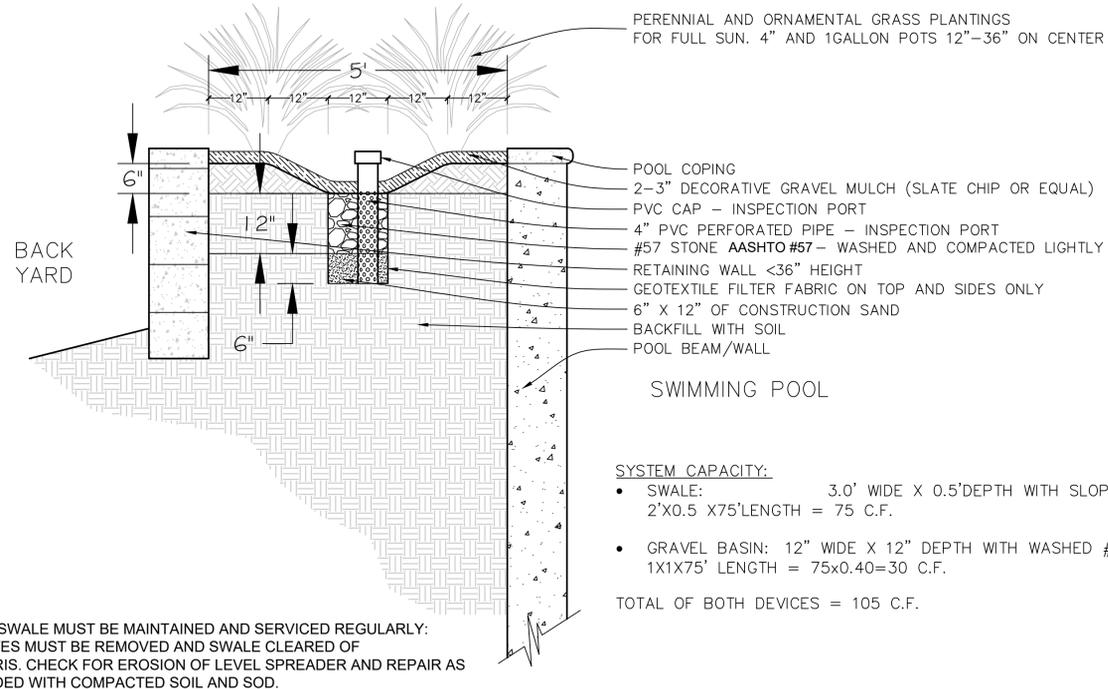


- NOTES:**
- THE SUBJECT HOME LOCATED AT 728 PARK MANOR DR. IS LOCATED IN THE SHERWOOD PARK SUBDIVISION CONSTRUCTED IN 2005 BY SHERWOOD PARK, LLC AND WHALE VENTURES, LLC.
 - THE EXISTING IMPERVIOUS COVER IS 45% AND CURRENTLY AT THE MAXIMUM ALLOWED. IT IS IMPOSSIBLE TO ADD A POOL WITHOUT INCREASING THE IMPERVIOUS COVER OF THE LOT ABOVE THE ALLOWED 45% MAXIMUM COVER.
 - J. LANCASTER & ASSOCIATES IS LISTED ON THE FINAL PLAT AS THE CIVIL ENGINEER FOR THE PROJECT. BASED ON THE DATE OF THE FINAL PLAT THESE PLANS AND THE STAMPED APPROVED SET AND HYDROLOGY STUDY SHOULD BE ON FILE WITH THE CITY OF SMYRNA.
 - THE SUBJECT DEVELOPMENT WAS ZONED AND APPROVED FOR AN LDP AND CONSTRUCTED IN OR AROUND 2005.
 - THE DEVELOPMENT WAS CONSTRUCTED WITH APPROVED DETENTION FACILITIES. A LARGE COMMUNITY DETENTION POND LOCATED AT THE SOUTHWEST END.
 - FOR THE LOT IN QUESTION, IT IS APPARENT THE LOT WAS NOT GRADED SPECIFICALLY SO THE REAR OF THE LOT WOULD DRAIN TO THE DETENTION POND.
 - AN ON-SITE INSPECTION WAS CARRIED OUT BY SJ MURPHY, LLC TO DETERMINE IF THE LOT HAD ANY EXISTING DRAINAGE FEATURES NOT INDICATED ON THE FINAL PLAT. NO ADDITIONAL DRAINAGE FEATURES WERE FOUND. THE REAR OF THE LOT DRAINS GENERALLY TO THE SOUTH.
 - DUE TO THE ABOVE DATA, THE APPLICANT PROPOSES ONLY TO ADDRESS THE IMPERVIOUS SURFACES ADDED AFTER THE INITIAL CONSTRUCTION WHICH INCLUDE THE RETAINING WALL, POOL DECK, POOL SURFACE AND POOL COPING.
 - TO ADDRESS THE THE ADDED IMPERVIOUS SURFACES, THE APPLICANT PROPOSES TO INSTALL A CUSTOM BMP IN A SHALLOW 6" DEEP SWALE WRAPPING AROUND THE POOL DECK. THIS DEVICE INCLUDES A SWALE AND GRAVEL SUMP SYSTEM THAT WILL PROVIDE MORE THAN THE REQUIRED VOLUME.
 - THE TOTAL DISTURBANCE NECESSARY TO CONSTRUCT THE POOL, DECK, DECK AND SWALE IS LESS THAN 2000 SF AND CAN BE CONSTRUCTED BY HAND OR USING SMALL EQUIPMENT, AND THE DETAIL CALLS FOR LANDSCAPING OF THE DISTURBED AREAS.
 - TEMPORARY EROSION CONTROL MEASURES ARE PROPOSED TO SURROUND THE SITE AND THE SITE SHALL BE SEEDED, SODDED, MULCHED, AND LANDSCAPED IN SOME COMBINATION WHEN COMPLETED.
 - 90 CU FT OF SOIL FROM POOL EXCAVATION. ALL SPOIL SOIL TO BE USED ON SITE.
 - NO GRADED SLOPE SHALL EXCEED 2H:1V.



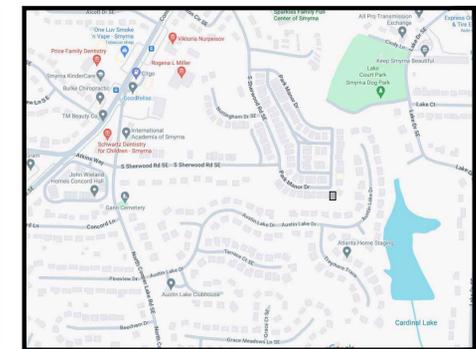
THE SWALE MUST BE MAINTAINED AND SERVICED REGULARLY. LEAVES MUST BE REMOVED AND SWALE CLEARED OF DEBRIS. CHECK FOR EROSION OF LEVEL SPREADER AND REPAIR AS NEEDED WITH COMPACTED SOIL AND SOD.

1 INFILTRATION PRACTICE - RETENTION

I) "I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my direct supervision."

Sean J. Murphy
Sean J. Murphy

GSWCC LEVEL II CERTIFIED DESIGN
PROFESSIONAL
CERTIFICATION # 0000075937



GSWCC CERTIFICATION

LOCATION MAP

SITE DATA

SITE AREA:	4,929sf	0.110ac
DISTURBED SITE AREA:	1,590 sf	0.037ac
IMPERVIOUS AREA:	2,995sf	0.068ac
DRIVEWAY/SIDEWALK	270 sf	
PORCHES/PATIOS	152 sf	
HOUSE	1,770 sf	
POOL DECK/SURFACE	650 sf	
WALL	89 sf	
EXISTING PERCENT IMPERVIOUS:	45%	=45% ALLOWED
PROPOSED PERCENT IMPERVIOUS:	61%	>45% ALLOWED
EXISTING ZONING:	RDA	
NUMBER OF UNITS:	1 ONE	

WATER & SEWER:	CITY OF SMYRNA
POWER PROVIDER:	GA POWER
STATE WATERS:	NONE
FLOOD PLAIN:	NONE
FRONT SETBACK:	10'
REAR SETBACK:	30'
SIDE SETBACKS:	5'
MIN. DIST BETWEEN BLDGS:	10'
MAX HEIGHT:	35'

WATER QUALITY VOLUME

TOTAL DRAINAGE BASIN AREA (POOL/DECK/WALL/PORCHES OF THE BACK YARD)= 1476sf

IMPERVIOUS AREA ADDED = 747sf = 0.017 AC

$WQv = (1.2)(Rv)(A)/12$ where $Rv = 0.05 + 0.009(I)$;
 $A = \text{Area draining to this practice} = 1476\text{sf}$ (BACK PATIO/POOL/WALLS) = 0.034ac
 $12 = \text{Unit conversion factor}$
 $I = \text{New Impervious area/Total area as a \%}$
 $I = 747/1476 = 50.6\%$
 $Rv = 0.05 + 0.009(50.6) = 0.05 + 0.009(50.6) = 0.5054$
 $WQv = [(1.2)(0.5054)(0.034\text{ ac})]/12$
 $WQv = 0.0017\text{ ac-ft} = 75\text{ cu.ft.}$
 105 CF. PROVIDED BY BMP SEE DETAILS

BMP - INFILTRATION BASIN - TROUGH AREA OF THE BMP WILL WRAP THE POOL DECK. BMP 75' LENGTH AND 6" DEPTH BY 3' MIN. WIDE AT TOP AND 1' WIDE AT THE BOTTOM. DETAILS PROVIDED.

NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF NECESSARY EROSION CONTROL BMPs TO PREVENT SILT AND SEDIMENT FROM LEAVING THE SITE DURING CONSTRUCTION.
- THE APPLICANT/DESIGNER/CONTRACTOR ARE RESPONSIBLE FOR ANALYZING EXISTING DRAINAGE PATTERNS AND ASSURING THE PROPOSED IMPROVEMENTS DO NOT CREATE AN ADVERSE IMPACT TO OFFSITE PROPERTIES.
- ALL BMPs ARE TO BE INSPECTED TO CONFIRM DIMENSION, SLOPES, AND FINAL COVER.
- WORK TO BE COMPLETED IN ONE DAY WITH SODDING AT THE END OF THE WORK TO COVER ALL EXPOSED SURFACES. ALL SOD SHALL BE BERMUDA.
- IF ACCESS IS REQUIRED FROM THE CHURCH PARKING LOT, WRITTEN PERMISSION SHOULD BE OBTAINED FROM THE CHURCH AND THE HOA TO CROSS THE COMMUNITY COMMON SPACE AND ACCESS THE LOT.
- ALL NEW CONSTRUCTION ON THE EXISTING LOT SHALL BE DONE USING HAND TOOLS OR SMALL MECHANICAL DEVICES.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRING WITH, LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL MEASURES BEYOND THE APPROVED PLAN SHALL BE IMPLEMENTED IF NECESSARY.
- DISTURBED AREAS IDLE 14 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION. DISTURBED AREAS LEFT IDLE 90 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN, AND REPAIRED AS NECESSARY. ADDITIONAL MEASURES SHALL BE INSTALLED IF FOUND NECESSARY BY ON-SITE INSPECTION.
- SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE "C" TEMPORARY SILT FENCE, OF THE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, 1993 EDITION.

- A CONSTRUCTION EXIT (CO) WILL BE ERECTED AND MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS IF DETERMINED TO BE NECESSARY BY ON-SITE INSPECTION, IT WILL PREVENT THE TRACKING AND FLOW OF MUD FROM ENTERING THE PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5"-3.5" STONE. ALL SEDIMENT DROPPED, WASHED, OR TRACKED ONTO THE ROADWAY WILL BE REMOVED IMMEDIATELY.
- EROSION CONTROL SEEDING SCHEDULE (DS1, DS2, DS3). CONTRACTOR SHALL PROTECT ALL DISTURBED AREAS BY TEMPORARY RE-SEEDING UNTIL PERMANENT GROUND COVER IS ESTABLISHED (MAXIMUM 3 WEEKS).
- SOIL PREPARATION: ADD 2 TONS OF LIME PER ACRE FOR PERMANENT GRASS. HAY MULCH FOR TEMPORARY COVER AT 5000 LBS. PER ACRE.
- TOP DRESSING: APPLY WHEN PLANTS ARE 2-4 INCHES TALL
- FERTILIZER: (AMMONIUM NITRATE 33%) 300 LBS PER ACRE.
- SECOND YEAR FERTILIZER: (5-10-15) OR EQUIVALENT 500 LBS PER ACRE.

- SEEDING RATES:
 - SUMMER 4/1-9/15 BERMUDA (HULLED) 10LBS PER ACRE
 - COOL 9/1-1/1 FESCUE KENTUCKY 31 50LBS PER ACRE
 - WINTER 1/1-4/15 ANNUAL RYE GRASS 50LBS PER ACRE

- PROJECT IS NOT LOCATED WITHIN 2000 FT OF THE CHATTAHOOCHEE RIVER
- NO WATER OF THE STATE EXIST WITHING 200 FEET OF THE PROJECT SITE.



SJMURPHY, LLC.
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Call before you dig.
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE EITHER UNKNOWN OR ARE APPROXIMATELY LOCATED ON THESE PLANS. IN NO CASE HAVE ANY UTILITIES BEEN FIELD VERIFIED BY SJ MURPHY, LLC. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES TO ALL UNDERGROUND UTILITIES CAUSED BY HIS/HER PROJECT WORK.

NOTICE: CONSTRUCTION SITE SAFETY AND THEFT PREVENTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SEE THE CODES.

24 HOUR EMERGENCY CONTACT
JOEL POWELL
404-867-9549

ANTHONY & ASHLEY BLACK
728 PARK MANOR DR.
Smyrna, Georgia 30080

728 PARK MANOR DRIVE
CITY OF SMYRNA
LAND LOT 382, 17TH DIST. 2ND SECTION
LOT 76, SHERWOOD SUBDIVISION
COBB COUNTY, GEORGIA

DATE 12/18/2023

REVISIONS



DRAWN BY: SJM
CHECKED BY: SJM
PROJECT MANAGER: SJM
JOB #: 2023014
SITE PLAN
SHEET NO. S-1