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ANX
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17-04205

CS
P21

(0600) SR0213835

6/23/2020 2415

RECEIVED

AUG 08 2018

Tacoma-Pierce County Health Department



On-Site Sewage Record Drawing Application

Site Information

Name Jake Fournier
 Address 12611 110TH AV NW
 City Gig Harbor State WA Zip 98329
 Parcel 0122281002
 Subdivision _____

Owner

Name Jake Fournier
 Address 8462 S 16TH ST
 City Tacoma State WA Zip 98465
 Phone (253) 330-0890
 Lot _____

Community System: Yes No

Community System Name _____

Community System Address _____

Designer

Name Lawrence Purdum
 Address PO Box 801
 City Gig Harbor State WA Zip 98335
 Phone (253) 509-9922

Installer

Name Kat Trax, LLC
 Address 14198 Colony Ave SE
 City Port Orchard State WA Zip 98367
 Phone (253) 858-5644

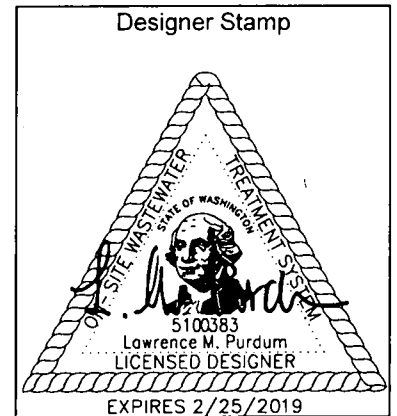
REQUIRED FOR ALL RECORD DRAWINGS

Incomplete packages will be assessed a re-submittal fee.

- Record Drawing (four copies stamped by the certified Designer or Professional Engineer)
- Copy of Installation Permit signed and dated by both the Designer and Installer
- Backfill Notification Form signed and dated by the Installer

AS APPLICABLE FOR RECORD DRAWINGS

- Maintenance or Service Contracts for Aerobic Treatment or proprietary devices
- Recorded Attenuation Zones or Easements
- Septic Tank Decommissioning form and pumping receipt
- Change of Designer form
- Any supporting documentation required at the time of design approval
- Payment of outstanding fees
- Redesign/Final Record Drawing Application and fees



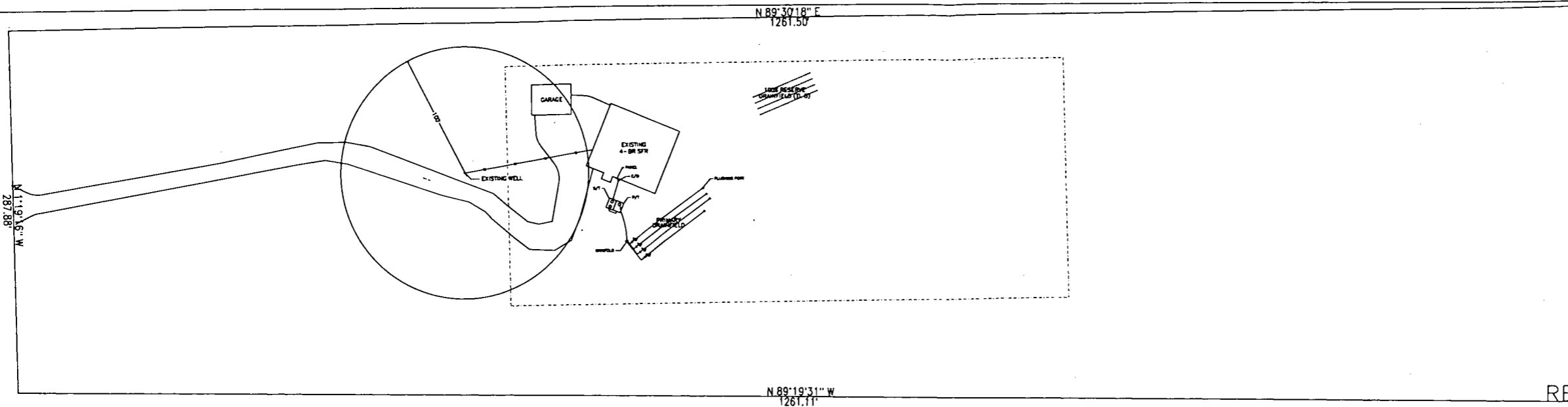
I hereby certify that the accompanying Record Drawing depicts the on-site sewage disposal system installed at the above-referenced address. I inspected the on-site sewage disposal system prior to backfill and final cover and determined that it appears to comply with all requirements and restrictions of the approved on-site sewage system design.

Designer L.M. Purdum Date 8/7/2018

HEALTH DEPARTMENT USE ONLY

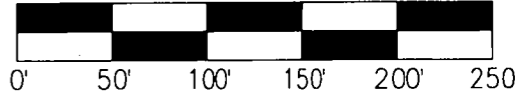
Accepted Date 8/14/18 EHS Signature Kristen Farley

Information submitted is subject to Public Records Act, Chapter 42.56 RCW.



RECORD DRAWING (OVERVIEW)

SCALE: 1" = 100'



OSS INFORMATION:

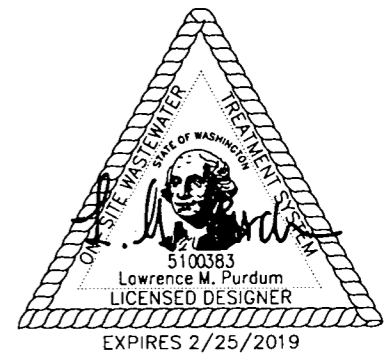
OSS TYPE: PRESSURE DISTRIBUTION
 DAILY SEWAGE FLOW: 480 GPD
 DRAINFIELD INFILTRATIVE SURFACE: 810 SQ FT
 DRAINFIELD LENGTH: 270 LF
 DRAINFIELD CONSTRUCTION: HANCOR ARC 36 CHAMBERS
 LATERAL PIPE SIZE: 1-IN
 ORIFICE SIZE: 1/8-IN
 ORIFICE SPACING: 48-IN
 TRENCH INSTALLATION DEPTH: 12-IN
 ADDITIONAL DF COVER: 12-IN

PUMP CONTROL PANEL: RHOMBUS IFS 11W114H4AD8AC17J
 PUMP: LIBERTY 290
 DRAWDOWN: 2" / MIN
 PUMP FLOW: 44 GPM
 RESIDIAL HEAD AT LAST ORIFICE: 5 FEET
 ON TIME: 109 SECONDS
 OFF TIME: 4 HRS
 GALLONS PER DOSE: 79.89
 DOSES PER DAY: 6
 MAXIMUM DAILY SEWAGE FLOW: 479.34 GPD
 CC: 000002
 ETM: 00000:01

SEPTIC TANK: HAGERMAN PRECAST, 1,000- GAL, CONCRETE 2-COMPARTMENT
 PUMP TANK: HAGERMAN PRECAST, 1,250- GAL, CONCRETE

INSTALLER: KAT TRAX, (253) 858-5644

PROPERTY OWNER NOTE:
 Carefully review ALL aspects of this septic design. ANY costs incurred due to changes to this design after submission to TPCHD and Dev. Eng. are the sole responsibility of the property owner.



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 Health Department

Accepted OSS Record Drawing

AUG 11 2018 *KF*

**Tacoma-Pierce County
 Health Department**

Approved Br/GPD 4/480

CLIENT:
 JAKE FOURNIER
 (253) 330-0890

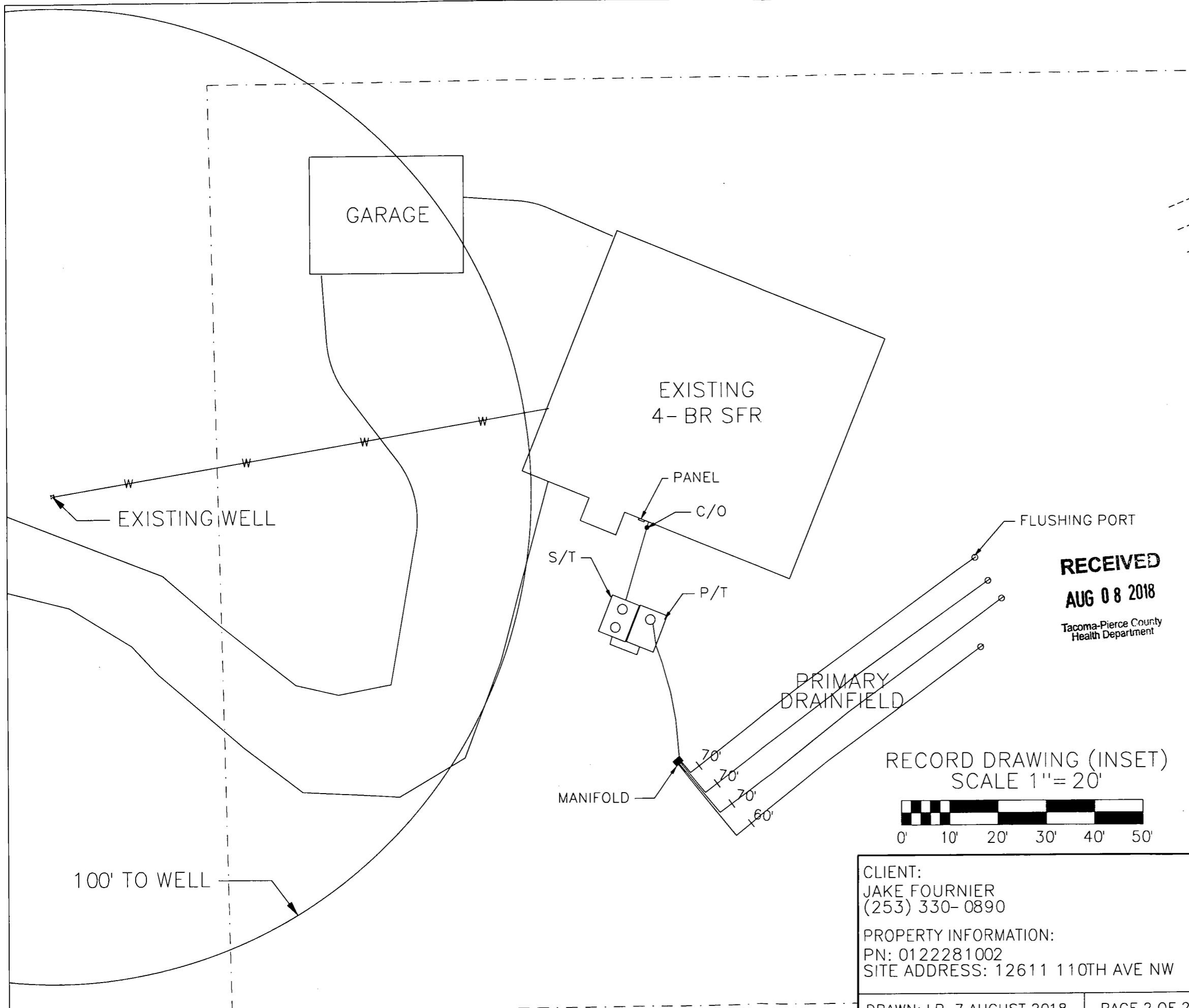
PROPERTY INFORMATION:
 PN: 0122281002
 SITE ADDRESS: 12611 110TH AVE NW

DRAWN: LP, 7 AUGUST 2018 PAGE 1 OF 2

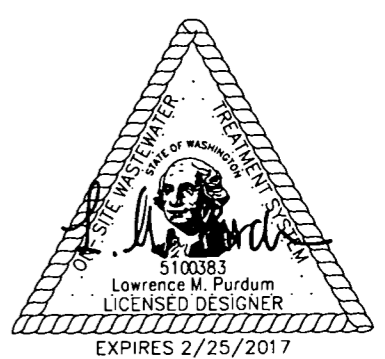
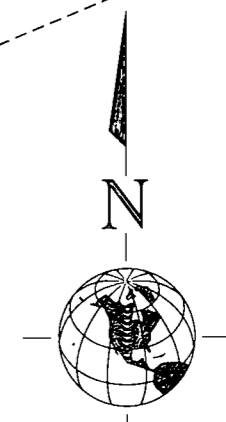
THIS IS NOT A SURVEY. ALL PROPERTY LINES / BOUNDARIES
 HAVE BEEN DEMONSTRATED BY THE PROPERTY OWNER / AGENT.



PO Box 801, Gig Harbor, WA 98335 253.509.9922



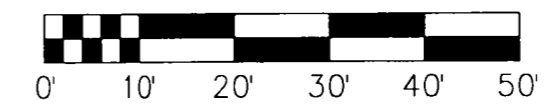
100% RESERVE
DRAINFIELD (TL B)



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Tacoma-Pierce County
Health Department

PRIMARY
DRAINFIELD

RECORD DRAWING (INSET)
SCALE 1" = 20'



Accepted OSS Record Drawing

AUG 11 2018 *KF*

**Tacoma-Pierce County
Health Department**

Approved Br/GPD 4/480

CLIENT:
JAKE FOURNIER
(253) 330-0890
PROPERTY INFORMATION:
PN: 0122281002
SITE ADDRESS: 12611 110TH AVE NW



FINAL INSPECTION

DATE: 03/07/2018

SR#: SR0213835

SITE: 12611 110th AVE NW

APPLICANT: Jacob & Jamie Fournier

DESIGNER: Apex Septic Design LLC

INSTALLER: Kat Trax LLC

COMMENTS:

DATE ASSIGNED _____ EHS _____

DATE FIELD VISIT _____ EHS _____

INSPECTED: _____ YES NO

REASON NOT INSPECTED

COVERED _____ NOT ACCESSIBLE _____

OTHER Steffen

RED TAG _____ FINAL OK _____

SITE DRAWING



Tacoma-Pierce County
Health Department
 Healthy People in Healthy Communities

**SEWAGE SYSTEM INSTALLATION
 PERMIT**

3629 South D Street Tacoma, WA 98418 (253) 798-6470

Expiration Date: 06/23/2020

Permit #: SR0213835

Site Address: 12611 110th AVE NW
 Parcel #: 0122281002
 Subdivision:
 Lot & Block:

Tacoma-Pierce County
 Health Department

1/30/2018 10:00:30 AM
 0122281002

Installation Permit
 12611

Request # 190572

12/30/16 Joseph Peterson 12611 110

Pierce County Building Permit #:

Installation Firm: Kat Trax LLC Phone:
 14198 Colony AVE SE
 Port Orchard, WA 98367

All work must be performed in accordance with current laws, ordinances, resolutions, and rules and regulations.
 SYSTEM IS NOT APPROVED FOR USE UNTIL AN ASBUILT IS SUBMITTED AND ACCEPTED.

| | |
|--|--|
| <p>DESIGNER</p> <p>Apex Septic Design LLC Phone: (253) 509-9922 PO BOX 801 Gig Harbor, WA 98335</p> | <p>OWNER/APPLICANT</p> <p>Jacob & Jamie Fournier 8462 S 16th ST Tacoma WA 98465-</p> |
| <p>Date Accepted <u>3/6/18</u></p> <p>Date Disapproved _____</p> <p>_____</p> <p>_____</p> <p><input checked="" type="checkbox"/> <u>Josh Peterson</u> Designer Signature</p> | <p>Date O.K. to Cover _____</p> <p>Date Disapproved _____</p> <p>_____</p> <p>_____</p> <p><input checked="" type="checkbox"/> _____ Sanitarian Signature</p> |

O.K. to cover 3 working days after accepted date unless otherwise indicated by the Sanitarian.

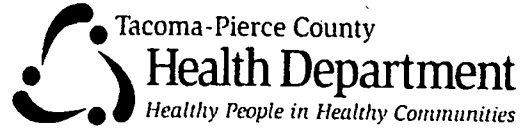
I have complied with all restrictions and requirements as listed and designed by the Certified Sewage Disposal System Designer as indicated on the approved plan (or latest revision thereof), and have complied with the Tacoma-Pierce County Codes on Sewage Disposal System Installation.

| | |
|---|--|
| <p><u>Josh Peterson</u> Please Print Installer Name</p> <p><u>Josh Peterson</u> Installer Signature</p> | <p>Installer Certificate Number <u>3-1-18</u></p> <p>Date of Installation</p> |
|---|--|

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 Tacoma-Pierce County
 Health Department

TO BE POSTED ON SITE - DO NOT ALTER OR DEFACE

Backfill Verification and System Specifications



Site Address 12611 110TH AV NW City Gig Harbor

Parcel Number 0122281002

Installation Firm Kat Trax, LLC Phone (253) 858-5644

System Designer Lawrence Purdum Phone (253) 509-9922

I, Josh Peterson, Certified Installer, was present at the above property supervising placement of the final cover.

Date Covered 3 / 13 / 2018 Minimum Depth of Cover 12" (Range)

Signature [Handwritten Signature] Certification Number CI0003241

Specifications (As applicable)

Septic Tank Manufacturer Hagerman Size 1,000-GAL

Compartments 2 Outlet Filter Manufacturer _____
Model _____

ATU Manufacturer _____ Model _____

Pump Chamber Manufacturer Hagerman Size 1,250-GAL

Pump Manufacturer Liberty Model 290 Volts 115

Squirt Height 60 in., Drawdown 2 in/min gal/min 44

Timer Control Panel Manufacturer SJE RHOMBUS

Model IFS 11W114H4AD8AC17J

"On" Time 109 seconds (min/sec) "Off" Time 4 hours (min/hr)

Gal/Dose 79.89 Number of Doses/Day 6 Counter Number 2

Sand Medium Used (if applicable) ASTM C-33 Coarse Sand Media (DOH Sandlined Trench RS&G)

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Tacoma-Pierce County Health Department



Tacoma-Pierce County

Health Department

Healthy People in Healthy Communities

Application Approved 11/1/2017

Designer

Apex Septic Design LLC
Lawrence (Larry) Purdum
PO BOX 801
Gig Harbor, WA 98335

Applicant/Owner Name

Jacob & Jamie Fournier
8462 S 16th ST
Tacoma, WA 98465

Site Address: 12611 110th AVE NW, Gig Harbor

Application ID: SR0213835

Parcel Number: 0122281002

Application Type: Design - Single Family Residential

Application Received Date: 06/23/2017

Application Expiration Date: 06/23/2020

Water Approval Status: APPROVED 11/1/2017

Issued By: Jeremy Bush, LG, REHS
(253) 798-2885
jbush@tpchd.org

Onsite Septic System Approval Status: APPROVED 7/22/2017

Issued By: Robert Suggs
(253) 798-2868
rsuggs@tpchd.org

Project Status: APPROVED 11/01/2017

Next Steps:

1. Notify your designer/engineer of the name of the certified installation firm contracted to install the septic system. A list of Certified Installation Firms is available on-line at www.tpchd.org/septic.
2. You may **apply** for your building permit by presenting a date-received, stamped copy of the septic system application and design that was submitted to the Health Department. You may purchase and pick up a copy of the submitted application and design at the Environmental Health counter on the second floor at the Health Department.

The building department will only **issue a building permit** with proof that the septic system design and drinking water source has been approved by the Health Department. A copy of this approved application and drawing will be required at the building department.

Final inspection by the building department will require proof of septic system "record drawing" acceptance by the Health Department. The "record drawing" indicates the components of the septic system and where it was installed on the property.

Check your application status online at <https://eco.tpchd.org> and select **Application Status** in the left-hand menu.

On-Site Sewage Development Application



Site Address 12611 110TH AVE NW

Prior Site ADU Primary Address

City Gig Harbor State WA Zip 98329

Parcel Number 0122281002 Lot Size 435,600 (sq. ft.) Lot Number _____

Subdivision Name _____

Plat Recording Number _____ Ave NW

Applicant Jacob & Jamie Fournier Phone (253) 330-0890

Applicant Email jakefournier@gmail.com

Same as Site Address
Mailing Address 8462 S 16th Street

City Tacoma State WA Zip 98465

Designer Lawrence Purdum Designer ID Number 5100383

Application Type:

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> New Development with Design | <input type="checkbox"/> Repair | <input type="checkbox"/> Remodel with Design |
| <input type="checkbox"/> Renewal | <input type="checkbox"/> With Design <input checked="" type="checkbox"/> Tank Replacement Only | <input type="checkbox"/> Residential Remodel |
| <input type="checkbox"/> With Redesign <input type="checkbox"/> Without Redesign | <input type="checkbox"/> High Winter Water Table Review | <input type="checkbox"/> Field Visit <input type="checkbox"/> Office <input type="checkbox"/> Medical Hardship |
| <input type="checkbox"/> Redesign | <input type="checkbox"/> Consultation | <input type="checkbox"/> Commercial Remodel |
| <input type="checkbox"/> Community System Design | <input type="checkbox"/> Community System Connection | <input type="checkbox"/> Field Visit <input type="checkbox"/> Office |

Proposed Use (check all that apply):

- Single Family Residence Additional Residence Multi Family Residence, number of units _____
- Commercial, if food establishment check one: New Existing
- Community System Name _____
Community System Address _____

Project Description Construct new 3-BR SFR with Pressure Distribution OSS sized for 4-BR capacity to allow for future expansion. Water service to be provided by new individual well.

Date soil logs recorded 5/9/2017 Design Flow (GPD) 480

Bedrooms: Existing 0 Proposed 3 Total 3

Garbage Disposal? Yes No Dogs? Yes No Locked Gates? Yes, Code _____ No

Water Supply:

- Individual Well Check one: New Existing
- Public Water System Name _____ System ID _____

"I certify that I am the legal owner of the property or an authorized representative of the property owner and that the information on this application is true and correct. I hereby grant Tacoma-Pierce County Health Department access to this property for inspection(s) related to this application."

Apex Septic Design, LLC / Agent L. M. Purdum 6/19/2017
Print Signature Date

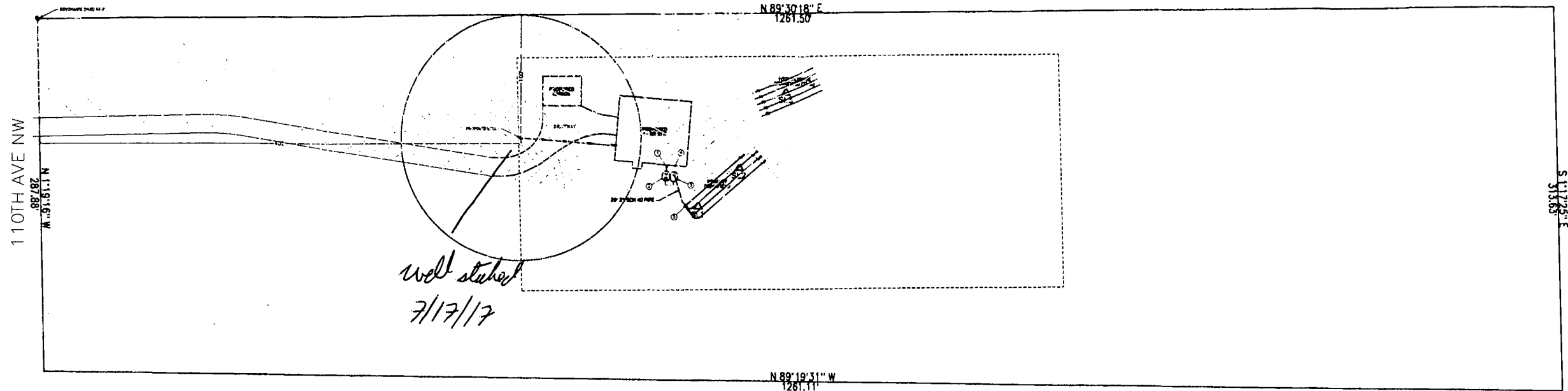
Tacoma-Pierce County Health Department
Health Department
6/23/2017 1:37:21 PM
Clerk 55-T8
Design - Single Family Residence
\$605
Receipt #467102
ck1150 Jaimie Fournier 12611 110th

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Tacoma-Pierce County Health Department

HEALTH DEPARTMENT USE ONLY

Geo Search 0 ON Number 0 Compliance Records 0

Information submitted is subject to Public Records Act, Chapter 42.56 RCW.



SCAN

ortho R48 7/17/17

PROJECT DESCRIPTION:

CONSTRUCT NEW 4- BR SFR WITH PD OSS.
WATER SERVICE TO BE PROVIDED BY NEW INDIVIDUAL WELL

SOIL LOG INFORMATION: 5/9/17

SL1 - TYPE 4: 0.8 GAL / SQ FT / DAY *cege RL 45*
0" - 18": LIGHT BROWN LOAMY FINE SAND
18" - 45": GRAY FINE SAND
COMPACT AT 45" *45+7.11 roots to 45*

SL2 - TYPE 4: 0.8 GAL / SQ FT / DAY *cege RL 35*
0" - 14": LIGHT BROWN LOAMY FINE SAND
14" - 35": GRAY FINE SAND *35+7.11 roots to 35*
COMPACT AT 35"

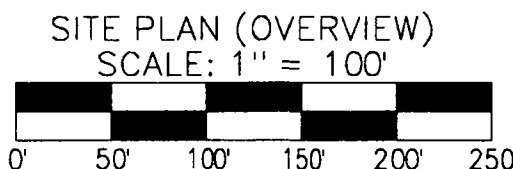
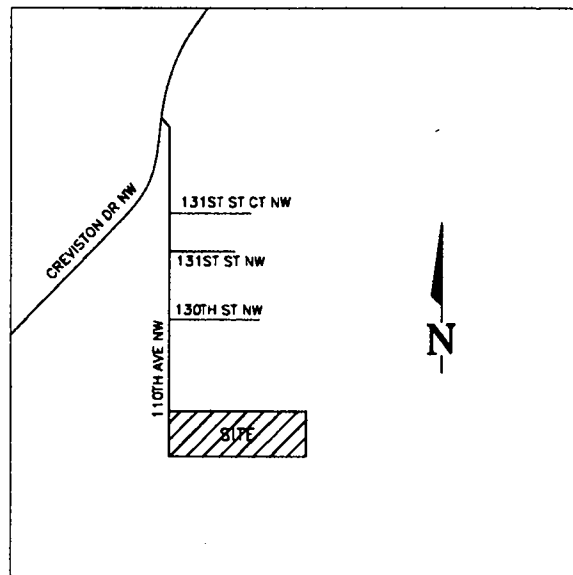
SL3 - TYPE 4: 0.8 GAL / SQ FT / DAY *cege RL 25*
0" - 25": LIGHT BROWN LOAMY FINE SAND
COMPACT AT 25" *25+7.11 roots to 25*

SL4 - TYPE 4: 0.8 GAL / SQ FT / DAY *cege RL 25*
0" - 25": LIGHT BROWN LOAMY FINE SAND
25" - 37": GRAY FINE SAND
COMPACT AT 37" *RL 25 roots to 25*

not labeled in field or driveway

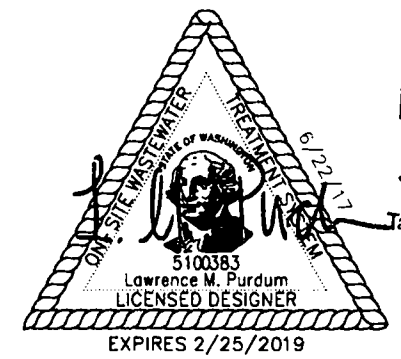
SCAN

VICINITY MAP



PROPERTY OWNER NOTE:
Carefully review ALL aspects of this septic design. ANY costs incurred due to changes to this design after submission to TPCHD and Dev. Eng. are the sole responsibility of the property owner.

SCAN



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Tacoma-Pierce County Health Department

APPROVED
RL
NOV 04 2017
TACOMA-PIERCE COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

LEGEND

- △ = SOIL LOG
- ① = CLEAN OUT
- ② = SEPTIC TANK
- ③ = PUMP TANK
- ④ = PUMP CONTROL PANEL
- ⑤ = HEADER MANIFOLD

CLIENT:
JAKE FOURNIER
(253) 330-0890

PROPERTY INFORMATION:
PN: 0122281002
SITE ADDRESS: 12611 110TH AVE NW

DRAWN: LP, 22 JUNE 2017 PAGE 1 OF 4

NOTE
THE DIRT PROFESSIONAL IS RESPONSIBLE FOR THE SOIL CONDITIONS ON SITE AT THE TIME OF SYSTEM INSTALLATION

THIS IS NOT A SURVEY. ALL PROPERTY LINES / BOUNDARIES HAVE BEEN DEMONSTRATED BY THE PROPERTY OWNER / AGENT. SUBMITTAL OF THIS SEPTIC DESIGN TO TPCHD IS NOT A GUARANTEE OF APPROVAL

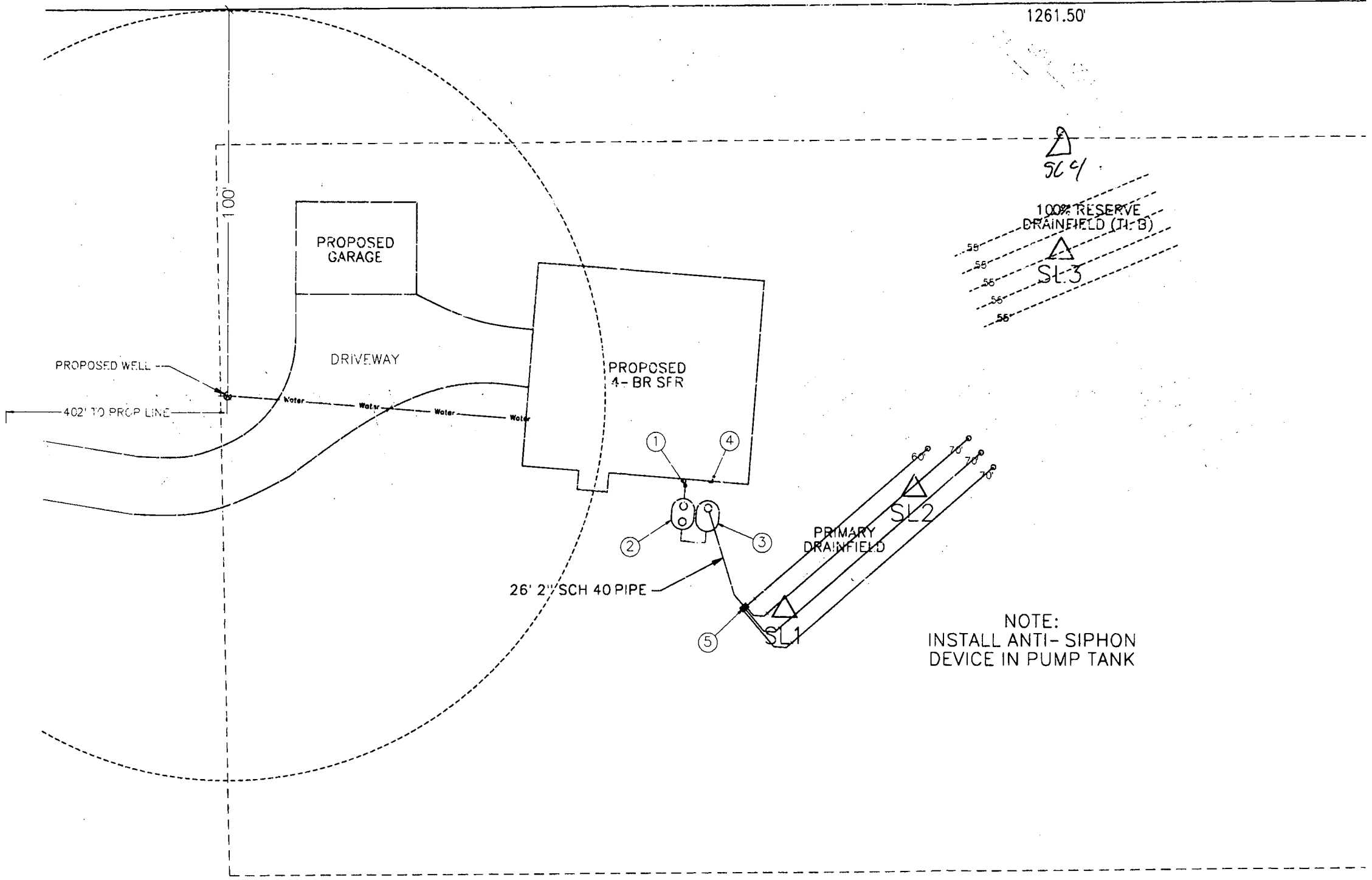


N 89°30'18" E
1261.50'

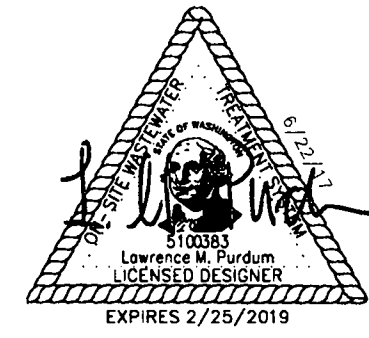


SITE PLAN
SCALE: 1" = 30'
0' 10' 20' 30' 40' 50'

PROPERTY OWNER NOTE:
Carefully review ALL aspects of this septic design. ANY costs incurred due to changes to this design after submission to TPCHD and Dev. Eng. are the sole responsibility of the property owner.



NOTE:
INSTALL ANTI-SIPHON
DEVICE IN PUMP TANK



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Tacoma-Pierce County
Health Department

APPROVED
RM
NOV 04 2017
TACOMA-PIERCE COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

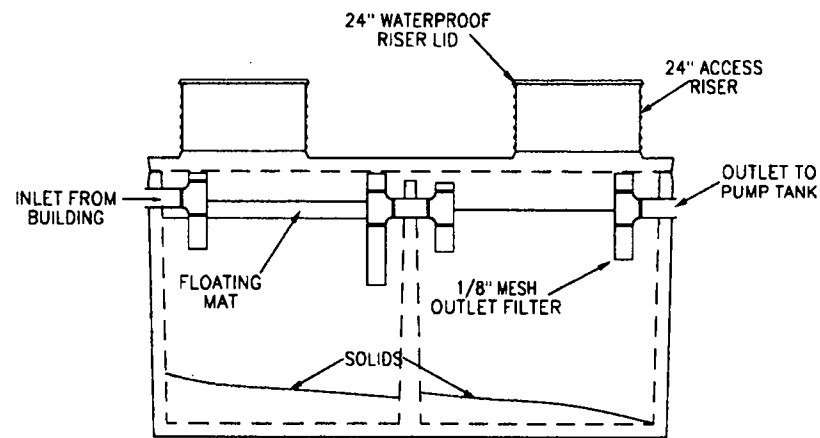
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CONDITIONS ON SITE AT THE TIME OF SYSTEM INSTALLATION
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HAVE BEEN DEMONSTRATED BY THE PROPERTY OWNER / AGENT.
SUBMITTAL OF THIS SEPTIC DESIGN TO TPCHD IS NOT A GUARANTEE OF APPROVAL

| LEGEND | |
|--------|----------------------|
| ▲ | = SOIL LOG |
| ① | = CLEAN OUT |
| ② | = SEPTIC TANK |
| ③ | = PUMP TANK |
| ④ | = PUMP CONTROL PANEL |
| ⑤ | = HEADER MANIFOLD |

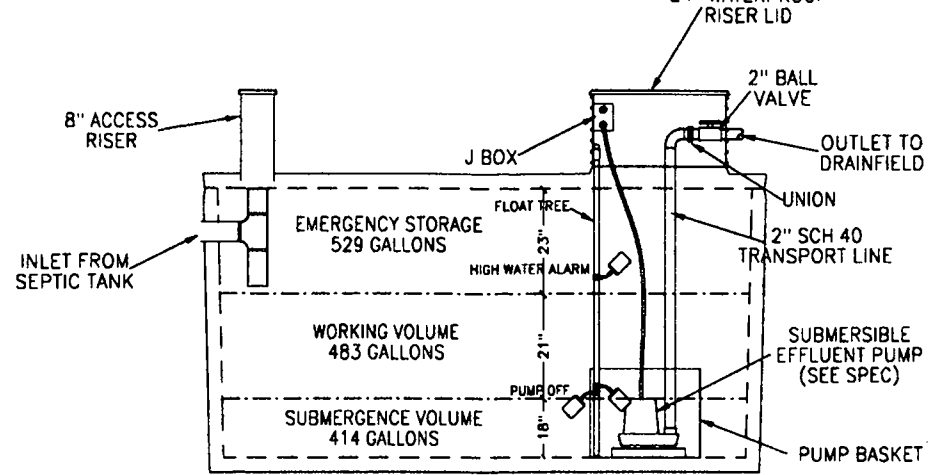
CLIENT:
JAKE FOURNIER
(253) 330-0890
PROPERTY INFORMATION:
PN: 0122281002
SITE ADDRESS: 12611 110TH AVE NW
DRAWN: LP, 22 JUNE 2017
PAGE 2 OF 4



SEPTIC TANK DETAIL

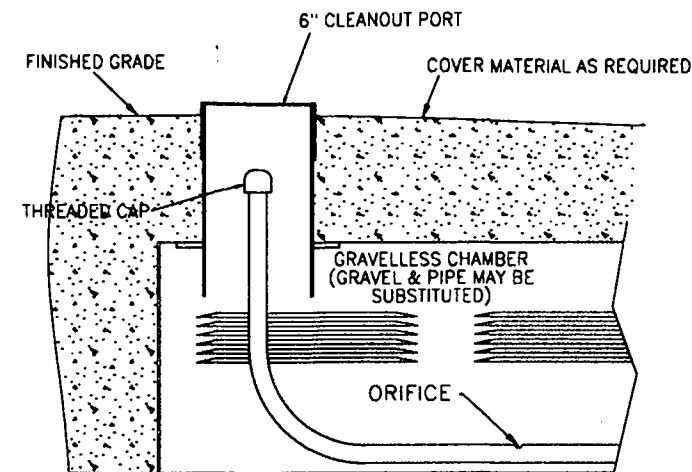


PUMP TANK DETAIL

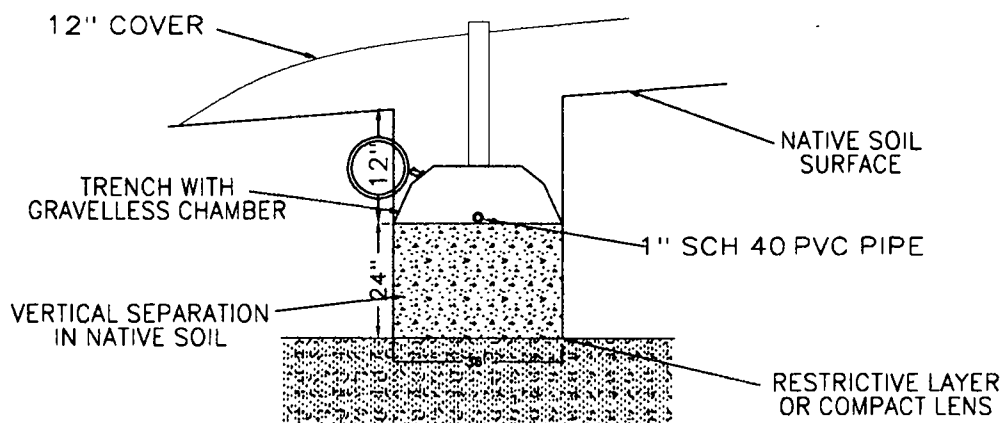


OPERATING VOLUME: 1,261 GALLONS
FLOOD VOLUME: 1,455 GALLONS

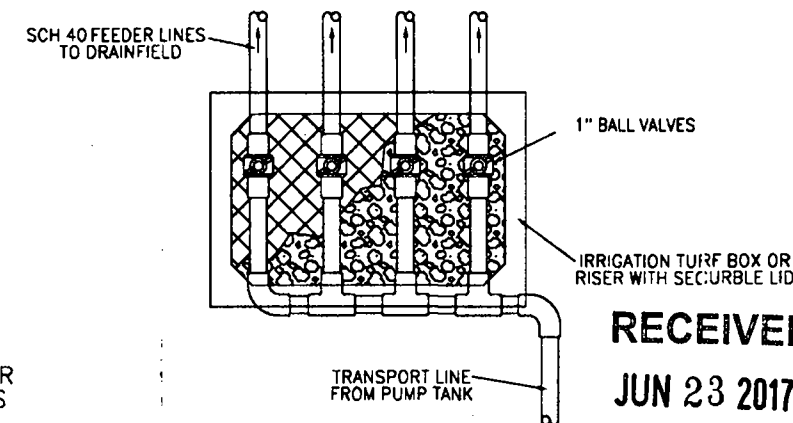
CLEANOUT AND MONITORING PORT DETAIL



PRESSURE TRENCH CROSS SECTION



PRESSURE MANIFOLD DETAIL (TYPICAL)



Pump Selection for a Pressurized System - Single Family Residence Project

Parameters

| | | |
|-----------------------------|------|--------|
| Discharge Assembly Size | 2.00 | inches |
| Transport Length | 26 | feet |
| Transport Pipe Class | 40 | |
| Transport Line Size | 2.00 | inches |
| Distributing Valve Model | None | |
| Max Elevation Lift | 5 | feet |
| Manifold Length | 6 | feet |
| Manifold Pipe Class | 40 | |
| Manifold Pipe Size | 1.50 | inches |
| Number of Laterals per Cell | 4 | |
| Lateral Length | 70 | feet |
| Lateral Pipe Class | 40 | |
| Lateral Pipe Size | 1.00 | inches |
| Orifice Size | 1/8 | inches |
| Orifice Spacing | 4 | feet |
| Residual Head | 5 | feet |
| Flow Meter | None | inches |
| 'Add-on' Friction Losses | 0 | feet |

Calculations

| | | |
|--------------------------------------|------|-----|
| Minimum Flow Rate per Orifice | 0.43 | gpm |
| Number of Orifices per Zone | 72 | |
| Total Flow Rate per Zone | 31.8 | gpm |
| Number of Laterals per Zone | 4 | |
| % Flow Differential 1st/Last Orifice | 7.9 | % |
| Transport Velocity | 3.1 | fps |

Frictional Head Losses

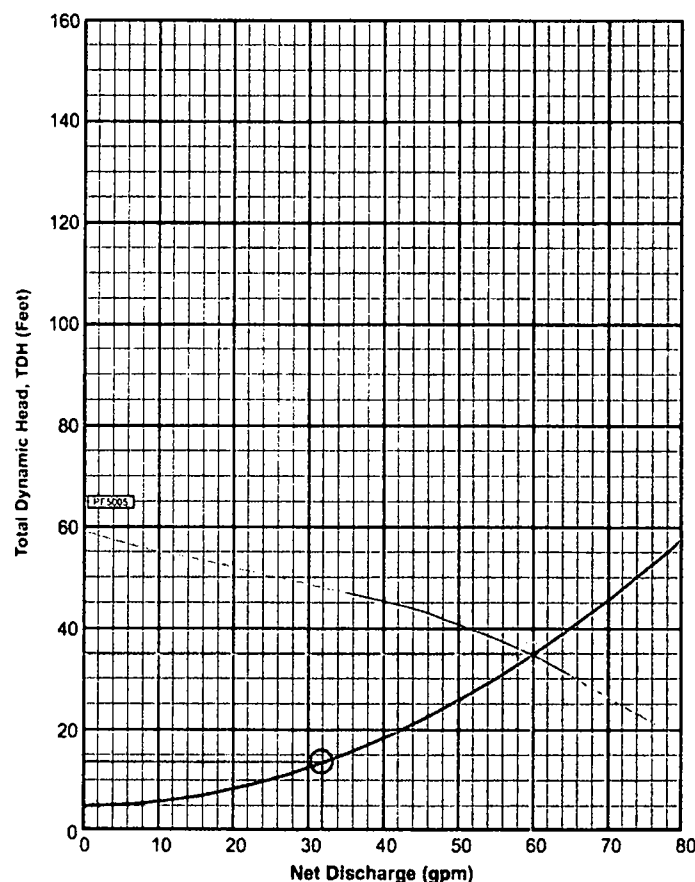
| | | |
|--------------------------|-----|------|
| Loss through Discharge | 2.0 | feet |
| Loss in Transport | 0.5 | feet |
| Loss through Valve | 0.0 | feet |
| Loss in Manifold | 0.1 | feet |
| Loss in Laterals | 0.9 | feet |
| Loss through Flowmeter | 0.0 | feet |
| 'Add-on' Friction Losses | 0.0 | feet |

Pipe Volumes

| | | |
|--------------------------|------|------|
| Vol of Transport Line | 4.5 | gals |
| Vol of Manifold | 0.6 | gals |
| Vol of Laterals per Zone | 12.6 | gals |
| Total Volume | 17.7 | gals |

Minimum Pump Requirements

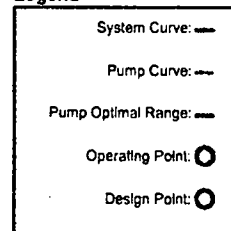
| | | |
|--------------------|------|------|
| Design Flow Rate | 31.8 | gpm |
| Total Dynamic Head | 13.5 | feet |



PumpData

PF5005 High Head Effluent Pump
50 GPM, 1/2HP
115/230V 1Ø 60Hz, 200/230V 3Ø 60Hz

Legend



OSS INFORMATION:

MAX DAILY SEWAGE FLOW: 480 GPD
SOIL APPLICATION RATE: 0.6 GAL/FT²/DAY
INFILTRATIVE SURFACE AREA: 810 SQ FT

LATERAL INFORMATION:

TOTAL DRAINFIELD LENGTH: 270 LF
MAX LATERAL LENGTH: 70 FEET
LATERAL PIPE DIAMETER: 1- IN
PIPE CLASS: SCH 40
ORIFICE SIZE: 1/8- IN
ORIFICE SPACING: 48- IN
TOTAL NUMBER OF ORIFICES: 72
TRENCH INSTALLATION DEPTH: 12- IN
ADDITIONAL COVER MATERIAL: 12- IN

MANIFOLD INFORMATION:

MANIFOLD LENGTH: 6'
MANIFOLD PIPE SIZE: 1.5- IN
PIPE CLASS: SCH 40

PUMP CONTROL PANEL INFORMATION:

SJE- RHOMBUS TD SERIES SIMPLEX

TRANSPORT LINE INFORMATION:

TRANSPORT LINE LENGTH: 26 FEET
TRANSPORT LINE DIAMETER: 2- IN
PIPE CLASS: SCH 40

PUMP INFORMATION:

RESIDUAL HEAD AT LAST ORIFICE: 5 FEET
PUMP CAPACITY: 31.8 GPM
TOTAL DYNAMIC HEAD (TDH): 13.5 FEET

TANK INFORMATION:

SEPTIC TANK SIZE: 1,000- GAL (MINIMUM)
PUMP TANK SIZE: 1,200- GAL (MINIMUM)

ELEVATIONS:

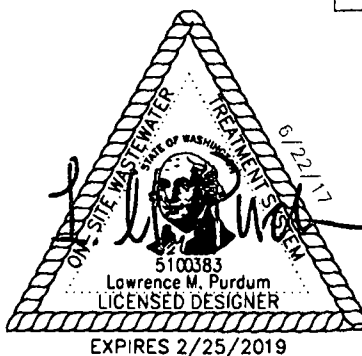
STUBOUT ELEV: 98'
SEPTIC TANK INLET ELEV: 97' 10"
SEPTIC TANK OUTLET ELEV: 97' 9"
PUMP TANK INLET: 97' 7"
PUMP DISCHARGE: 94'
HIGHEST LATERAL ELEV: 96'

RECEIVED
JUN 23 2017

Tacoma-Pierce County Health Department

APPROVED
RHS
NOV 04 2017

TACOMA-PIERCE COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION



CLIENT:
JAKE FOURNIER
(253) 330-0890

PROPERTY INFORMATION:
PN: 0122281002
SITE ADDRESS: 12611 110TH AVE NW

DRAWN: LP, 22 JUNE 2017

PAGE 3 OF 4



CONSTRUCTION NOTES

GENERAL CONSTRUCTION NOTES:

1. APEX SEPTIC DESIGN, LLC HAS ATTEMPTED TO SHOW ALL EXISTING UNDERGROUND UTILITIES, SEPTIC SYSTEMS, AND SUBSTRUCTURES. APPEARANCE ON THESE PLANS, HOWEVER, DOES NOT GUARANTEE THE ACCURACY AND/OR COMPLETENESS OF THE LOCATION OR EXISTENCE OF THESE UTILITIES OR SUBSTRUCTURES. THE INSTALLER IS REQUIRED TO TAKE ALL PRECAUTIONARY STEPS NECESSARY TO LOCATE AND PROTECT ALL EXISTING UTILITIES AND SUBSTRUCTURES, WHETHER SHOWN OR NOT, PRIOR TO EXCAVATION IN ANY AREA.
2. THE ATTACHED SEPTIC DESIGN DOES NOT REPRESENT A SURVEY, NOR DOES IT PURPORT TO SHOW ALL EASEMENTS OR ENCROACHMENTS, IF ANY. APEX SEPTIC DESIGN, LLC RECOMMENDS THAT PROPERTY LINES BE LOCATED OR SURVEYED PRIOR TO SYSTEM INSTALLATION. ALL PROPERTY BOUNDARIES/DIMENSIONS HAVE BEEN DEMONSTRATED BY THE PROPERTY OWNER/AGENT. APEX SEPTIC DESIGN, LLC IS NOT RESPONSIBLE FOR ERRORS ARISING FROM MEASUREMENTS THAT ARE TAKEN FROM PROPERTY LINES OR CORNERS THAT ARE INACCURATE.
3. ALL WORKMANSHIP AND MATERIALS USED FOR THE INSTALLATION OF THIS SEPTIC SYSTEM MUST MEET WASHINGTON STATE DEPARTMENT OF HEALTH AND COUNTY HEALTH DEPT CODE.
4. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE DESIGNER PRIOR TO THE START OF THE SYSTEM INSTALLATION.
5. THE DESIGNER SHALL BE NOTIFIED A MINIMUM OF 5 BUSINESS DAYS IN ADVANCE OF ANY REQUIRED INSPECTIONS OF THE SYSTEM. PLEASE CONTACT APEX SEPTIC DESIGN, LLC AT 253.509.9922 TO SCHEDULE ALL MEETINGS AND INSPECTIONS.
6. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE SITE PLAN ARE AS ACCURATE AS POSSIBLE. HOWEVER, THE INSTALLER IS FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE INSTALLER SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO SYSTEM INSTALLATION BY CALLING THE UNDERGROUND UTILITY LOCATE LINE - 811. VISIT [HTTP://WWW.CALL811.COM](http://www.call811.com) FOR MORE INFORMATION.
7. EROSION CONTROL MEASURES SHALL BE TAKEN BY THE INSTALLER DURING CONSTRUCTION TO PREVENT INFILTRATION OF EXISTING AND PROPOSED STORMWATER DRAINAGE FACILITIES AND ROADWAYS.
8. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO HAVE A COPY OF THIS APPROVED SEPTIC DESIGN ON THE CONSTRUCTION SITE DURING WORK HOURS.
9. PRIOR TO BACKFILL, ALL SEPTIC COMPONENTS SHALL BE INSPECTED AND APPROVED BY APEX SEPTIC DESIGN, LLC. APPROVAL SHALL NOT RELIEVE THE INSTALLER OF THE RESPONSIBILITY TO CORRECT ANY DEFICIENCIES AND/OR FAILURES AS DETERMINED BY SUBSEQUENT TESTING AND INSPECTIONS. IT SHALL BE THE INSTALLER'S RESPONSIBILITY TO NOTIFY APEX SEPTIC DESIGN, LLC FOR ALL REQUIRED INSPECTIONS.
10. IF THE INSTALLER ENCOUNTERS ANY DISCREPANCIES BETWEEN THE DESIGN, CALCULATIONS, SPECIFICATIONS, AND/OR EXISTING CONDITIONS ENCOUNTERED, THE INSTALLER SHALL IMMEDIATELY NOTIFY APEX SEPTIC DESIGN, LLC AT 253.509.9922.
11. IF ERRORS ARE NOTED IN THE OSS INSTALLATION, THE INSTALLATION WILL NOT BE CALLED IN FOR FOR FINAL INSPECTION UNTIL ALL DEFICIENCIES ARE CORRECTED. THE INSTALLER WILL BE RESPONSIBLE FOR ALL REINSPECTION FEES.
12. SOIL LOGS HAVE BEEN EXCAVATED ON THIS SITE. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER OR THE OWNER'S AGENT TO BACKFILL THESE SOIL LOGS AFTER THE HEALTH OFFICER'S INSPECTION PROCESS HAS BEEN COMPLETED.
13. IF, DURING THE INSTALLATION PROCESS, SOIL CONDITIONS ARE DISCOVERED THAT MAY LEAD TO PREMATURE FAILURE OF THE SYSTEM, CONSTRUCTION SHALL STOP IMMEDIATELY, AND THE DESIGNER SHALL BE NOTIFIED. CONDITIONS MAY INCLUDE, BUT ARE NOT LIMITED TO HARDPAN, CLAY, GROUND WATER, SURFACE WATER, DISTURBED SOIL, OR EXCESSIVELY PERMEABLE SOILS (COARSE OR GRAVELLY COARSE SAND).

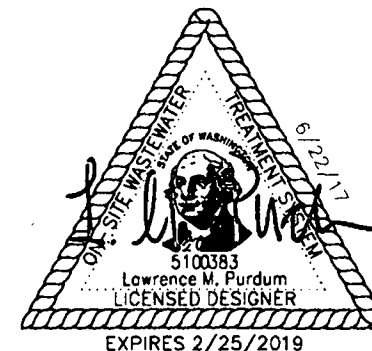
SEPTIC SYSTEM CONSTRUCTION NOTES:

1. NO HOUSE FOUNDATION SPOILS ARE TO BE PLACED ON THE DRAINFIELD AREAS.
2. NO VEHICULAR TRAFFIC IS ALLOWED ON THE DRAINFIELD AREAS AT ANY TIME. A PHYSICAL BARRIER MUST BE PLACED AROUND THE DRAINFIELD DURING CONSTRUCTION.
3. NO BURNING ON ANY DRAINFIELD AREA.
4. NO CUTS GREATER THAN 4' FEET IN HEIGHT ARE ALLOWED WITH 50 FEET DOWN SLOPE OF ANY DRAINFIELD.
5. NO FOOTING DRAINS ARE ALLOWED WITHIN 30 FEET UPSLOPE OF ANY DRAINFIELD AREA.
6. ALL DOWNSPOUTS/SURFACE WATER MUST BE DIRECTED AWAY FROM DRAINFIELDS.
7. DUE TO UNFORSEEN WATER TABLES, A CURTAIN DRAIN MAY BE REQUIRED TO PROTECT THE DRAINFIELD AREAS.
8. USE CAUTION TO NOT REMOVE SOILS WHEN CLEARING DRAINFIELD AREA. IT IS STRONGLY RECOMMENDED THAT THE DRAINFIELD AREA BE CLEARED BY THE INSTALLER.
9. GRAVEL AND PIPE ARE RECOMMENDED FOR THE DRAINFIELD LATERALS. HOWEVER, THE USE OF GRAVELLESS CHAMBERS IS ACCEPTABLE.
10. SEED AND MULCH THE INSTALLED DRAINFIELD IMMEDIATELY UPON COMPLETION.
11. DEPENDING ON THE FINAL HOUSE ELEVATIONS, A PUMP MAY BE REQUIRED FOR THE SEPTIC SYSTEM.
12. EXCEPT FOR THE DISPERSAL COMPONENT, ALL COMPONENTS OF THE SEPTIC SYSTEM MUST BE WATERTIGHT TO THE SURFACE.
13. ALL WATER LINES MUST BE A MINIMUM OF 10 FEET AWAY FROM THE INSTALLED DRAINFIELD.
14. ANY DEVIATION FROM THE SPECIFICATIONS OF THIS SEPTIC DESIGN MUST BE APPROVED IN WRITING BY APEX SEPTIC DESIGN, LLC

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JUN 23 2017

Tacoma-Pierce County
Health Department



APPROVED

RP
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TACOMA-PIERCE COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

CLIENT:

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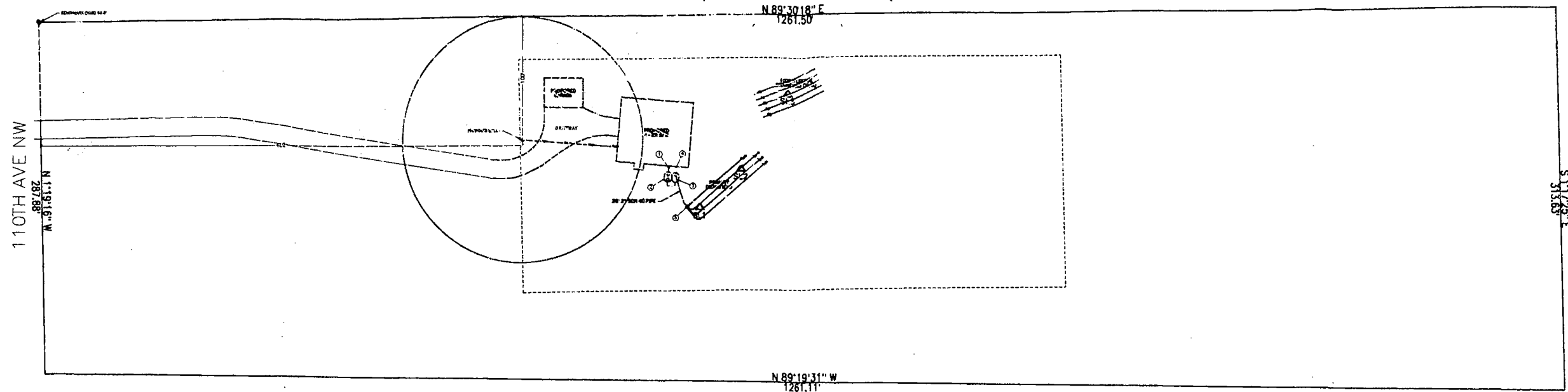
DRAWN: LP, 22 JUNE 2017

PAGE 4 OF 4



SEPTIC DESIGN, LLC

PO Box 801, Gig Harbor, WA 98335 253.509.9922



Flood Hazard, Landslide/Erosion Hazard Area
Evaluation completed by Deng TSS

[Signature] 6/23/2017
Signature Date

PROJECT DESCRIPTION:

CONSTRUCT NEW 4- BR SFR WITH PD OSS.
WATER SERVICE TO BE PROVIDED BY NEW INDIVIDUAL WELL

SOIL LOG INFORMATION: 5/9/17

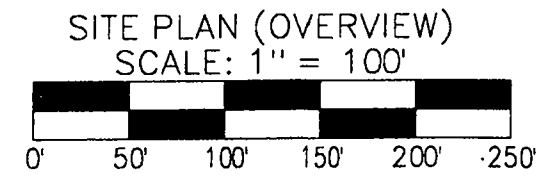
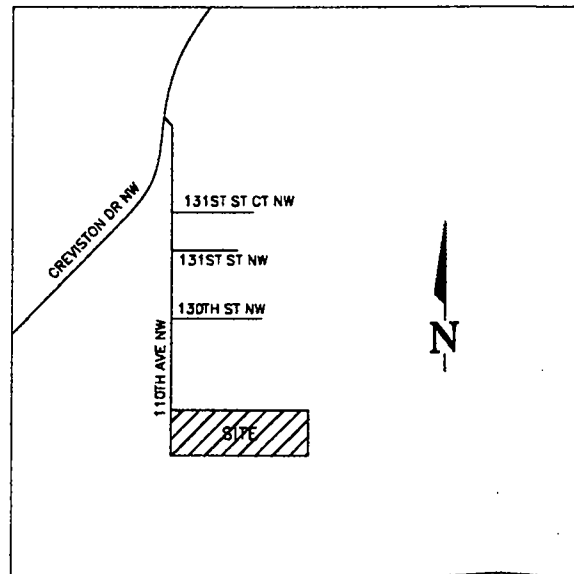
SL1 - TYPE 4: 0.8 GAL / SQ FT / DAY
0" - 18": LIGHT BROW LOAMY FINE SAND
18" - 45": GRAY FINE SAND
COMPACT AT 45"

SL2 - TYPE 4: 0.8 GAL / SQ FT / DAY
0" - 14": LIGHT BROWN LOAMY FINE SAND
14" - 35": GRAY FINE SAND
COMPACT AT 35"

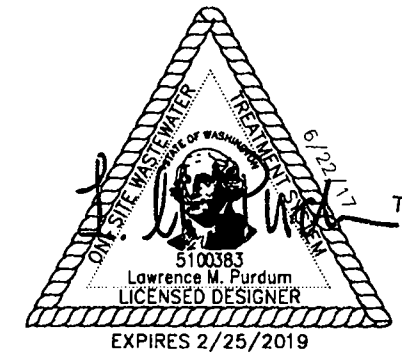
SL3 - TYPE 4: 0.8 GAL / SQ FT / DAY
0" - 25": LIGHT BROWN LOAMY FINE SAND
COMPACT AT 25"

SL4 - TYPE 4: 0.8 GAL / SQ FT / DAY
0" - 25": LIGHT BROWN LOAMY FINE SAND
25" - 37": GRAY FINE SAND
COMPACT AT 37"

VICINITY MAP



PROPERTY OWNER NOTE:
Carefully review ALL aspects of this septic design. ANY costs incurred due to changes to this design after submission to TPCHD and Dev. Eng. are the sole responsibility of the property owner.



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Tacoma-Pierce County Health Department

PIERCE COUNTY PLANNING AND LAND SERVICES BIOLOGIST OF THE DAY

[Signature] 6-23-17
Signature Date

NOTE
THE DIRT PROFESSIONAL IS RESPONSIBLE FOR THE SOIL CONDITIONS ON SITE AT THE TIME OF SYSTEM INSTALLATION

THIS IS NOT A SURVEY. ALL PROPERTY LINES / BOUNDARIES HAVE BEEN DEMONSTRATED BY THE PROPERTY OWNER / AGENT. SUBMITTAL OF THIS SEPTIC DESIGN TO TPCHD IS NOT A GUARANTEE OF APPROVAL

LEGEND

- △ = SOIL LOG
- ① = CLEAN OUT
- ② = SEPTIC TANK
- ③ = PUMP TANK
- ④ = PUMP CONTROL PANEL
- ⑤ = HEADER MANIFOLD

CLIENT:
JAKE FOURNIER
(253) 330-0890

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PAGE 1 OF 4



Robert Suggs

From: Jake Fournier [jakefournier@gmail.com]
Sent: Friday, July 21, 2017 4:46 PM
To: Robert Suggs
Subject: Fwd: RE: Water Availability Requirements
Attachments: image001.png

Hi Bob,

Thanks for chatting just now. Here's the email from Michael Jimenez. Please don't hesitate to call if we need to provide anything else!

Thanks again,
Jake

SCAN

----- Forwarded message -----

From: "Michael Jimenez" <mjimen1@co.pierce.wa.us>
Date: Jan 4, 2017 3:16 PM
Subject: RE: Water Availability Requirements
To: "Jake Fournier" <jakefournier@gmail.com>
Cc:

It is within Washington Water Service Area-

0122281002 – does not need a hydrogeological study prepared for Planning Division.



Michael Jimenez | Senior Planner | Pierce County Planning and Land Services | [\(253\)798-7181](tel:2537987181) |

2401 South 35th Street, Tacoma, WA, 98409-7490 | mjimen1@co.pierce.wa.us | www.co.pierce.wa.us/pals

From: Jake Fournier [mailto:jakefournier@gmail.com]
Sent: Wednesday, December 28, 2016 1:48 PM
To: Michael Jimenez <mjimen1@co.pierce.wa.us>
Subject: Water Availability Requirements

Good Afternoon Michael,

We are working on lifting a moratorium due to previous owners logging on parcel 0122281002. We are seeking Single-Family development which will require a well. Adonais Clark mentioned we may be exempt given our location on the peninsula. We also have the attached former TPCHD review of the land. Can you tell me if we will be required to engage a hydrogeologist?



WELL SITE APPROVAL FOR PLATS

February 03, 2009

Landmark Northwest LLC
8009 78th ST CT NW
Gig Harbor, WA 98335

Application #: SR0134566

RE: Site Address: 12611 110th AVE NW, Lot 1

Parcel Number: 0122281002

Dear Landmark Northwest LLC:

The purpose of this letter is to inform you that the Tacoma-Pierce County Health Department (TPCHD) has conducted an inspection of the above referenced site on 2/3/09. The proposed well location appears to meet TPCHD platting requirements, and is therefore approved. Your well site approval will expire on 1/28/2012

This letter may be used as verification of well site approval for the purpose of platting only. This letter does not constitute approval to construct a well

Prior to construction of this well, a well construction fee must be submitted to the TPCHD.

A siting application renewal and fee will be required after the above expiration date

If you have any questions, please contact me at (253) 798-6530.

Sincerely,

Richard Hoesch, RS
Environmental Health Specialist II
Environmental Health Program

cc: OCS On-Site Consulting Service, Stephen Wecker - Designer

--

Jake Fournier
jakefournier@gmail.com

Return to:

Jacob and Jaimie Fournier
8462 South 16th Street
Tacoma, WA 98465

County Planning File Number 852645

SCAN

MEMORANDUM OF AGREEMENT
(Individual Form)

For purpose of this agreement and for indexing by the Auditor as required by R.C.W. Chapter 65.04, the parties to this agreement are Jacob and Jaimie Fournier, Grantor, and Pierce County, Grantee.

WHEREAS, Jacob and Jaimie Fournier, is/are the owner(s) or contract purchaser(s) of certain piece of property located in Pierce County, State of Washington, and described as follows:

Assessor Parcel Numbers:

0122281002 Section 28 Township 22 Range 01 Quarter 12: N 10 AC OF S 25 AC OF NW OF NE EXC CO RD SEG E 6567

WHEREAS, PIERCE COUNTY, by and through the authority of the PIERCE COUNTY PLANNING AND PUBLIC WORKS DEPARTMENT, has granted approval of SINGLE-FAMILY DWELLING EXCEPTION to the Landowner in regard to the above described real property pursuant to the Pierce County Code. Said approval and accompanying documents have been filed in the office of the Pierce County Department of Planning and Land Services, at 2401 South 35th Street, Tacoma, WA 98409.

NOW THEREFORE, in order that the rights and duties of the respective parties and their successors be known for the record now and in the future, it has been agreed between the parties as follows:

1. That the Landowner has voluntarily applied for the above-stated approval which allows the Landowner and his successors the right to use or develop said real property in a certain manner, and after due consideration, Pierce County has granted said approval.
2. That compliance with the duties, conditions and requirements of said approval shall be the responsibility of the Landowner, his heirs, successors and assigns in interest in said property and that the conditions set forth in any approved accompanying Final Site Plan shall likewise be binding unless modified or amended by the mutual agreement of both parties or their successors under the appropriate provisions of the Pierce County Code.

3. That in the event said approval is not exercised within the time specified by said approval or the applicable regulation governing such approval, then the Agreement of which this is a Memorandum shall be null and void as of the date expiration of said approval.

Amin Clark
 Director or Designee Signature
 Pierce County Planning and Land Services

Jacob Fournier
 Print Name
[Signature]
 Landowner Signature
9462 S 16th
 Address
Tacoma, WA 98462
 Zip

 Print Name

 Landowner Signature

 Address

 Zip

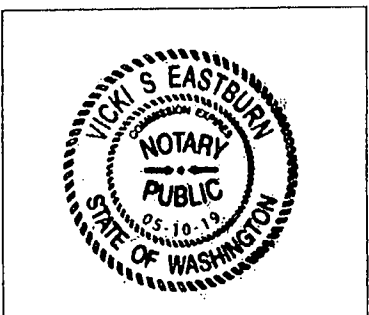
STATE OF WASHINGTON }
 County of Pierce } ss. [Signature]

I certify that I know or have satisfactory evidence that Jacob Fournier is/are the person (s) acknowledged that he/she/they signed this instrument and acknowledged it to be his/her their free and voluntary act for the uses and purposes mentioned in the instrument.

DATED this April 28 day of April, 2012.

Vicki S. Eastburn
 Signature
Vicki S. Eastburn
 Print Name
notary public
 Title

My Appointment Expires 5-10-19



Forest Practices Written Order

**Single Family Dwelling Exception:
Jacob and Jaimie Fournier**

**Application Number: 852645
Parcel Number: 0122281002**

APRIL 26, 2017

Proposal: Single-Family Dwelling Exception to allow construction of a single-family residence, accessory structures, yard area, septic disposal systems, and well, on a 2-acre portion of a 10-acre parcel currently under a Forest Practices Six-Year Development Moratorium.

Project Location: 12611 - 110th Avenue NW, Gig Harbor, WA, within the NE ¼ of Section 28, T22N, R1E, Willamette Meridian, in Council District #3.

Decision: The request for approval of a Single Family Dwelling Exception is hereby granted, subject to conditions. This request does not require a public hearing before the Pierce County Hearing Examiner.

State Environmental Policy Act (SEPA): This proposal does not require SEPA review.

Application Complete: December 27, 2016

Owner/Applicant: Jacob and Jaimie Fournier
8462 South 16th Street
Tacoma, WA 98465

Contact: Adonais Clark, Senior Planner, (253) 798-7165, aclark@co.pierce.wa.us

Pierce County Online Permit Information:

<https://palsonline.co.pierce.wa.us/palsonline/#/permitSearch/permit/documents?appPermitId=852645>



Staff Recommendation

Staff has reviewed the application for conformance with Title 18H, Pierce County Development Regulations - Forest Practices. Staff finds that the proposal meets the criteria and written findings required for granting approval of a Single Family Dwelling Exception provided that the following conditions of approval are met.

Conditions of Approval

1. A Memorandum of Agreement (MOA) shall be executed between the applicant and the Director of Planning and Public Works Department. The MOA and a copy of this Written Order shall be recorded by the landowner with the Pierce County Auditor. **These documents must be recorded prior to the acceptance of a building permit application.**

2. The development moratorium shall remain in effect for all non-forestry uses outside the 2-acre Single Family Dwelling Exception area, where applicable, until the moratorium expires on December 10, 2020.
3. The landowner shall comply with the approved cost estimate, dated January 26, 2017.
4. The applicant shall plant a minimum of 300 seedlings per acre on the 6 acres of the parcel that were logged and outside the 2-acre Single Family Dwelling Exception area (total of 1,800 seedlings). A financial guarantee has been submitted that covers the cost of plant materials, installation, and monitoring multiplied by 125%.
5. A minimum of 80 percent of the remediation plantings shall survive, at a minimum, the first growing season following the planting.
6. An Accessory Element Inspection application and fee shall be submitted for the plantings following the first growing season for the plant materials. The financial guarantee will be released when Pierce County determines that 80% or more of the total number (1,800) of seedlings planted survive at least one growing season.
7. Scot's Broom is listed as a Class B noxious weed in Washington State and is present on the parcel. All the Scot's Broom should be removed from the property, where feasible.
8. An application for a Building Permit for the construction of a single-family residence shall be submitted to, and accepted by, Pierce County within two (2) years of the effective date or this Written Order shall become null and void.
9. The decision on an application for a Single Family Dwelling Exception shall be final and conclusive unless an Appeal to the Hearing Examiner is timely filed.

Appeal

In accordance with Pierce County Code, 1.22., Appeals of Administrative Decisions to the Examiner, any person aggrieved, or affected by any decision of an administrative official may file a notice of appeal. A notice of appeal, together with the appropriate appeal fee, shall be filed within 14 days of the date of an Administrative Official's decision, at the Public Services Building, Planning and Public Works Development Center, 2401 So. 35th, Tacoma, Washington.

Effective Date: April 26, 2017


Adonais Clark, Senior Planner

for: Dennis Hanberg, Director
Planning and Public Works Department

Decision Transmitted To

Owner/Applicant: Jacob and Jaimie Fournier
8462 South 16th Street
Tacoma, WA 98465

Reviewers: Pierce County Development Engineering / Dawn Anderson
Pierce County Environmental Biologist / Scott Sissons
Department of Natural Resources / Jerry Johnson, District Manager

AC:sl
4Fournier SFDE WO-AC.docx