

Bureau of Environmental Health 7178 Gateway Drive Columbia, MD

Columbia, MD 21046 Fax (410) 313-2648

(410) 313-2640 TDD (410) 313-2323

Toll Free 1-866-313-6300

website: www.hchealth.org

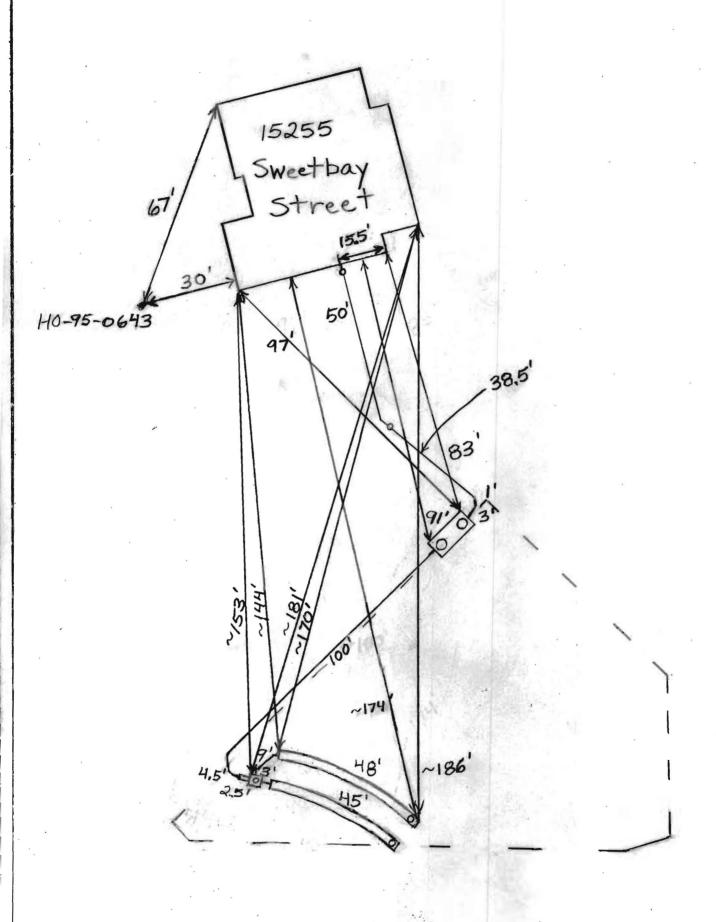
Maura J. Rossman, M.D., Health Officer

| RECEIPT [   | DATE: 9-22-14 ONSITE SEWAGE DISPOSAL SYSTEM P 55-16-10   |  |  |  |  |
|---|--|--|--|--|--|
| INSTALLA<br>APPROVAL [  | PERMIT  CONSTRUCTION  A  CONSTRUCTION  |  |  |  |  |
| PROPERTY A  | DDRESS: 15255 Sweetbay Street  |  |  |  |  |
|   | l: Belle Haven Estates LOT: 35 TAX ID: 04-374010   |  |  |  |  |
| CONTRACTO   | R: Ben Lewis Plumbing EMAIL:   |  |  |  |  |
|   | R ADDRESS: 23407 Frederick Road, Clarksburg, MD 20871 PHONE: 301-674-3324  |  |  |  |  |
| PROPERTY O  | WNER: KHovnanian Homes EMAIL:  |  |  |  |  |
| OWNER ADD   | RESS: 1802 Brightseat Road, Landover, MD 20785 PHONE: 301-683-6268   |  |  |  |  |
| BAT UNIT MODEL: HOOT BNR 600 BAT UNIT SIZE: 600GPD  |  |  |  |  |  |
| PUMP CHAM   | IBER CAPACITY (GALLONS): 750GPD PUMP SIZE:   |  |  |  |  |
| NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. 6866 APPLICATION RATE: 0.8  |  |  |  |  |  |
| DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED  |  |  |  |  |  |
|   | LINEAR FEET REQUIRED: SEE BAT PLAN INLET DEPTH: SEE BAT PLAN   |  |  |  |  |
| TRENCHES:   | TRENCH WIDTH: SEE BAT PLAN MAXIMUM BOTTOM DEPTH: 8   |  |  |  |  |
|   | MINIMUM SPACE BETWEEN TRENCHES: SEE BAT PLAN   EFFECTIVE AREA BEGINNING DEPTH: 4   |  |  |  |  |
| LOCATION:   | PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION. |  |  |  |  |
|   | Set BAT unit per plan.   |  |  |  |  |
| Set distribution box in SDA immediately downhill of tank outlet.  NOTES: Install 2 x 66' trenches on contour in upper SDA. $2x45'$ $3-8'$ |  |  |  |  |  |
|   |  |  |  |  |  |
| ISSUED BY:  | Robert Bricker ISSUE DATE: 10-2-14 EXPIRATION DATE: 10-2-15  |  |  |  |  |
| NOTE: CONT  | FRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION  |  |  |  |  |
| NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING  |  |  |  |  |  |
| NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.   |  |  |  |  |  |
| NOTE: WATERTIGHT SEPTIC TANKS REQUIRED  NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL      |  |  |  |  |  |
| NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS   |  |  |  |  |  |
|   | LECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM   |  |  |  |  |
| NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE  |  |  |  |  |  |

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

| See As-Built Drawing<br>On Separate Sheet  | TRENCH/DRAINFIELD DATA WIDTH INLET BOTTOM  2 3  NUMBER OF TRENCHES 2  TOTAL LENGTH 93  ABSORPTION AREA 372  DISTRIBUTION BOX LEVEL 5  DISTRIBUTION BOX BAFFLE 5  DISTRIBUTION BOX PORT 1  SEPTIC TANK DATA SEPTIC TANK I LEVEL 1  MANUFACTURER  CAPACITY 2 100 GAL SEAM LOC 1  BAFFLES 1  BAFFLES 1  BAFFLES 1  BAFFLES 1  WATERTIGHT TEST 1  SLOTTED NA  DATE ON LID 1  PUMP/SEPTIC TANK LEVEL NA  MANUFACTURER  CAPACITY GAL SEAM LOC TANK LID DEPTH BAFFLES  CAPACITY GAL SEAM LID DEPTH BAFFLES |
|--|---|
| ROAD NAME  | BAFFLE FILTER  MANHOLE ZOC  6" PORT LOC  WATERTIGHT TEST SLOTTED  DATE ON LID   |
|  |   |
| PRE-CONSTRUCTION,<br>10/7/2014 Layout done. Install system<br>plan. Frenches 8' deep. BB                                     | similian to BAT   |
|  | · ·   |
|  |   |
| INSTALLATION: 10/14/2014 Dank set. House connect<br>10/15/2014 Bystem finished, J. X, tol<br>approval from HOOT inspector BB |   |
| 10117  |   |
|  |   |
|  |   |
| FINAL INSPECTOR . DATE OF APPRO  | OVAL 5/13/15  |



# Letter of Satisfaction Hoot System Installation

| Address of Property:               | 15255                  | Sweetbay St.   |  |
|------------------------------------|------------------------|--|--|
|                                    | Woodbin                | ne, MD 21797   |  |
|                                    | •                      |  |  |
| Installer: Ben 1                   | -ewis Plu              | umbing   |  |
| Hoot Technician/Inspector.         | m: Ke                  | Sample   |  |
|                                    | tallation practices. I | the property listed above has been install<br>I have also verified the startup of the syst |  |
| Sincerely,                         |                        |  |  |
| Name of Inspector Mayer Bros.,Inc. | Jap_                   |  |  |
| E                                  | -mailed                | 3/18/15  |  |
|                                    |                        |  |  |

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors.

Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries, Scapewel Window Wells, Custom Precast Products

**NPCA Certified Plant** 

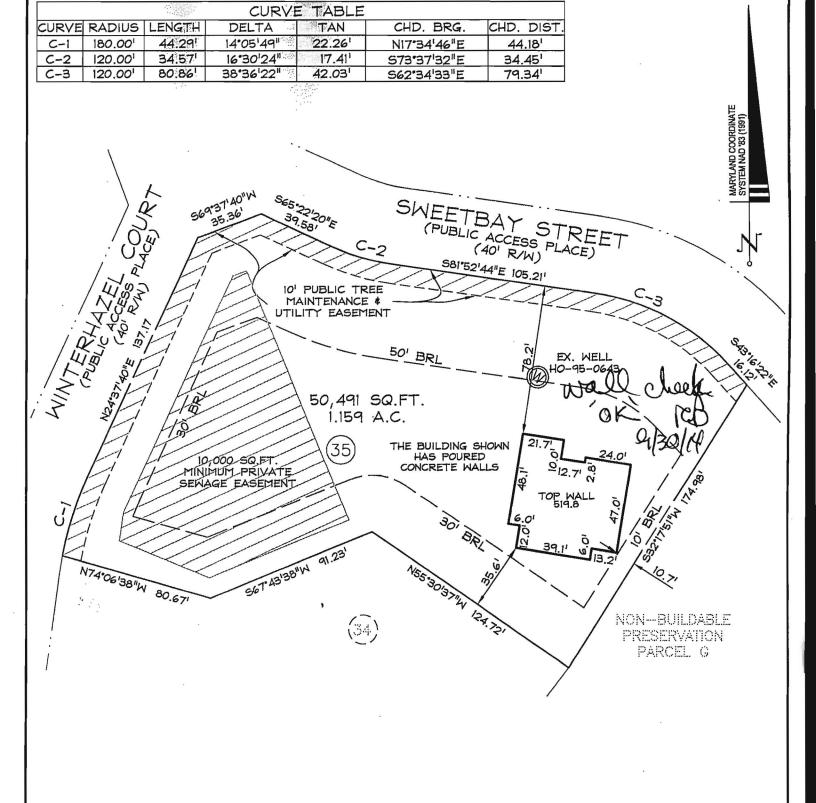
mayerbro@connext.net

www.mayerbrosprecast.com

WBE

PH: 410-796-1434

FX: 410-796-1438



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I EITHER PERSONALLY
PREPARED OR WAS IN RESPONSIBLE CHARGE OVER THE
PREPARATION OF THIS DRAWING AND THE SURVEYING
WORK REFLECTED IN IT, AND THAT IT IS IN COMPLIANCE
WITH REQUIREMENTS SET FORTH IN REGULATION IN THE SURVEYOR WITH AND THE SURVEYOR WITH THE LAWS OF THE STATE OF MARYLAND, LICENSE WE B. SO, EXPIRATION DATE 7/6/16.

PROPERTY OF THE STATE OF MARYLAND, LICENSE WE B. SO, IN THE SURVEYOR WITH SURVEYOR WITH THE LAWS OF THE STATE OF MARYLAND, LICENSE WE B. SO, IN THE SURVEYOR WITH SURVEYOR WITH

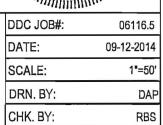
15255 SWEETBAY STREET **LOT 35** 

**BELLE HAVEN ESTATES** 

PLAT No. 19952

**ELECTION DIST. No.4** 

HOWARD COUNTY, MD



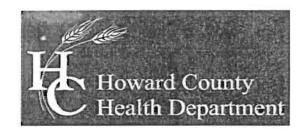


192 East Main Street Westminster, MD 21157 410.386.0560 410.386.0564 (Fax)

Landscape Architects

**Planners** Surveyors Engineers

DDC@ DDCinc.us www.DDCinc.us



### Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045 Main: 410-313-2640 | Fax: 410-313-2648 TDD 410-313-2323 | Toll Free 1-866-313-6300 www.hchealth.org

Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

## OPERATION AND MAINTENANCE AGREEMENT FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM HAVING AN ADVANCED PRE-TREATMENT SYSTEM

| THIS AGREEMENT is made this 2200 day of September, among  K HONDANIAN ROWS OF MANNAND I LLC , hereinafter collectively referred to as |
|---|
| "Owner", and the Howard County Health Department hereinafter referred to as the "County".   |
| WHEREAS, Owner is the owner or contract owner of a parcel of land located at  |

15255 Swell Bay Street Wood Birds 21797, in the 04 Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 15691 Folio 273.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is Host Sustain BNR 600.

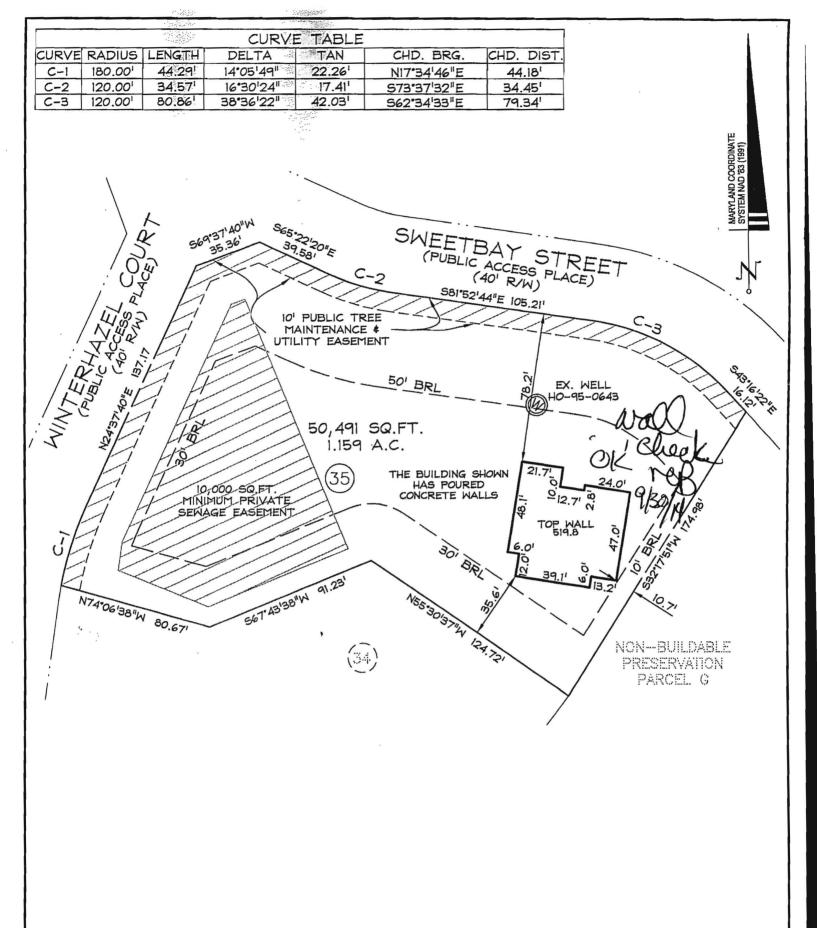
NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

- F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.
- G. This agreement may be voided at any time at the discretion of the County.
- H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.
- I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.
- J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

| ~ .  | N A4525 G1                               |
|--|--|
| IN WITNESS WHEREOF, the parties have signed indicated above.               | and sealed this agreement on the date    |
| Bert Nifon 9/2/2014 Howard County Health Department                        | SEP 2'2 2014  HOWARD COUNTY HEALTH DEPT. |
| Owner #1 Signature Date STUP SNJOW / VF KHONNANIM HUMEN CT MARYLAND Z. LLC | Owner#2 Signature Date                   |
| Owner #1 Print Name  Not Solo As us 9/2/14                                 | Owner #2 Print Name                      |
| Buyer #1 Signature Date  Not Solv At of 9/24/14                            | Buyer #2 Signature Date                  |
| Buyer #1 Print Name  | Buyer #2 Print Name                      |



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I EITHER PERSONALLY
PREPARED OR WAS IN RESPONSIBLE CHARGE OVER THE
PREPARATION OF THIS DRAWING AND THE SURVEYING
WORK REFLECTED IN IT, AND THAT IT IS IN COMPLIANCE
WITH REQUIREMENTS SET FORTH IN REGULATION IN THE CHAPTER OG, MINIMUM STANDARDS OF PRACTICES AND MARY
THE LAWS OF THE STATE OF MARYLAND, LICENSE WE B. SOLUTION
239, EXPIRATION DATE 7/6/16.

06116.5

Development Design Consultants

**Planners** Surveyors Engineers Landscape Architects

192 East Main Street Westminster, MD 21157 410.386.0560 410.386.0564 (Fax) DDC@ DDCinc.us www.DDCinc.us

15255 SWEETBAY STREET **LOT 35** 

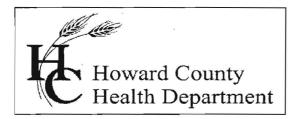
**BELLE HAVEN ESTATES** 

PLAT No. 19952

**ELECTION DIST. No.4** 

HOWARD COUNTY, MD

09-12-2014 DATE: 1"=50" SCALE: DRN. BY: DAP RBS CHK. BY:



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Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

#### Maura J. Rossman, M.D., Health Officer

July 18, 2014

TO:

Paul Cavanaugh, P.E.

DDC, Inc.

FROM:

Robert Bricker

Environmental Sanitarian II

RE:

15255 Sweetbay Street (Lot 35), BAT Site Plan: comment

#### The BAT Site Plan needs to be amended as follows:

- 1. I have enclosed a mark-up of the Plan View illustrating the following:
  - a. re-orient the direction of the BAT unit and location of Blower
  - b. re-locate the Distribution Box
  - c. re-locate the initial drainfield system to the uppermost region of the SDA
  - d. relocate the first replacement drainfield as indicated.
- 2. In Septic System Profile, edit the following:
  - a. Re-position the invert at the foundation wall making it equal or higher in elevation than the top of the BAT unit. (Thereby the entire volume of the BAT unit may store discharge from the house in the event of pump failure, and the wastewater doesn't back-up into the house until the tank is full.)
  - b. Correct the height and relative elevation change for Inverts IN and OUT of Distribution Box. There is a drop of 1.3 feet across the Distribution Box. I recommend obtaining more accurate dimensions for Distribution Boxes and illustrating the height accurately.
- 3. Reconsider the Force Main design and calculations and impact on required size of Pump. For example, I have a reference for Charlotte Pipe and Foundry Company that describes 11.85 feet of Friction Head per 100 feet pipe length for 1 ¼" diameter Schedule 40 pipe at 30 gallons per minute, and having velocity of 6.63 ft/sec. In comparison, a 2" diameter Schedule 40 pipe at 30 gallons per minute has only 1.62 feet of Friction Head per 100 feet pipe length and velocity of 2.93 ft/sec.
- 4. Correct all calculations and elevations per edits.

Re-submit two (2) copies of the revised plan directly to the Bureau of Environmental Health, to my attention.

Copy: file

**Finksburg Dispatch** Finksburg Sales 410-833-4400 410-833-4400

# Land Sand & Gravel, Inc. T/A S. W. Barrick & Sons **Finksburg Terminal**

FINKSBURG, MARYLAND

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

INSPECTOR'S COPY

FAX 410-833-4909

**BILLING INQUIRIES** 1-800-762-2294

TICKET #00330689

STATION FT

DATE 10/13/14 TIME 06:18:16

JUSTONER LEWBEN BEN LEWIS, INC. 23407 FREDERICK RD LARKSBURG MD 20871 JOB BELHAV : BELL HAVEN P.O. # 31062 PROJECT #1 15255 SWEET BAY

Loads

TRUCK 743D LICENSE DRIVER: RAY'S RELIABLE TRKING LLC

3 AXLES

ANDY 301-674-3324

IN (STORED)

SCALE A

68960 lb 28320 1b 40640 lb 20.32 t

DAILY TOTAL TIME IN 06:18:16

20.32 20.32 TIME OUT 06:18:16

Tons

MAT'L 0022 : #2 STONE HAUL ZONE L-10

GROSS

TARE

NET

NET

WEIGHMASTER Jim Cooke

Finksburg Dispatch **Finksburg Sales** 410-833-4400 410-833-4400

# Land Sand & Gravel, Inc. T/A S. W. Barrick & Sons **Finksburg Terminal**

FINKSBURG, MARYLAND

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

INSPECTOR'S COPY

FAX 410-833-4909

**BILLING INQUIRIES** 1-800-762-2294

TICKET #00330691

STATION FT

DATE 10/13/14 TIME 06:28:54

CUSTONER LEWBEN BEN LEWIS, INC. 23407 FREDERICK RD CLARKSBURG, MD 20871

BELHAV BELL HAVER 31062 PROJECT #: 15255 SWEET BAY

ANDY 301-674-3324

TRUCK 743B LICENSE DRIVER' TRAY'S RELIABLE

SCALE A

(STORED)

70000 26680

43320

21.66

3 AXLES

DATLY TOTAL

Loads

Tons 41.98 41.98

TIME OUT 06:28:54 TIME IN 05:28:54

HAT'L 0022 #2 STONE HAUL ZOME L-10

IN

WEIGHMASTER

GROSS

TARE

NET

NET

Jim Cobke

RECEIVED BY

**Finksburg Dispatch Finksburg Sales** 410-833-4400 410-833-4400

Land Sand & Gravel, Inc. T/A S. W. Barrick & Sons **Finksburg Terminal** FINKSBURG, MARYLAND

FAX 410-833-4909 **BILLING INQUIRIES** 1-800-762-2294

Mailing Address: P.O. Box 1504 Laurel, Maryland 20725

TICKET #00330741 STATION FT

INSPECTOR'S COPY

DATE 10/13/14 TIME 08:49:45

CUSTONER LEWBEN BEN LEWIS, INC.

23407 FREDERICK RD CLARKSBURG, MD 20871

IN

TRUCK 743D LICENSE

SCALE A

(STORED)

3 AXLES

DRIVER: RAY'S RELIABLE TRKING LLC

69480 lb 28320 1.6

41160 lb

20.58

DAILY

TOTAL

15255 SWEET BAY

ANDY 301-674-3324

TIME IN 08:49:45

Loads

JOB BELHAV : BELL HAVEN

P.O. # 31062 PROJECT #:

62.56

62.56

Tons

TIME OUT 08:49:45

MAT'L 022W 1 #2 STONE-DOUBLE WASHED

WEIGHMASTER

HAUL ZONE L-10

TARE

NET

NET

Jim Cooke

RECEIVED

