



GRID NORTH GA.
WEST ZONE



TRACT AREA = 0.358 ACRES (15,575.03 S.F.)

BUFFER MITIGATION:

RUNOFF REDUCTION REQUIRED: FOR 25% COVERAGE = 357 CUBIC FEET
RUNOFF REDUCTION PROVIDED: @ 951.00 = 440 CUBIC FEET

DETENTION PROVIDED: TOTAL OF 1,409 CUBIC FEET @ 951.79
PRE-DEVELOPMENT 100 YR DISCHARGE = 2.173 CFS
POST DEVELOPMENT 100 YR DISCHARGE = 1.564 CFS
10% REDUCTION REQUIRED
28% REDUCTION PROVIDED

SITE ADDRESS:
CHURCH STREET
SMYRNA, GA 30082
TAX ID# 17041500550
DEED BOOK 1795 PAGE 279
PLAT BOOK 16 PAGE 3

THIS PLAN WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS OR ENTITY NAMED HEREON. THIS PLAN DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS OR ENTITY WITHOUT THE EXPRESS RE-CERTIFICATION OF THE SURVEYOR NAMING SUCH PERSON, PERSONS OR ENTITY. NO CERTIFICATION OR LIABILITY IS EXTENDED TO ANY PARTY NOT NAMED HEREON.

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 84,556 FEET AND AN ANGULAR ERROR OF 05" PER ANGLE AND WAS ADJUSTED BY COMPASS METHOD.

THE DATA SHOWN ON THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND WAS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 213,271 FEET.

SURVEY FIELD WORK PERFORMED ON 8-6-19.

INSTRUMENT USED FOCUS 35 ROBOT & SOKKIA GCX3 GPS SYSTEM

ALL DISTANCES ARE HORIZONTAL & ALL ELEVATIONS ARE NAVD88.

THIS SURVEY ONLY INCLUDES OBJECTS THAT ARE VISIBLE ON THE SURFACE AND IS NOT RESPONSIBLE FOR UNDERGROUND UTILITIES OR OTHER OBJECTS THAT ARE NOT APPARENT BY VISUAL OBSERVATION. I.E. UNDERGROUND GAS TANKS, GAS LINES, WATERLINES, SEWER LINES, ETC. SUBSURFACE MATTERS NOT CERTIFIED UNLESS EXCAVATED.

THIS SURVEY WAS MADE WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT. EASEMENT AND OTHER ENCUMBRANCES MAY EXIST WHICH BENEFIT AND/OR BURDEN THIS PROPERTY.

AS PER THE F.I.R.M. FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 13067C0119 H DATED 3-4-13. THIS PROPERTY IS IN AN AREA HAVING SPECIAL FLOOD HAZARDS ZONE "A".

THIS OPINION IS NOT A CERTIFICATION OF FLOOD HAZARD STATUS, BUT AN INTERPRETATION OF THE REFERENCED MAP AND PUBLIC DATA. IF THE EXACT LOCATION OR ELEVATION OF FLOOD HAZARD BOUNDARIES ARE NECESSARY, A MORE DETAILED STUDY MAY BE NEEDED. PAUL LEE CONSULTING ENGINEERING ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE ACCURACY OF THE REFERENCED MAP OR PUBLIC DATA.

THIS SURVEY AND ITS FINDINGS DO NOT CONSTITUTE A TITLE OR LEGAL OPINION BY PAUL LEE CONSULTING ENGINEERING ASSOCIATES, INC. ALL INFORMATION USED IN THE PREPARATION OF THIS SURVEY WAS OBTAINED FROM PUBLIC RECORDS, FILE DATA, THE CLIENT, OR OTHER SOURCES AS REFERENCED. OTHER DOCUMENTS OR CONDITIONS MAY EXIST THAT WOULD AFFECT THIS PROPERTY.

Activity	Schedule
Prune and weed to maintain appearance.	
Dissipate flow when erosion is evident.	
Remove trash and debris.	
Remove sediment and debris from inlets and outlets.	
Remove and replace dead or damaged plants.	As needed or 4 times during growing seasons
Mow around the bioretention area as necessary, ensuring grass clippings are not placed in the practice area.	
Observe infiltration rates after rain events. Bioretention areas should have no standing water within 24 hours of a storm event.	
Inspect for evidence of animal activity.	
Inspect for erosion, rills, or gullies and repair.	
Inspect filter strip/grass channel for erosion or gully, if applicable. Re-seed or sod as necessary.	Semi-annually in spring and fall
Inspect trees and shrubs to evaluate their health, and remove and replace any dead or severely diseased vegetation.	
Obtain a mulch depth of at least 3 to 4 inches; it should be inspected and maintained. Additional mulch should be added as necessary.	
Trim planting material.	As needed of during winter months
Inspect for snow accumulation.	
Test the planting soils for pH levels. Consult with a qualified licensed professional to determine and maintain proper pH levels.	Annually
Replace/repair inlets, outlets, scour protection or other structures as needed.	
Implement plant maintenance plan to trim and divide perennials to prevent overcrowding and stress.	2 to 3 years
Check soil infiltration rates to ensure the bioretention area soil is draining the water at a proper pace. Re-aerate or replace soil and mulch layers as needed to achieve infiltration rate of at least 0.5 inches per hour.	

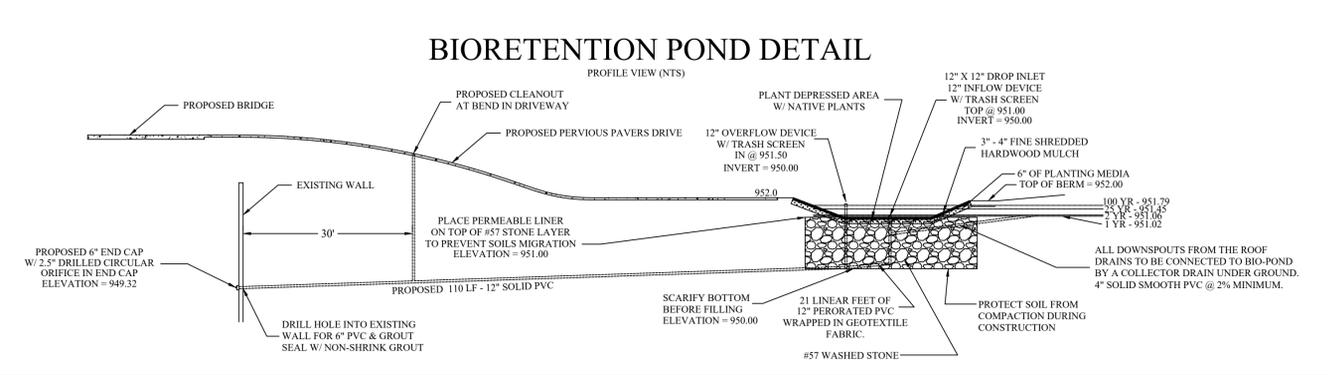
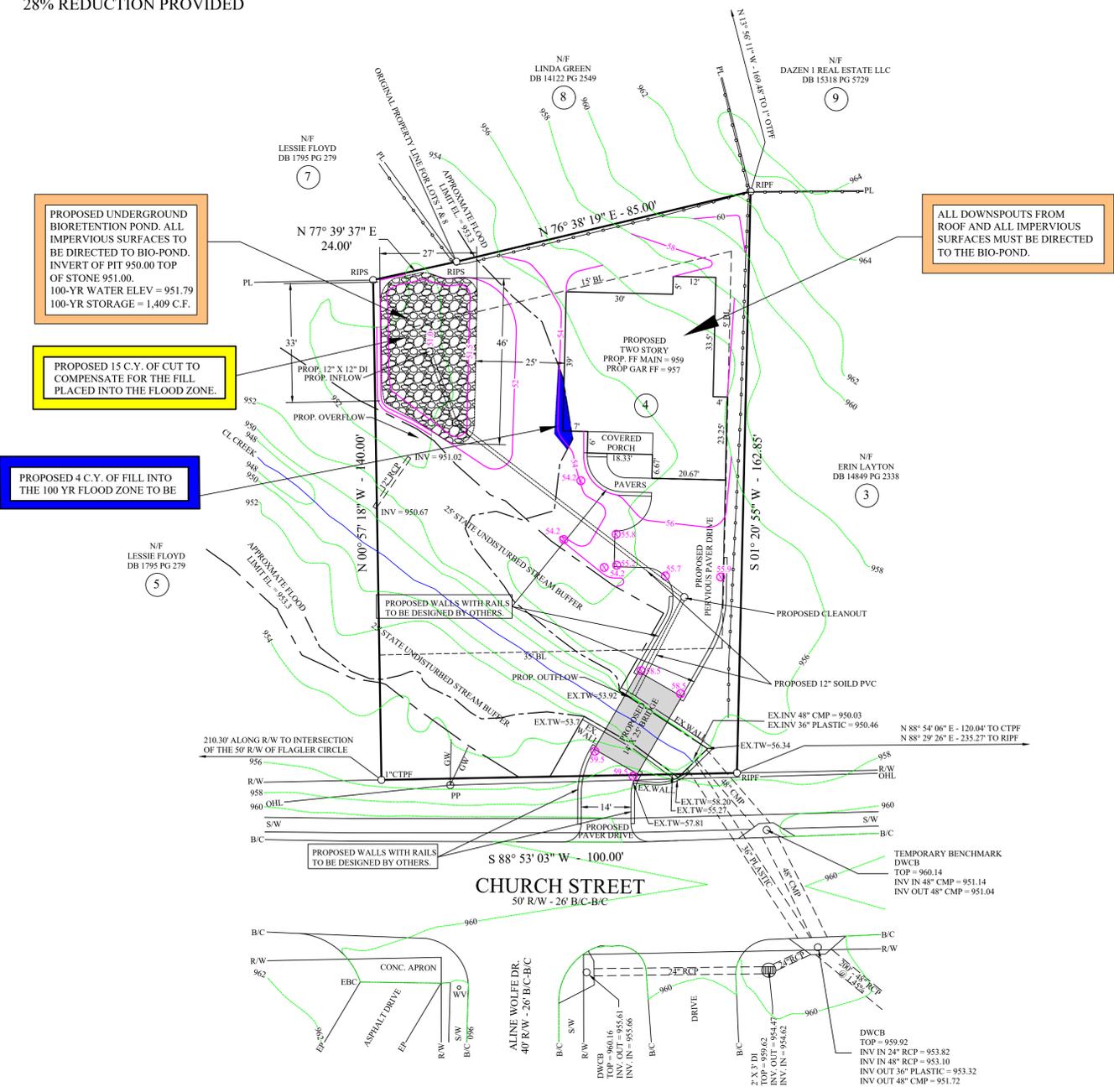
GRADING LEGEND

51.90' - PROPOSED ELEVATION

51.00' - EXISTING ELEVATION

LEGEND

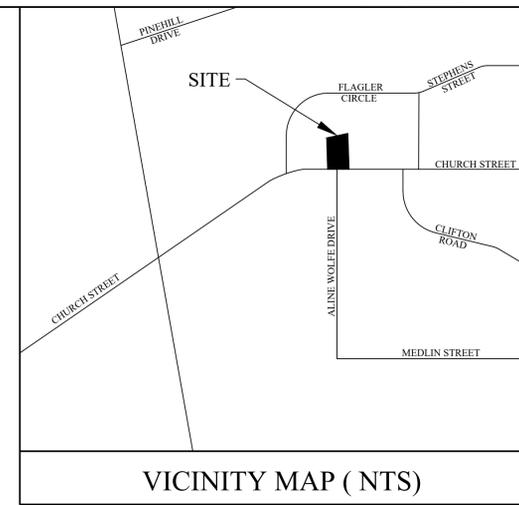
ACE - ARMY CORPS OF ENGINEERS	MON - MONUMENT
APPROX. - APPROXIMATE	MP - METAL PORT
B/C - BACK OF CURB	N/F - NOW OR FORMERLY
BL - BUILDING SETBACK LINE	NS - NAIL SET
CLF - CHAIN LINK FENCE	OTPF - OPEN TOP PIPE FOUND
CTPF - CRIMP TOP PIN FOUND	OHL - OVERHEAD LINE
CO - CLEAN OUT	PG - PAGE
CONC. - CONCRETE	PC - POINT CALCULATED
CY - CUBIC YARD	PL - PROPERTY LINE
DB - DEED BOOK	PP - POWER POLE
DI - DROP INLET	PVC - POLYVINYL CHLORIDE
DE - DRAINAGE EASEMENT	RCP - REINFORCED CONCRETE PIPE
DWCB - DOUBLE WING CATCH BASIN	RIFP - REBAR IRON PIN FOUND
EL - ELEVATION	RIPS - REBAR IRON PIN SET
EX - EXISTING	R/W - RIGHT-OF-WAY
FF - FINISHED FLOOR	SSL - SANITARY SEWER LINE
GM - GAS METER	SSE - SANITARY SEWER EASEMENT
GW - GUY WIRE	SF - SQUARE FEET
INV - INVERT	SWCB - SINGLE WING CATCH BASIN
LL - LAND LOT LINE	S/W - SIDEWALK
LPL - LIGHT POLE	TW - TOP OF WALL
MH - MANHOLE	WV - WATER VALVE
	YR - YEAR
	- FENCE



GENERAL NOTES:

- PROPERTY ZONED: R-15
- PROPOSED ZONING: TO REMAIN R-15
- SETBACKS REQUIRED:
 - FRONT - 35'
 - MAJOR SIDE - 25'
 - MINOR SIDE - 10'
 - REAR - 30'
- PROPOSED USE: SINGLE FAMILY RESIDENCE
- PARKING REQUIRED: 2 SPACES PER RESIDENCE
- VARIANCES REQUESTED:
 - REDUCE SIDE SETBACK ON THE EAST PROPERTY LINE TO 5'
 - REDUCE REAR SETBACK TO 15'
 - ALLOW THE BUFFER MITIGATION POND TO REPLACE THE REQUIRED 50' & 75' BUFFERS REQUIRED BY THE CITY ALONG NORTH SIDE OF THE CREEK.
- PROPERTY SERVED BY CITY SEWER & WATER.
- EXISTING IMPERVIOUS COVERAGE: 0.46% (72 S.F. COVERAGE)
- PROPOSED IMPERVIOUS COVERAGE: 24.82% (3,865 S.F. COVERAGE)
- PROPOSED IMPERVIOUS AREA: NET 3,937 S.F. MAX.
- BIORETENTION POND PROPOSED FOR INTRUSION INTO THE 75' IMPERVIOUS SETBACK.
- AS PER FIRM FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO: 13067C0119 H DATED 3-4-13, THIS PROPERTY IS IN AN AREA HAVING SPECIAL FLOOD HAZARDS, ZONE "A".
- THIS PROPERTY DOES NOT HAVE A CEMETERY, HISTORIC OR ARCHITECTURAL FEATURES LOCATED ON THE PROPERTY.
- ALL SURVEY DATA PROVIDED BY A SURVEY PREPARED BY PAUL LEE CONSULTING ENGINEERING ASSOCIATES, INC. DATED 8-16-19, LAST REVISED 3-11-21.

THE 100 YEAR FLOOD LIMIT SHOWN IS PROVIDED BY A HYDROLOGY AND HYDRAULIC BACKUP DATA REPORT FOR 853 CHURCH STREET PREPARED BY DEWBERRY & ASSOCIATES DATED JULY 9, 2019 AND SIGNED BY PROFESSIONAL ENGINEER # 042990 MICHAEL T. KIDANE. THE FLOOD LINE SHOWN IS APPROXIMATE AS IT WAS INTERPOLATED FROM THE TOPOGRAPHIC CONTOURS SHOWN.



PAUL LEE CONSULTING ENGINEERING ASSOCIATES, INC.
PLANNING - ENGINEERING - LAND SURVEYING
44 DARBY'S CROSSING DRIVE, SUITE 200, HIRAM, GEORGIA 30141
Ph: (770) 435-2576
EMAIL: mark.lee@pleea.com



THIS DOCUMENT IS NOT VALID UNLESS IT BEARS THE ORIGINAL SIGNATURE (IN CONTRASTING INK) OF THE REGISTRANT ACROSS THE REGISTRANT'S SEAL.

VARIANCE, GRADING & WATER MITIGATION PLAN FOR
NATHAN CORBITT
LOT 4 CHENEY WOODS SUBDIVISION UNIT 7 BLOCK "A"

LOCATED IN:
LAND LOT: 415
DISTRICT: 17TH
SECTION: 2ND
COUNTY: COBB
STATE: GEORGIA
CITY: SMYRNA

DESIGNED BY: MGL
DRAWN BY: MGL
CHECKED BY: MGL
SCALE: 1" = 20'
DATE: 6-22-21
JOB NO. 2020039BS-V2
FIRM ID NO. LSF000115
SHEET: