Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

# OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6343B Permit #: 30000412 Tax Parcel #: 199 353 02

Property Owner: Tom Palmer

Job Location Address: 10437 Green Heron Ct

City: Charlotte State: NC Zip Code: 28278

**Operation Permit Issuance Date:** 10/28/14 Contractor Name: Kevin Hallman

Permitted Design Flow: 600 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: NA gallons

Effluent Pump Model: NA

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 500 feet

# of Lines: 5 @ 100 feet

Depth of Media: 12 inches (Type) Chambers

Depth of Cover: 18 inches

Distribution Device: D Box

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☒ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 10 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 10 feet

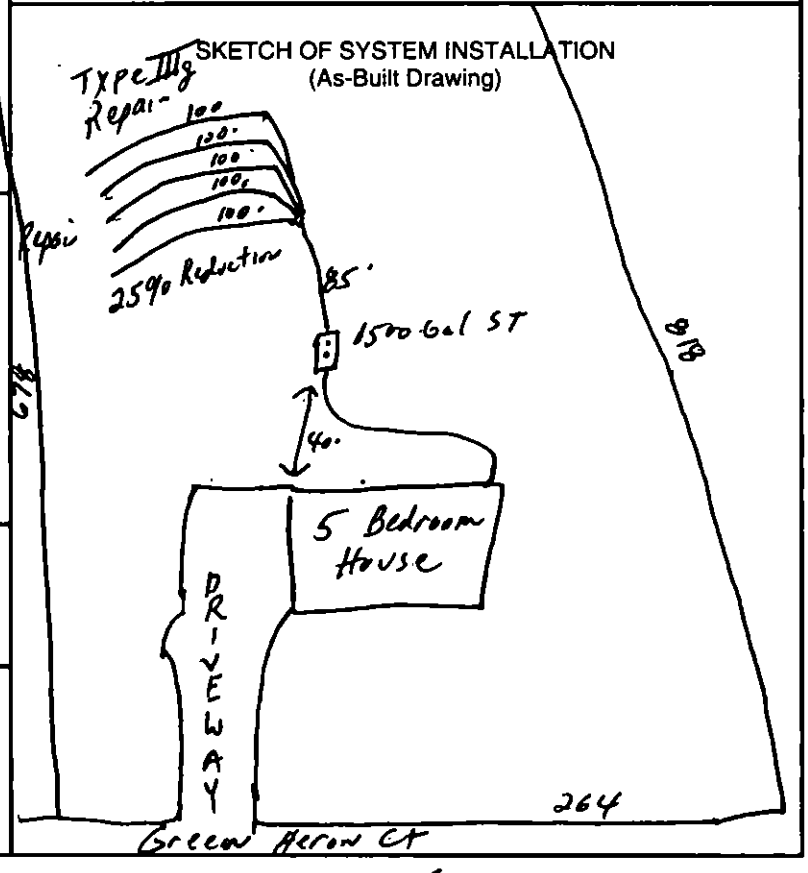
Inspection Dates

Tank(s) Inspected: 10/28/14

Excavation Inspected: 10/28/14

Pump & Controls Inspected: NA

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)




The undersigned has inspected the Septic Tank System described above, and certifies it has been ☑ installed ☐ altered ☐ repaired ☑ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

**Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.**

Comments: System Classification & Type: IIIg IQ4, G, NA, NA
Gravity chamber system

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS

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**OPERATION PERMIT for an**
**ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM**

File #: 6343B Permit #: 30000412 Tax Parcel #: 199 353 02

Property Owner: Tom Palmer

Job Location Address: 10437 Green Heron Ct

City: Charlotte State: NC Zip Code: 28278

**OPERATION PERMIT CONDITIONS:**

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: Type IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☑

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☑ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: Gravity chamber system

DENR Authorized Agent: Philo Walker Date: 10/28/14

Signature: Philo Walker REHS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

**INSTALLATION APPROVAL for an**
**ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM**

File #: 1315B Permit #: 30000412 Tax Parcel #: 199 35302

Property Owner: [illegible]

Job Location Address: 10437 [illegible] St.

City: [illegible] State: NC Zip Code: 28278

**Installation Approval Issuance Date:** 10-22-14

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 11-22-14, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.
***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 600 GPD
Site LTAR: .3 GPD/ft² (For new installations only.)
Liquid Capacity of Septic Tank: 1500 gallons
Liquid Capacity of Dosing Tank: N/A gallons

Drainfield Design ☐ N/A
Trench Depth: 30 inches
Trench Width: 3 feet
Line Spacing: 9 feet (O.C.)
Total line length: 500 feet
# of Lines: 5 @ 100 feet
Depth of Media: 12" inches (Type) [illegible]
Distribution Device: D-Box

Bed Design *(For Repair Installations ONLY.)* ☑ N/A
Bed Depth: _____ inches
Bed Width: _____ feet
Total line length: _____ feet
# of Lines: _____ @ _____ feet
Depth of Media: _____ inches (Type) _____
Distribution Device: _____

Water Supply Source
☑ Municipal ☐ Private Well ☑ Community Well
☐ Other _____

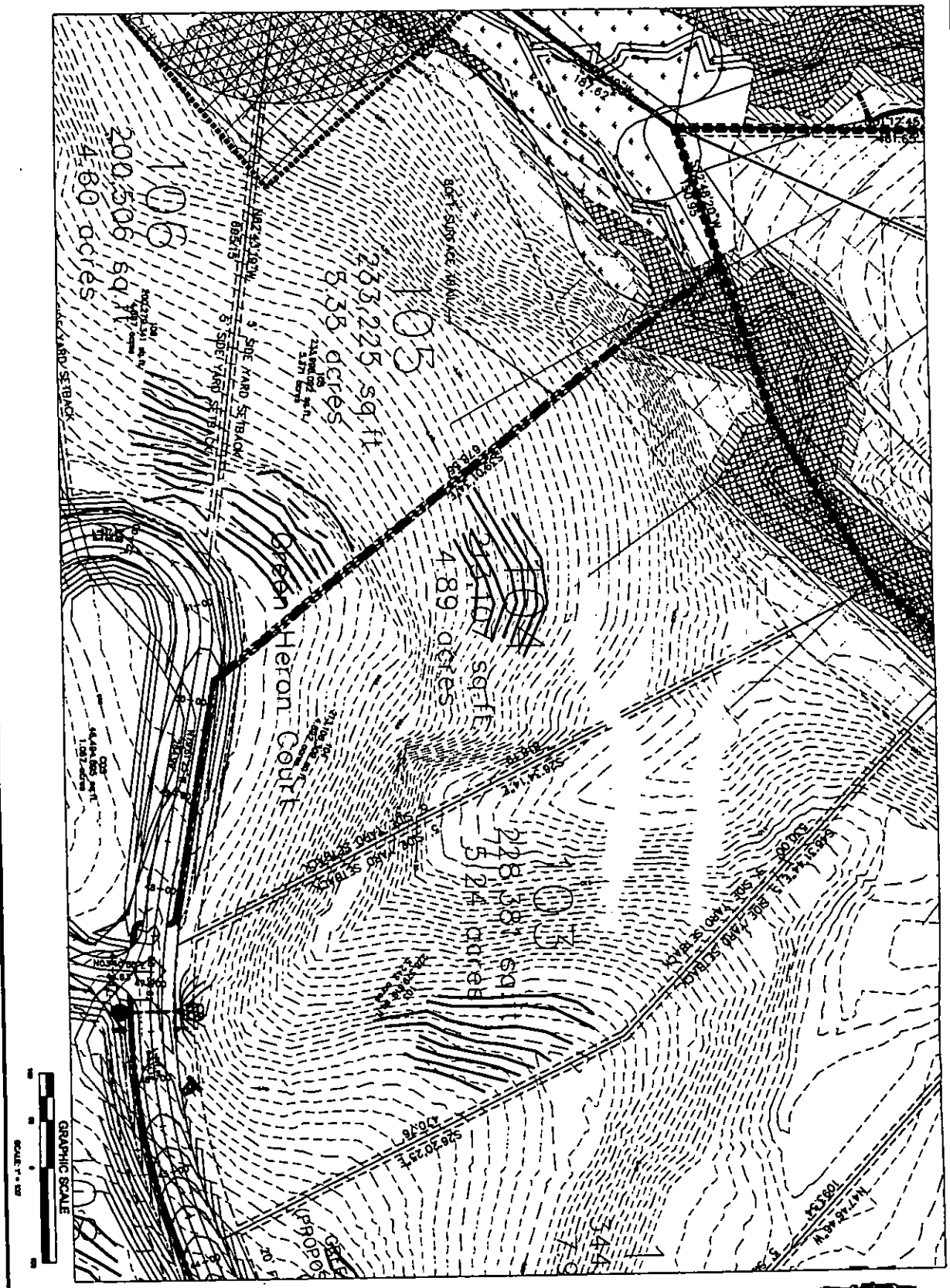
Minimum System Setbacks
Distance from Building Foundation: >5' feet
Distance from Property Line: >10' feet
Distance from Water Supply Source: >100' feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: [illegible]

DENR Authorized Agent: [illegible] Signature: [illegible]




S&ME
ENGINEERING · TESTING
ENVIRONMENTAL SERVICES

**LOT 104**
THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

| | | |
|---|---|---|
| SCALE: AS SHOWN | DRAWN BY: JBP | CHECKED BY: PGP |
| JOB NO. 1598-05-067 | DATE: JUNE, 2006 | FIGURE NO. 1 |

S&ME

Drive Way will not effect lot system 7/11/06

Date: June 23, 2006

To: Mr. Zach Petersen, R.S.
Mecklenburg County Env. Health Dept.

From: Paul G. Penninger, LSS
Kathleen Saunders, LSSIT

RE: Request for an Improvement Permit for Lot 104 at The Sanctuary:
MCHD File #6343B

The Sanctuary at Lake Wylie is requesting an Improvement Permit for the above referenced lot. Mr. Bill Marlin has evaluated the soils (see attached MCHD soil sheets) and S&ME, Inc. has flagged the system and repair on the lot. The septic lines have been located by the surveyor and are shown on the attached maps provided by LandDesign Engineering. The attached sketch and specifications are not an Improvement Permit and are intended only to assist the MCHD in permitting the referenced lot at The Sanctuary.

We understand that a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The buyer will apply for the ATC. If the buyer's house pad does not fit in the "building envelope" shown on the Improvement Permit, we understand that the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on the lot prior to obtaining the ATC from the MCHD.**

Tri-County Wastewater (TCWW) is under contract to supply maintenance services for each septic system installed at The Sanctuary. TCWW will have a list of preferred septic contractors for the subdivision and will also have requirements for septic system installation that are greater than the MCHD and State requirements. It will be the responsibility of TCWW to enforce any requirements above State requirements or the MCHD conditions on the Improvement Permit.

Please review the attached system sketch and design specifications for the Improvement Permit. Any additions or revisions you feel are necessary can be made on the Improvement Permit. Please call in you have and questions or comments.

S&ME, Inc.
105-D Denver Business Park Dr.
Mooresville, North Carolina 28115-7926
(704) 662-8625
(704) 662-8735 fax
www.smeinc.com

## Design Specifications for Lot 104 at The Sanctuary
## MCHD File # 6343B

| | |
|---|---|
| Daily Design Flow: | 600 gpd |
| Number Bedrooms: | 5 bedroom |
| Basement or Crawl Space: | Basement |
| Septic Tank Size: | 1500 gal |
| **Primary System Loading Rate:** | **0.3 gpd/ft$^2$** |
| **Primary System:** | **25% reduction** |
| Number and length of laterals: | 4 @ 125 ft. |
| Total ft. of primary system: | 500 ft. |
| Distribution: | gravity, D-box |
| **Repair System Loading Rate:** | **0.3 gpd/ft$^2$** |
| **Repair System:** | **LP PPBPS** |
| Total ft. of repair | 360 ft. |

**Notes:**

Division of Environmental Health
On-site Wastewater Section

Property ID: PO 189-363-02
Lot #: 104
File #: 63438
Code: 1

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary of Lake Wylie
Address: 11104 Limehurst Place, Charlotte, N. C. 28278
Proposed Facility: Residence Design Flow (.1949): 600gpd
Location of Site: Green Heron Ct.

Applicant: Paul Pennington
Date Evaluated: 5/17/06
Property Size: approx. .6a /+/-
Property Recorded:

Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

| Pit or Profile # | Landscape Position & Slope | Depth (in) | SOIL MORPHOLOGY 1941 Structure & Texture | SOIL MORPHOLOGY 1941 Consistence, Mottling & Other Morphology | SOIL WETNESS PROBLEMS Depth to Soil Wetness (in) | Soil Wetness Class | 1941 Restr. Horiz. | Provisional Class & LTAR |
|---|---|---|---|---|---|---|---|---|
| 1 | LS, 18 | 0-4 | GR/CL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48+ | N/A | NONE | PS, IV .3GPD/FT² |
| | | 4-48 | SBK/C | FI/SEXP/S/P | | | | |
| 2 | NS, 20 | 0-5 | GR/CL | FR/SEXP/SS/SP | >50" TO SOIL WETNESS | 50+ | " | " | " |
| | | 5-47 | SBK/C | FI/SEXP/S/P | | | | |
| | | 47-50 | SBK/SCL | FR/SEXP/SS/SP | | | | |
| 3 | LS, 20 | 0-8 | GR/CL | " | >49" TO SOIL WETNESS | 49+ | " | " | " |
| | | 8-49 | SBK/C | FI/SEXP/S/P | | | | |
| 4 | " | 0-6 | GR/CL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48+ | " | " | " |
| | | 6-48 | SBK/C | FI/SEXP/S/P | | | | |
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| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | | |
| Site LTAR | .3GPD/FT² | .3GPD/FT² |

Other Factors (.1946):
Site Classification (.1946): PROVISIONALLY SUITABLE
Evaluated By: W. R. Martin, LSS, 5/18, 2006. W. R. Martin
Others Present:

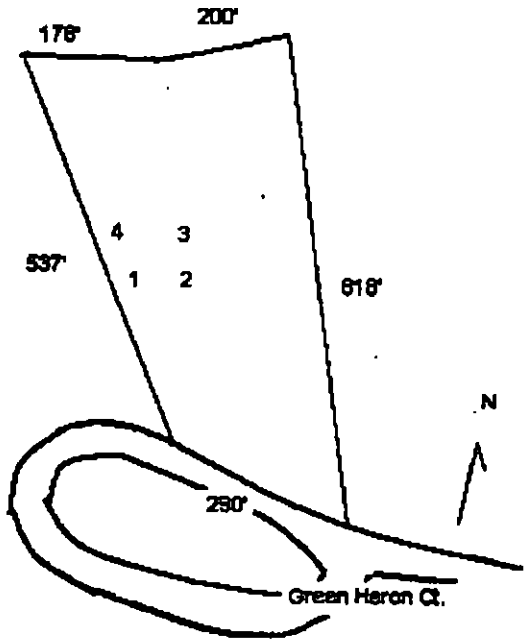
Sheet: 2 of 2
FILE #: 6343B

COMMENTS:
100% repair, do not install system when soils are wet

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Food Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | SI-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SICL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | | | |
| FP-Flood Plain | | CL-Clay Loam | | |
| | | SCL-Sandy Clay Loam | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SIC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | SEXP-Slightly Expansive |
| FR-Friable | SS-Slightly Sticky | EXP-Expansive |
| FI-Firm | S-Sticky | |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**



Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 199-353-02
Lot #: 104
File #: 6343B
Code: 1

# SOIL/SITE EVALUATION
# for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary of Lake Wylie
Applicant: Paul Penninger
Address: 11104 Limehurst Place, Charlotte, N. C. 28278
Date Evaluated: 5/17/06
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: approx. .6a inv.
Location of Site: Green Heron Ct.
Property Recorded:
Water Supply: [ x ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ x ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ x ] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS, 18 | 0-4 | GR/CL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48+ | N/A | NONE | PS, IV |
| | | 4-48 | SBK/C | FI/SEXP/S/P | | | | | .3GPD/FT$^2$ |
| 2 | NS, 20 | 0-5 | GR/CL | FR/SEXP/SS/SP | >50" TO SOIL WETNESS | 50+ | " | " | " |
| | | 5-47 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 47-50 | SBK/SCL | FR/SEXP/SS/SP | | | | | |
| 3 | LS, 20 | 0-8 | GR/CL | " | >49" TO SOIL WETNESS | 49+ | " | " | " |
| | | 8-49 | SBK/C | FI/SEXP/S/P | | | | | |
| 4 | " | 0-6 | GR/CL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48+ | " | " | " |
| | | 6-48 | SBK/C | FI/SEXP/S/P | | | | | |
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| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | | |
| Site LTAR | .3GPD/FT$^2$ | .3GPD/FT$^2$ |

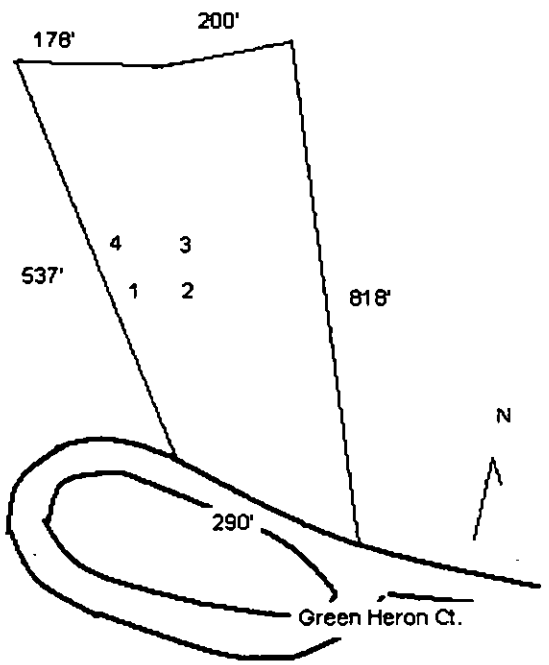
Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Martin, LSS, 5/18, 2006. W R Martin
Others Present:

**COMMENTS:**
100% repair, do not install system when soils are wet

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Food Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | SI-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SICL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | | | |
| FP-Flood Plain | | CL-Clay Loam | | |
| | | SCL-Sandy Clay Loam | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SIC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | SEXP-Slightly Expansive |
| FR-Friable | SS-Slightly Sticky | EXP-Expansive |
| FI-Firm | S-Sticky | |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**



GWS – RES. APP 07/05

SEPTIC FEE: 200.00
DATE: 2/14/06
CRT [ ] Check # 009426
JKA

**PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES**

FILE # 6343B

WELL FEE: _____
DATE: _____
CRT [ ]

**SEPTIC / TYPE APPLICATION:** ☐ NONE ☐ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

**WELL / TYPE APPLICATION:** ☐ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

**JOB LOCATION INFORMATION:**

TAX/PARCEL #: 19935302
STREET ADDRESS: Sage Thrasher Lane
CITY: Charlotte
STATE: NC ZIP: 28278
SUBDIVISION OR MOBILE HOME PARK NAME: The Sanctuary
LOT #: 104
TOWNSHIP:

☒ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

**BUILDING INFORMATION:**

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☒ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☒ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

**IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:**

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☐ NO TYPE:

**WATER SUPPLY:**

☐ MUNICIPAL (M) ☒ PUBLIC (C) ☐ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

**PROPOSED USE OF WELL:** ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

**ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.**

| | | | |
|---|---|---|---|
| BURIED CABLES, LANDFILLS, STUMPHOLES | ☐ YES ☒ NO | WELLS, SPRINGS, OR WATER LINES | ☐ YES ☒ NO |
| EXISTING WASTEWATER SYSTEMS | ☐ YES ☒ NO | DESIGNATED WETLANDS | ☐ YES ☐ NO |
| EASEMENTS OR RIGHT-OF-WAYS | ☐ YES ☒ NO | GRADING/SOIL REMOVAL PERFORMED | ☐ YES ☒ NO |

**PROPERTY OWNER:**

NAME: The Sanctuary of Lake Wylie, LLC
ADDRESS: 11104 Limehurst Place
CITY: Charlotte
STATE: NC ZIP: 28278
HOME PHONE: — WORK PHONE: 295-1106
MOBILE PHONE: — FAX: —

**LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:**

NAME: Paul Penninger, S+ME, Inc
ADDRESS: 385 Timber Rd suite 104
CITY: Mooresville
STATE: NC ZIP: 28115
HOME PHONE: WORK PHONE: 662-8625
MOBILE PHONE: 996-6380 FAX: 662-8735

**WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** 2005
**WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** ~ 120 days

"An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

2-13-06

Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

"A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

2

FRANK BETZ ASSOCIATES, INC.

BASEMENT FOUNDATION PLAN

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.

FEE: 200.00
DATE:5/1/2014

**MECKLENBURG COUNTY<**
**GROUNDWATER & WASTEWATER SERVICES**

**FILE NUMBER:** 6343B

**PERMIT NUMBER:** 30000412

**PARCEL NUMBER:** 19935346

**JOB LOCATION INFORMATION**

**ADDRESS:** 10437 GREEN HERON CT

**CITY:** CHARLOTTE **STATE: NC** **ZIP:** 28278

**ISSUED TO:** The Sanctuary of Lake Wylie, LLC

**CONSTRUCTION AUTHORIZATION ISSUANCE DATE:** 7/12/2006

## CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30000412, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

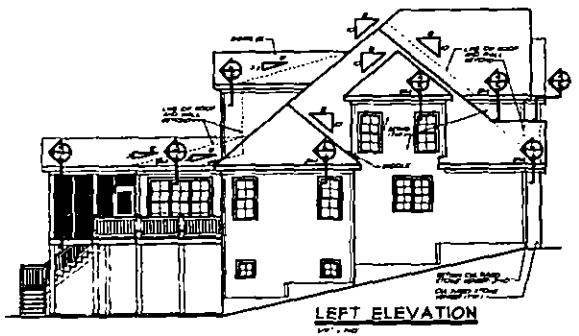
4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 7/12/2011

FRANK BETZ ASSOCIATES, INC.

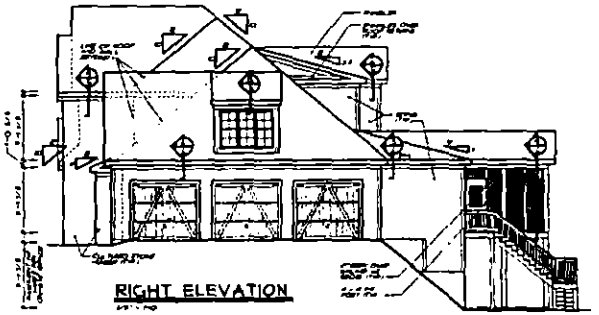
FIRST FLOOR PLAN / DETAIL

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.



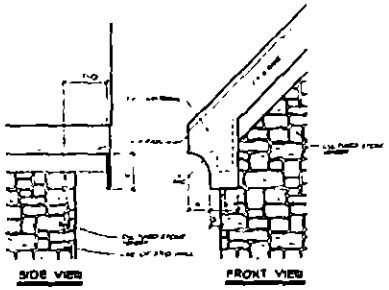
LEFT ELEVATION



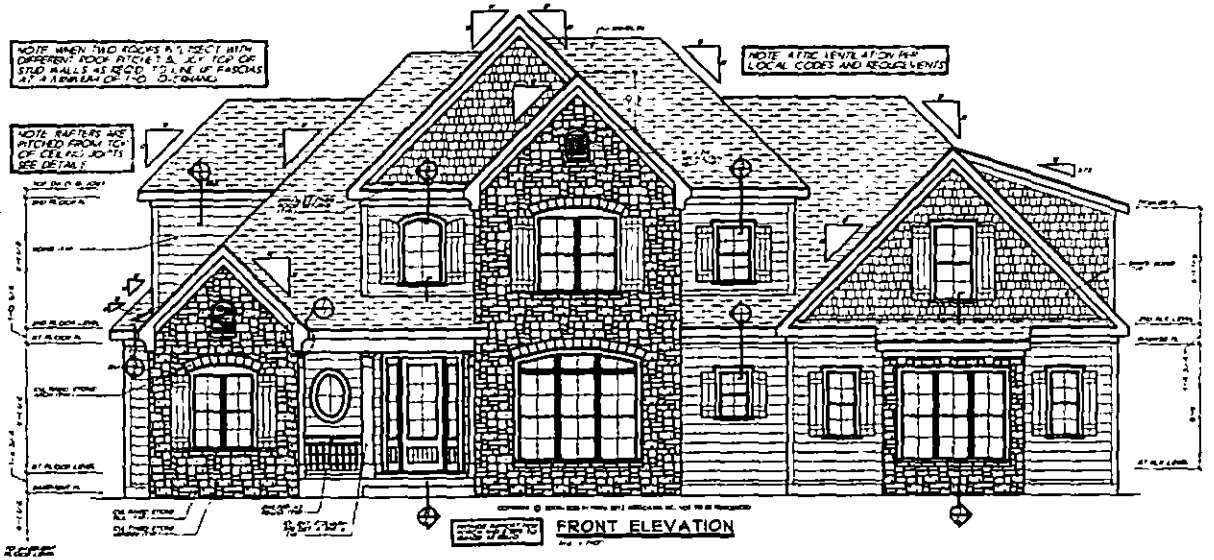
RIGHT ELEVATION



REAR ELEVATION




CORNICE DETAIL




FRONT ELEVATION

TOM PALMER HOMES
DAVIDSON, N.C.

ELEVATIONS / DETAIL

THE LILLIAN RIDGE 2

FRANK BETZ ASSOCIATES, INC.

SHEET 1

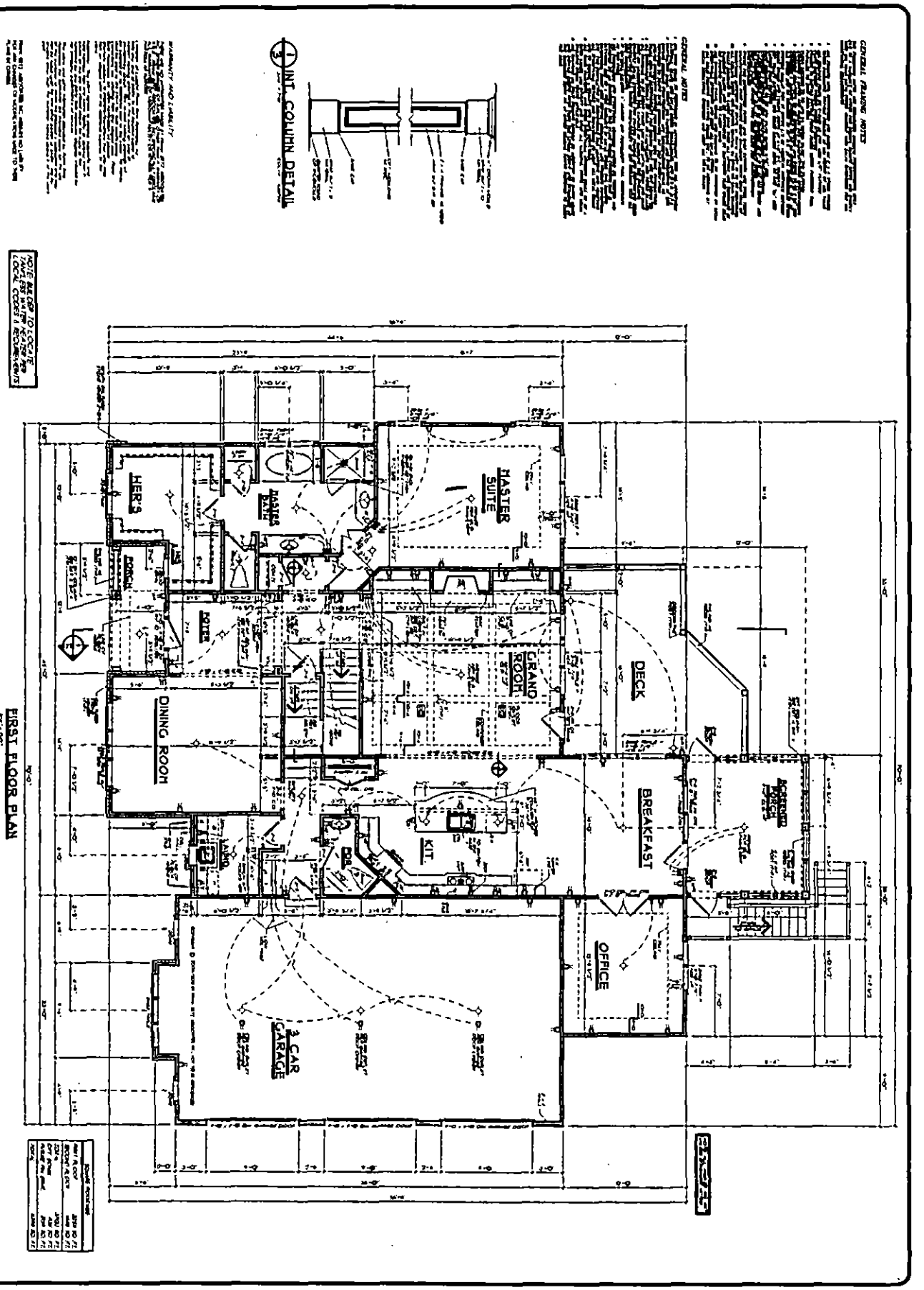
2

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
1330 GEORGE BUSBEE PARKWAY
SUITE 110
KENNESAW, GEORGIA 30144
770-421-0888 800-717-3003

BASEMENT FOUNDATION PLAN

THE ULLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.




3

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS

FIRST FLOOR PLAN / DETAIL

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.

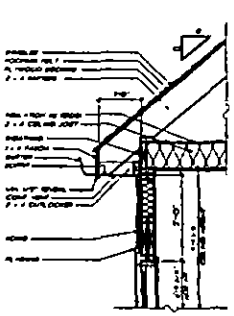
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FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS

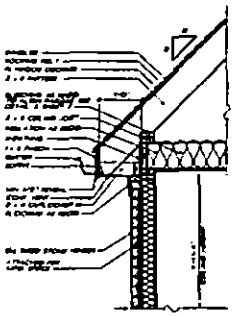
SECOND FLOOR PLAN

THE LILLIAN RIDGE 2

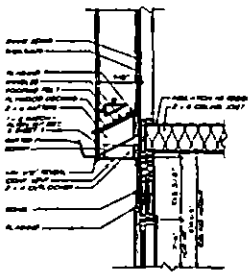
TOM PALMER HOMES
DAVIDSON, N.C.



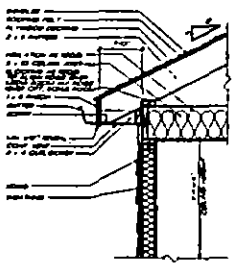
3/5 CORNICE DETAIL



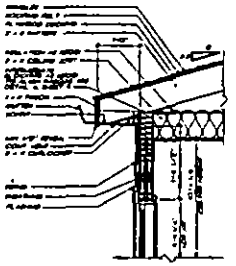
4/5 CORNICE DETAIL



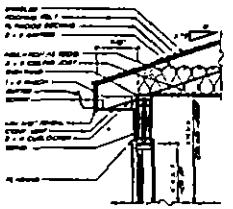
5/5 CORNICE DETAIL



6/5 CORNICE DETAIL

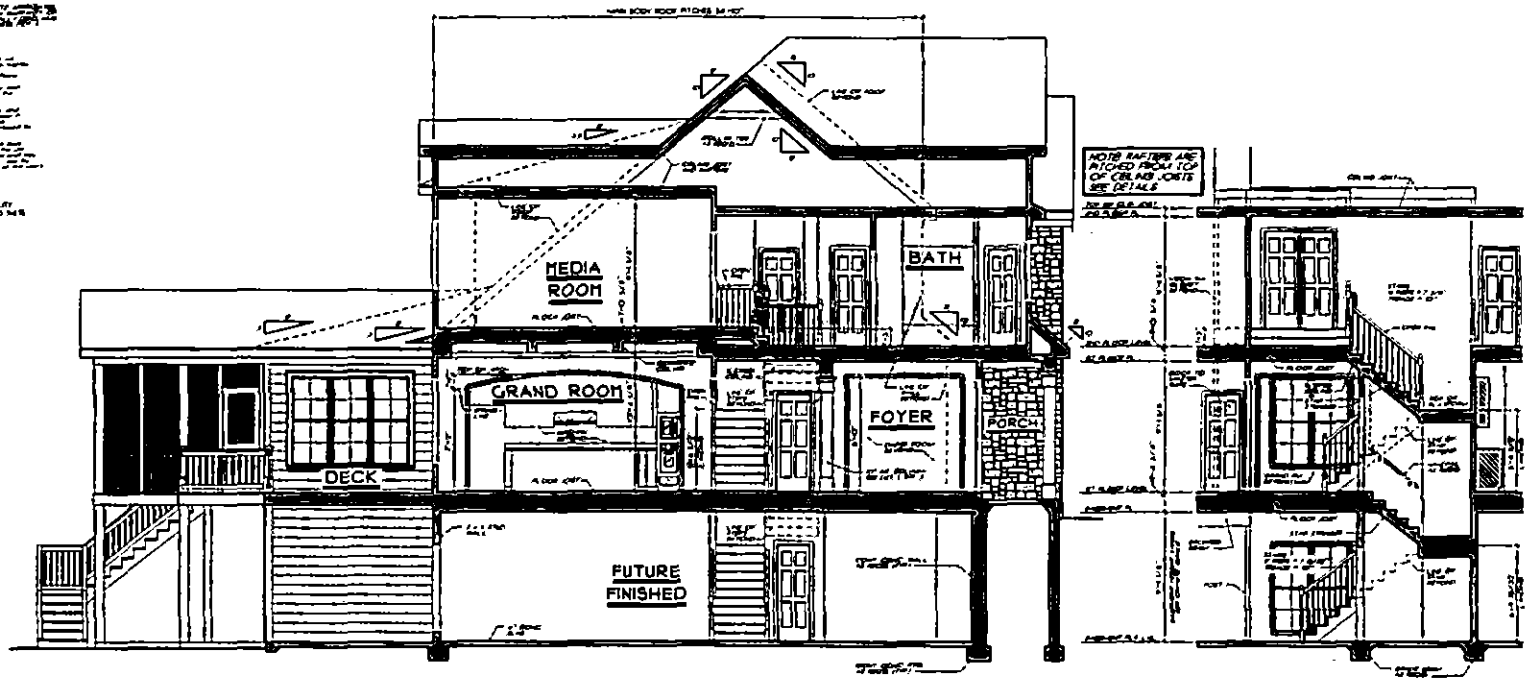


7/5 CORNICE DETAIL



8/5 CORNICE DETAIL

WARRANTY AND LIABILITY




1/5 TRANSVERSE SECTION

2/5 STAIR SECTION

TOM PALMER HOMES
DAVIDSON, N.C.

SECTIONS / DETAILS

THE LILLIAN RIDGE 2

FRANK BETZ ASSOCIATES, INC.

SHEET 5

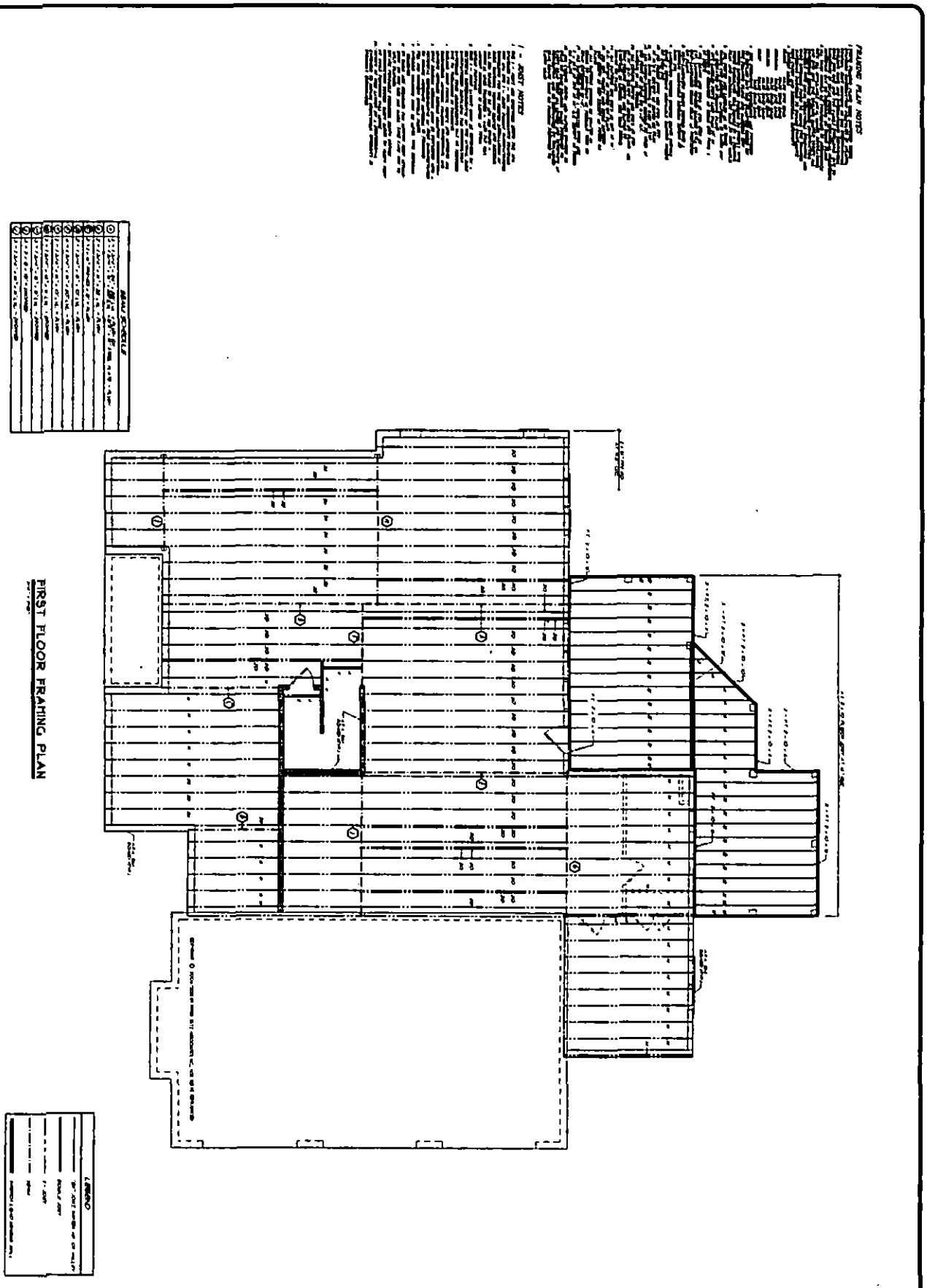
SHEET 6

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3330 GEORGE BUSBEE PARKWAY
SUITE 110
KENNESAW, GEORGIA 30144
770-421-0888 800-717-3033

DETAILS

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.



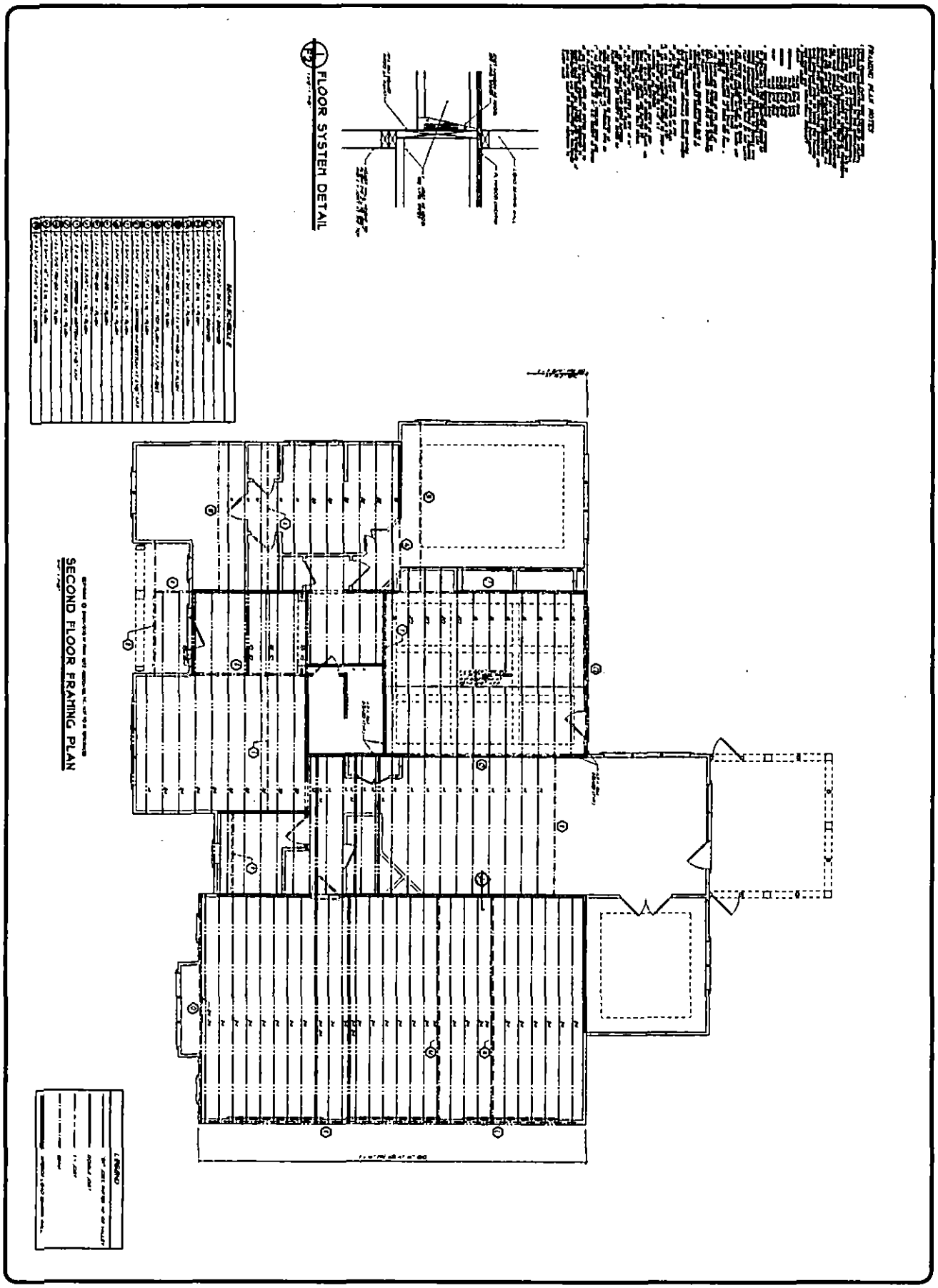

F1

FRANK BETZ ASSOCIATES, INC.

BASEMENT
1ST. FLOOR FRAMING PLAN

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.




F2

FRANK BETZ ASSOCIATES, INC.

2ND. FLOOR FRAMING PLAN

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.

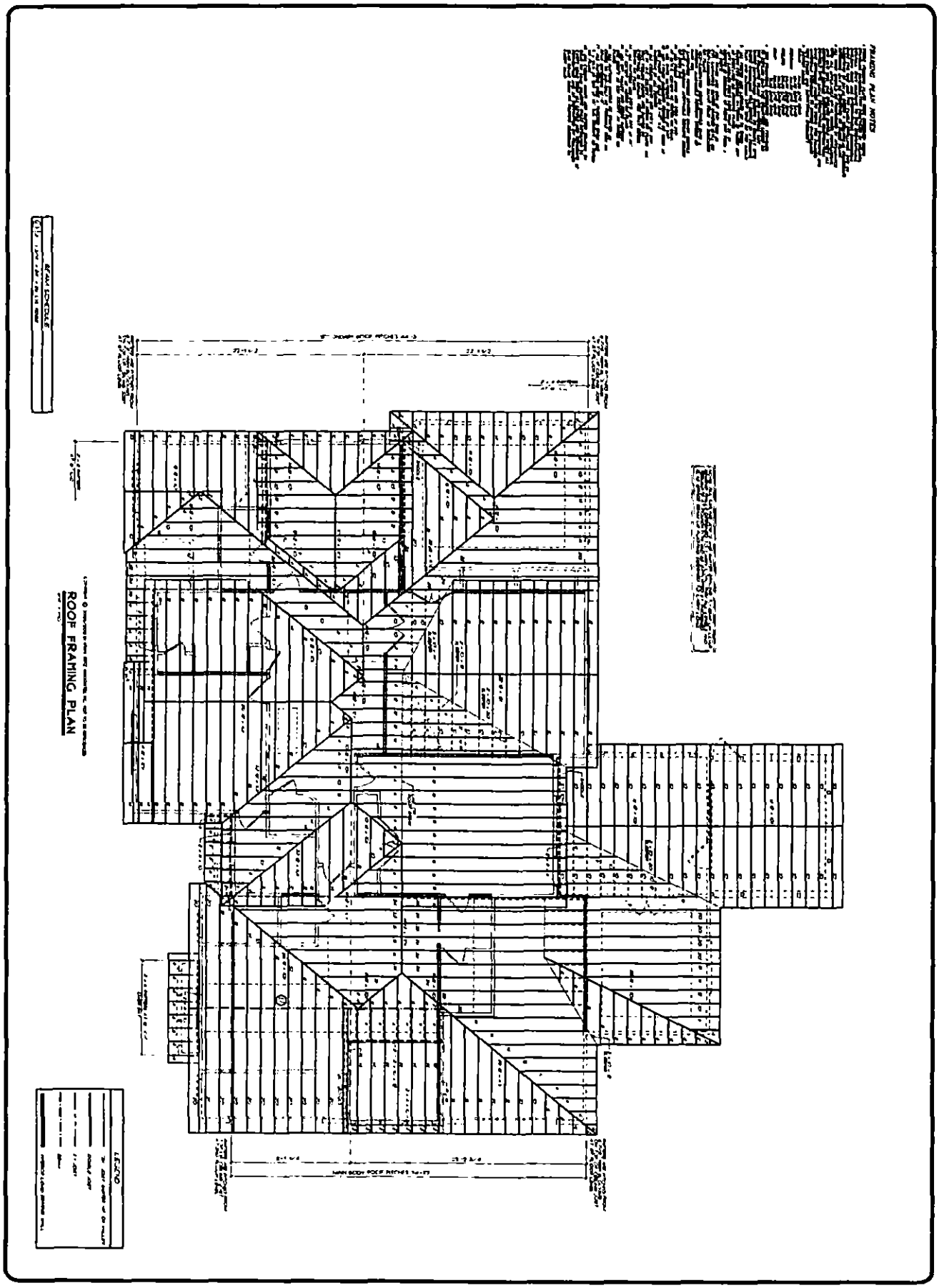
F3

FRANK BETZ ASSOCIATES, INC.

CLG. JOIST FRAMING PLAN

THE LILLIAN RIDGE 2

TOM PALMER HOMES
DAVIDSON, N.C.




F4

FRANK BETZ ASSOCIATES, INC.

ROOF FRAMING PLAN

THE LILLIAN RIDGE 2

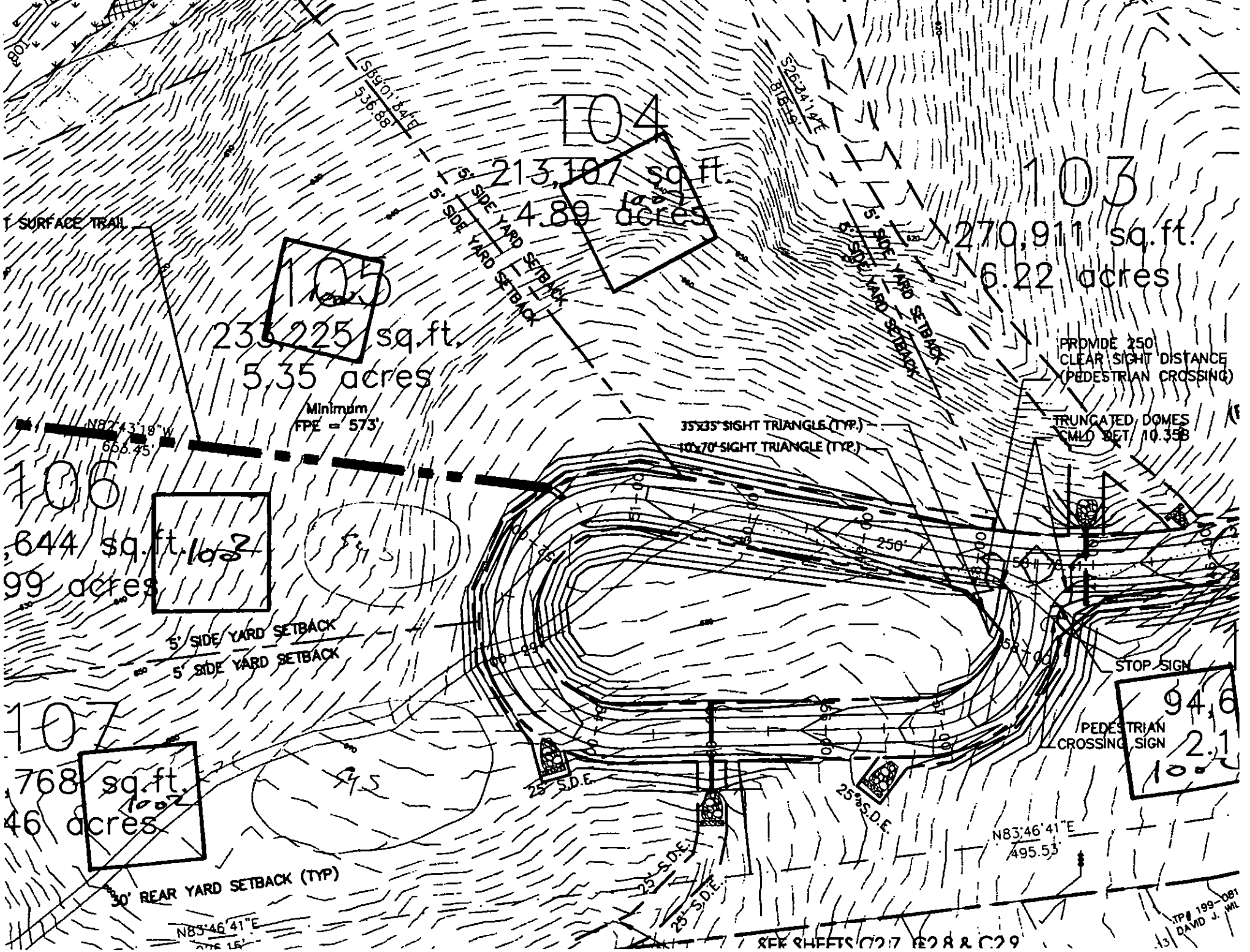
TOM PALMER HOMES
DAVIDSON, N.C.

THE JULIAN FLOOR 2

SECOND FLOOR PLAN

FRANK BETZ
ASSOCIATES, INC.

TOM PALMER HOMES
DAVIDSON, N.C.


104
213,107 sq.ft.
4.89 acres
103
270,911 sq.ft.
6.22 acres
105
233,225 sq.ft.
5.35 acres
106
644 sq.ft.
99 acres
107
768 sq.ft.
46 acres
T SURFACE TRAIL
S89°01'44"E
536.88'
S26°24'14"E
815.19'
5' SIDE YARD SETBACK
5' SIDE YARD SETBACK
5' SIDE YARD SETBACK
5' SIDE YARD SETBACK
Minimum
FPE = 573'
N82°43'19"W
666.45'
35'x35' SIGHT TRIANGLE (TYP.)
10'x70' SIGHT TRIANGLE (TYP.)
PROVIDE 250'
CLEAR SIGHT DISTANCE
(PEDESTRIAN CROSSING)
TRUNCATED DOMES
CMLD SET, 10.35B
250'
STOP SIGN
PEDESTRIAN
CROSSING SIGN
25' S.D.E.
25' S.D.E.
25' S.D.E.
25' S.D.E.
30' REAR YARD SETBACK (TYP)
N83°46'41"E
495.53'
N83°46'41"E
SEE SHEETS C02.1, C02.2 & C02.3
TP# 199-081
DAVID J. WIL

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
*Payment Receipt*

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 02/14/06 | **Amount:** | 1,000.00 |
| **Receipt #:** | 41266 | **Tendered:** | 1,000.00 |
| **Check / Auth #:** | CHECK 9426 | **Returned:** | 0.00 |
| **Received By:** | AIDOOJK | | |

**Account Information**

**Account #:** 200000
**Contractor:** S&ME
**Attn:**
**Address:** 3718 OLD BATTLEGROUND ROAD
**Address:**
**City/State/Zip:** GREENSBORO, NC 27410

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0701 | Improvment Permit App-Residen<br>THE SANTUARY LOTS 96-98, 104&105 | | 1 | 1,000.00 | 1,000.00 |

**Outstanding Balances**

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|




10437 GREEN HERON CT

19935346

1/10/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
*Barcode Font = IDAutomationHC39M*

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

# IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30000412** GWS File #: **6343B** Tax Parcel #: **199-353-02**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

**I. This Improvement Permit Shall:** Expire in Five (5) Years **Expiration Date (If Applicable):** 7/12/2011

Type of Installation: Residential - New System Lot Number: 104

Structure Type: HOUSE Size ($ft^2$): 0 # Bedrooms: 5 # Occupants: 10

Building Foundation: Basement With Plumbing Water Supply: Community

**II. Initial System Type:** Innovative or Experimental **System Classification:** IIIg

Initial System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 600 | LTAR (gpd/$ft^2$): | 0.3 | Septic Tank Size (gal): | 1500 | Pump Tank Size (gal): | N/A |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 1500 | Total Trench Length (ft): | 500 |
| Maximum Trench Depth (in): | 30 | Depth of Media (in): | N/A | Distribution Device: | Distribution Box | | |

**III. Repair System Type:** PPBPS (gravity) **System Classification:** IVa

Repair System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 600 | LTAR (gpd/$ft^2$): | 0.3 | Septic Tank Size (gal): | 1500 | Pump Tank Size (gal): | N/A |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 999 | Total Trench Length (ft): | 333 |
| Maximum Trench Depth (in): | 42 | Depth of Media (in): | N/A | Distribution Device: | Distribution Box | | |

**IV. Permit Conditions/Comments:**

*(Please See the Following Page for Permit Conditions.)*

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Zach Petersen Owner/Legal Agent: PAUL PENNINGTON

Signature: ES/B Signature:

Print Name

Date Issued: 7/12/2006

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
*On-Site Wastewater Section*

## IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30000412** GWS File #: **6343B**

**IV. Permit Conditions/Comments:**

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Zach Petersen

Signature: Zach Petersen

Date Issued: 7/12/2006

Owner/Legal Agent: PAUL PENNICK

Print Name

Signature: Paul Pennick

# Supervisor/Administrative Professional Checklist

**New Septic** ☑ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

**New Septic Fees Paid:**

IP ($250.00) Pd _____ Initials/Date

CA ($200.00) lw 4/30/14 Initials/Date

OP ($200.00) lw 4/30/14 Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

**New Well Fee Paid:** $550.00 _____ Initials/Date

**Use Existing Fee Paid:** $100.00 _____ Initials/Date

**Alteration Fee Paid:** $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

**Modified Plot Plan Fee Paid:** $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ JAM

This site is served by septic and well. Verify each is complete before final hold is released. ☐

Septic file completed. ☐ _____ Well file completed. ☐ _____

Send permit for signature. ☐ Signature received. ☑ _____

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ _____

# *MECKLENBURG COUNTY*
# *LAND USE AND ENVIRONMENTAL SERVICES*
## *Payment Receipt*

**Receipt Information**

**Date:** 04/30/14
**Receipt #:** 89326
**Check / Auth #:** CHARGE
**Received By:** SADERLW

**Amount:** 200.00
**Tendered:** 200.00
**Returned:** 0.00

**Account Information**

**Account #:** X44389
**Contractor:** PALMER TOM HOMES INC
**Attn:**
**Address:** PO BOX 2387
**Address:**
**City/State/Zip:** DAVIDSON, NC 28036

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0703 | Installation/Final Approval<br>10437 Green Heron Ct | | 1 | 200.00 | 200.00 |

----------Outstanding Balances----------

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 400.00 | | | | | |

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
*Payment Receipt*

**Receipt Information**

**Date:** 04/30/14
**Receipt #:** 89325
**Check / Auth #:** CHARGE
**Received By:** SADERLW

**Amount:** 200.00
**Tendered:** 200.00
**Returned:** 0.00

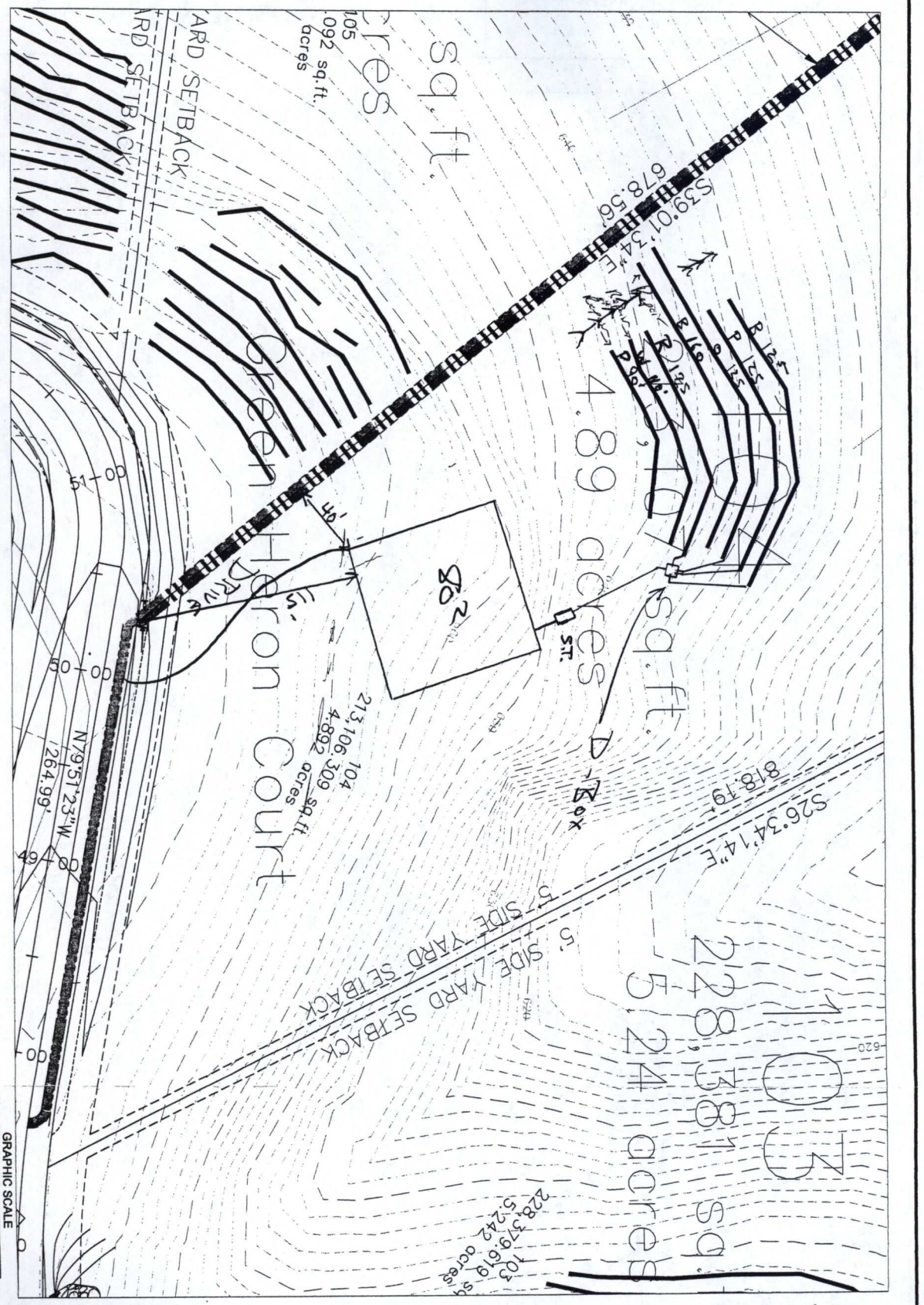
**Account Information**

**Account #:** X44389
**Contractor:** PALMER TOM HOMES INC
**Attn:**
**Address:** PO BOX 2387
**Address:**
**City/State/Zip:** DAVIDSON, NC 28036

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0734 | Auth for Waste Wtr Sys Constr<br>10437 Green Heron Ct | | 1 | 200.00 | 200.00 |

----------Outstanding Balances----------

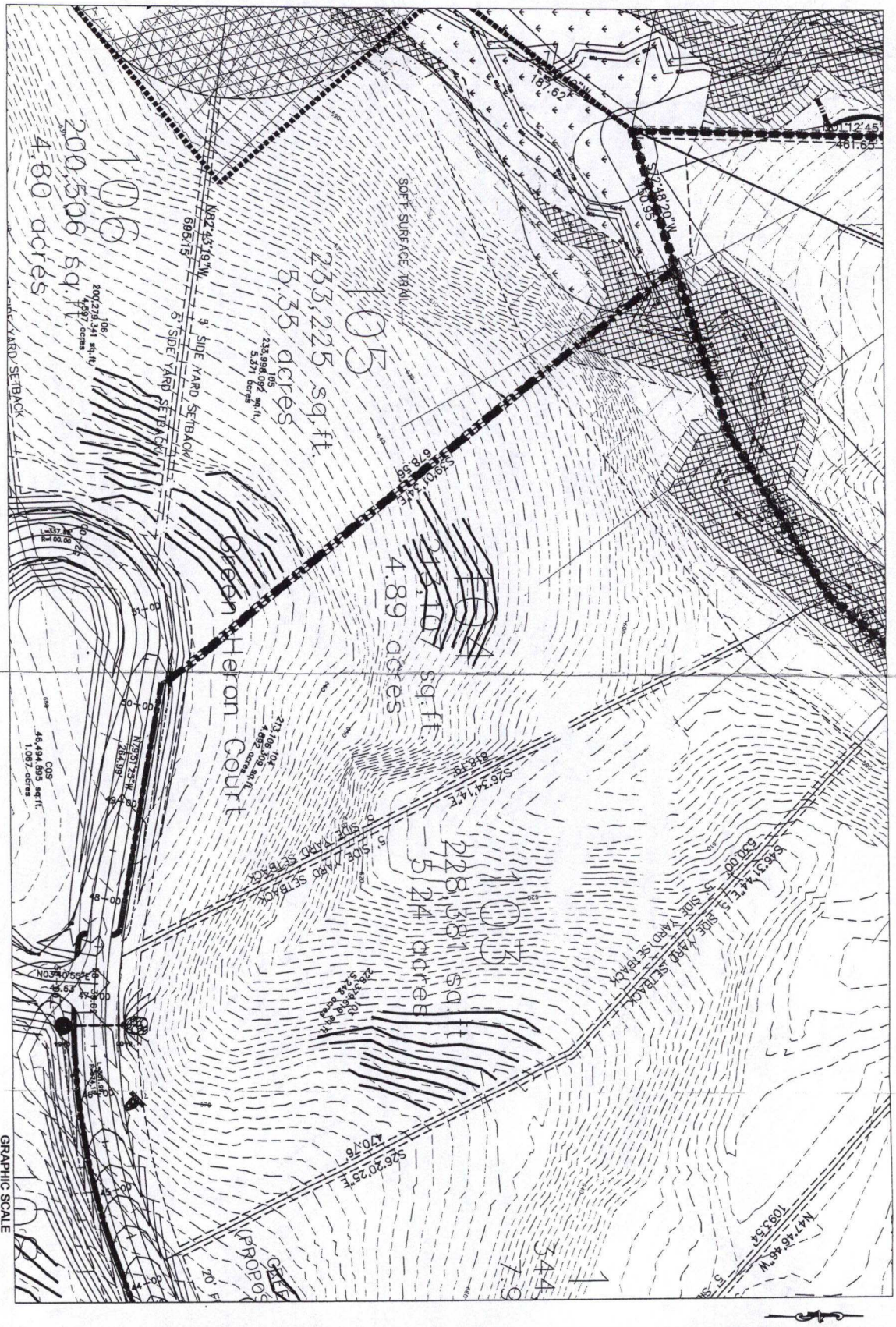
| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 200.00 | | | | | |




S&ME
ENGINEERING · TESTING
ENVIRONMENTAL SERVICES

**LOT 104**
THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

| SCALE: | DRAWN BY: | CHECKED BY: |
|---|---|---|
| AS SHOWN | JBP | PGP |
| JOB NO. | DATE: | FIGURE NO. |
| 1588-05-067 | JUNE, 2006 | 1 |




S&ME
ENGINEERING · TESTING
ENVIRONMENTAL SERVICES

**LOT 104**
THE SANCTUARY
MECKLENBURG COUNTY, NORTH CAROLINA

| SCALE: AS SHOWN | DRAWN BY: JBP | CHECKED BY: PGP |
|---|---|---|
| JOB NO. 1588-05-067 | DATE: JUNE, 2006 | FIGURE NO. 1 |