AREAS.
- M. GRADED SLOPES AND FILLS SHALL BE PROTECTED WITH A ROLLED EROSION CONTROL PRODUCT IF COMPLETED OUTSIDE OF OPTIMUM GERMINATION SEASONS, WHEN UNFAVORABLE WEATHER CONDITIONS PREVENT ESTABLISHMENT OF VEGETATIVE GROUND COVER.
- IF SOIL IS TO BE IMPORTED/EXPORTED DURING GRADING OPERATIONS, THE IMPORT/EXPORT SOIL SHALL BE IMPORTED/EXPORTED FROM/TO A SITE PERMITTED THROUGH THE SEDIMENTATION POLLUTION CONTROL ACT.

CONSTRUCTION SEQUENCE

- OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.
- CONTACT THE SAINT MARY'S COUNTY STORMWATER MANAGEMENT OFFICE TO INFORM THAT CONSTRUCTION IS READY TO BEGIN.
- FLAG THE WORK LIMITS AND BUFFER AREAS FOR PROTECTION.
- HOLD PRE-CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION. ALL MEASURES ARE TO MEET THE DETAILS AND SPECIFICATIONS OF THE CURRENT ST, MARY'S STORMWATER MANAGEMENT, GRADING, EROSION & SEDIMENT CONTROL
- INSTALL TREE PROTECTION FENCE, INLET PROTECTION, AND COMPOST FILTER SOCK.
- CONSTRUCT ALL ADDITIONAL TEMPORARY MEASURES. DO NOT IMPACT ADJACENT PROPERTIES WITH EROSION CONTROL MEASURES.
- ROUGH GRADE SITE, STOCKPILE SOIL, AND RELOCATE/INSTALL ADDITIONAL SILT FENCE AS REQUIRED BY PLANS. MAINTAIN FILL SLOPES DAILY AS SLOPES ARE GRADED.
- CONSTRUCT TRUCK TURN AROUND AND STABILIZE EMBANKMENTS.
- 9. BEGIN BUILDING CONSTRUCTION.
- 10. COMPLETE ALL CONSTRUCTION WITHIN THE PROJECT LIMITS.
- 11. EROSION CONTROL MEASURES DIRECTLY AFFECTED SHALL BE MAINTAINED/REMOVED AS STATED ON PLANS. DEVICES SHALL BE MAINTAINED TO MAX. 50% CAPACITY UNTIL THE AREAS THEY SERVE ARE FULLY STABILIZED.
- 12. PROVIDE PERMANENT GRASSING FOR ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PAVING, OR OTHER LANDSCAPED AREAS.
- 13. CONTACT THE COUNTY FOR PERMISSION TO REMOVE EROSION CONTROL DEVICES.
- 14. REMOVE ALL EROSION CONTROL DEVICES INCLUDING ACCUMULATED SEDIMENT.
- ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE ST. MARY'S COUNTY STORMWATER MANAGEMENT, GRADING, EROSION AND SEDIMENTATION CONTROL ORDINACE AND U.S. DEPARTMENT OF AGRICULTURE REQUIREMENTS.
- 16. DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. MAINTAIN CLOSE CONTACT WITH THE COUNTY INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE CONDUCTED AT APPROPRIATE STAGES OF CONSTRUCTION.
- 17. ESTIMATED TIME BEFORE FINAL STABILIZATION ---- 3 MONTHS.

SOIL STOCKPILE NOTES

- A. CONTRACTOR TO STOCKPILE EXISTING TOPSOIL (UNCOMPACTED SOIL WITH NO STONES, ROOTS, OR ANY OTHER MATERIAL GREATER THAN 1" IN SIZE) UNTIL MASS GRADING AND SITE CONSTRUCTION ARE COMPLETED. TOP SOIL TO BE FINE GRADED OVER ALL UNPAVED AREAS TO THE DEPTH INDICATED IN THE SPECIFICATIONS PRIOR TO ANY SEEDING OR LANDSCAPING.
- CONTRACTOR SHALL INSTALL TEMPORARY COMPOST FILTER SOCK AROUND SOIL STOCKPILES, LEAVING ROOM FOR EQUIPMENT ACCESS.
- C. SOIL STOCKPILES SHALL BE LOCATED WITHIN LIMITS OF DISTURBANCE NOTED ON THE EROSION CONTROL PLANS.



EROSION CONTROL LEGEND

2. LIMITS OF DISTURBANCE (19,604 SF).

1. TREE PROTECTION FENCE - SEE DETAIL 6/C7.01

3. COMPOST FILTER SOCK - SEE DETAIL 5/C7.01

5. PROPOSED SEEDED AREAS - SEE DETAILS 6-8/C701

4. INLET PROTECTION - SEE DETAIL 4/C7.01

N 89°13'30" W

infringement will be subject to legal action. −(c) Little 2020 · 1/28/2020

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FOOD **A** LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

1.28.2020

PRINCIPAL IN CHARGE Tim Morrison, AIA Stephanie Lewis

DESIGN TEAM

Know what's below.

CAUTION!!!

GRAPHIC SCALE

1" = 30'

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Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER 1319FLMK19

LITTLE PROJECT NUMBER

122.13133.00

CONTROL

SHEET NUMBER

C5.00

EVESBORO LOAMY SAND (EvB) RUMFORD LOAMY SAND (RmB)

PROJECT CONTACT

CONSTRUCTION, CONTACT:

KEVIN THORSTAD, PE

ARLINGTON, VA 22203

571-257-2865

SHOULD PROBLEMS WITH EROSION AND

4245 NORTH FAIRFAX DR, SUITE 650

KEVIN.THORSTAD@LITTLEONLINE.COM

LITTLE DIVERSIFIED ARCHITECTURAL CONSULTING

SEDIMENT CONTROL ARISE DURING

DENUDED AREA: 0.60 AC LATITUDE: LONGITUDE:

DOWNSTREAM CREEK: ZONE:

_____ TPF _____

_____ LOD _____

____ CFS ____

OCTOBER 19, 2004 EFFECTIVE DATE:

SITE INFORMATION

SITE SOILS: TOTAL SITE AREA: 7.56 AC

N 89°13'30" W 550.00'

38°30'00" N 76°45'17" W RIVER BASIN: PATUXENT RIVER INDIAN CREEK

FLOODPLAIN INFORMATION: MAP NUMBERS:

24037C0038E & 24037C0019E

SANITARY SEWER NOTES A. SANITARY SEWER LINE(S) TO BE INSTALLED PER METCOM AND MARYLAND DEPT. OF THE ENVIRONMENT. MAINTAIN MINIMUM 10' HORIZONTAL SEPARATION AND MINIMUM 18" VERTICAL SEPARATION BETWEEN WATER LINE AND SANITARY SEWER LINES. SANITARY SEWER MAINS SHALL BE PVC (ASTM D3034-SDR 35) WITH STONE BEDDING EXCEPT WHERE DUCTILE IRON PIPE OR LONG SPAN STEEL PIPE IS SHOWN. DUCTILE IRON PIPE SHALL BE BITUMINOUS COATED, CEMENT LINED WITH PUSH-ON JOINTS CONFORMING TO ASA A21.54 PC350. TRANSITIONAL COUPLINGS SHALL BE USED FOR PVC/DI SEWER CONNECTIONS. SEWER SERVICES SHALL BE SCHEDULE 40 PVC. LONG SPAN STEEL PIPE SHALL BE COATED ON BOTH SIDES WITH 3 MILS EPOXY. ANY SEWER LINE PLACED AT 16' OR GREATER IN DEPTH SHALL BE DUCTILE IRON D. ALL SEWER MANHOLES SHALL BE PRE-CAST CONCRETE WITH INTEGRALLY CAST WATERTIGHT CONNECTIONS. E. DUCTILE IRON PIPE SHALL BE IN ACCORDANCE WITH AWWA C150/A21.50 & AWWA C151/A21.51. F. PLACE CLEAN-OUTS ON SANITARY SEWER LINES PER PLUMBING CODE REQUIREMENTS. G. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL BURIED PIPE. BACKFILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. STONES, OTHER THAN CRUSHED BEDDING, SHALL NOT COME INTO CONTACT WITH THE PIPE AND SHALL NOT BE WITHIN 6" OF THE PIPE. CONTRACTOR TO LOCATE BUILDING TIE-INS PER PLUMBING PLANS. SEWER SERVICE LATERALS CONNECTION TO THE MAINLINE WITHIN 10' OF A MANHOLE MUST GO DIRECTLY INTO THE MANHOLE. COORDINATE WITH MANUFACTURER TO VERIFY PACKAGED PUMP STATION IS HS-20 TRAFFIC RATED. ADD HS-20 TRAFFIC RATED COVER. MATCH PIPE SIZE AND MAINTAIN PIPING SLOPE BETWEEN THE PUMP STATION TO THE EXISTING COLLECTION TANK REFER TO THE FOLLOWING PLANS: TREATMENT SYSTEM UPGRADE FOOD LION #139, DELHAIZE AMERICA SHARED SERVICES GROUP, LLC, DATED 09/04/2015. RELOCATE PACKAGED PUMP TIE TO EXISTING STATION (SEE NOTE J) SEPTIC SYSTEM (SEE NOTE K) PROP. 4" PVC SANITARY SEWER HINE TVD PROPOSED 4" SANITARY SEWER CLEANOUT, TYP. ASPHALT NEW TRAFFIC RATED 4000 GAL. NEW TRAFFIC RATED OIL/WATER SEPARATOR 6,000 GAL. SEPTIC TO MATCH EXISTING (SEE NOTE L) TANK TO MATCH EXISTING (SEE NOTE L) AND GREASE INTERCEPTOR BEYOND THIS POINT FF=179.12 FOOD LION STORE #1319 37701 MOUNT WOLF RD FF=179.18' BUILDING HEIGHT AGL 22.5' FF=179.12' -RAMP — FF=179.08 N 89°13'30" W 550.00' N 89'13'30" W 58.00' N 89.13,30, M 6.00 BUS STOP —

Know what's below.

Call before you dig.

GRAPHIC SCALE

CAUTION!!!

The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

and elevations prior to the start of construction

1" = 30'

DIVERSIFIED ARCHITECTURAL CONSULTING

615 South College St. Ste. 1600 Charlotte, NC 28202 T: 704.525.6350 F: 704.561.8700 www.littleonline.com

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1/28/2020

FOOD #5 LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

ISSUE	DATE	
1.2	28.2020	
REVISIO	NS	
NO.	REASON	DATE

PRINCIPAL IN CHARGE
Tim Morrison, AIA PROJECT MANAGER
Stephanie Lewis DESIGN TEAM
BK, EJ
PROJECT NAME

Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER 1319FLMK19

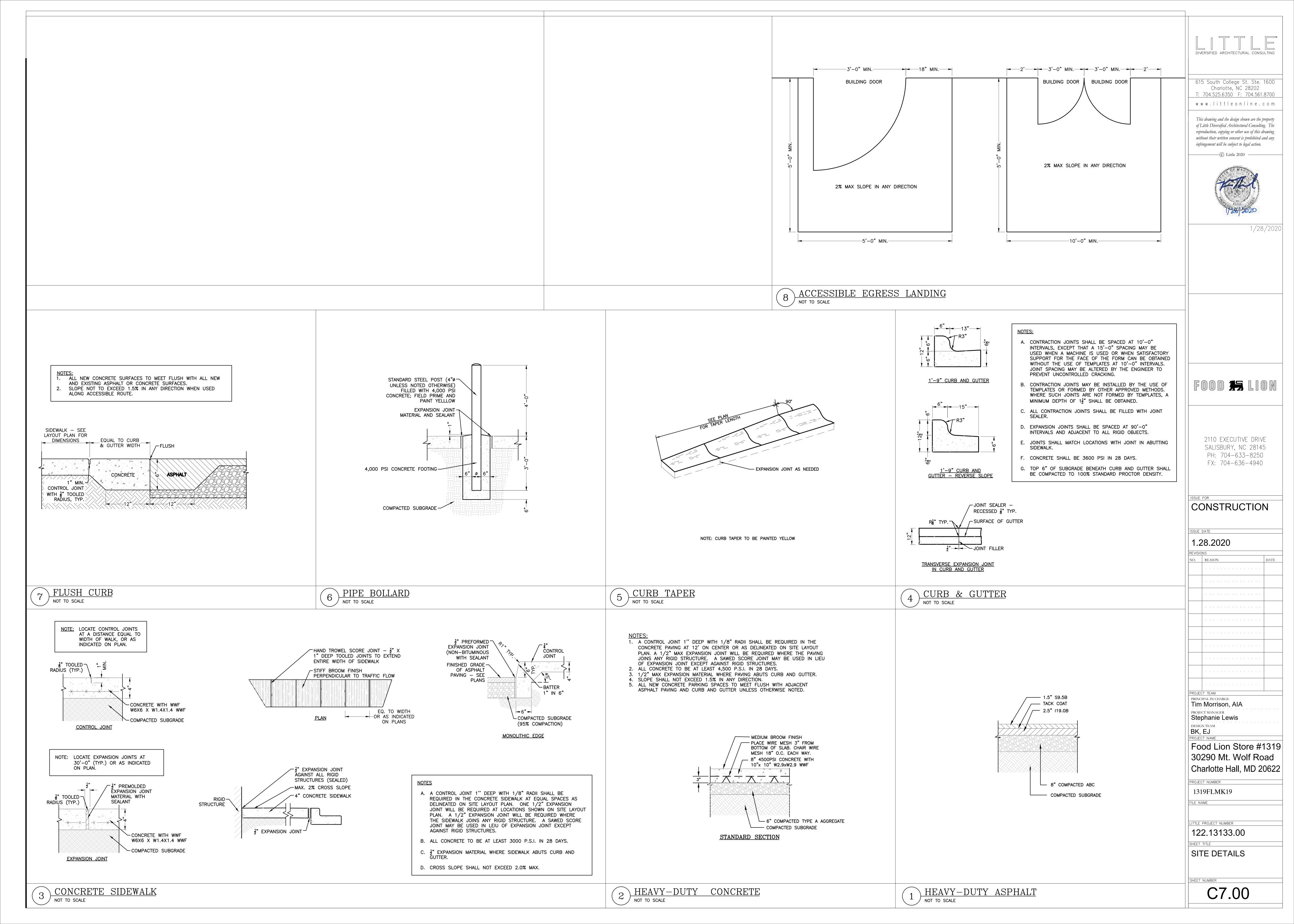
LITTLE PROJECT NUMBER

122.13133.00

UTILITY PLAN

SHEET NUMBER

C6.00



1/ Seeding Rates: Seeding rates for the warm-season grasses are in pounds of Pure Live Seed (PLS). Actual planting rates must be adjusted to reflect percent seed germination and purity, as tested. Adjustments are usually not needed for the cool-season grasses, legumes, or wildflowers. All legume seeds must be inoculated before planting with the appropriate Rhizobium bacteria. When feasible, hard-seeded legumes should be scarified to improve germination.

2/ Soil Drainage Class (refer to the county soil survey for further information): E - Excessively Drained; W - Well Drained; MW - Moderately Well Drained; SP - Somewhat Poorly Drained; P - Poorly Drained.

3/ Maintenance Level:

A - Intensive mowing (every 2 - 4 days), fertilization, lime, insect and weed control, and watering (examples: high maintenance lawns and athletic fields). B - Frequent mowing (every 4 - 7 days), occasional fertilization, lime, pest control, and watering (examples: residential, school, and commercial lawns). C - Periodic mowing (every 7 - 14 days), occasional fertilization and lime (examples: residential lawns, parks). D - Infrequent or no mowing, fertilization, or lime after the first year of establishment (examples: wildlife areas, roadsides, steep banks).

4/ Turf-type cultivars of tall fescue and Kentucky bluegrass must be selected based on recommendations of the University of Maryland Cooperative Extension Service, Agronomy Mimeo 77. Recommendations are as follows:

A. Kentucky Bluegrass -1. The following Kentucky bluegrass cultivars are suitable for general use, and are also noted for shade tolerance:

2. The following Kentucky bluegrass cultivars are suitable for general use, and are also noted for tolerance of low maintenance conditions:

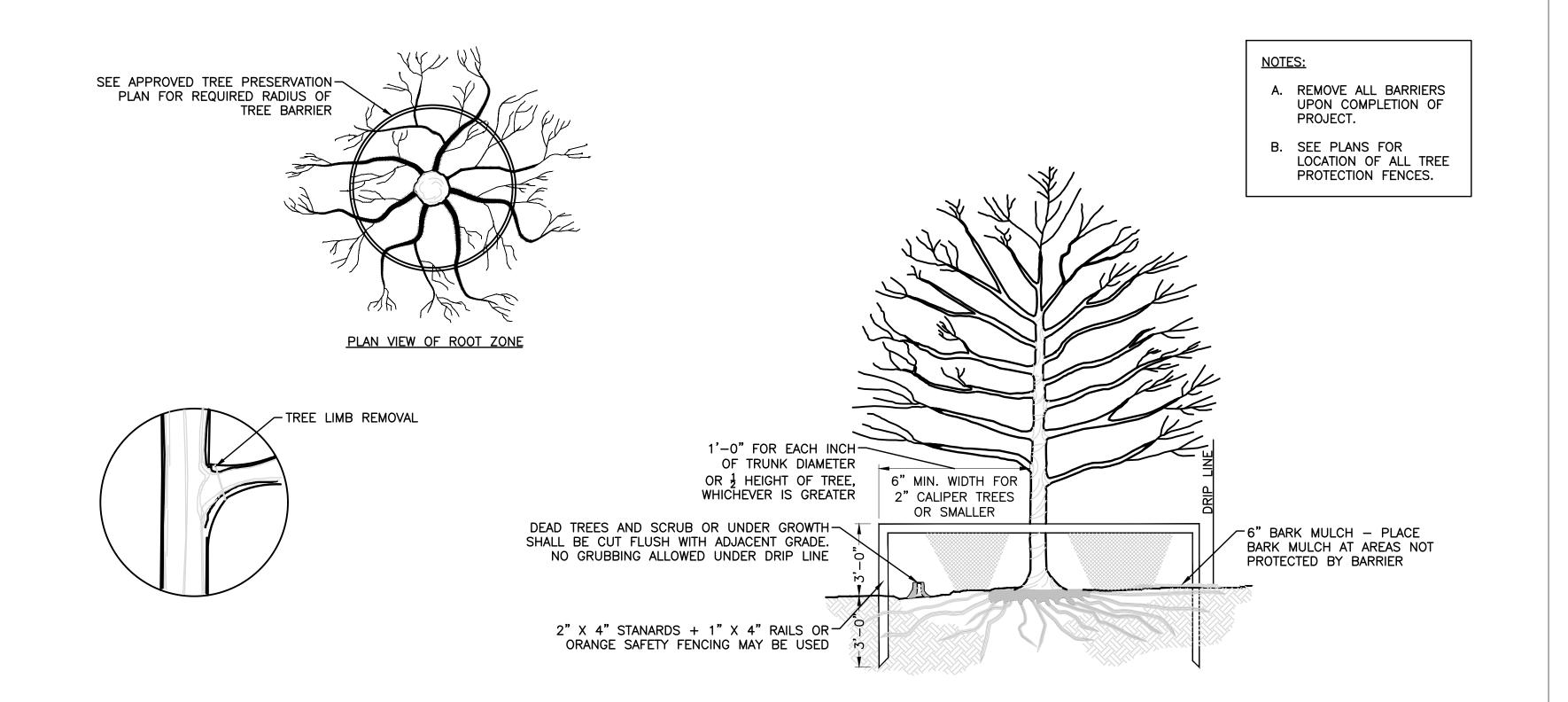
Freedom

B. <u>Tall Fescue</u> - The following turf-type cultivars are suitable for general use:

Alamo E	Bulldawg	Debutante	Good-En	Micro DD	Rebel 3D*	Scorpio	Titan 2
Apache II	Chapel Hill	Dominion	Grande	Millennium	Rebel III*	Shenandoah	Tomahawk*
Avanti*	Chieftain II*	Duke	Guardian	Olympic Gold	Rebel Jr.	Shenandoah II	Trailblazer II
Axiom	Chinook	Duster*	Heritage	Oncue	Rebel Sentry	Southern Choice*	Twilight II
Bandana	Cochise II	Eldorado*	Houndog 5	Pixie	Red Coat	SR 8200	Virtue*
Barlexus	Comstock	Empress	Jaguar III	Pixie E+	Regiment*	SR 8300	Watchdog
Barrington	Coyote	Falcon II*	Lancer	Plantation	Rembrandt	Stetson	Wolfpack
Bonanza*	Crossfire*	Finelawn Petite*	Leprechaun	Pyramid	Renegade	Tarheel	WPEZE
Bonanza II	Crossfire II	Genesis	Masterpiece	Rebel 2000	Reserve	TF6	Wyatt

Tall fescue cultivar names that are followed by an asterisk (*) have low endophyte levels (20% or lower, based on seed analysis). To avoid livestock health problems due to endophyte toxicity, use low-endophyte cultivars for critical area plantings where livestock may be allowed to graze (e.g., heavy use grass loafing paddocks). Please note that endophyte levels in plantings can vary between varieties, between fields of the same variety, and with the time of year. For areas where livestock will not have access, cultivars with higher endophyte levels are desirable because they tend to be more drought tolerant and more resistant to disease and insect damage.

PERMANENT SEEDING NOTES



Permanent Seeding Summary

		one (from Figure (from Table B	re B.3): <u>7A</u> B.3): <u>TALL FES</u>	<u>C</u> UE	F	ertilizer Rate (10-20-20)	e	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	N	P ₂ O ₅	K_20	Lime Kate
	TALL FESCUE	100	FEB 15-APR 30	½- ½ in	45 pounds	90 lb/ac	90 lb/ac	2 tons/ac
8	KENTUCKY BLUEGRASS		FEB 15-APR 30	½- ½ in	per acre (1.0 lb/	(2 lb/	(2 lb/	(90 lb/
				½- ½ in	1000 sf)	1000 sf)	1000 sf)	1000 sf)

Table B.1: Temporary Seeding for Site Stabilization

Seedi	ng Rate 1/	Seeding	Recommended Seeding	g Dates by Plant Hardin	ess Zone 3/
lb/ac	lb/1000 ft ²	(inches)	5b and 6a	6b	7a and 7b
40	1.0	0.5	Mar 15 to May 31; Aug 1 to Sep 30	Mar 1 to May 15; Aug 1 to Oct 15	Feb 15 to Apr 30; Aug 15 to Nov 30
96	2.2	1.0	Mar 15 to May 31; Aug 1 to Sep 30	Mar 1 to May 15; Aug 1 to Oct 15	Feb 15 to Apr 30; Aug 15 to Nov 30
72	1.7	1.0	Mar 15 to May 31; Aug 1 to Sep 30	Mar 1 to May 15; Aug 1 to Oct 15	Feb 15 to Apr 30; Aug 15 to Nov 30
120	2.8	1.0	Mar 15 to May 31; Aug 1 to Sep 30	Mar 1 to May 15; Aug 1 to Oct 15	Feb 15 to Apr 30; Aug 15 to Nov 30
112	2.8	1.0	Mar 15 to May 31; Aug 1 to Oct 31	Mar 1 to May 15; Aug 1 to Nov 15	Feb 15 to Apr 30; Aug 15 to Dec 15
30	0.7	0.5	Jun 1 to Jul 31	May 16 to Jul 31	May 1 to Aug 14
20	0.5	0.5	Jun 1 to Jul 31	May 16 to Jul 31	May 1 to Aug 14
	1b/ac 40 96 72 120 112	40 1.0 96 2.2 72 1.7 120 2.8 112 2.8	Name	1b/ac 1b/1000 ft ² Depth ² /(inches) 5b and 6a	Depth 2/ (inches) Sb and 6a 6b

1/ Seeding rates for the warm-season grasses are in pounds of Pure Live Seed (PLS). Actual planting rates shall be adjusted to reflect percent seed germination and purity, as tested. Adjustments are usually not needed for the cool-season grasses.

Seeding rates listed above are for temporary seedings, when planted alone. When planted as a nurse crop with permanent seed mixes, use 1/3 of the seeding rate listed above for barley, oats, and wheat. For smaller-seeded grasses (annual ryegrass, pearl millet, foxtail millet), do not exceed more than 5% (by weight) of the overall permanent seeding mix. Cereal rye generally should not be used as a nurse crop, unless planting will occur in very late fall beyond the seeding dates for other temporary seedings. Cereal rye has allelopathic properties that inhibit the germination and growth of other plants. If it must be used as a nurse crop, seed at 1/3 of the rate listed above. Oats are the recommended nurse crop for warm-season grasses.

2/ For sandy soils, plant seeds at twice the depth listed above. 3/ The planting dates listed are averages for each Zone and may require adjustment to reflect local conditions, especially near the boundaries of the zone.

PERMANENT SEEDING SUMMARY

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

TEMPORARY SEEDING

STANDARD SYMBOL STANDARD SYMBOL ⊢----FL-18------⊢----FL-18------DETAIL E-6 FILTER LOG DETAIL E-6 FILTER LOG DESIGNATION FL-18 REFERS TO 18 INCH DIAMETER FILTER LOG. CONSTRUCTION SPECIFICATIONS PRIOR TO INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION OF FILTER LOG. 2. FILL LOG NETTING UNIFORMLY WITH COMPOST (IN ACCORDANCE WITH SECTION H-1 MATERIALS). OR OTHER APPROVED BIODEGRADABLE MATERIAL TO DESIRED LENGTH SUCH THAT LOGS DO NOT DEFORM. 3. INSTALL FILTER LOGS PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE WITH THE BEGINNING AND END OF THE INSTALLATION POINTING SLIGHTLY UP THE SLOPE CREATING A "J" -2 IN x 2 IN SHAPE AT EACH END TO PREVENT BYPASS. 4. FOR UNTRENCHED INSTALLATION BLOW OR HAND PLACE MULCH OR COMPOST ON UPHILL SIDE OF THE SLOPE ALONG LOG. 5. STAKE FILTER LOG EVERY 4 FEET OR CLOSER ALONG ENTIRE LENGTH OF LOG OR TRENCH LOG INTO GROUND A MINIMUM OF 4 INCHES AND STAKE LOG EVERY 8 FEET OR CLOSER. 6. USE STAKES WITH A MINIMUM NOMINAL CROSS SECTION OF 2X2 INCH AND OF SUFFICIENT LENGTH TO ATTAIN A MINIMUM OF 12 INCHES INTO THE GROUND AND 3 INCHES PROTRUDING ABOVE LOG. WHEN MORE THAN ONE LOG IS NEEDED, OVERLAP ENDS 12 INCHES MINIMUM AND STAKE. 3. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO A DEPTH OF 1/2 THE EXPOSED HEIGHT OF LOG AND REPLACE MULCH. REPLACE FILTER LOG IF TORN. REINSTALL FILTER LOG IF UNDERMINING OR DISLODGING OCCURS. REPLACE CLOGGED FILTER LOGS. FOR PERMANENT APPLICATIONS, ESTABLISH AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH TRENCH INTO GROUND 4 IN MIN. SECTION B-4 VEGETATIVE STABILIZATION. TO ½ HEIGHT OF LOG UNTRENCHED INSTALLATION ENTRENCHED INSTALLATION* *THIS APPLICATION MAY NOT BE USED WITH LOGS SMALLER THAN 12 IN. ISOMETRIC VIEW MULCH OR COMPOST FOR UNTRENCHED LOGS AREA TO BE PROTECTED SHEET FLOW WORK AREA 1 OF 2 2 OF 2 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

CONCRETE PAD — SEE —

DETAIL 2/C7.00

SLEEVE

LATCH

CONSTRUCTION

FOOD **15** LION

2110 EXECUTIVE DRIVE

SALISBURY, NC 28145 PH: 704-633-8250

FX: 704-636-4940

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1/28/2020

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Charlotte, NC 28202

1.28.2020

PRINCIPAL IN CHARGE Tim Morrison, AIA

PROJECT MANAGER Stephanie Lewis

DESIGN TEAM

Food Lion Store #1319

30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER 1319FLMK19

LITTLE PROJECT NUMBER

122.13133.00

SITE DETAILS

IEET NUMBER C7.01

DUMPSTER ENCLOSURE NOT TO SCALE

FILTER LOG NOT TO SCALE

NOT TO SCALE

A. INLET MAINTENANCE SHALL BE DOCUMENTED IN PROJECT LOG BOOK.

TREE PROTECTION FENCE

<u>SECTION</u>

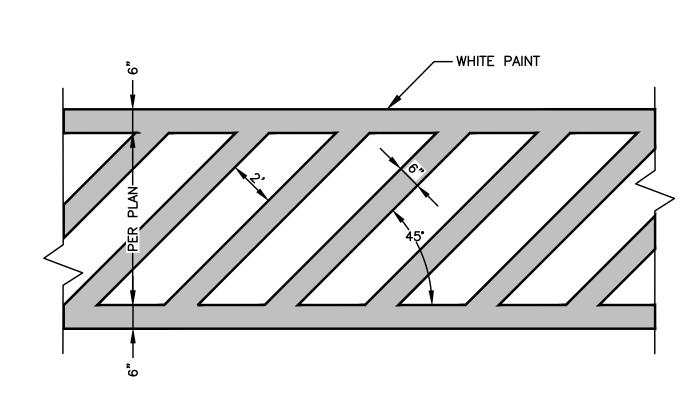
CATCH BASIN INSERT INLET PROTECTION

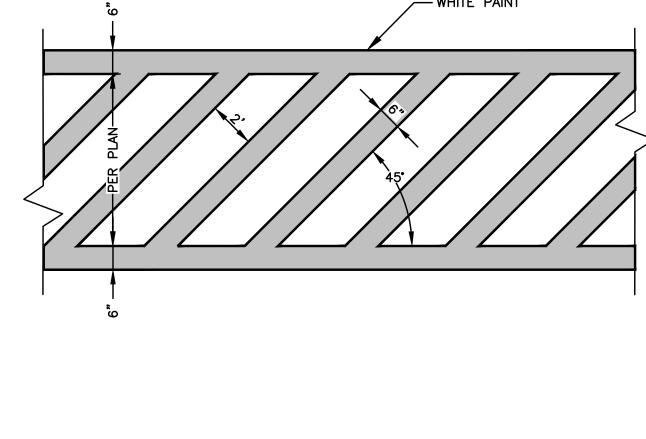
B. FILTER BAGS MAY BE REMOVED WHEN SITE IS STABILIZED.

C. FILTER BAGS SHALL NOT BE MORE THAN HALF FULL AT ANY TIME.

1" REBAR FOR T BAG REMOVAL FROM INLET - DEFLECTOR EXPANSION-RESTRAINT CATCH BASIN-

<u>INSTALLATION</u>





PAINTED ACCESSIBLE CROSSWALK NOT TO SCALE

CONCRETE NOTES:

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

1. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

2. AGGREGATES SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C33.

3. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE I OR II, LOW ALKALI OR AS REQUIRED TO SATISFY SITE SOIL CONDITIONS AS DETERMINED BY THE PROJECT SOILS ENGINEER.

4. WATER SHALL BE POTABLE, CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OIL, ACIDS, ALKALIS, SALTS, ORGANIC MATERIALS, OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR REINFORCEMENT.

BY THE ENGINEER. 6. MAXIMUM PERMISSIBLE WATER-CEMENT RATIOS FOR CONCRETE WHEN STRENGTH DATA FROM TRIAL BATCHES ARE NOT AVAILABLE SHALL CONFORM TO TABLE 4.5

5. ADMIXTURES TO BE USED IN CONCRETE SHALL BE SUBJECT TO PRIOR APPROVAL

OF ACI STANDARD 318-77 OR BASED ON SULFATE CONTENT OF THE SITE SOILS, AS DETERMINED BY THE SOILS ENGINEER. THE LOWER WATER-CEMENT RATIO

7. CONCRETE SHALL BE CURED WHILE IN A MOIST CONDITION FOR AT LEAST THE FIRST 7 DAYS AFTER PLACEMENT. METHODS FOR ACCELERATED CURING SHALL HAVE PRIOR APPROVAL OF THE ENGINEER.

8. THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE: SLABS ON GRADE... ...CENTER OF SLAB CONCRETE BELOW GRADE, FORMED.. CONCRETE BELOW GRADE, UNFORMED

(POURED AGAINST EARTH)... CONCRETE EXPOSED TO WEATHER.. ..1-1/2"

CONCRETE NOTES NOT TO SCALE

NOTES: SEE ARCHITECTURAL PLANS FOR CMU WALL/FOOTING DETAILS.

6" DIA. BOLLARD FILLED

WITH CONCRETE, TYP.-

SEE DETAIL 6/C5.00

U.S. DEPARTMENT OF AGRICULTURE TURAL RESOURCES CONSERVATION SERVICE

'STEEL TUBE SET IN-

CONCRETE FOOTING

10'-6" X 6'-10"

PAINTED PT-09

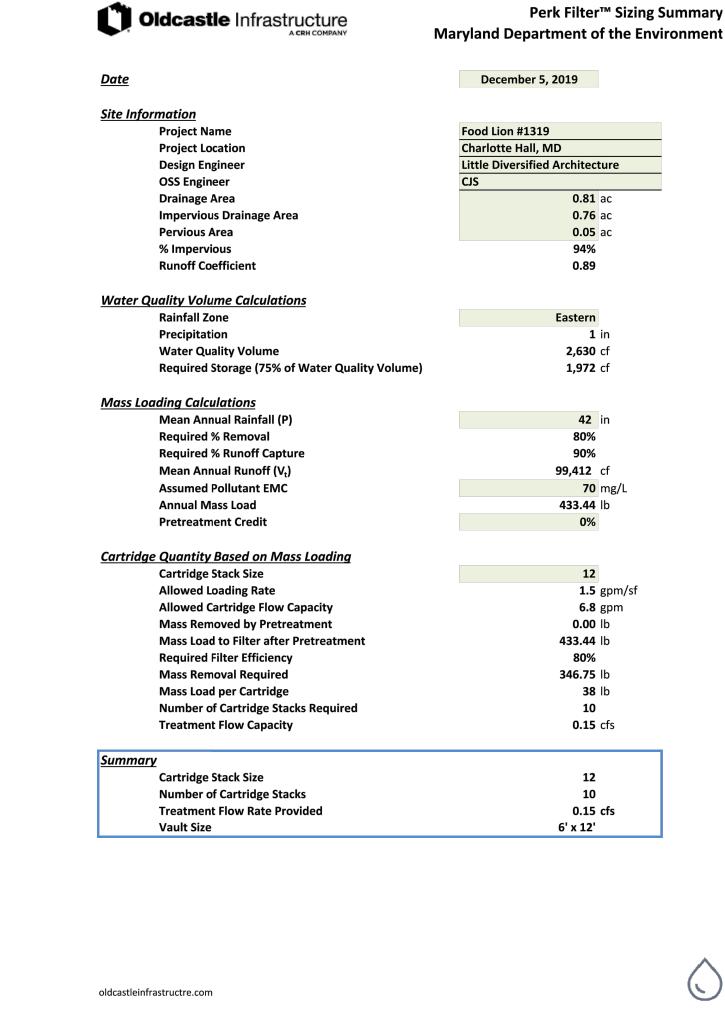
GALVANIZED GATES

54" DEPTH INTO

Oldcastle Infrastructure Perk Filter™ Sizing Summary **Maryland Department of the Environment** December 5, 2019 Site Information Food Lion #1319 **Project Name** Charlotte Hall, MD **Project Location** Little Diversified Architecture **Design Engineer OSS Engineer Drainage Area 0.62** ac **Impervious Drainage Area 0.53** ac **Pervious Area 0.09** ac % Impervious 85% **Runoff Coefficient** 0.82 **Water Quality Volume Calculations** Eastern Rainfall Zone **Precipitation Water Quality Volume 1,844** cf Required Storage (75% of Water Quality Volume) **1,383** cf **Mass Loading Calculations 42** in Mean Annual Rainfall (P) Required % Removal Required % Runoff Capture **69,705** cf Mean Annual Runoff (V_t) **Assumed Pollutant EMC 70** mg/L **303.91** lb **Annual Mass Load Pretreatment Credit** 0% **Cartridge Quantity Based on Mass Loading** Cartridge Stack Size Allowed Loading Rate **1.5** gpm/sf **Allowed Cartridge Flow Capacity 6.8** gpm **Mass Removed by Pretreatment 0.00** lb **303.91** lb Mass Load to Filter after Pretreatment Required Filter Efficiency 80% Mass Removal Required **243.13** lb Mass Load per Cartridge **38** lb Number of Cartridge Stacks Required **0.11** cfs Treatment Flow Capacity Cartridge Stack Size Number of Cartridge Stacks **Treatment Flow Rate Provided** 0.11 cfs Vault Size 6' x 8'

oldcastleinfrastructre.com

DA 2 LOADING CALCULATIONS



DA 1 LOADING CALCULATIONS

NOT TO SCALE

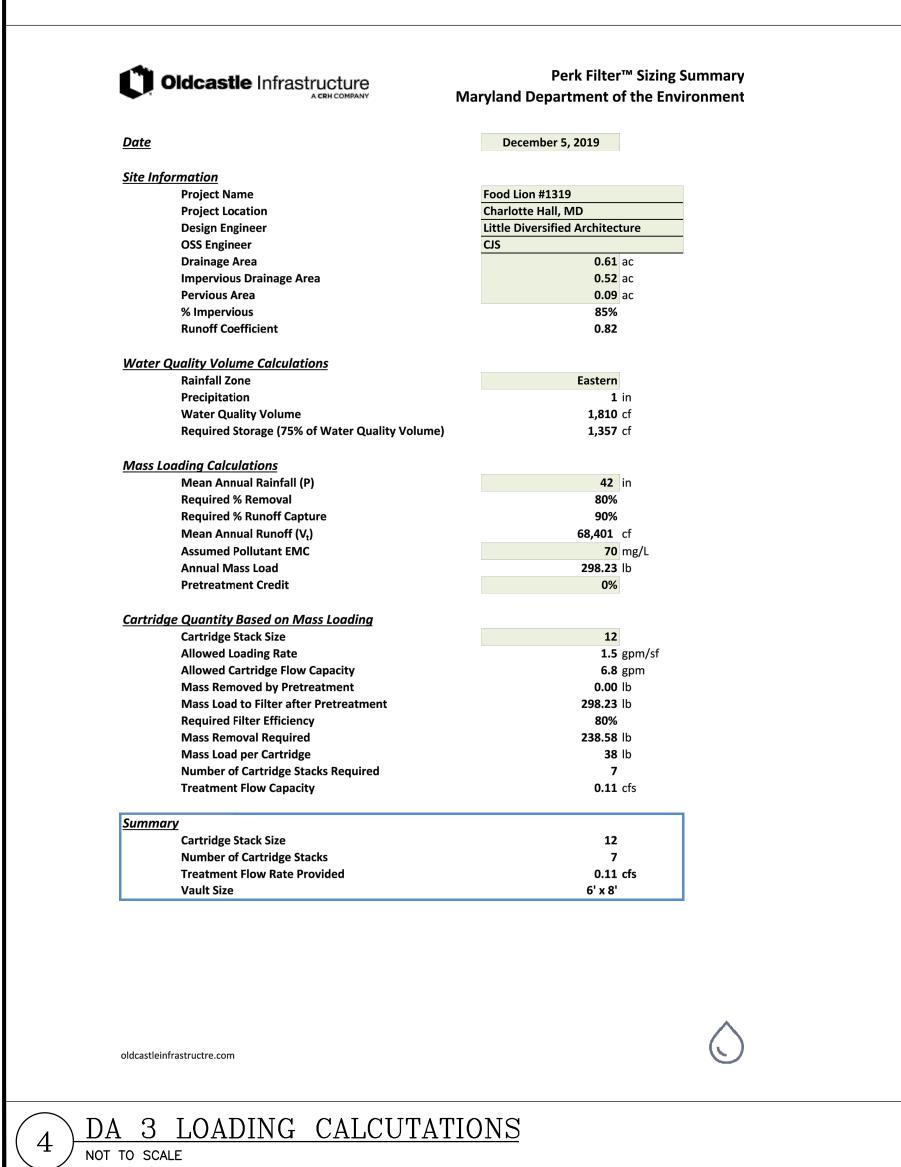
— ø24" MAXIMUM. SEE NOTE 3. BASE. ø24" MAXIMUM. – SEE NOTE 3. PERK FILTER™ CARTRIDGES. - CONCRETE FALSE FLOOR. OUTLET CHAMBER. CONCRETE DIVIDER WALL. INLET GALLERY. --2X INLET WEIR/BYPASS ASSEMBLY. Notes: Precast concrete structure shall be manufactured in accordance with ASTM Designation C857 and C858. Filter system shall be supplied with traffic rated (H20) bolted & gasketed Ø36" circular access covers with risers as required. Shallow applications may require configurations with (H20) bolted & gasketed square/rectangular access hatches. Field poured concrete collars required, by others. 3. Inlet & outlet pipe(s) (Ø 24" maximum) may enter device on all three sides of the inlet & outlet chambers respectively. 4. Inlet chamber shall be supplied with a drain-down device designed to remove standing water between storm events. 5. For depths less than specified minimums contact Oldcastle ® Stormwater Solutions for engineering assistance. Oldcastle®
Stormwater Solutions Perk Filter™ Stormwater Solutions 6' Wide Concrete Vault 6' Wide Concrete Vault

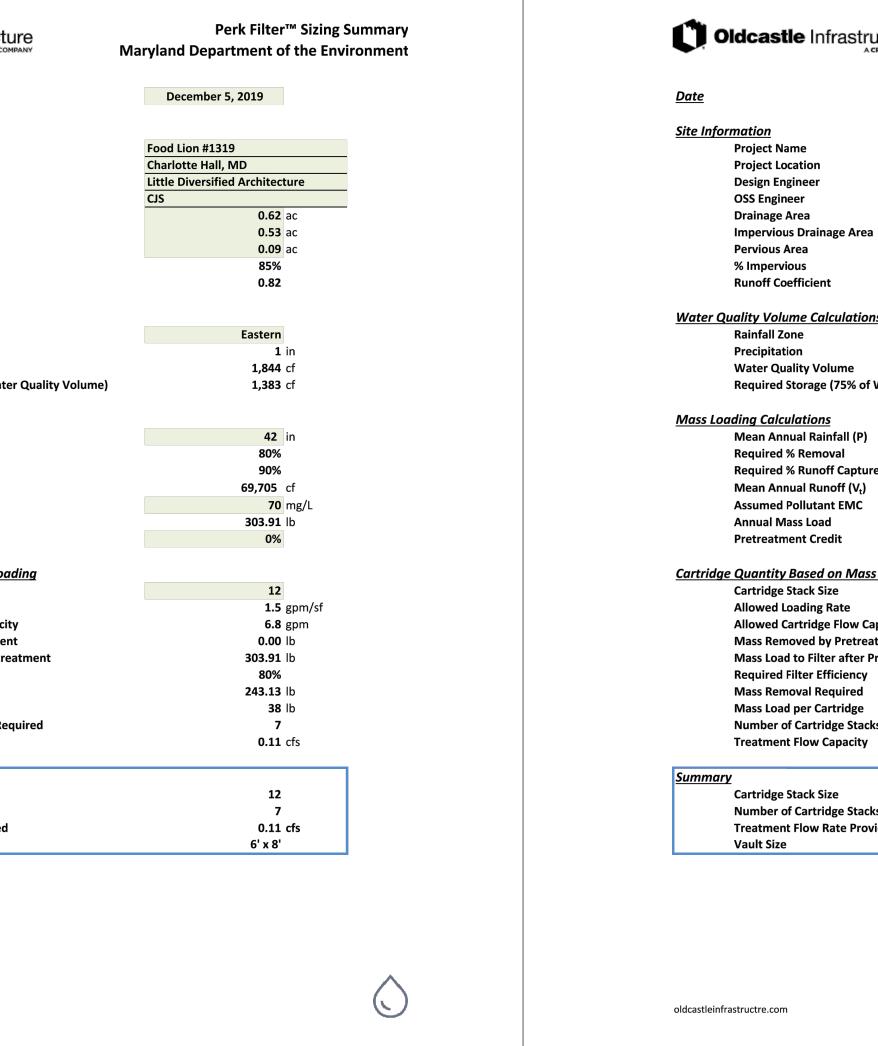
7921 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com
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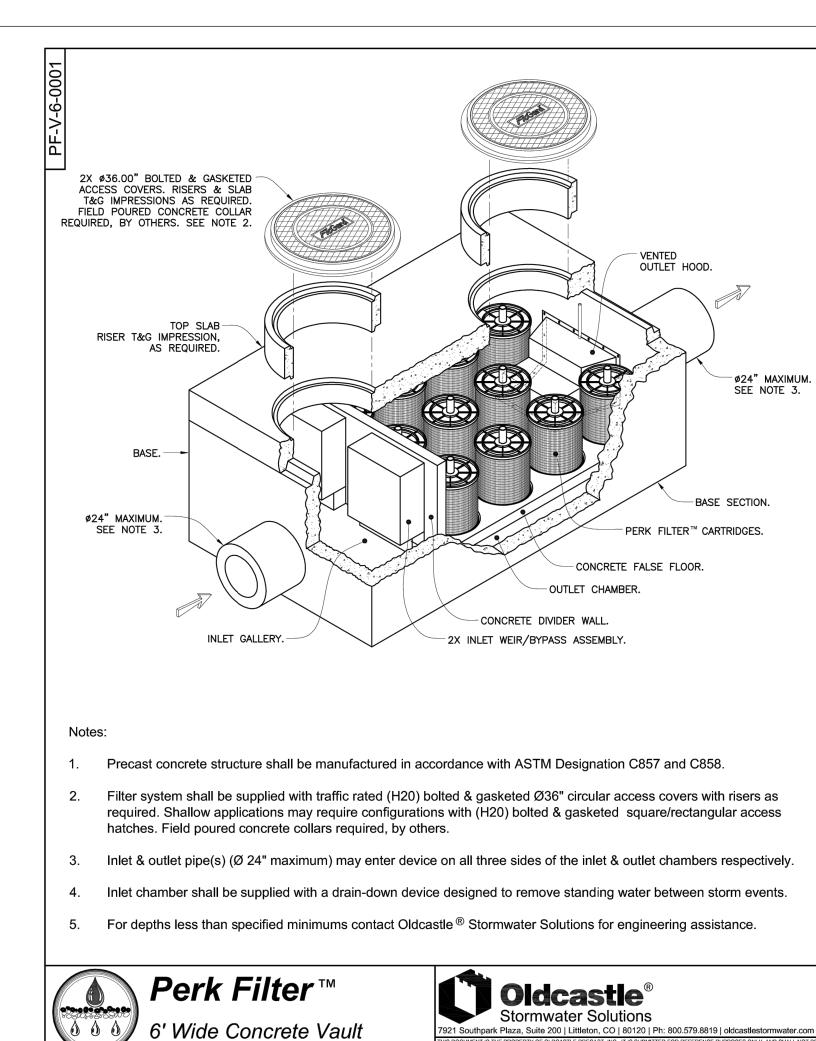
| DRAWING NO. | REV | ECO | ECO | O122 | JPR 7/8/08 | SHEET 1 OF 2

SHEET IS A PROPRIETARY SYSTEM. THE DESIGN AND CALCULATIONS HAVE BEEN PERFORMED BY OLDECASTLE INFRASTRUCTURE AND WHOM HAVE RESPONSIBILITY FOR VERIFYING THE SYSTEMS CAPABILITIES BASED ON THE

NOTE: THE SYSTEM PRESENTED ON THIS PROVIDED SITE CRITERIA.







STORM WATER FILTRATION SYSTEM NOT TO SCALE

DIVERSIFIED ARCHITECTURAL CONSULTING

615 South College St. Ste. 1600 Charlotte, NC 28202 T: 704.525.6350 F: 704.561.8700 www.littleonline.com

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1/28/2020

FOOD #5 LION

2110 EXECUTIVE DRIVE SALISBURY, NC 28145 PH: 704-633-8250 FX: 704-636-4940

CONSTRUCTION

ISSUE	DATE	
1.2	28.2020	
REVISION NO.	ONS REASON	DATE
1,0.		BIII

PRINCIPAL IN CHARGE Tim Morrison, AIA PROJECT MANAGER Stephanie Lewis DESIGN TEAM

BK, EJ Food Lion Store #1319 30290 Mt. Wolf Road Charlotte Hall, MD 20622

PROJECT NUMBER 1319FLMK19

LITTLE PROJECT NUMBER

FILE NAME

122.13133.00 OLDCASTLE

SYSTEM DETAILS

SHEET NUMBER C7.02

STORM WATER INFORMATION

A. EXISTING IMPERVIOUS SURFACE: 2.74 ACRES

B. EXISTING BUILDING: 0.86 ACRES

C. EXISTING PERVIOUS SURFACE:. 3.96 ACRES

D. TOTAL SITE AREA: 7.56 ACRES

STORM WATER TREATMENT INFORMATION

A. 50% OF EXISTING IMPERVIOUS SURFACE: 1.80 ACRES

B. PROPOSED EXISTING IMPERVIOUS SURFACE TREATED: 1.81 ACRES

C. PROPOSED ADDITIONAL IMPERVIOUS SURFACE: 0.112 ACRES (4,916 SF)

D. PROPOSED ADDITIONAL PERVIOUS SURFACE: 0.117 ACRES (5,100 SF)

E. PROPOSED TREATED AREAS (FOLLOWING IMPERVIOUS SURFACE REDUCTION):

E.A. DA 1: IMPERVIOUS = 0.75 ACRES (32,740 SF), PERVIOUS = 0.05 ACRES (2,140 SF) E.B. DA 2: IMPERVIOUS = 0.54 ACRES (23,340 SF), PERVIOUS = 0.08 ACRES (3,910 SF)

E.C. DA 3: IMPERVIOUS = 0.52 ACRES (22,830 SF), PERVIOUS = 0.10 ACRES (4,010 SF)

<u>LEGEND</u>

A. PROPOSED NEW IMPERVIOUS SURFACE

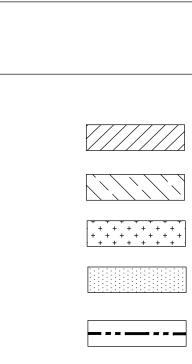
B. PROPOSED BUILDING EXTENSION

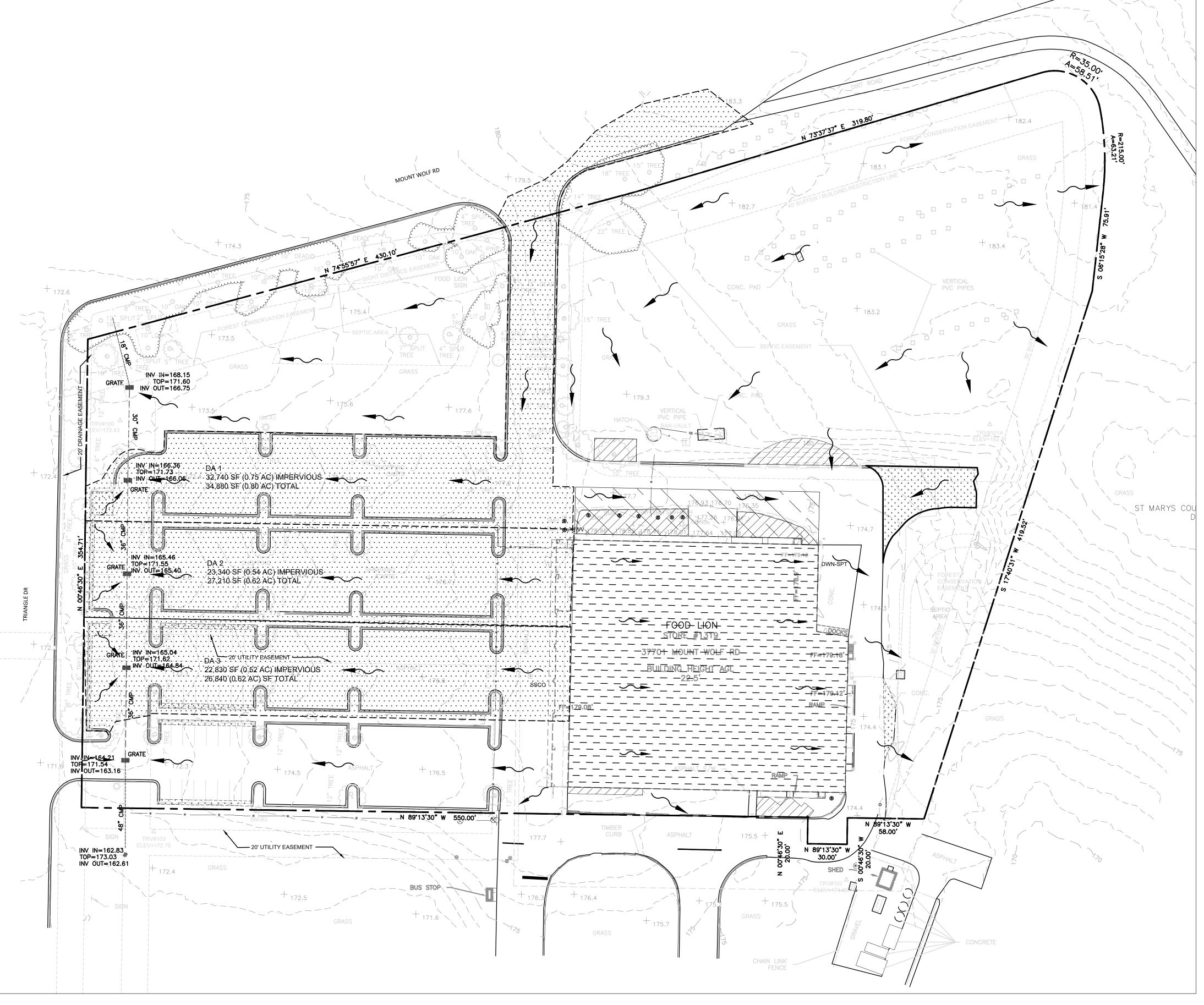
C. PROPOSED NEW PERVIOUS SURFACE

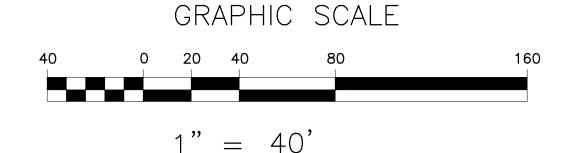
D. PROPOSED TREATED DRAINAGE AREAS

E. PROPERTY LINE

F. DRAINAGE DIRECTION









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FOOD #5 LI

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CONSTRUCTIO

ISSUE DATE

1.28.2020

REVISIONS

NO. REASON

PRINCIPAL IN CHARGE
Tim Morrison, AIA
PROJECT MANAGER
Stephanie Lewis
DESIGN TEAM
BK, EJ

Food Lion Store # 30290 Mt. Wolf Ro Charlotte Hall, MD 2

PROJECT NUMBER

1319FLMK19

LITTLE PROJECT NUMBER

122.13133.00

STORMWATE POST DEVEL

Supermarkets_Food Lion\122-13133-00 1319 Charlotte Hall, MD\5 Site\5 DD\STORM WATER.dwg_Feb 3, 2020-2:20

STORM WATER INFORMATION

A. EXISTING IMPERVIOUS SURFACE: 2.74 ACRES

B. EXISTING BUILDING: 0.86 ACRES

C. EXISTING PERVIOUS SURFACE:. 3.96 ACRES

D. TOTAL SITE AREA: 7.56 ACRES

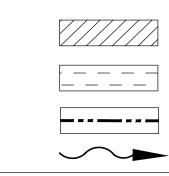
LEGEND

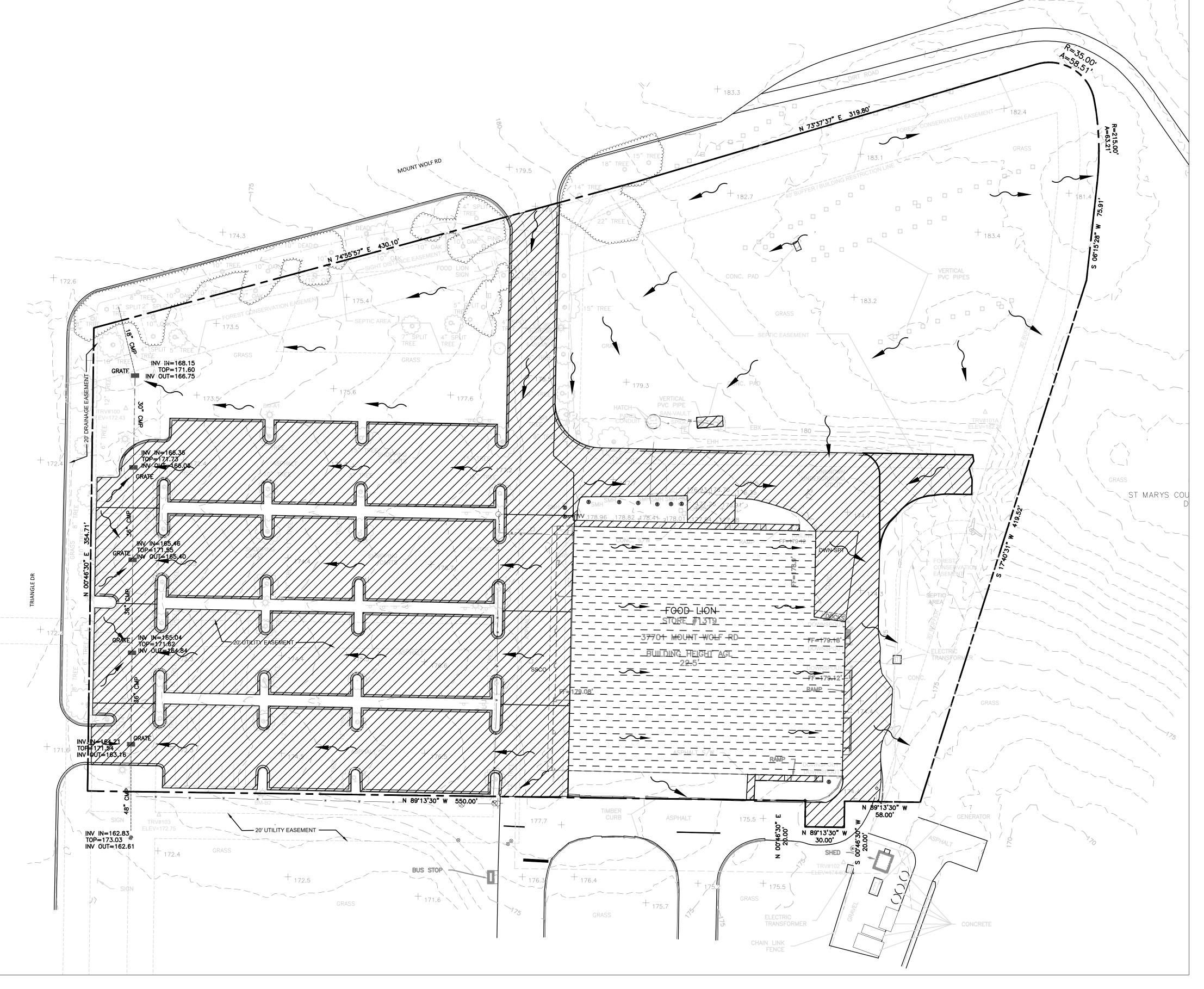
A. EXISTING IMPERVIOUS SURFACE:

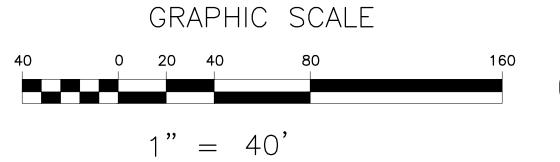
B. EXISTING BUILDING

C. PROPERTY LINE

D. DRAINAGE DIRECTION







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CONSTRUCTIO

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NO.	REASON	
110.	TREATOGIA	
	CT TEAM	

Tim Morrison, AIA PROJECT MANAGER
Stephanie Lewis BK, EJ

Food Lion Store # 30290 Mt. Wolf Ro Charlotte Hall, MD 2

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STORMWATER PRE DEVELOR PLAN