



GENERAL GRADING NOTES

- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- PRE-CAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
- CONTRACTOR HAS THE OPTION TO BID THE FOLLOWING MATERIAL FOR THE STORM SEWER SYSTEM EXCEPT WHERE OTHERWISE NOTED: RCP, PVC OR HDPE AS INDICATED ON THIS PLAN WHERE THE WORD PIPE IS USED. ALL PIPES SHALL HAVE A MAXIMUM ROUGHNESS COEFFICIENT (N) OF 0.013 AND SHALL MEET OR EXCEED THE PIPE MANUFACTURERS REQUIREMENTS FOR MINIMUM AND MAXIMUM COVER. CONTRACTOR SHALL REFER TO THE SITEWORK SPECIFICATION SECTION FOR STORM SEWER SYSTEMS FOR ACCEPTABLE TYPE AND MATERIAL.
- EXISTING AND PROPOSED PIPES SHALL BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS AT THE END OF THE PROJECT.
- EXISTING GRADE CONTOURS SHOWN AT 1 FOOT INTERVALS.
- PROPOSED GRADE CONTOURS SHOWN AT 1 FOOT INTERVALS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6 INCHES ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE SAMS CLUB SPECIAL CONDITIONS, SECTION 6, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION. THIS APPLIES TO SAMS CLUB BUILT PROJECTS ONLY.

EXISTING LEGEND

PROPERTY LINE	---
ADJACENT PROPERTY LINE	---
EASEMENT LINE	---
WOODS LINE	---
UNDERGROUND POWER	---
BUILDING SETBACK LINE	---
LANDSCAPE BUFFER LINE	---
EXISTING CONTOUR LINE	---
UNDERGROUND POWER LINE	---
SANITARY SEWER LINE	---
STORM SEWER LINE	---
IRON PIN FOUND (SIZE AND TYPE AS NOTED)	⊗
1/2" REBAR W/ CAP SET	⊗
NAIL FOUND	⊗
NAIL & DISK SET	⊗
LIGHT POLE	⊗
STORM MANHOLE	⊗
DROP INLET	⊗
SANITARY MANHOLE	⊗
CLEANOUT	⊗
SPOT ELEVATION	⊗
SCHEDULE BH EXCEPTION	⊗
STREET ADDRESS	---
ASPHALT	---
CONCRETE	---
CEMENT	---

DEWATERING NOTE:
 WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS. REFER TO SITE SPECIFICATIONS.

ALERT TO CONTRACTOR:
 ALL SAMS CLUB GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.

FILED AT THE OFFICE OF THE REGISTERED PROFESSIONAL ENGINEER AND SURVEYOR
 SAMS CLUB FUEL STATION #66463-502
 ANDERSON, SOUTH CAROLINA
 05/20/19

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UNLESS SPECIFICALLY INDICATED OTHERWISE BY THE GRADING AND/OR SPECIFICATIONS, THE TOP OF THIS STORM SEWER PREPARATION LINE CONFORMS TO THE CITY OF ANDERSON, SOUTH CAROLINA AND 2 FEET ABOVE THE FINAL SEWER SERVICE BUILDING AND SANITARY MANHOLE. UNLESS OTHERWISE SPECIFIED, ALL EXISTING CONDUITS AND SERVICE PIPES SHALL BE 18 INCHES ABOVE FINISH GRADE. ALL EXISTING CONDUITS SHALL BE 18 INCHES ABOVE FINISH GRADE. ALL EXISTING CONDUITS SHALL BE 18 INCHES ABOVE FINISH GRADE.

AT THE OFFICE OF THE REGISTERED PROFESSIONAL ENGINEER AND SURVEYOR, I HEREBY CERTIFY THAT THE ABOVE DESCRIBED PREPARATION WORK HAS BEEN REVIEWED AND APPROVED FOR THE CITY OF ANDERSON, SOUTH CAROLINA. THE WORK OF THIS PLAN SHALL BE CONSIDERED TO BE THAT OF THE REGISTERED PROFESSIONAL ENGINEER AND SURVEYOR. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE WORK OF THIS PLAN. THE REGISTERED PROFESSIONAL ENGINEER AND SURVEYOR SHALL BE RESPONSIBLE FOR THE WORK OF THIS PLAN. THE REGISTERED PROFESSIONAL ENGINEER AND SURVEYOR SHALL BE RESPONSIBLE FOR THE WORK OF THIS PLAN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR ALL CITY AND STATE REQUIREMENTS. ANY PERMITTED EQUIPMENT OR MATERIALS MUST BE SUBMITTED FOR APPROVAL WITHIN THE CITY OF ANDERSON. ANY UNAPPROVED EQUIPMENT OR MATERIALS SHALL BE REMOVED FROM THE PROJECT SITE IMMEDIATELY UPON NOTICE BY THE CITY OF ANDERSON.

EXISTING AND PROPOSED PIPES SHALL BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS AT THE END OF THE PROJECT.

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REVISIONS

NO.	DATE	DESCRIPTION

Engineering Associates, Inc.
 ENGINEERS • SURVEYORS
 PLANNERS • ARCHITECTS • ENVIRONMENTAL SCIENTISTS
 LANDSCAPE ARCHITECTS

549.77
 N35°25'40"W

SAMS CLUB FUEL STATION #66463-502

GRADING PLAN

3012 LIBERTY HWY #6
 ANDERSON SOUTH CAROLINA

Sams Club

INITIAL DESIGN	11/7/19
DATE	11/7/19
JOB NO.	31076
DWG NAME	31076-GP
DATE	11/7/19
TIME	11:59 AM
SHEET NO.	C5

JOB # 31076 DRAWING # 31076-GP DATE LAST SAVED BY ANDERSON