

NOTES:

1. THE SUBJECT HOME LOCATED AT 2611 GILBERT ST. IS LOCATED IN THE GILBERT HEIGHTS SUBDIVISION CONSTRUCTED IN 1945 (MUCH OF THE ORIGINAL PLAT IS ILLEGIBLE). THE EXISTING IMPERVIOUS COVER IS 38% AND CURRENTLY EXCEEDS THE MAXIMUM ALLOWED. THEREFORE IT IS IMPOSSIBLE TO ADD A POOL WITHOUT INCREASING THE IMPERVIOUS COVER OF THE LOT ABOVE THE ALLOWED 35% MAXIMUM COVER.
2. BASED ON THE DATE OF THE FINAL PLAT THESE PLANS THERE WILL NOT BE ANY APPROVED HYDROLOGY STUDY NOR ANY STORM WATER PLANS ON FILE WITH THE CITY OF SMYRNA.
3. THE SUBJECT DEVELOPMENT WAS AND CONSTRUCTED IN OR AROUND 1945.
4. THE DEVELOPMENT WAS CONSTRUCTED WITHOUT DETENTION FACILITIES. THERE IS NO COMMUNITY DETENTION POND KNOWN TO EXIST TO ADDRESS STORM WATER FOR THIS HOME.
5. FOR THE LOT IN QUESTION, IT IS APPARENT THE LOT WAS GRADED SPECIFICALLY SO THE REAR OF THE LOT WOULD DRAIN TO THE SOUTHERN BORDER.
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 PLAT. ADDITIONAL DRAINAGE FEATURES WERE NOT FOUND. THE REAR OF THE LOT DRAINS ON TO THE LOTS TO THE SOUTH OF THE SUBJECT LOT.
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, ADDITIONAL POOL DECK, 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.

"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

GSWCC LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION # 0000075937

GSWCC CERTIFICATION

LOCATION MAP

SITE DATA

| | | |
|-------------------------|---------------------------|--------|
| SITE AREA: | 13,218 sf | 0.30ac |
| DISTURBED SITE AREA: | 2,500 sf | 0.06ac |
| TOTAL IMPERVIOUS AREAS: | 5784 sf | 0.13ac |
| PERCENT IMPERVIOUS: | 43.75% >35% ALLOWED | |
| EXISTING ZONING: | RESIDENTIAL R-15 (SMYRNA) | |

YARD AREAS:

| | | |
|--------------------|-----------|------|
| FRONT YARD: | 35 | FEET |
| SIDE YARD: | 10 | FEET |
| REAR YARD: | 30 | FEET |
| MIN. LOT SIZE: | 15,000 SF | |
| MAX. LOT COVERAGE: | 35% | |

EXISTING LOT COVERAGE:

| | | |
|-------------------|-------|----|
| POOL DECK/COPING: | 197 | SF |
| POOL SURFACE: | 540 | SF |
| POOL EQUIP PAD: | 32 | SF |
| DRIVEWAYS: | 1364 | SF |
| GRAVEL/STONE: | 162 | SF |
| DWELLING: | 2337 | SF |
| COVERED PORCH: | 238 | SF |
| COV. PORCH NEW: | 259 | SF |
| SIDEWALK/PORCH: | 245 | SF |
| PATIO/WALL: | 410 | SF |
| TOTAL COVER: | 5784 | SF |
| % COVER: | 43.75 | % |

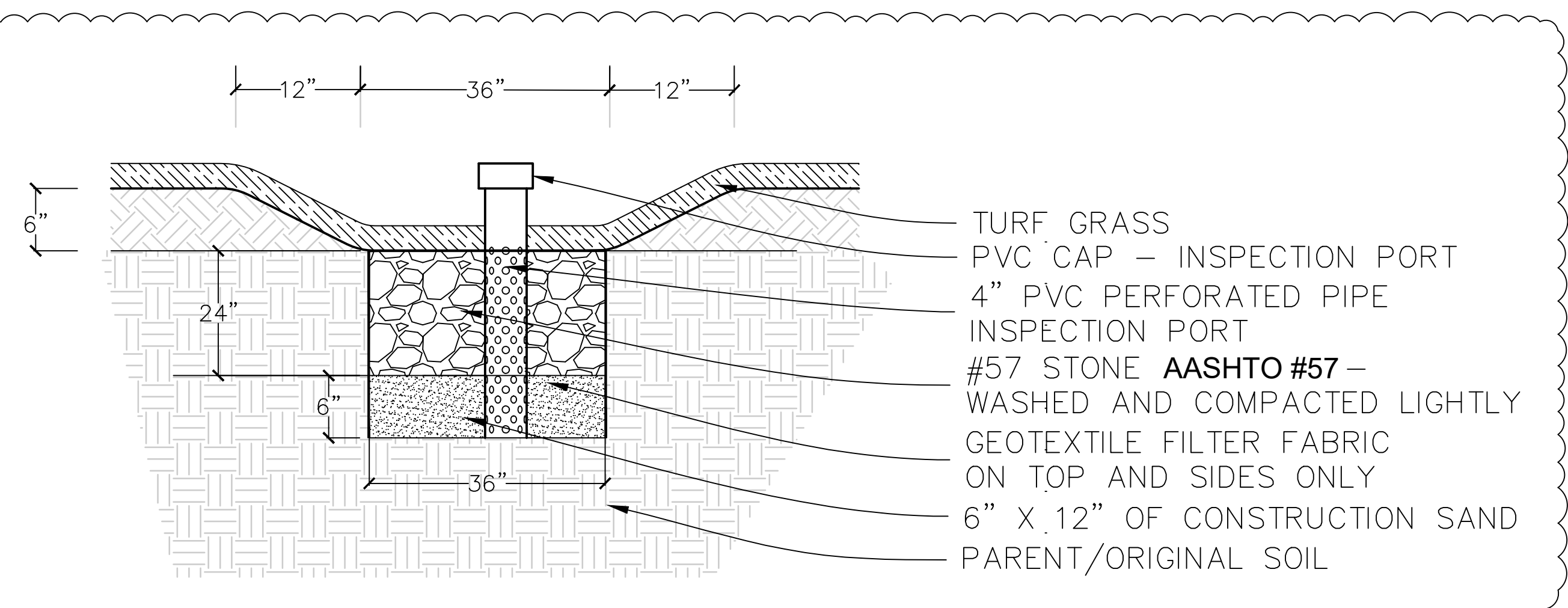
WATER QUALITY VOLUME

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

IMPERVIOUS AREA ADDED = 1028SF = 0.0236 AC

$WQv = (1.2)(Rv)(A)/12$ where $Rv = 0.05 + 0.009(1)$;
 $A = \text{Area draining to this practice} = 4000\text{sf}$ (BACK PATIO/POOL/PARTIAL ROOF/YARD)=0.09ac
 $12 = \text{Unit conversion factor}$
 $1 = \text{New Impervious area/Total area as a \%}$
 $1 = 1028/4000 = 25.7\%$
 $Rv = 0.05 + 0.009(1) = 0.05 + 0.009(25.7) = 0.2813$
 $WQv = [(1.2)(0.2813)(0.09\text{ ac})]/12$
 $WQv = 0.0025317\text{ ac-ft} = 110.3\text{ cu.ft.}$
117 CF PROVIDED BY BMP SEE DETAILS

BMP - INFILTRATION BASIN - TROUGH AREA OF THE BMP WILL ADJOIN THE POOL COPING. BMP 55' LENGTH AND 6" DEPTH BY 5' MIN. WIDE AT TOP AND 3' WIDE AT THE BOTTOM. DETAILS PROVIDED.



SYSTEM CAPACITY:

- SWALE: 5.0' WIDE X 0.5'DEPTH WITH SLOPED SIDES = 3'X0.5 X30'LENGTH = 45 C.F.
- GRAVEL BASIN: 36" WIDE X 18" DEPTH WITH WASHED #57 STONE = 3X2X30' LENGTH = 180x0.40=72 C.F.

TOTAL OF BOTH DEVICES = 117 C.F.

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.

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 30 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 4/1-4/15 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 CHATTAHOOCHEE RIVER
- NO WATER OF THE STATE EXIST WITHIN 200 FEET OF THE PROJECT SITE.

GEORGIA
UNIFORM CODING SYSTEM
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

| | | |
|------------|-------------------|--|
| Co | CONSTRUCTION EXIT | |
| Sd1 | SEDIMENT BARRIER | |

VEGETATIVE PRACTICES

| | | |
|------------|---|--|
| DS1 | DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) | |
| DS2 | DISTURBED AREA STABILIZATION (WITH TEMP SEEDING) | |
| DS3 | DISTURBED AREA STABILIZATION (WITH PERM SEEDING) | |
| Tp | TOPSOILING | |
| Tr | TREE PROTECTION | |

SJM
SJMURPHY, LLC.
3282 LEE STREET S.E.
SMYRNA, GEORGIA 30080
770.630.9205 WWW.SEANJMURPHY.COM

Know what's below.
Call before you dig.
THE LOCATIONS 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. THE 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 OR THE OWNER.
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24 HOUR
EMERGENCY CONTACT
JOEL POWELL
404-867-9549

FAIRBANKS
CONSTRUCTION
SERVICES, LLC
2900 ALEXANDER ST SE
SMYRNA, GA 30080

DOWNEY POOL
2611 GILBERT ST SE
SMYRNA, GA 30080
PARCEL 17054100400 LAND LOTS 520 & 561
17TH DIST. 2ND SECTION
COBB COUNTY, GEORGIA

DATE 3/10/2025
3/30/2025 - REVISE POOL/BMP
RESERVED
REVISIONS
GSWCC LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION # 0000075937

0 10' 20'
SCALE: 1"=10'
DRAWN BY: SJM
CHECKED BY: SJM
PROJECT MANAGER: SJM
JOB #: 2025-02
POOL PLAN
SHEET NO. P100