

STATE OF OREGON
Department of Environmental Quality

CERTIFICATE OF SATISFACTORY COMPLETION

SUBSURFACE OR ALTERNATIVE SEWAGE SYSTEM

Owner: FREDERICK F & DEBORAH M
KENDALL

Permit Number: 12-127735-SP

Location: 30608 NE MERSHON RD

In accordance with Oregon Revised Statute 454.665 this certificate is issued as evidence of satisfactory completion of a subsurface or alternative sewage disposal system at the above location.

September 14, 2012

Erin Mick, REHS

Date

Sanitarian



City of Portland
PORTLAND, OREGON
Bureau of Development Services



Troutdale OR 97066

Address 30608 NE Mershon Rd

Permit Number 12-127735

SP

Section 3: As-Built Plan of the Constructed System - Indicate the direction of North and show the locations of all wells within 200 feet of the system.

Distances

A-C = 24'

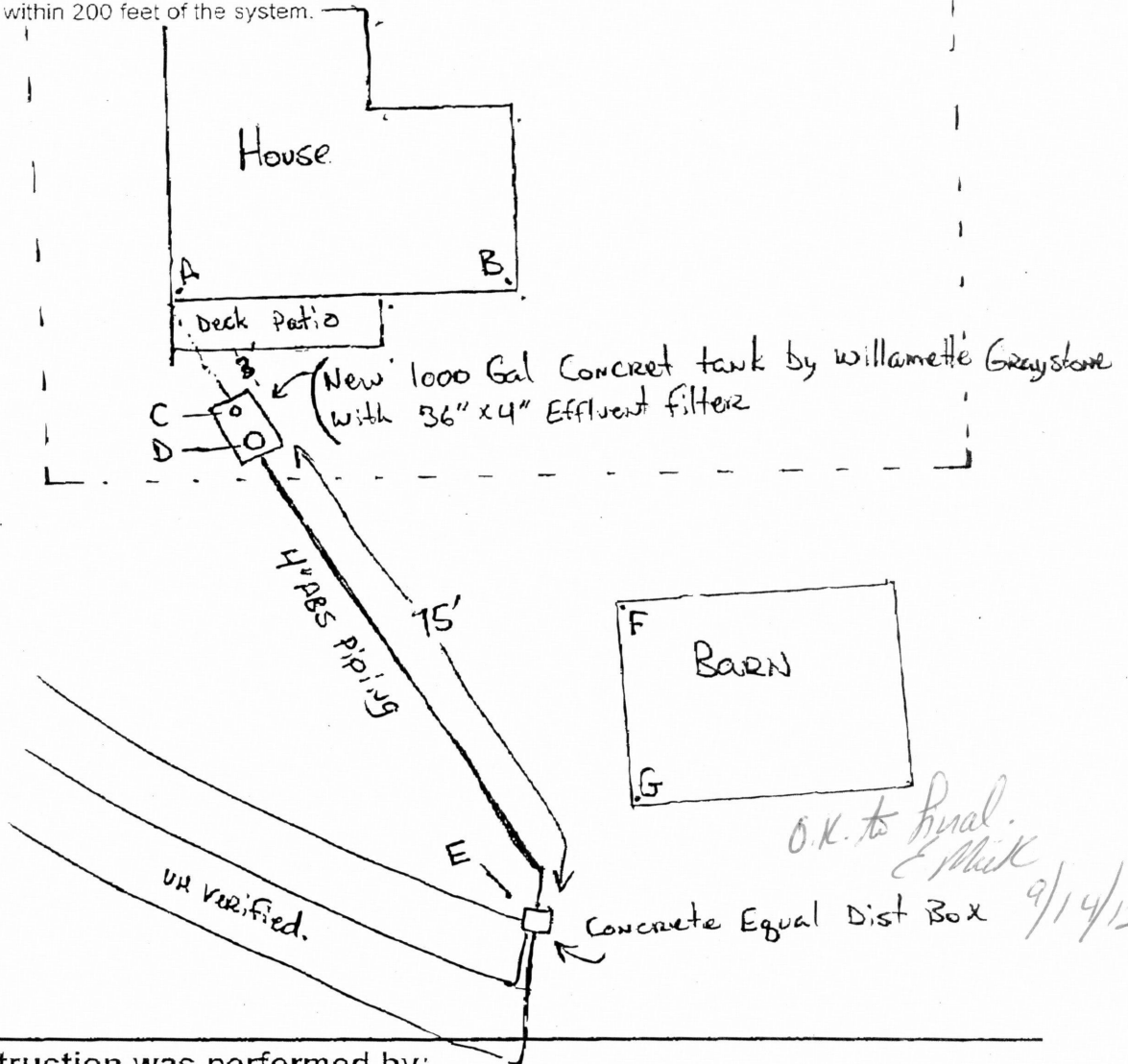
A-D = 30'

B-C = 39'

B-D = 40'

E-F = 44'

E-G = 28'



1" = 25'

O.K. to final. E. Mick 9/14/12

Section 4: Construction was performed by:

Property Owner (Permittee)

Sewage Disposal Service Name Davis Excavation Inc. DEQ Licence # 38206

I certify the information provided in this notice is correct, and that the construction of this system was in accordance with the permit and the rules regulating the construction of on-site sewage disposal systems (OAR Chapter 340, Divisions 71 and 73).

System Installer's Signature *Clinton Davis*

Title President

Date 9-8-12

City of Portland, Oregon - Bureau of Development Services, Site Services Sanitation Section
Phone: 503-823-6892 • FAX: 503-823-5433 • TTY: 503-823-6868

Address 30608 NE Mershon Rd Troutdale OR 97060 Permit Number 12-127735 SP



City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue • Portland, Oregon 97201 • 503-823-7300 • www.portlandonline.com/bds



Sanitation Final Inspection Request and Notice

Pursuant to the requirements within ORS 454.665, OAR 340-71-170 and OAR 340-71-175, the system installer and/or the permittee must notify the Department of Environmental Quality (or its authorized Agent) when the construction, alteration or repair of a system for which a permit was issued is completed (except for the backfilling or covering of the installation). The Department (or Agent) has 7 days to perform an inspection of the completed construction after the official notice date, unless the Department (or Agent) elects to waive the inspection and authorizes the system to be backfilled earlier. Receipt and acceptance of this completed form by the Department (or Agent) establishes the official notice date of your request for the pre-cover inspection. Please complete all four sections of the form and return it to the office that issued the permit. Forms that are determined to be incomplete will be returned.

Date Received _____

Section 1: Basic Information

Property Owner Debbie Kendall

Permit Number 12-127735 SP County Multnomah Township _____

Range _____ Section _____ Tax Lot _____ Tax Acct _____

Job Location 30608 NE Mershon Rd Troutdale OR 97066

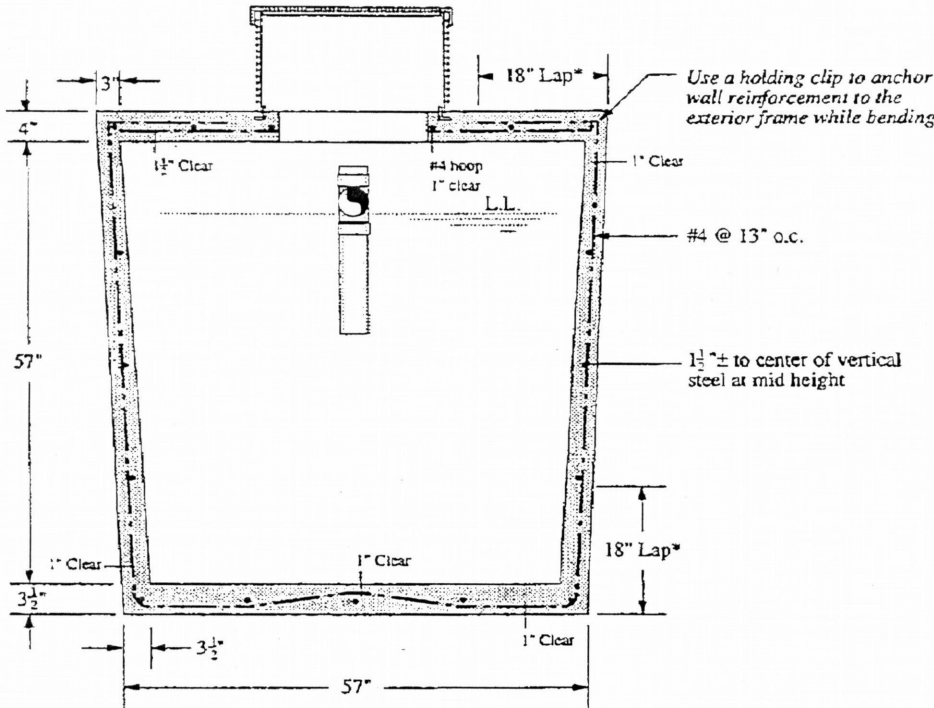
Date System Construction Completed 9-8-12 Date Submitted to DEQ or Agent 9-9-12

Section 2: Materials List - Identify and list all materials used in the system's construction.

- Old Steel tank Decommissioned by Removal
- * New 1000 Concrete tank by willamette Greystone.
- * 4"x 36" Effluent Filter
- * all 4" ABS Replacement Piping
- * 18 Ga Green tracer wire

continued on back

12-127735 SP



END VIEW

General Notes:

Tank Volumes: Total Volume: 1200 gal±
 Operating Volume: 1000 gal±
 Average unit volume full depth: 21 gal/in±
 Unit volume at typical operating depth: 22 gal/in±

Loads: Top = 400 psf
 Lateral Load = 62.4 pcf
 Concentrated Wheel Load = 2500 lb.
 The septic tank shall be capable of withstanding long-term hydrostatic loading, in addition to the soil loading, due to a water table maintained at ground surface.
 Soil Bearing = 1500 psf (re-evaluate support base if soil bearing is less or unequal)

Concrete: The walls and bottom slab shall be poured monolithically.
 Reinforcing steel shall be ASTM A-615 Grade 60, fy = 60,000 psi.
 The concrete shall achieve a minimum compressive strength of 4,000 psi in 28 days; fc = 4,000 psi. Concrete shall be ready mix with cement conforming to ASTM C-150, Type II. There shall be a content of not less than six and one half (6 1/2) sacks per cubic yards and maximum aggregate size of 3/4 inch. Water/Cement ratio shall be kept below 0.4, (W:C 0.35±). Air-entraining agents and fibrous reinforcement will enhance workability, curing and watertightness of the tank; however, their usage is optional.

Tanks shall not be moved from the manufacturing site to the job site until the tank has cured for seven (7) days, or has reached two-thirds of the design strength. Proper curing techniques must be used to ensure watertight tanks.

Installation: Installation, bedding, compaction, etc., shall be in strict compliance with the manufacturers standards and state of Oregon's on-site rules 340-71 and 73. All tanks shall be set level on a minimum 3 inch thick compacted sand or approved granular bedding overlying a firm uniform base. The base shall be stable and uniform in order to ensure equal bearing across the tank bottom. Installations with 30 inches or less of ground cover may require additional buoyancy considerations as described in the manufacturers instructions. A minimum cover of 12 inches is required over the tank in areas subject to occasional light wheel loads.

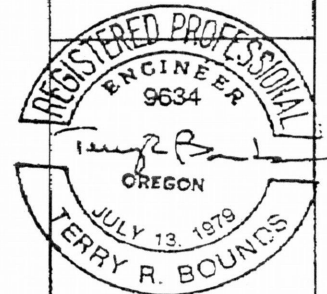
Test: Tanks shall be tested and certified watertight per Oregon On-Site Rules 340-71 and 73.

Tank Markings: Place marking on the upper most surface over the outlet.

Liquid capacity: 1000 gal.
 Max burial depth: 4ft
 Max traffic (wheel): 2500 lbs.
 Date manufactured: _____
 Permit no.: _____

Willamette Graystone Inc.
 P.O. Box 7816
 Eugene, OR
 97401
 Phone: 503-726-7666

Oreco Systems Inc.
 814 Airway Avenue
 Sutherlin, OR
 97479-9012
 Phone: 503-459-4449



Willamette Graystone Inc. Eugene, OR 1000 Gallon Septic Tank	Approved By: TRB P.E.	Designed By: TRB P.E.	Project #:	Revision #:
	Drawn By: CDV	Drawing #: 1 of 4	Date: 5/19/95	Scale: 1" = 2'
	Date: 5/19/95	Project #:	Revision #:	Scale: 1" = 2'
	Scale: 1" = 2'	Project #:	Revision #:	Scale: 1" = 2'

atching lid and
 ed
 200 when depth
 a permanent and
 ened at all times
 pting to riser.
 ogether w/ PVC
 ad around PVC
 f riser cast into
 anitary tee
 ge of
 if wall

Fax to 503 823-5433



Goodman Sanitation, Inc.

931 NE Harlow Place ~ Troutdale, Oregon 97060

DEQ#34611P-1
www.goodmansanitation.com

Invoice

CALLER <i>Clint</i>	DATE/TIME <i>8/24</i>
PHONE NO <i>6459570</i>	ORDER TAKEN BY <i>Cheresa</i>
ALT PHONE	\$ QUOTED

Troutdale/Gresham: (503) 666-2280
Hoodland: (503) 622-1111
Damascus: (503) 658-3922

SERVICE ADDRESS: *30608 NE [REDACTED] MERSTON*

CORBETT/Troutdale COUNTY: *Wmuel*

BILLING NAME/ADDRESS (if different): *Debi Kendall
Davis Excavation Inc.*

JOB DESCRIPTION:

<i>pump log abandonment</i>	<i>404</i>

PUMPING TOTAL: _____
LABOR: _____
TRAVEL: _____

Monday

DATE SCHEDULED: <i>8-27</i>	TIME: <i>Last</i>
TECHNICIAN: <i>Colbey</i>	DATE COMPLETED: <i>8/27/2012</i>

SIGNATURE (I hereby acknowledge the completion of the above described work) PAY THIS AMOUNT: *404*

X *[Signature]*
Thank You, We Appreciate Your Business!

Willamette Graystone

www.willamettegraystone.com

2105 NE 24TH AVE
Wood Village OR 97060
PH (503) 669-7619

FAX (503) 669-7619

ORDER #:	640064
DATE	PAGE NO.
08/24/2012	1

Pax to

SOLD TO:
DAVIS EXCAVATING INC
29203 SE HOWARD ROAD
CORBETT, OR 97019

SHIP TO:
30605 NE MERSON ROAD
CORBETT, OR 97019
503-695-5737

EUGENE, OR (541) 687-1214 FAX (503) 695-5737

CUSTOMER NO.	CUSTOMER P.O. #	SALESPERSON	DRIVER / SHIP VIA.	CLINT	ORDER #	DAVIS
616468	DEL. TUES 8/28	Richard	7:00 AM	Deb.		
					QUANTITY	PRICE <i>2% 10th, Net 30th</i>
						AMOUNT
TS1000 TANK SEPTIC 1000 GALLON					1	
FT0444 FTS0444-36V URENCO 4" BIOTUBE FILTER W/ VENT					1	
16010004 HG LOGO 24" DIA RISER LID W/BOLTS					1	
EPADHP10 ADHP10 RISER EPOXY 1 PINT (WELD-ON 810)					1	<i>aviation</i>
DELIVERY Delivery Charge						
FTLIDA TANK 8" FIBERGLASS INSPECTION PORT LID					1	
FERNCO 252924 4" FERNCO COUPLERS					2	
Total Ship Units: 0.000 LB						
34.360 LBS						
					INVOICE TOTAL	



LOADED BY	DRIVER OUT	DRIVER IN	RECEIVED BY

NO RETURNS ON SECONDS, CULTURE STONE,
STONE OR USED BRICK
NO RETURNS OR REFUNDS WITHOUT INVOICE
SEE REVERSE FOR WARNING

30608 NE MERSHON RD
12-127735-000-00-SP

3165923

On-Site Sewage Disposal/Alt Permit
Issued: 4/13/12

City of Portland BDS

INSPECTION REPORT

Single Family Dwelling/Minor Repair
Occupancy: Const. Type:

IVR Number: 3165923

Inspection Code: 836

Inspection:

836 Septic Tank (971) 645-9570

Call Date/Time: 9/9/2012 22:31:20 Requested Date/Time: 9/12/12 AM

Tank Replacement - 1000 gallon
Willamette Concrete to existing
DF. Must uncover di-box for
location and function check. PT
from COG prior to final.

Owner:
FREDERICK F KENDALL

Owner:
FREDERICK F KENDALL

Owner:
DEBORAH M KENDALL

Owner:
DEBORAH M KENDALL

Decommissioning Subsurface
Sewage Sys Zoning
Enforcement Agency: TBD
Zoning - Property (1): TBD
Water Source: Public
Proposed Use of Property: Single
Family Dwelling # of
Bedrooms: 3 Septic Tank: 1

Most Recent Inspections:
09/10/12 836 4 DA

1	Approved
2	Partially Approved
3	Approved with Corrections
4	Rollover/Missed
5	Not Approved
6	Consultation Completed

No Access	1
Stop Work Order Issued	2
Not Ready	3
Could Not Locate	4
See Correction Notice on Job Site	5
No Plans on Job	6
No Permit Card on Job	7
Fees Owed	8
Subcontractor Information Missing	9
Cancelled by Customer	0

Confirmation: #258199 Inspector/Date/Time/Phone
Gen Put 823-5971 9/12/12

*New 1000gal Willamette, under test
& good. 27" ball rises as surrounding grade
to be shaved a bit. Not over 3" or 4"*

*"Top" line didn't take any test but other
two lines took well. Drain field
OK but is on borrowed time.
New distribution recommended
as this one is fairly corroded but
thick walled.*

*Rec'd ~~as built~~ as built + used lot
→ Just need pump rec't to burial
503-823-5971*

Fees Paid		
Repair Permit - SFD	\$372.00	DEQ Surcharge \$60.00



CITY OF
PORTLAND, OREGON
 BUREAU OF DEVELOPMENT SERVICES
 1900 SW 4th Ave., Suite 5000
 Portland, OR 97201



ON-SITE SEWAGE DISPOSAL/ALT PERMIT

12-127735-000-00-SP

Site Address: 30608 NE MERSHON RD

Issued: 4/13/12

PROJECT INFORMATION		Occ. Group	Const. Type
Single Family Dwelling	Minor Repair		
Project Description: Tank Replacement - 1000 gallon Willamette Concrete to existing DF. Must uncover di-box for location and function check. PT from COG prior to final.			

APPLICANT	NONE	Phone
PROPERTY OWNER	FREDERICK F KENDALL & DEBORAH M KENDALL	Phone
CONTRACTOR	DAVIS EXCAVATION	Phone

<p align="center">Project Details</p> <p># of Bedrooms 3</p> <p>Proposed Use of Property Single Family Dwelling</p> <p>Zoning - Property (1) TBD</p>		<p align="center">Project Details</p> <p>Decommissioning Subsurface Sewage Yes</p> <p>Septic Tank 1</p> <p>Zoning Enforcement Agency TBD</p>	
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All work to conform to requirements of Oregon Administrative Rules 340.71 and 340.73 governing on-site sewage disposal. All work shall be performed by the property owner or by a licensed installer. Permits are only transferrable by reapplication. Post permit on site until work is completed.

BEFORE YOU DIG ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is 1-800-332-2344).

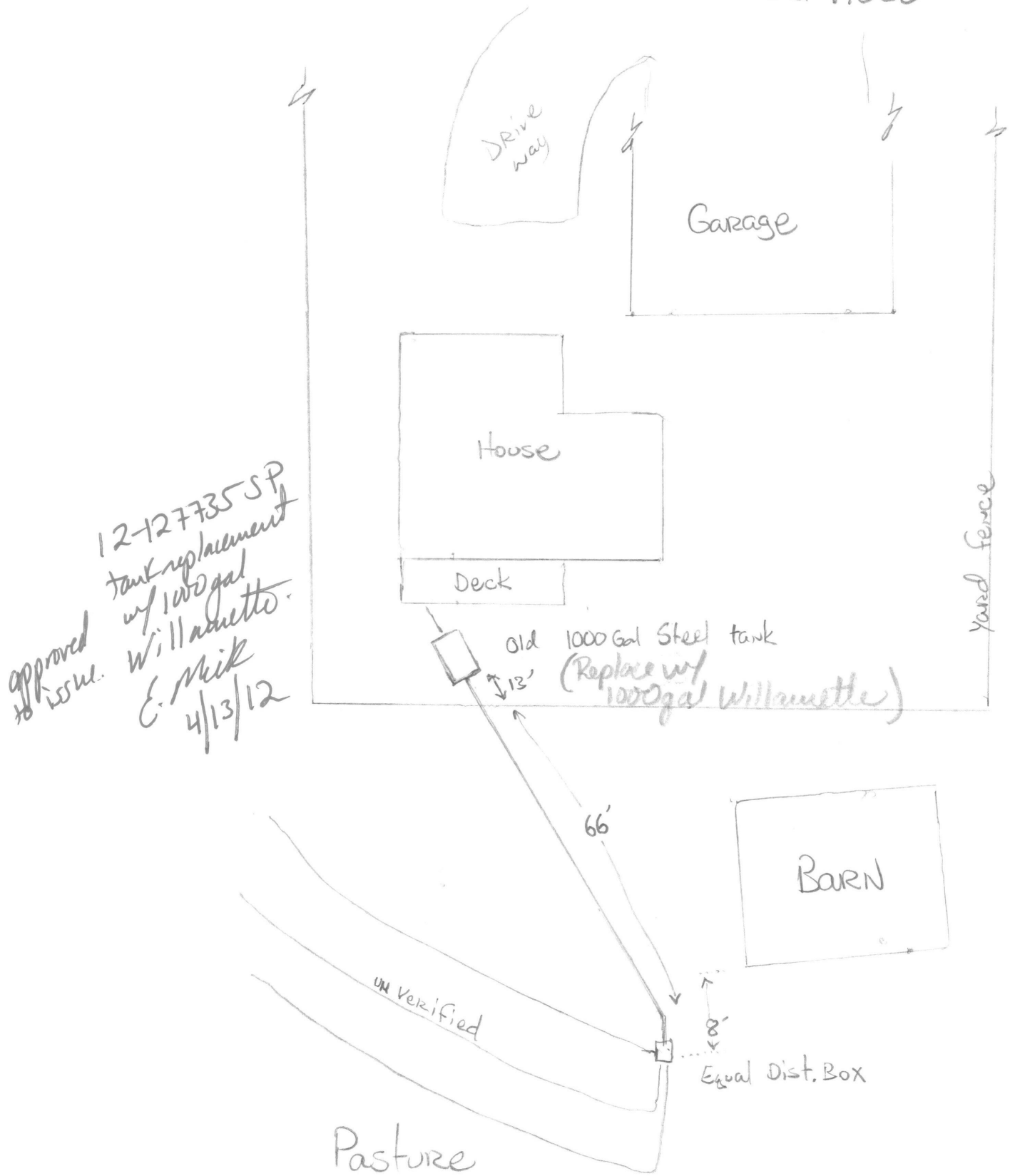
CITY CONTACT E-Mail: Phone: Fax: (503) 823-4172

INSPECTION REQUEST PHONE NUMBERS Sanitation Inspections - Call Before 6:00 AM: (503) 823-7000

TDD: (503) 823-6868

IVR Inspection Request Number: 3165923

30608 NE MERSHON Rd Troutdale OR 97060

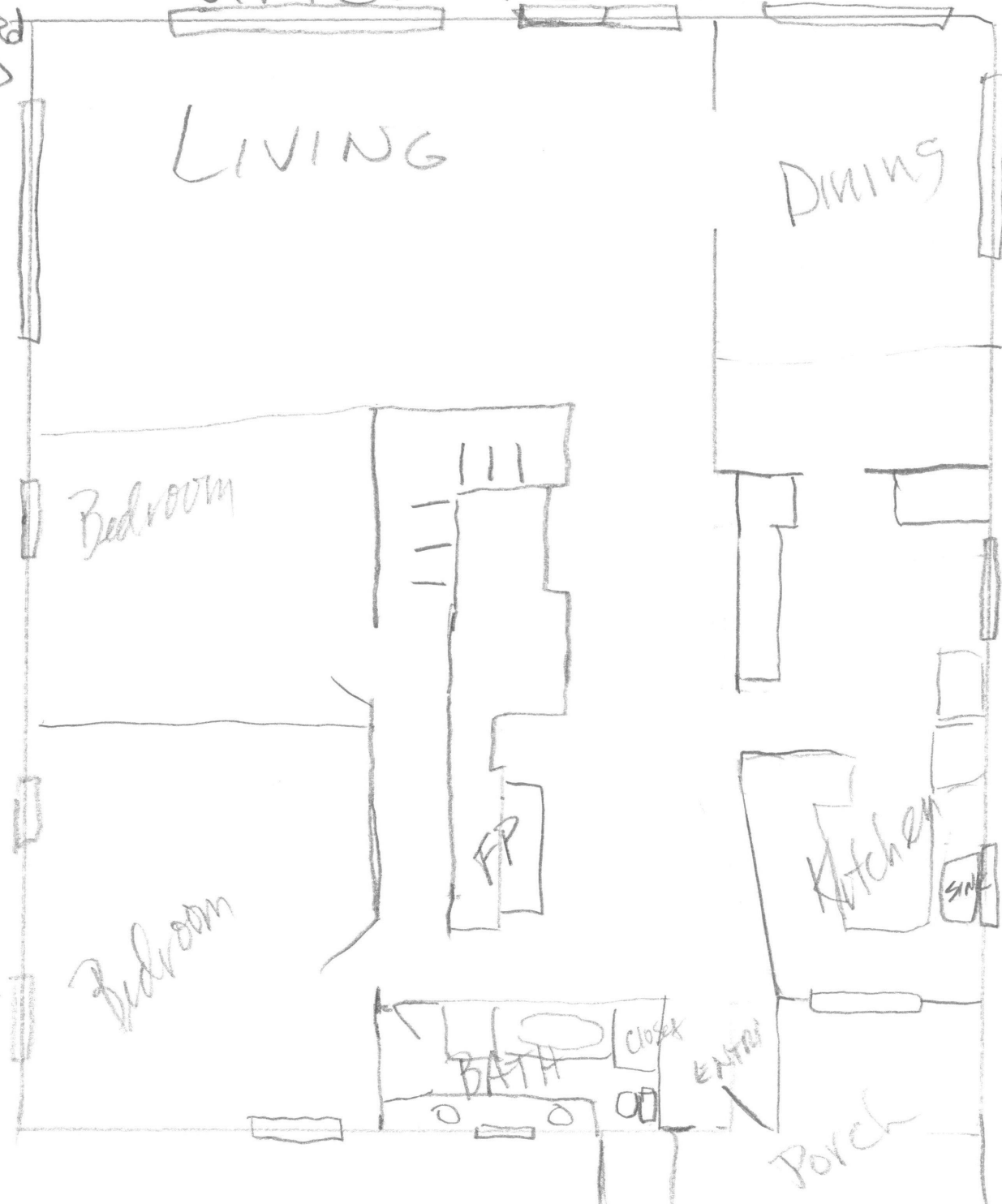


Kendal
30608 NE Marshon Rd
Troutdale OR. 97060

UPPER FLOOR

Dimension
Approx

Upper Floor
Sits atop
Lower Floor



Kendal
30608 NE Marshon Rd.
Troutdale OR 97060

LOWER FLOOR (DAYLIGHT BSMT)



↑
Main bath
SITS a top
Furnace room

12-127735 SP
4/9/12 DA



ONSITE SANITATION City of Portland – Bureau of Development Services
1900 SW 4th Avenue, Portland, Oregon 97201 – 503-823-7363 – TTY 503-823-6868 – www.portlandoregon.gov/bds

INSTALLATION PERMIT APPLICATION

Category	
<input checked="" type="checkbox"/> 1 & 2 Family Dwelling	<input type="checkbox"/> Multi-Family
<input type="checkbox"/> Accessory Building	<input type="checkbox"/> Comm'l/Industrial
Job Site Information and Location	
Property Owner:	Debbie Kendall
Job Address:	30608 NE MERSHON Rd
City/State/Zip:	TREUTDALE OR 97060
Street/Cross Street:	OGDEN Rd. 1/4 mile west.
Legal Description:	1N4E32C
Size/Acreage of Parcel:	4.83
Domestic Water Source:	Private <input type="checkbox"/> Public <input checked="" type="checkbox"/>
Project/System description:	
Land Feasibility Study (LFS) #	
Existing System: ?	Existing # of Bedrooms 3
Tank: 1000 Gal Steel	
System Type: Gravity	
Drainfield Dispersal Method: Equal Dist. Box	Lineal Feet ? 225-300 ?
Proposed System: Tank Replacement	Proposed # of Bedrooms 3
Tank: 1000 Gal Willamette Geogstone Precast Concrete	
System Type: Gravity	
Drainfield Dispersal Method: Equal Dist Box	Lineal Feet _____
Installer	
Business Name:	Davis Excavation INC
Installer Name:	Clint Davis
Address:	36250 SE Gordon Creek Rd.
City/State/Zip:	Corbett OR 97019
Phone: 503 695-5737	FAX: Same
DEQ Lic #: 38206	CCB#: 96056
Authorized Signature:	Date: 3-28-12
Applicant	
Name:	
Address:	
City/State/Zip:	
Phone:	FAX:
E-mail:	
Signature:	Date:
Sanitation Fees	
NOTE: DEQ surcharge applies to ALL installation permits	Subtotal 372
	DEQ Surcharge 60
	TOTAL \$432

Application Submittal Checklist
Applications must be complete with all the submittals indicated. Only complete application packets will be accepted for review. See back side for additional description of required submittal
FOR ALL PERMITS:
<input type="checkbox"/> Completed Application Form
<input type="checkbox"/> Scaled, legible & detailed site plan
<input type="checkbox"/> Floor Plans
<input type="checkbox"/> DEQ approved tank spec sheet
<input type="checkbox"/> Water supply source & line location (<input type="checkbox"/> public <input type="checkbox"/> private)
<input type="checkbox"/> Property Address from Multnomah County
DRAINFIELDS:
<input type="checkbox"/> Planning & Zoning approval (LUCS form)
<input type="checkbox"/> Beginning, middle & end elevations of each line
<input type="checkbox"/> Drainfield material type
<input type="checkbox"/> Test pit location(s) on SAME site plan
<input type="checkbox"/> Pump calcs & selection (as applicable)
<input type="checkbox"/> Sand Filter construction details (as applicable)
Advanced Treatment Technology (ATT)
<input type="checkbox"/> Signed O&M contract
<input type="checkbox"/> DEQ approved spec sheet

PERMIT FEES		
Description	Qty	Fee
Single Family Construction – (New Installation Permit)		
Standard Septic Tank/Drainfield		\$ 1,705
Sand Filtration		\$ 2,317
Advanced Treatment Technology		\$ 2,317
Capping Fill		\$ 2,317
Pressure Distribution		\$ 2,317
Seepage Trench		\$ 1,705
Tile Dewatering		\$ 2,317
Gray Water Waste Disposal Sump		\$ 874
Other (Redundant and Steep Slope)		\$ 1,705
Single Family (Repair/Replacement Permit)		
Septic Tank (only) – minor	1	\$ 372
Septic Tank/Standard Drainfield – major		\$ 751
Septic Tank/Non-Standard Drainfield – major		\$ 1,021
Commercial/Multi-Family Construction – (New Installation Permit)		
Standard Septic Tank/Drainfield		\$ 1,705
Sand Filtration		\$ 2,317
Advanced Treatment Technology		\$ 2,317
Alternative & Non-Standard System		\$ 2,317
Holding Tank		\$ 1,705
Commercial/Multi-Family (Repair/Replacement Permit)		
Septic Tank (only) – minor		\$ 874
Septic Tank/Standard Drainfield - major		\$ 1,705
Alternative & Non-Standard System		\$ 2,317
Holding Tank		\$ 1,705
Large Systems (over 601-2,500 gpd)		
Plan Review		\$ 1025
Additional charge per 500 gallons (# of 500 gallons)		\$ 216
Alteration Permit (expansion/relocation)		
Septic Tank/Drainfield – major		\$ 1,714
Septic Tank (only) – minor		\$ 874
Reinspection fee		
Reinspection Fee (commercial or residential)		\$ 184
Miscellaneous		
Third and Subsequent Checksheets		\$ 167
Work without Permit (two times the permit fee)		
DEQ Surcharge		
Applies to ALL Installation Permits		\$ 60

Issued permit will be mailed to the applicant listed on the application
Allow up to 20 working days after complete submittal for review of your application

Additional Details on page 2