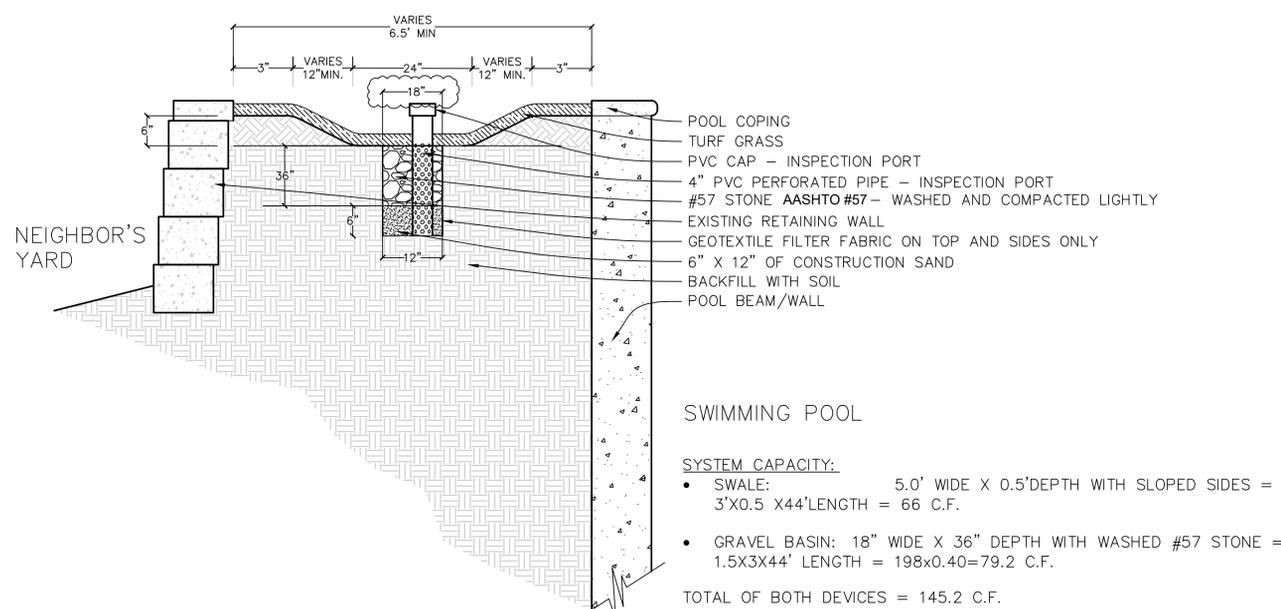


NOTES:

1. THE SUBJECT HOME LOCATED AT 2469 GRADY ST. IS LOCATED IN THE GRADY MANOR SUBDIVISION CONSTRUCTED IN 2007 ON BEHALF OF COMMUNITY BANK OF THE SOUTH. THE EXISTING IMPERVIOUS COVER IS 46% AND CURRENTLY EXCEEDS THE MAXIMUM ALLOWED. IT IS IMPOSSIBLE TO ADD A POOL WITHOUT INCREASING THE IMPERVIOUS COVER OF THE LOT ABOVE THE ALLOWED 45% MAXIMUM COVER.
2. BASED ON THE DATE OF THE FINAL PLAN THESE PLANS AND THE STAMPED APPROVED SET AND HYDROLOGY STUDY SHOULD BE ON FILE WITH THE CITY OF SMYRNA.
3. THE SUBJECT DEVELOPMENT WAS ZONED AND APPROVED FOR AN LDP AND CONSTRUCTED IN OR AROUND 2006 OR 2007.
4. THE DEVELOPMENT WAS CONSTRUCTED WITH APPROVED DETENTION FACILITIES. A LARGE COMMUNITY DETENTION FOND LOCATED AT THE SOUTHEAST CORNER OF THE DEVELOPMENT.
5. FOR THE LOT IN QUESTION, IT IS APPARENT THE LOT WAS GRADED SPECIFICALLY SO THE REAR OF THE LOT WOULD DRAIN TO THE DETENTION FOND.
6. 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 PLAN. ADDITIONAL DRAINAGE FEATURES WERE FOUND. THE REAR OF THE LOT DRAINS TO SEVERAL EXISTING FLEXIBLE DRAIN PIPES OF VARIOUS SIZES WHICH REPORTEDLY ARE TIED TO A SYSTEM WHICH DRAINS TO THE STORM DRAINS IN THE CUL-D-SAC TO THE SOUTH EAST OF THE LOT IN QUESTION.
7. DUE TO THE ABOVE DATA, THE APPLICANT PROPOSES ONLY TO ADDRESS THE IMPERVIOUS SURFACES ADDED AFTER THE INITIAL CONSTRUCTION WHICH INCLUDE THE RETAINING WALL, 2X2 PAVERS, POOL SURFACE AND POOL COPING.
8. TO ADDRESS THE THE ADDED IMPERVIOUS SURFACES, THE APPLICANT PROPOSES TO INSTALL A CUSTOM BMP IN A SHALLOW SWALE WRAPPING AROUND THE POOL DECK. THIS DEVICE INCLUDES A SWALE AND GRAVEL SUMP SYSTEM THAT WILL PROVIDE MORE THAN THE REQUIRED VOLUME.
9. THE TOTAL DISTURBANCE NECESSARY TO CONSTRUCT THE POOL, DECK, DECK AND SWALE IS LESS THAN 2500 SF AND CAN BE CONSTRUCTED BY HAND OR USING SMALL EQUIPMENT, AND THE DETAIL CALLS FOR LANDSCAPING OF THE DISTURBED AREAS.
10. 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.
11. 90 CU FT OF SOIL FROM POOL EXCAVATION. ALL SPOIL SOIL TO BE USED ON SITE.
12. NO GRADED SLOPE SHALL EXCEED 2H:1V
13. RAINWATER OVERFLOW DRAIN MUST BE CONNECTED TO AND DRAIN TO THE GRAVEL PORTION OF THE DRAINAGE SWALE.



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.

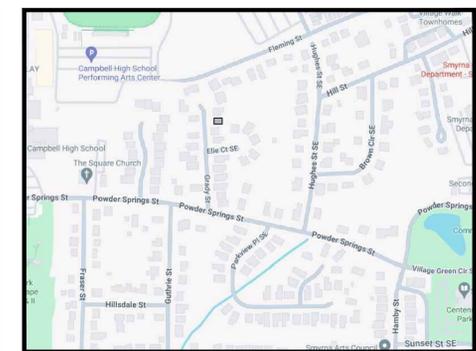
1 INFILTRATION PRACTICE - RETENTION

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:	6,870sf	0.158ac
DISTURBED SITE AREA:	2,475 sf	0.06ac
IMPERVIOUS AREA:	4,311 sf	0.10ac
DRIVEWAY/SIDEWALK	568 sf	
PORCHES/PATIOS	602 sf	
HOUSE	2,023 sf	
POOL DECK/SURFACE	769 sf	
WALL	145 sf	
2X2 PAVERS	204 sf	
EXISTING PERCENT IMPERVIOUS:	46%	>45% ALLOWED
PROPOSED PERCENT IMPERVIOUS:	63%	>45% ALLOWED
EXISTING ZONING:	RAD COND.	
NUMBER OF UNITS:	1 ONE	

WATER & SEWER:	CITY OF SMYRNA
POWER PROVIDER:	GA POWER
STATE WATERS:	NONE
FLOOD FLAIN:	NONE
FRONT SETBACK:	10'
REAR SETBACK:	20'
SIDE SETBACKS:	5'
MIN. DIST BETWEEN BLDGS:	15'
MAX HEIGHT:	35'

WATER QUALITY VOLUME

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

IMPERVIOUS AREA ADDED = 1236SF = 0.028 AC

$WQv = (1.2)(Rv)(A)/12$ where $Rv = 0.05 + 0.009(I)$;
 $A = \text{Area draining to this practice} = 2605\text{sf (BACK PATIO/POOL/WALLS/YARD)} = 0.060\text{ac}$
 $12 = \text{Unit conversion factor}$
 $I = \text{New Impervious area/Total area as a \%} = 1236/2605 = 47\%$
 $Rv = 0.05 + 0.009(47) = 0.05 + 0.009(47) = 0.473$
 $WQv = [(1.2)(0.473)(0.06\text{ ac})]/12$
 $WQv = 0.002838\text{ ac-ft} = 123.6\text{ cu.ft.}$
 145.2 CF. PROVIDED BY BMP SEE DETAILS

BMP - INFILTRATION BASIN - TROUGH AREA OF THE BMP WILL ADJOIN THE POOL COPING. BMP 44' LENGTH AND 6" DEPTH BY 4' MIN. WIDE AT TOP AND 2' 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.
- 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 MODIFIED (BY SIZE) 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 9/1-11/1 FESCUE KENTUCKY 31 50LBS PER ACRE
 - WINTER 11/1-4/15 ANNUAL RYE GRASS 50LBS PER ACRE
- PROJECT IS NOT LOCATED WITHIN 2000 FT OF THE CHATTAHOOGHEE RIVER
- NO WATER OF THE STATE EXIST WITHIN 200 FEET OF THE PROJECT SITE.



SJMURPHY, LLC.
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SMYRNA, GEORGIA, 30080
770.630.9205 WWW.SEANJMURPHY.COM



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 SEAN J. MURPHY, LLC. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF ALL EXISTING UTILITIES TO BE LOCATED 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 TRAFFIC PREVENTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR FOR THIS PROJECT.
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24 HOUR EMERGENCY CONTACT
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813-431-4788

JENNIFER & JUSTIN SIMMS
2649 Grady St.
Smyrna, Georgia 30080

2469 GRADY STREET
CITY OF SMYRNA
LAND LOT 489 & 488, 17TH DIST. 2ND SECTION
LOT 14 GRADY SUBDIVISION
COBB COUNTY, GEORGIA

DATE 5/20/2024
6/14/2024

REVISIONS



DRAWN BY: SJM
CHECKED BY: SJM
PROJECT MANAGER: SJM
JOB #: 2024-01
SITE PLAN
SHEET NO. S-1

