

HEALTH OFFICER DECISION

Application Type: Building Site Application -
ReDesign

Memo #: 77269
Tax ID #: 4381-000-072-0004
RP ACCT ID: 1617299
Expiration: 07/16/2023

Property Information

20879 PRESIDENT POINT RD NE
Kingston WA 98346

Contractor of Record

Contractor Name: INDIGO DESIGN & MAINTENANCE
SPECIALISTS
Contractor Phone #: (360) 779-5233

Applicant

FERGUSON & COLE INC
26221 PIONEER WAY NW
Poulsbo WA 98370

Waivers

Waiver Type	Memo #	Notes
Waiver Class B	28821	

Health Officer Decision for Onsite Sewage System

Approved (See Conditions Below)	Name of Inspector: TIM QUAYLE, R.S.	Date: 07/16/2020
1. Maintain 18" of vertical or stop. 2. 8" maximum trench depth.		

Health Officer Decision for Water Supply

Approved (See Conditions Below)	Name of Inspector: BETTY SUE JAMESON	Date: 08/13/2020

Final Decision: Approved

BUILDING SITE APPLICATION

FOR WATER SUPPLY & ONSITE SEWAGE SYSTEM

Submittal Date	Memo Number	Review Fee	S.S.I.
JUL 13 2020	77219	\$145	30

BUILDING SITE INFORMATION

Building Site Address – Street, City, Zip Code:

Lot 72 PRESIDENT POINT

Assessor Tax Account Number:

4381-000-072-0004

Property Size:

29,000 SQ FT

Lot Number:

72

APPLICANT INFORMATION

First & Last Name

FERGUSON & COLE

Phone Number:

(360) 434-2104

E-Mail:

Mailing Address – Street, City, State, Zip Code:

PO BOX 26221 NW , POULSBO, WA 989370

APPLICATION GENERAL PROPOSAL

Application Type:

- ☒ New
☐ Repair (no building permit needed)
☐ Modification (building permit needed)
☐ Building Clearance with Compliance

Application Use Type:

- ☒ Residential
☐ Multi-Family
☐ Community
☐ Commercial

Application Water Type:

- ☒ Public Water
☐ Private Water (residential only)

☒ This is a Redesign (describe what is being changed) OR a Building Clearance with Compliance (describe proposal)

USING A CLASS B WAIVER TO ALLOW A PRESSURE SYSTEM TO BE USED

APPLICANT/AGENT & DESIGNER ACKNOWLEDGEMENT

I certify that (1) the information contained in this application is true and accurate to the best of my knowledge; (2) the application represents my intended use of this property; and (3) any related building permits for which I apply for will be consistent with the plans and specifications contained in this application.

I acknowledge and understand that I, along with my contractors, are responsible for adhering to the conditions of approval of this application and are responsible for conforming to applicable Kitsap County Board of Health ordinances and Washington State Department of Health regulations for onsite sewage systems and water supply.

I acknowledge and understand that the design, location, and construction of my onsite sewage system and/or well is/are critical and of a sensitive nature, and I agree to protect these areas as required by the regulations.

I understand that once this application is submitted and/or approved, any changes to, or variations from, the information or conditions related to this plan may require a revised application submittal and/or could result in the revocation, denial, or suspension of this application or a related building permit and that this application will fully expire within 3 (three) years and 30 (thirty) days from the original date of application submittal.

I understand that I have the right to appeal the Health Officer's decision concerning this application pursuant to the regulations, and that approval of this application does not guarantee that a building permit will be issued.

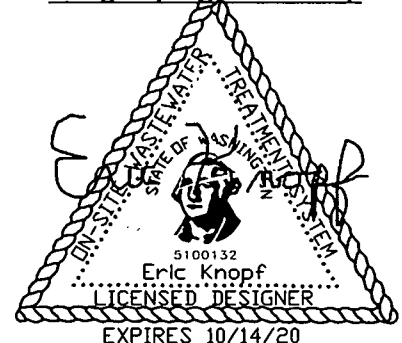
Applicant/Agent Signature

Eric Knopf

Date

06/11/2020

Designer/Engineer Stamp



Designer/Engineer Contact Phone Number:

(360) 779-5233

Designer/Engineer E-Mail Address:

ericknopf1@gmail.com

Intake Notes – Health District Use Only

**APPROVED
FOR SEWAGE AND WATER ONLY**

DRINKING WATER & ONSITE SEWAGE SYSTEM SPECIFICATION SHEET

Assessor Tax Account Number:
4381-000-072-0004

A. DRINKING WATER SUPPLY INFORMATION

<input type="checkbox"/> Proposed <input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Public	System Name kpud	System ID
	<input type="checkbox"/> Private <input type="checkbox"/> Individual <input type="checkbox"/> 2-Party	ASSESSOR TAX ACCOUNT NUMBERS FOR PROPERTIES SERVED BY WELL Water Connection 1 (Parcel with Well) Water Connection 2 (Parcel connected to Well)	

B. SOIL EVALUATION PROFILES

Soil Evaluation Date 05/25/2020	SOIL LOG NUMBERS MUST CORRELATE WITH SITE PLAN – INDICATE TOTAL EXCAVATED DEPTH, SOIL TYPES, WATER TABLE LEVEL & DEPTH OF RESTRICTIVE LAYER		
SOIL LOG #1	SOIL LOG #2	SOIL LOG #3	SOIL LOG #4
Downslope Side Measurements TYPE 4 0-26" LIGHT BROWN LOAMY FINE SAND RESTRICTED AT BOTTOM	Downslope Side Measurements TYPE 4 0-28" LIGHT BROWN LOAMY FINE SAND RESTRICTED AT BOTTOM	Downslope Side Measurements TYPE 4 0-6" DUFF 6"-30" LIGHT BROWN LOAMY FINE SAND RESTRICTED AT BOTTOM	Downslope Side Measurements

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C. DAILY FLOW – TANKAGE – TREATMENT

DESIGNED MAX SEWAGE FLOW	TRASH/SEPTIC/PUMP TANKS	ADVANCED TREATMENT INFORMATION
360 Gallons Per Day	Type Size (gal) QTY <input checked="" type="checkbox"/> Trash Tank 1000 1 <input type="checkbox"/> Septic Tank _____ _____ <input checked="" type="checkbox"/> Pump Tank 1000 1 <input type="checkbox"/> Other _____ _____	<input type="checkbox"/> Proprietary Advanced Treatment Manufacturer: _____ Model: _____ <input type="checkbox"/> Non-Proprietary Advanced Treatment Device Type: _____
PROPOSED RESIDENTIAL BEDROOMS 3 Maximum Bedrooms		
PROPOSED TREATMENT LEVEL TL E		

D. DISPERSAL COMPONENT CONSTRUCTION

DISPERSAL COMPONENT SIZING		TRENCH CONSTRUCTION PROFILE
Hydraulic Loading Rate of Dispersal Area: .6 Minimum Dispersal Area (Sq. Ft.) In Primary: 600 Minimum Linear Feet or Dimensions: 200 DISTRIBUTION METHOD <input type="checkbox"/> Gravity Distribution <input checked="" type="checkbox"/> Pressure Distribution <input type="checkbox"/> Drip Irrigation <input type="checkbox"/> Other: _____		A. Percent Slope in Primary: 3 % B. Maximum Trench Depth: 8 inches (Downslope Side Measurements) C. Vertical Separation: 18 inches D. Trench Width: 36" inches E. Additional Cover Required: 16 inches

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FOR SEWAGE AND WATER ONLY



Environmental Health
345 6th Street, Suite 300
Bremerton, WA 98337
360-728-2235

Memo #: 028821
Date Applied: JUL 13 2020
Fee paid: \$145
Clerks initials: SP

DRINKING WATER / ONSITE SEWAGE WAIVER REQUEST FORM

Waiver Request Form (Please check the following in regard to which Regulations are the subject of the waiver):

- ☒ **Local Septic Regulations (KCBOH Ordinance No. 2008A-1)**
☐ **Local Drinking Water Regulations (KCBOH Ordinance No. 1999-6)**

Section I. (Completed by Applicant)

(1) Name: FERGUSON & COLE

(2) Site Address: PRESIDENT POINT ROAD - LOT 72

(3) Tax Parcel No.: 4381-000-072-0004

(4) Regulatory Requirement: 24" OF VERTICAL SEPARATION

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(5) Waiver Requested: DOWN TO 18" OF VERTICAL SEPARATION

(6) Waiver Justification and Mitigation: ALL CLASS B REGULATORY REQUIREMENTS ARE BEING MET
THE LOT IS LARGE AND THE CLIENT CAN MAINTAIN AT LEAST 18" OF VERTICAL SEPARATION

Section II. (Completed by Kitsap Public Health Officer)

(7) Review Criteria:

(8) Mitigation Measures (in addition to those proposed in Section I):

(9) Comments/Conditions of Approval: No wells/surface H₂O w/in 200 feet.
Timed dosing required. Maintenance required.

(10) Type of Waiver: ☐ Class A ☒ Class B ☐ Class C ☐ Local

Section III. (Completed by Kitsap Public Health Officer)

This Waiver Request has been reviewed according to the applicable provisions of Chapter 246-272 WAC or KCBOH Ordinance No. 2008A-1 or 1999-6. The review criteria applied, and the mitigation measures proposed and/or required, have been evaluated for their ability to provide public health protection at least equal to that provided by the regulations.

This Waiver Request is: ☒ **Approved/Granted** (Subject to the above Conditions of Approval)

☐ **Denied**

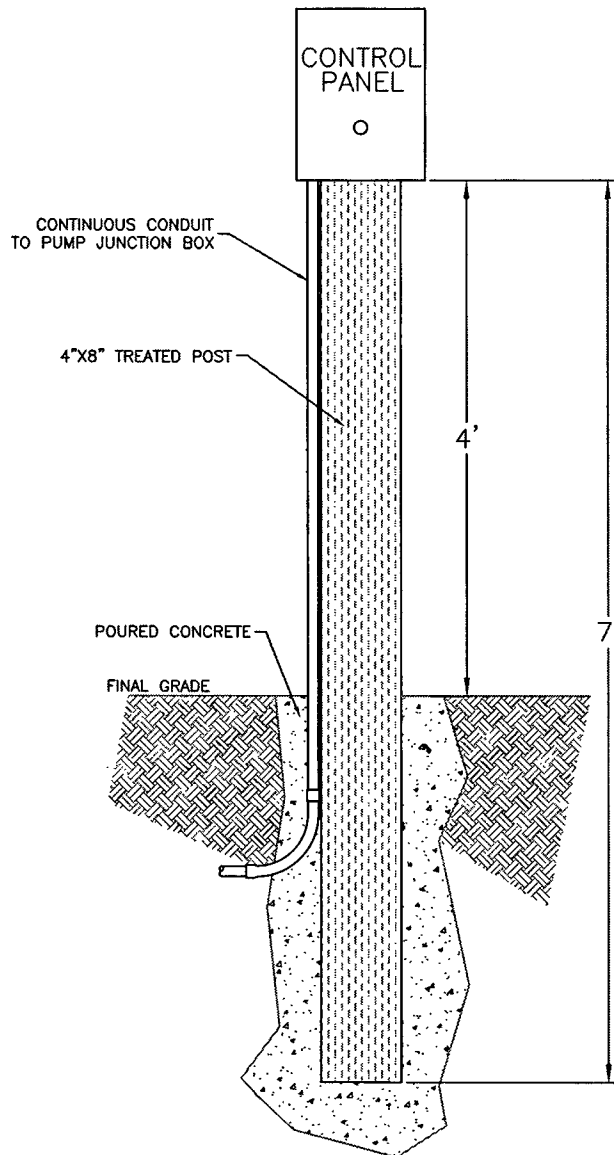
☐ **Accepted for Non-Conforming Onsite Sewage System**

KPHD Health Office Signature:

Date: 7/20/2020

KPHD Health Officer Name:

Permit Number: 20-01955



NOTES

1. LOCATE CONTROL PANEL WITHIN VIEW OF PUMP TANK ACCESS LID.
2. CONTROL PANEL MAY ALSO BE INSTALLED ON EXTERIOR WALL IF INSULATORS ARE USED TO DAMPEN POSSIBLE MOTOR CONTACTOR NOISE.
3. INSTALL CONTROL PANEL IN AN EASILY ACCESSIBLE AND SHADY AREA (IF POSSIBLE) TO AVOID TEMPERATURE EXTREMES WHICH CAN BE DETRIMENTAL TO ELECTRICAL COMPONENTS.

CONTROL PANEL MODEL SPECIFIED:

ORENCO® MVP SIMPLEX

○ CONTROL PANEL (TYP)

(N.T.S.)

Kitsap Public Health District

Permit Number: 20-01955

CLIENT:

FERGESON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT ROAD
KINGSTON

SHEET ID:

E-201

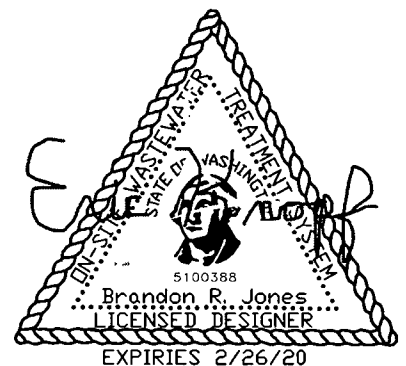
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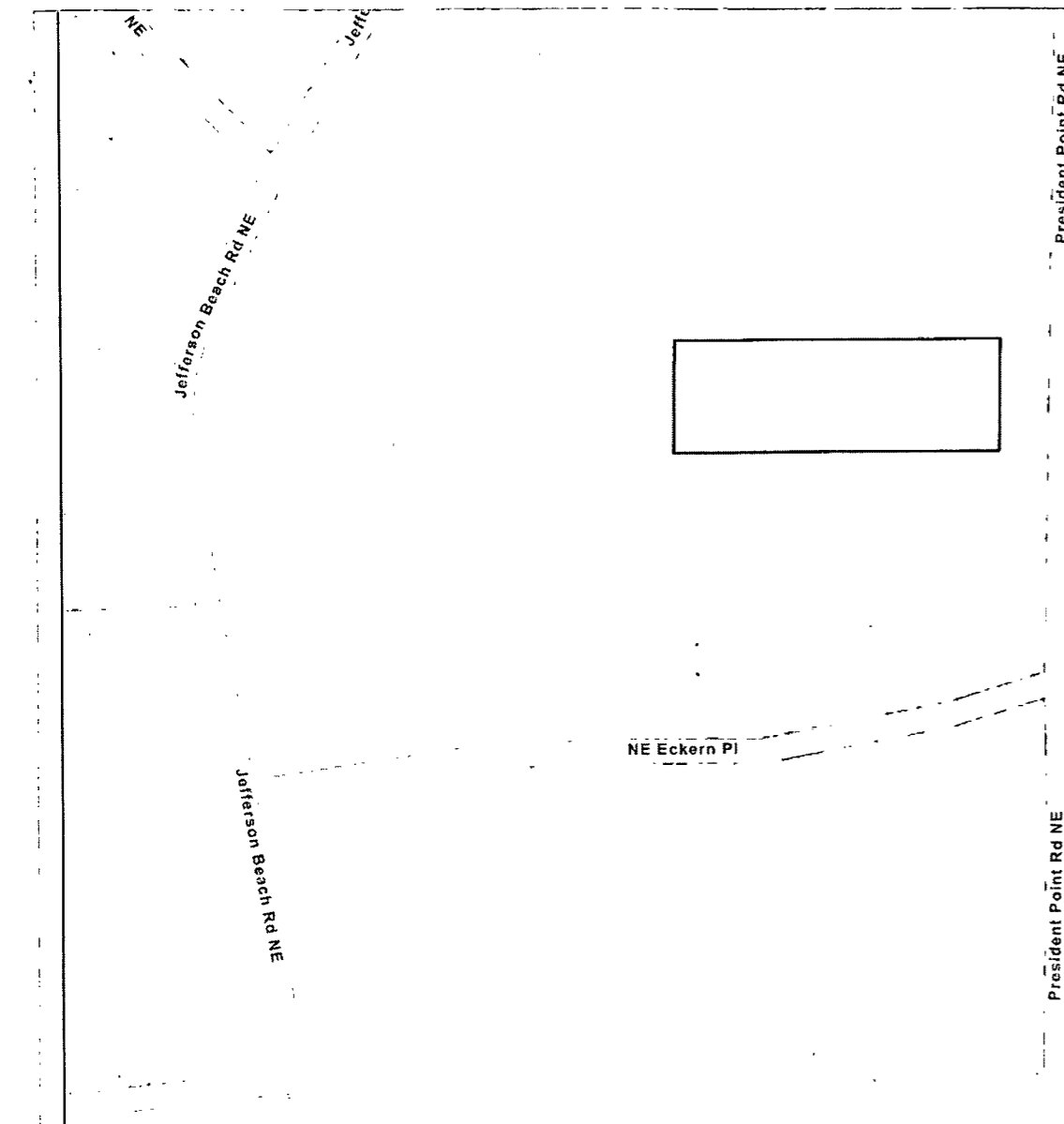
REVISIONS:

**INDIGO
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360-779-5233



SHEET # OF SHEETS



PROJECT VICINITY MAP

(N.T.S.)



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GENERAL NOTES

CONSTRUCTION NOTES, DISCLAIMERS, AND HOMEOWNER INSTRUCTIONS. THESE CONSTRUCTION NOTES, DISCLAIMERS AND INSTRUCTIONS ARE BINDING UPON THE SEPTIC DESIGN AND THE OWNER/GRANTOR OF THE PROPERTY ON WHICH THE SEPTIC DESIGN IS DONE. NO SUBSTITUTIONS CAN BE MADE WITHOUT THE DESIGNER'S APPROVAL.

1. AVOID INSTALLING ANY LATERAL THROUGH OLD GROWTH STUMPS OR OTHER LARGE TREES. IF TREES ARE MARKED ON THE SITE PLAN, DO NOT USE THEM AS BENCHMARKS. INSTALLER IS RESPONSIBLE TO AVOID INSTALLING DRAINFIELD LATERALS THROUGH LARGE TREES OR LARGE STUMPS. STUMPS MAY BE CUT OR GROUND DOWN BELOW FINAL GRADE FOR AESTHETIC CONSIDERATIONS. SECOND GROWTH STUMPS THAT ARE PARTIALLY DECAYED OR ROTTEN, HAVING BEEN LEFT IN THE GROUND FOR A NUMBER OF YEARS, MAY BE REMOVED AT THE INSTALLER'S DISCRETION. CALL THE DESIGNER IF THERE IS A CONCERN ABOUT DAMAGING THE DRAIN FIELD AREA.
2. ALL POTABLE WATER LINES MUST BE AT LEAST TEN FEET AWAY FROM SEPTIC COMPONENTS OR BE SLEEVED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
3. WASTE STRENGTHS NOT TO EXCEED NORMAL STRENGTHS FOR RESIDENTIAL APPLICATIONS. NORMAL RESIDENTIAL SEWAGE WASTE STRENGTHS ARE AS FOLLOWS: CBOD5=125 mg/L; TSS=80 mg/L; AND OIL & GREASE=20 mg/L, OR MEET THE EFFLUENT QUALITY CRITERIA OF THEIR RESPECTIVE TREATMENT LEVEL REQUIRED FOR THEIR SITE.
4. ACTUAL FLOWS SHOULD NOT EXCEED 60% OF MAXIMUM DESIGN FLOW ON A REGULAR BASIS.
5. LOCATION OF SEPTIC TANK OR PUMP TANK MAY CHANGE DEPENDING UPON AESTHETIC CONSIDERATIONS, DECKS, ENTRANCES, ETC., AND SUBJECT TO ALL HEALTH DISTRICT REGULATIONS.
6. FOR ALL STRUCTURES TO BE CONNECTED TO THE O.S.S., INSTALLER AND PROPERTY OWNER MUST VERIFY THE LOCATION OF ALL EXISTING PLUMBING STUB-OUTS BEFORE DETERMINING TANK INSTALLATION DEPTHS. PLUMBING STUBOUT(S) SHOWN ASSUMED UNLESS OTHERWISE STATED ON SITE PLAN.
7. DO NOT ENCROACH UPON OR DISTURB DRAIN FIELD AREAS DURING CONSTRUCTION PHASE.
8. DO NOT MAKE ANY CUTS, FOR DRIVEWAY OR OTHERWISE, GREATER THAN 5' IN HEIGHT/DEPTH, WITHIN 50' DOWN SLOPE OF DRAIN FIELD.
9. LAYOUT OF LATERALS MAY VARY SOMEWHAT DURING CONSTRUCTION PHASE. THE LENGTH MAY CHANGE, THE NUMBER OF LATERALS MAY CHANGE, THE ANGLE OF LATERALS MAY CHANGE WHEN THE LOT IS CLEARED AND FINAL TOPOGRAPHICAL FEATURES ARE EXPOSED.
10. ALL NEW IRRIGATION LINES MUST HAVE DOUBLE CHECK BACK-FLOW PREVENTERS.
11. ALL ACCESS ENCLOSURE LIDS MUST REMAIN AT SURFACE AT FINAL GRADE.
12. DO NOT USE SOIL LOGS AS A BENCHMARK- SOIL LOGS SIMPLY DEFINE SOIL PROFILES. INSTALLER RESPONSIBLE FOR VERIFYING PROPERTY LINE LOCATIONS BEFORE EXCAVATING FOR SEPTIC COMPONENTS.
13. ALL OTHER CONSTRUCTION NOTES ARE A BINDING PART OF THIS DESIGN AND SHOULD BE READ CAREFULLY.
14. ALL KNOWN WELLS THAT IMPACT THE SUBJECT PROPERTY ARE SHOWN TO THE BEST OF OUR KNOWLEDGE AND THE KNOWLEDGE OF THE SUBJECT PROPERTY OWNER.
15. A NEW DESIGN MAY BE REQUIRED IF HOUSE FOOTPRINT AND DRAIN FIELD FOOTPRINT ARE NOT COMPATIBLE, IF VERTICAL SEPARATION CANNOT BE MAINTAINED, OR IF SOILS IN DRAIN FIELD AREA ARE DISTURBED OR ENCROACHED UPON.
16. TOPOGRAPHY SHOWN PER SURVEY INFORMATION PROVIDED BY PROPERTY OWNER/AGENT. 2' CONTOUR INTERVALS SHOWN.
17. ANY SITE PLAN SHOWN IN THIS DESIGN IS NOT A SURVEY, NOR DOES IT PURPORT TO REPRESENT ANY SURVEY INFORMATION. FIELD MEASUREMENTS TAKEN WITH LASER MEASUREMENT EQUIPMENT FROM EXISTING CORNER STAKES PLACED BY OTHERS.
18. IF EASEMENTS EXIST AND ARE NOT SHOWN, IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO DISCLOSE EASEMENT LOCATIONS AND THE PROPERTY OWNER ASSUMES LIABILITY FOR ANY DAMAGES RESULTING FROM THEIR ABSENCE ON THIS DESIGN.
19. THE LOCATION OF ALL PROPERTY LINES AND CORNERS ARE SHOWN PER OWNER-PROVIDED INFORMATION AND/OR PUBLICLY AVAILABLE G.I.S. DATA AND REVIEWED BY THE PROPERTY OWNER BEFORE SUBMISSION TO THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ). DESIGNER DOES NOT ASSUME LIABILITY FOR INCORRECT PROPERTY BOUNDARY INFORMATION.
20. STORM WATER INFILTRATION SYSTEMS, IF REQUIRED, ARE THE RESPONSIBILITY OF THE PROPERTY OWNER OR OWNER'S AGENT.
21. FOR PROPOSED GRAVITY SYSTEMS, A PUMP AND PUMP TANK MAY BE REQUIRED EVEN IF NOT SPECIFIED HEREIN, IF THE FINAL STUB-OUT IS LOWER THAN THE INVERT OF THE LATERALS. THE COST OF A PUMP, PUMP TANK AND ALL OTHER COSTS ASSOCIATED WITH THIS REVISION IS SOLELY ASSUMED BY THE OWNER/APPLICANT.
22. IF VERTICAL SEPARATION CANNOT BE MAINTAINED AS OUTLINED IN THE APPROVED DESIGN AT THE TIME OF INSTALLATION, A NEW DESIGN MAY BE REQUIRED AT THE EXPENSE OF THE OWNER/APPLICANT.
23. INDIGO DESIGN IS NOT RESPONSIBLE FOR CONSTRUCTION PRACTICES DURING INSTALLATION. CONSTRUCTION PRACTICES MUST ADHERE TO ALL STATE AND LOCAL CODES. THIS INCLUDES, BUT IS NOT LIMITED TO, THE STABILIZING OF SLOPES AND SOILS FOR DRAIN FIELD COMPONENTS INCLUDING, BUT NOT LIMITED TO PLACEMENT OF SAND FILTER BOXES, TANKS, AEROBIC DEVICES, ETC... THE DESIGNER IS LIKEWISE NOT HELD RESPONSIBLE FOR ANY EROSION CONTROL PROBLEMS THAT MAY AFFECT THE DRAIN FIELD OR COMPONENTS.
24. INSTALLATION OF ALL PROPRIETARY PRODUCTS AND/OR TREATMENT DEVICES MUST FOLLOW THE MANUFACTURER'S GUIDELINES CAREFULLY. IF ANY CONFLICT EXISTS BETWEEN THOSE GUIDELINES AND THIS DESIGN, CONTACT DESIGNER OF RECORD.
25. INDIGO DESIGN IS NOT RESPONSIBLE FOR ANY TREES, SHRUBS, ORNAMENTAL OR OTHERWISE, OR LANDSCAPING REMOVED AND/OR DAMAGED DURING INSTALLATION. THE DESIGNER IS NOT RESPONSIBLE FOR ANY ROOT DAMAGE DURING ANY PHASE OF INSTALLATION OR CONSTRUCTION.
26. ALL SURFACE WATER MUST BE DIRECTED AWAY FROM THE DRAIN FIELD AREA IF AT ALL POSSIBLE. INSURE THAT FINAL GRADE OF DRAIN FIELD AREA DIRECTS WATER AWAY FROM DRAIN FIELD AREA.
27. COVER MUST BE SAND OR TYPE 3 SOIL AND MUST BE SEEDED AT THE TIME OF INSTALLATION.
28. CURTAIN DRAINS OR INTERCEPTOR DRAINS MAY BE REQUIRED OR DESIRED AT THE TIME OF INSTALLATION EVEN IF NOT SHOWN ON THE DESIGN. ANY COST ASSOCIATED WITH THIS, INCLUDING RE-DESIGN COSTS IF NECESSARY, IS THE RESPONSIBILITY OF THE PROPERTY OWNER/APPLICANT.
29. SEPTIC TANK CONNECTIONS MUST BE WATERTIGHT. DIRECT ALL SURFACE WATER AWAY FROM SEPTIC TANKS IF AT ALL POSSIBLE.
30. DOWN-SLOPE FOOTING DRAINS MUST BE 30' AWAY FROM DRAIN FIELD.
31. DRAIN FIELD INSTALLATION AND SITE WORK TO BE DONE DURING DRY CONDITIONS.
32. WET WEATHER INSPECTIONS, PRE-CONSTRUCTION MEETINGS, POST-CONSTRUCTION MEETINGS, CERTIFICATION SET-UP, RECORD OF CONSTRUCTION DRAWINGS, AND OTHER INSPECTIONS ARE NOT INCLUDED IN DESIGN FEES.
33. ALL COMPONENTS MUST BE SECURED WITH STAINLESS STEEL SCREWS/BOLTS (IF APPLICABLE) AND EASILY ACCESSIBLE FOR SERVICING AT FINAL-GRADE, INCLUDING THE ENDS OF PRESSURE LATERALS, OBSERVATION PORTS, PUMP TANK LIDS, SEPTIC TANK LIDS, AND ANY COMPONENTS AS SHOWN ON THE SITE PLAN AND/OR DETAIL SHEETS.
34. THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL. INDIGO DESIGN IS NOT RESPONSIBLE FOR ANY DAMAGE THAT MAY RESULT.
35. PROPERTY OWNER ASSUMES RESPONSIBILITY FOR FILLING SOIL LOGS AFTER ALL NECESSARY INSPECTIONS MADE BY THE AHJ.
36. BURNING, VEHICULAR TRAFFIC, OR ENCROACHMENT OF ANY KIND OVER-TOP OF THE DRAIN FIELD OR TANK AREAS WILL VOID ANY AND ALL WARRANTIES.
37. SEPTIC TANK OUTLET FILTER OR VAULT SCREEN TYPE FILTER IS REQUIRED IF SHOWN ON DESIGN SHEETS. INDIGO DESIGN IS NOT RESPONSIBLE FOR ANY DAMAGE THAT MAY RESULT FROM LACK OF FILTRATION.
38. THIS SYSTEM REQUIRES A CERTAIN DEGREE OF MAINTENANCE. CERTIFICATION AND INSTALLATION APPROVALS DO NOT GUARANTEE TROUBLE-FREE USE.
39. USE OF ANY SEPTIC SYSTEM ADDITIVES MAY RESULT IN DAMAGE, AND WILL VOID ANY AND ALL WARRANTIES.
40. PROPERTY OWNER, OWNER'S AGENT, OR APPLICANT AND INSTALLER MUST ADHERE TO ALL REGULATIONS PERTAINING TO ON-SITE SEPTIC SYSTEM AS SET FORTH BY THE STATE AND LOCAL AHJ.
41. AVOID DISPOSING OF HOUSEHOLD GARBAGE OR OTHER MATERIALS INTO THE SEPTIC SYSTEM. ONLY TOILET PAPER AND HUMAN WASTE SHOULD BE FLUSHED DOWN THE TOILET. MISUSE WILL RESULT IN DAMAGE TO YOUR SYSTEM AND WILL VOID ANY AND ALL WARRANTIES.
42. THESE NOTES, INSTRUCTIONS, AND DISCLAIMERS BECOME A BINDING PART OF THIS DESIGN UPON APPROVAL BY THE AHJ.
43. THIS DESIGN DOES NOT GUARANTEE THAT A BUILDING PERMIT WILL BE ISSUED BY THE AHJ.
44. CONTACT DESIGNER OF RECORD WITH ANY PROPOSED MODIFICATIONS TO THIS DESIGN, OR WITH ANY QUESTIONS REGARDING IMPLEMENTATION.

CLIENT:

FERGESON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT ROAD
KINGSTON

SHEET ID:

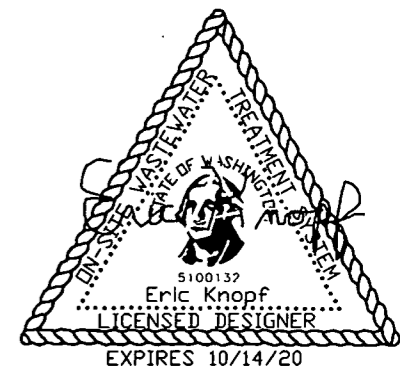
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GRAPHIC SCALE:

REVISIONS:

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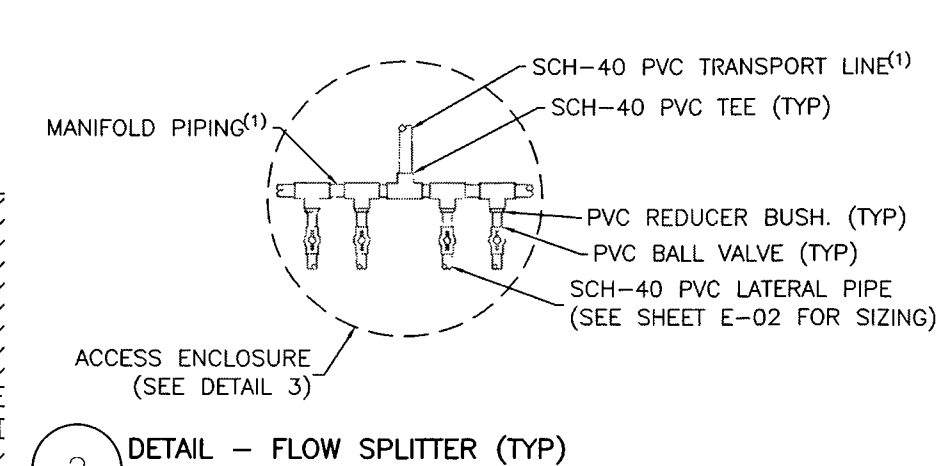
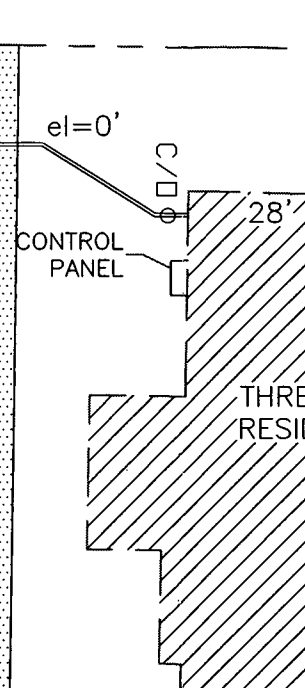
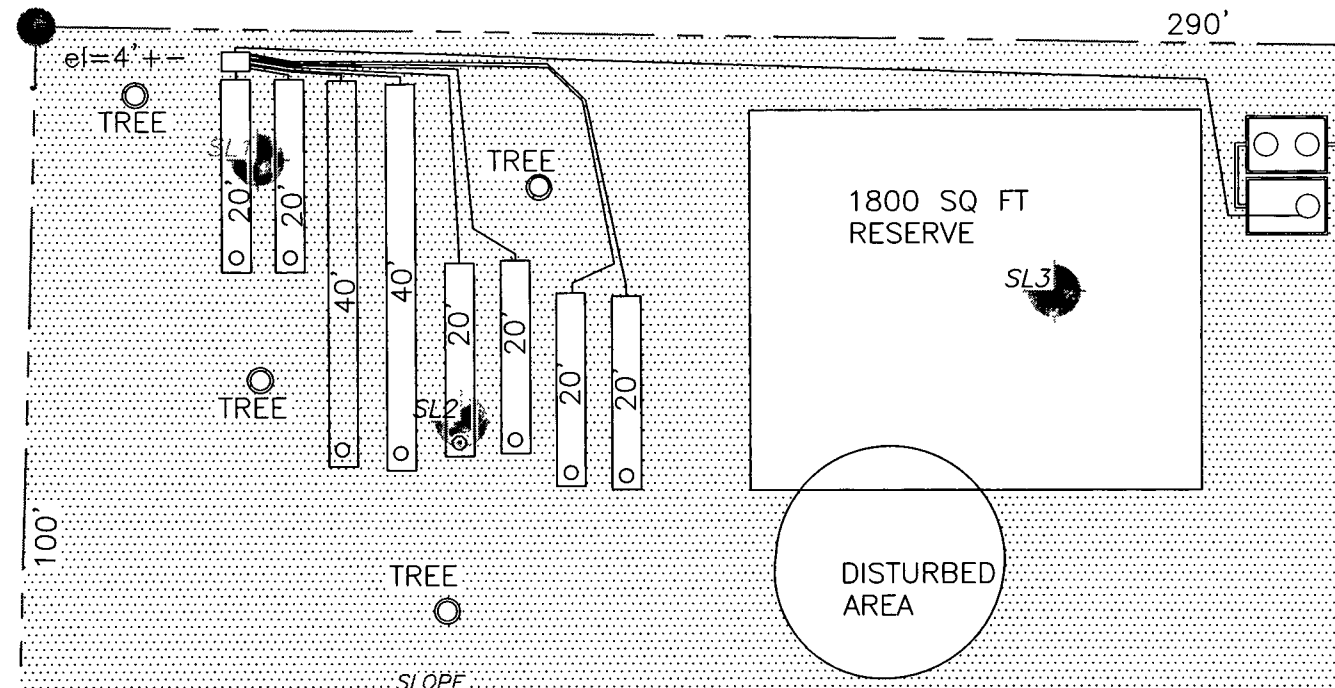


SHEET # OF SHEETS

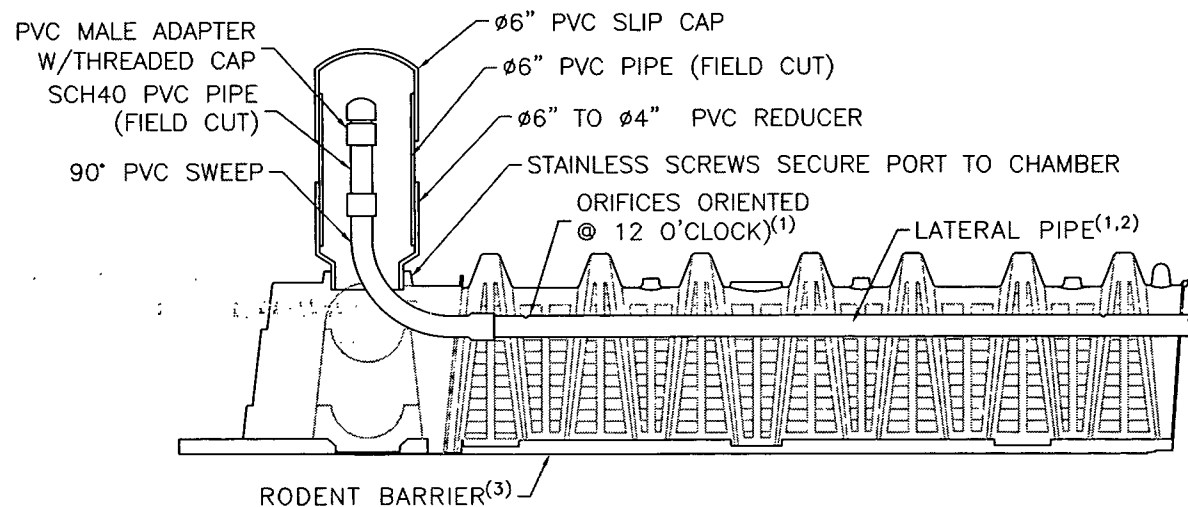
Kitsap Public Health District

Permit Number: 20-01955

PRESIDENT POINT ROAD



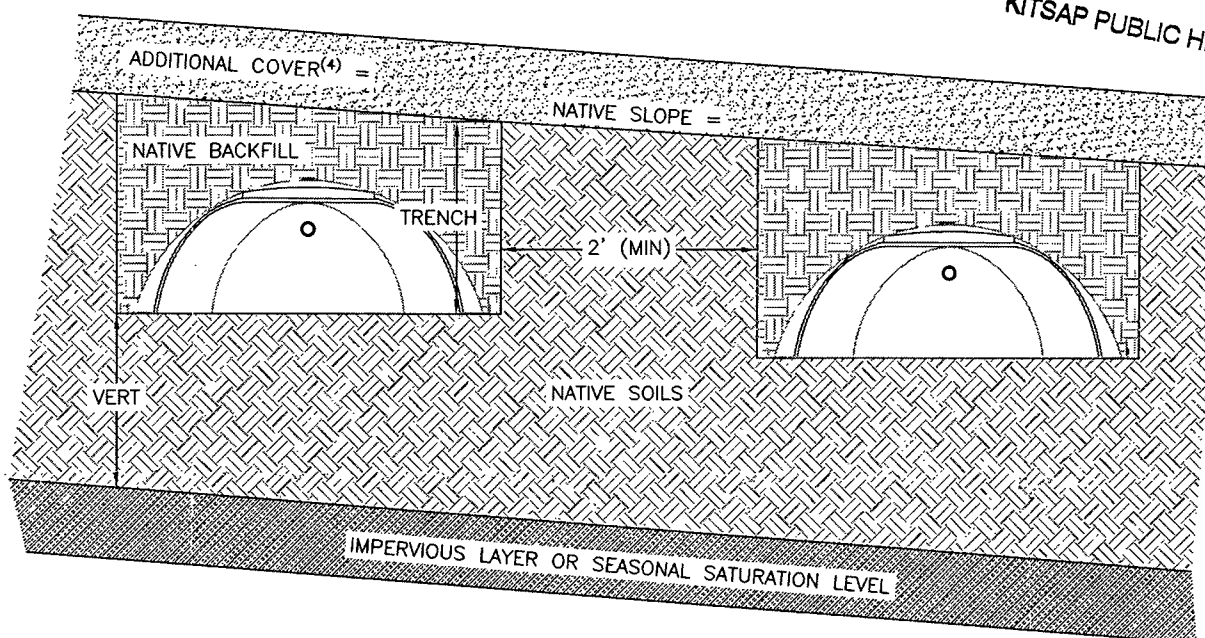
1 PLAN - DRAIN FIELD REF. SHEET S-02



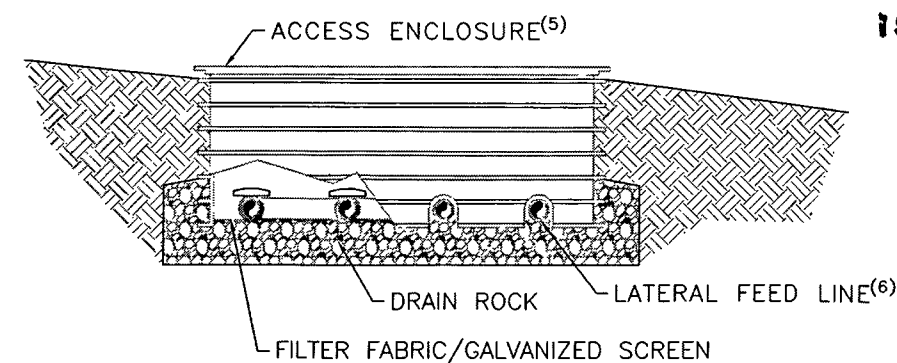
A SECTION - LATERAL END FC

NOTES

- SEE SHEET E-202 FOR PIPE/COMPONENT SIZING & CONFIGURATION.
- HANG LATERAL PIPES FROM TOP OF CHAMBER USING 100# POLY TIES. FOLLOW ALL MANUFACTURER RECOMMENDATIONS & GUIDELINES.
- INSTALL GALVANIZED STEEL HARDWARE SCREEN BELOW GRAVELLESS CHAMBER. TO PREVENT POTENTIAL RODENT INFILTRATION. SEE MANUFACTURER'S SPECIFICATIONS FOR RECOMMENDATIONS.
- MINIMUM OF 6" REQUIRED ABOVE DISPERSAL COMPONENT. SEED FINAL COVER (GRASS RECOMMENDED).
- ACCESS ENCLOSURE SHOULD BE LARGE ENOUGH TO ALLOW FOR EASY OPERATION OF ANY VALVES/COMPONENTS CONTAINED WITHIN.
-



B SECTION - TRENCH



3 DETAIL - ACCESS ENCLOSURE (TYP)

APPROVED
SEWAGE AND WATER ONLY

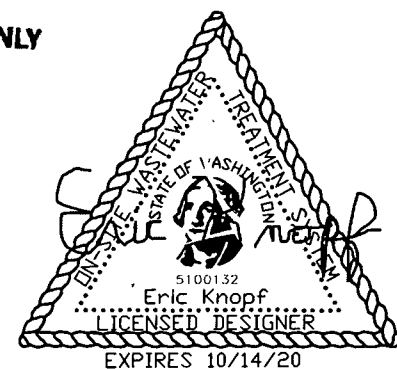
CLIENT:
FERGESON & COLE
TAX ID. #
4381-000-072-0004
SITE ADDRESS:
PRESIDENT POINT ROAD
KINGSTON

SHEET ID:
D-201

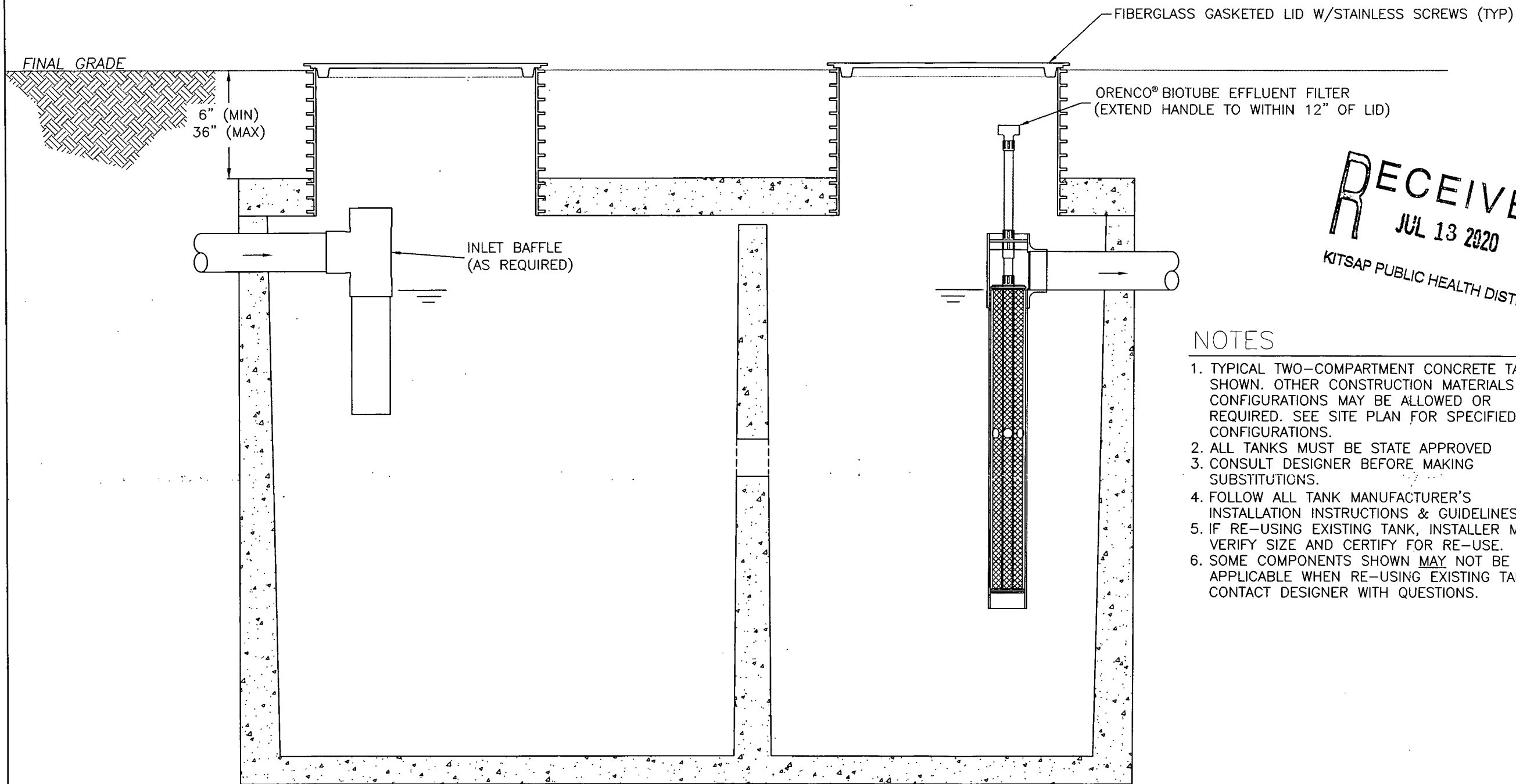
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INDIGO DESIGN INC.
P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



SHEET # OF SHEETS



1,000 GALLON SEPTIC TANK (TYPICAL)

(N.T.S.)

Kitsap Public Health District

Permit Number: 20-01955

CLIENT:

FERGESON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT ROAD
KINGSTON

SHEET ID:

T-101

REVISIONS:

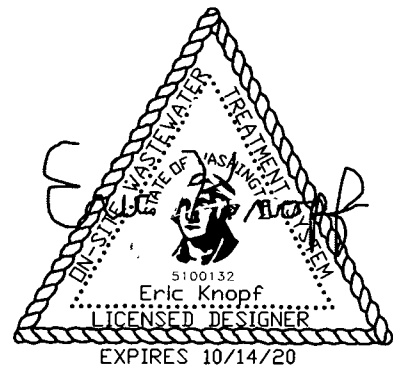
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NOTES

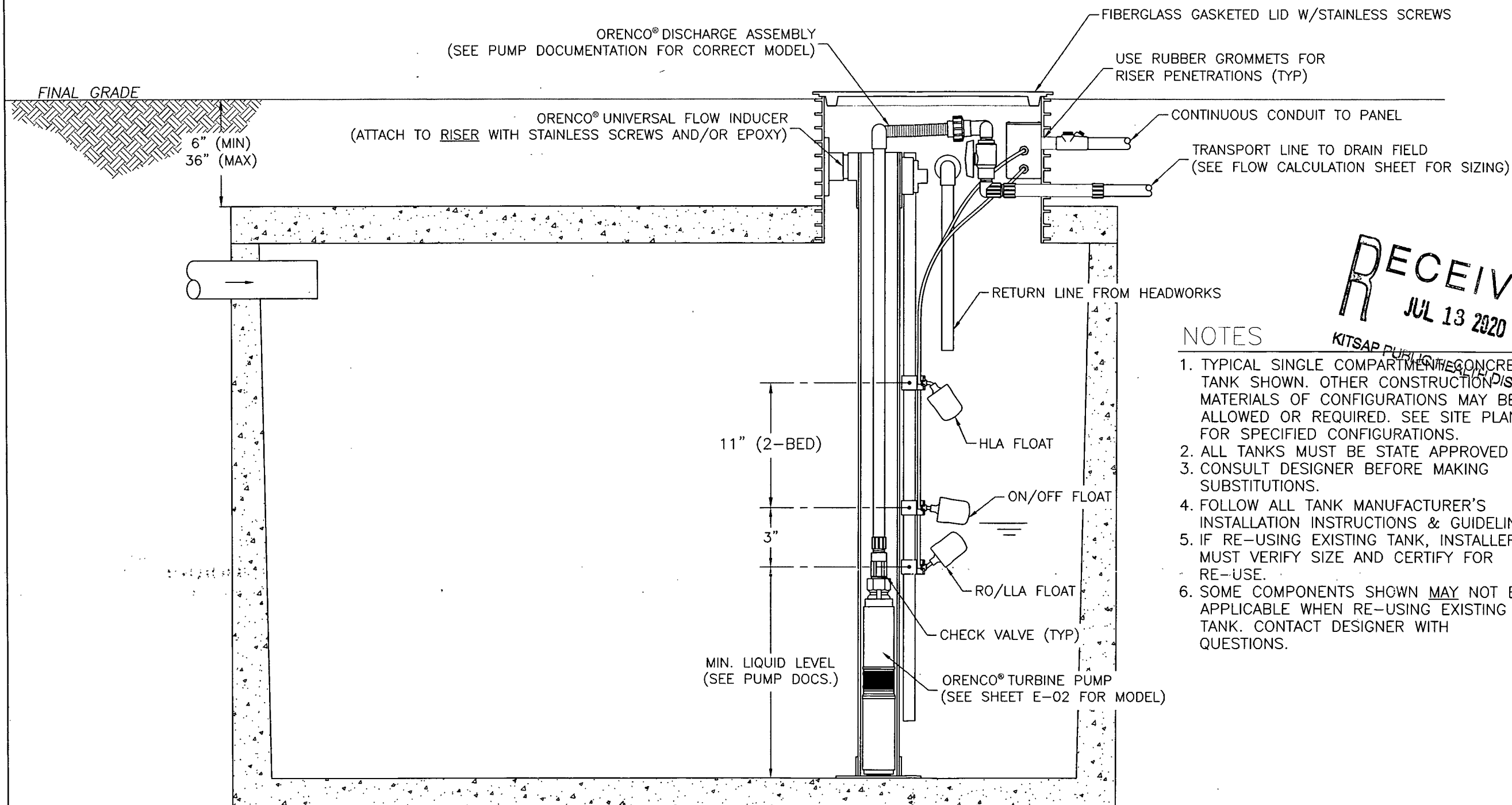
1. TYPICAL TWO-COMPARTMENT CONCRETE TANK SHOWN. OTHER CONSTRUCTION MATERIALS OF CONFIGURATIONS MAY BE ALLOWED OR REQUIRED. SEE SITE PLAN FOR SPECIFIED CONFIGURATIONS.
2. ALL TANKS MUST BE STATE APPROVED
3. CONSULT DESIGNER BEFORE MAKING SUBSTITUTIONS.
4. FOLLOW ALL TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS & GUIDELINES.
5. IF RE-USING EXISTING TANK, INSTALLER MUST VERIFY SIZE AND CERTIFY FOR RE-USE.
6. SOME COMPONENTS SHOWN MAY NOT BE APPLICABLE WHEN RE-USING EXISTING TANK. CONTACT DESIGNER WITH QUESTIONS.

INDIGO
DESIGN INC.

P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



SHEET # OF SHEETS



NOTES

1. TYPICAL SINGLE COMPARTMENT CONCRETE TANK SHOWN. OTHER CONSTRUCTION MATERIALS OF CONFIGURATIONS MAY BE ALLOWED OR REQUIRED. SEE SITE PLAN FOR SPECIFIED CONFIGURATIONS.
2. ALL TANKS MUST BE STATE APPROVED
3. CONSULT DESIGNER BEFORE MAKING SUBSTITUTIONS.
4. FOLLOW ALL TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS & GUIDELINES.
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PRESIDENT POINT ROAD
KINGSTON

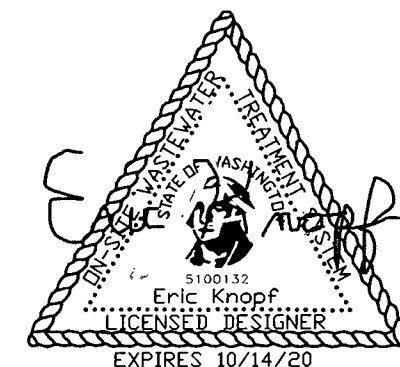
SHEET ID:

T-203

REVISIONS:

**INDIGO
DESIGN INC.**

P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



1,000 GALLON DOSE TANK (TYPICAL)

(N.T.S.)

Kitsap Public Health District

Permit Number: 20-01955

SHEET # OF SHEETS

Pump Selection for a Pressurized System - Single Family Residence Project

Parameters

Discharge Assembly Size	1.25	inches
Transport Length	150	feet
Transport Pipe Class	40	
Transport Line Size	2.00	inches
Distributing Valve Model	None	
Max Elevation Lift	15	feet
Manifold Length	10	feet
Manifold Pipe Class	40	
Manifold Pipe Size	2.00	inches
Number of Laterals per Cell	8	
Lateral Length	25	feet
Lateral Pipe Class	40	
Lateral Pipe Size	1.00	inches
Orifice Size	1/8	inches
Orifice Spacing	3	feet
Residual Head	5	feet
Flow Meter	None	inches
'Add-on' Friction Losses	5	feet

Calculations

Minimum Flow Rate per Orifice	0.43	gpm
Number of Orifices per Zone	72	
Total Flow Rate per Zone	31.2	gpm
Number of Laterals per Zone	8	
% Flow Differential 1st/Last Orifice	0.8	%
Transport Velocity	2.9	fps

Frictional Head Losses

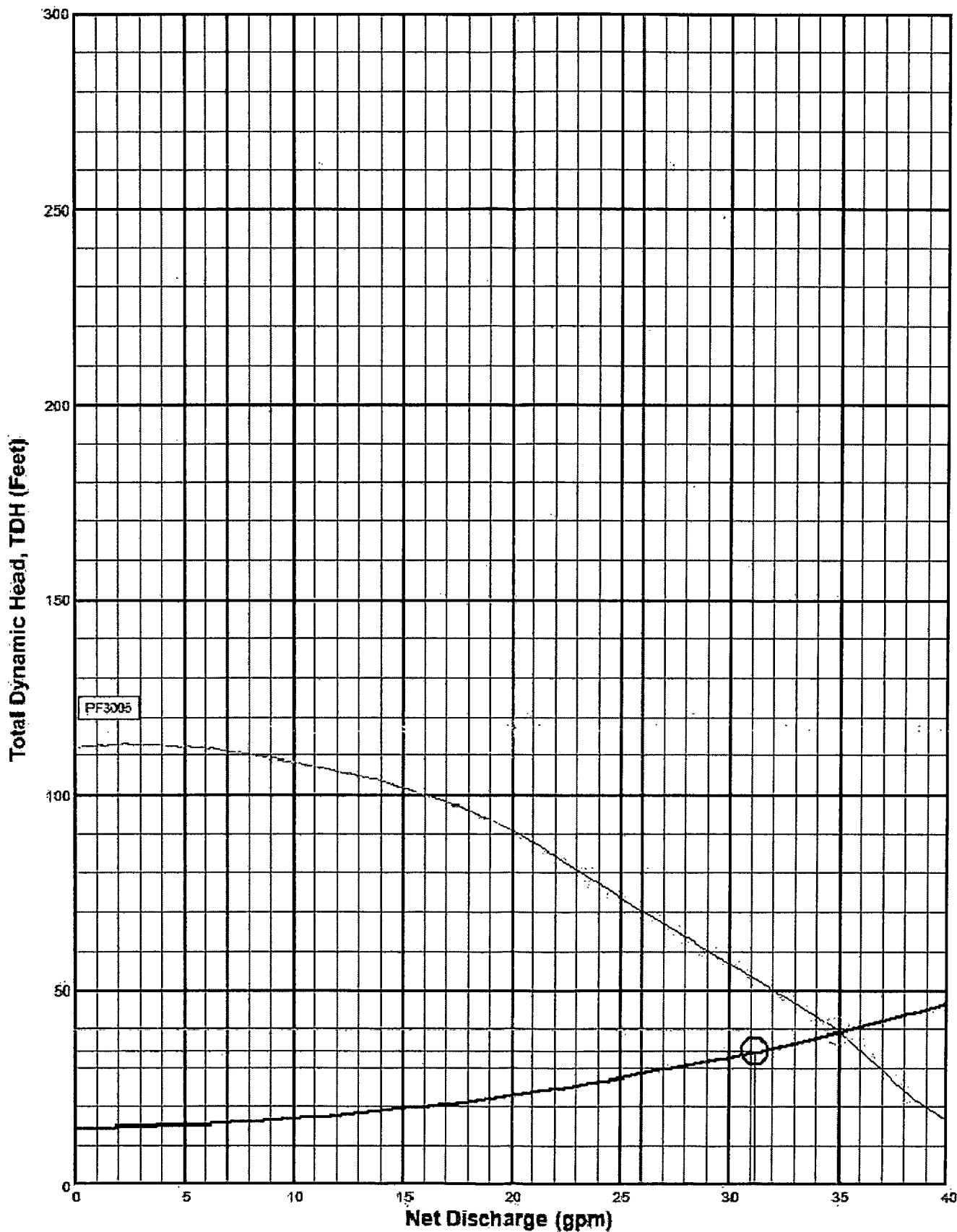
Loss through Discharge	6.8	feet
Loss in Transport	2.5	feet
Loss through Valve	0.0	feet
Loss in Manifold	0.0	feet
Loss in Laterals	0.1	feet
Loss through Flowmeter	0.0	feet
'Add-on' Friction Losses	5.0	feet

Pipe Volumes

Vol of Transport Line	26.1	gals
Vol of Manifold	1.7	gals
Vol of Laterals per Zone	8.9	gals
Total Volume	36.9	gals

Minimum Pump Requirements

Design Flow Rate	31.2	gpm
Total Dynamic Head	34.5	feet



Orenco Systems[®]
Incorporated
*Changing the Way the
World Does Wastewater[®]*

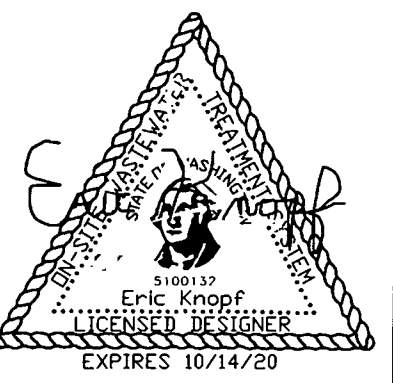
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JUL 13 2020
KITSAP PUBLIC HEALTH DISTRICT

System Curve:	—
Pump Curve:	—
Pump Optimal Range:	—
Operating Point:	0
Design Point:	0

CLIENT:
FERGESON & COLE
TAX ID. #
4381-000-072-0004
SITE ADDRESS:
PRESIDENT POINT ROAD
KINGSTON
SHEET ID:
E-202

REVISIONS:

INDIGO
DESIGN INC.
P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



KITSAP PUBLIC UTILITY DISTRICT #1
P.O. BOX 1989 - POULSBO, WA 98370
(360) 779-7656

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KITSAP PUBLIC
HEALTH DISTRICT

BINDING WATER AVAILABILITY LETTER

System: (04,08,09)North Peninsula, State ID No. 051220; has a "U" designation, currently serves 5516

Service Address: Lot 72 President Point Rd Kingston, WA 98346 Type: Residential

Tax Lot #: 4381-000-072-0004 Street Lts: NO Area:

This Binding Water Availability Letter guarantees water service to the subject property.
This Binding Water Availability Letter has no expiration date.

Capital Facilities Charge :	ERU's	1	\$6,000.00
Service Install Fee:	Meter Size	5/8"	\$3,100.00
Square Footage Payback	SF of Lot		\$0.00
Bainbridge Island Utility Tax (6%)		NO	0.00
Sub Total:			\$9,100.00
		NO	\$0.00
Total Charges :			\$9,100.00

Owner Name : Ferguson & Cole Inc. brian@fergusonandcole.com

Owner Mailing Address: 26221 Poiner Way NW Poulsbo, WA 98370

Owner Phone: Home : 360 434-2104 Alternate: 360 340-4641

Having received the PUD Customer Information pamphlet the undersigned property owner hereby agrees to comply with all rates, rules and regulation as approved by the Commissioners of Kitsap PUD relative thereto.

It is understood and agreed that any unpaid charges shall become a lien on the property served. The PUD shall not be responsible for the pressure nor the volume of flow greater or less than normal to the tap location.

NO YES / NO : This connection has or plans to install an irrigation or sprinkler system. The District Must be notified prior to installation of any irrigation or sprinkler system. Failure to notify the District of such installation may result in termination of water service.

Service installation may require up to 60 working days.

Service is requested as soon as service installation has been completed.

X Service will be locked off until owner requests initiation of service. Locked off services are subject to a "Ready to Serve" charge. Should the lock be removed and/or water used prior to notifying the District to initiate service, billing will become retroactive to date of this binding letter and charges will be billed to the party signing this letter regardless of circumstances which resulted in unapproved use of service.

NO There is an existing well on the property. The owner is required to either decommission the well
OR have it approved for use by the Health District.

Signature: Michael Flaherty Agent : Mike Flaherty Payment Amt : \$9,100.00

Check # : 33417 Date : 8/11/2020 Signature:

KITSAP PUBLIC UTILITY DISTRICT #1

P.O. BOX 1989 - POULSBO, WA 98370

(360) 779-7656

BINDING WATER AVAILABILITY LETTER

This form must be completed by the water purveyor, operations manager, water commissioner, or their designee.

For each commitment for a water hook-up, please complete the section below. Verbal approval over the phone and completion by any other person other than the authorized personnel for the water supply will not be accepted.

The Public Water System

(04,08,09)North Peninsula, State ID No. 051220; has a "U" designation, currently serves

5516

is capable of supplying, and will supply water to:

Ferguson & Cole Inc.

brian@fergusonandcole.com

for 1 (one) connection located at:

4381-000-072-0004

This connection is to be used for:

Residential

This Binding Water Availability Letter has no expiration date.

Agent's Name:

Mike Flaherty

Signature:

Michael Flaherty

Title: Utility Manager

Date

8/11/2020

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KITSAP PUBLIC
UTILITY DISTRICT

Water Web Mapping / Apps

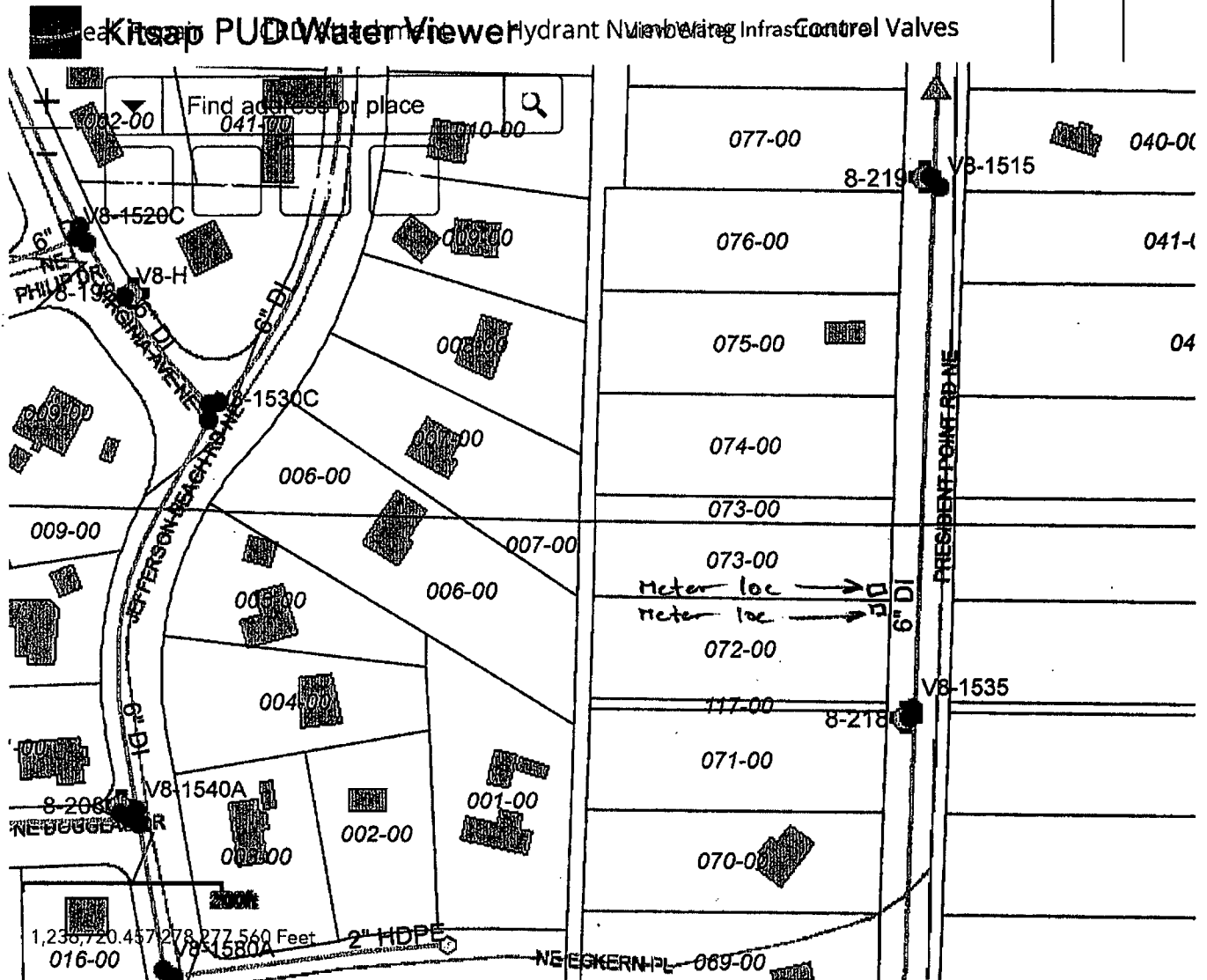


Water Viewer

Map Change Request

Meter Relocation

Maintenance Request



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KITSAP PUBLIC
HEALTH DISTRICT

Notice of Pending Building Site Application with Public Water Supply

07/16/2020

FERGUSON & COLE INC
26221 PIONEER WAY NW
Poulsbo, WA 98370

Tax ID: 4381-000-072-0004
Site Address: 20879 PRESIDENT PT.
Memo #: 77269
Water Source Type: Public
Water System Name: KPUD

Dear Applicant,

This checklist expires on 7 / 14 / 2023.

Your Building Site Application has been reviewed and a determination made that the soils and/or septic system plans have been given preliminary approval. However, the items listed below need to be submitted for review prior to final approval of your application may be granted. Your application has been placed in our pending files.

1. A current, three-year water availability letter from an approved public water system must be submitted. The water availability letter must be for a **Binding** commitment for water service, and must not expire 90 days prior to the building site application expiration date.

Please be aware that further review of your application cannot proceed until these items are submitted to the Health District. Additional information may be requested in the future based upon continued review.

You may track the status of your application online at www.kitsappublichealth.org; click on the "Application status" button on the bottom of the page.

If you have any questions regarding this pending letter you may contact me at (360) 728-2223 or tim.quayle@kitsappublichealth.org.

Thank you for your cooperation.

Sincerely,



Timothy Quayle, RS
Senior Environmental Health Specialist
Drinking Water and Onsite Sewage Program

cc: INDIGO DESIGN & MAINTENANCE SPECIALISTS

CHRONOLOGICAL CONTROL SHEET

Building Site Application - ReDesign

Contractor: INDIGO DESIGN & MAINTENANCE SPECIALISTS

[illegible]

HEALTH OFFICER DECISION

Application Type: Building Site Application -
Residential

Memo #: 76159
Tax ID #: 4381-000-072-0004
RP ACCT ID: 1617299
Expiration: 07/16/2023

Property Information

20879 PRESIDENT POINT RD NE
Kingston WA 98346

Contractor of Record

Contractor Name: INDIGO DESIGN & MAINTENANCE
SPECIALISTS
Contractor Phone #: (360) 779-5233

Applicant

FERGUSON & COLE INC
26221 PIONEER WAY NW
Poulsbo WA 98370

Health Officer Decision for Onsite Sewage System

Denied (See Conditions Below)	Name of Inspector: TIM QUAYLE, R.S.	Date: 07/02/2020
See redesign #77269		

Health Officer Decision for Water Supply

Denied (See Conditions Below)	Name of Inspector: TIM QUAYLE, R.S.	Date: 07/16/2020

Final Decision: Denied



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JUN 16 2020

KITSAP PUBLIC
HEALTH DISTRICT

345 6th Street, Suite 300
Bremerton, WA 98337
360-728-2235

BUILDING SITE APPLICATION

FOR WATER SUPPLY & ONSITE SEWAGE SYSTEM

Submittal Date	Memo Number	Review Fee	S.S.I.
JUN 16 2020	76159	\$810	m

BUILDING SITE INFORMATION

Building Site Address – Street, City, Zip Code:

Lot 72 PRESIDENT POINT

Assessor Tax Account Number:

4381-000-072-0004

Property Size:

29,000 SQ FT

Lot Number:

72

APPLICANT INFORMATION

First & Last Name

FERGUSON & COLE

Phone Number:

(360) 434-2104

E-Mail:

Mailing Address – Street, City, State, Zip Code:

PO BOX 26221 NW, POULSBO, WA 989370

APPLICATION GENERAL PROPOSAL

Application Type:

- ☒ New
☐ Repair (no building permit needed)
☐ Modification (building permit needed)
☐ Building Clearance with Compliance

Application Use Type:

- ☒ Residential
☐ Multi-Family
☐ Community
☐ Commercial

Application Water Type:

- ☒ Public Water
☐ Private Water (residential only)

☐ This is a Redesign (describe what is being changed) OR a Building Clearance with Compliance (describe proposal)

APPLICANT/AGENT & DESIGNER ACKNOWLEDGEMENT

I certify that (1) the information contained in this application is true and accurate to the best of my knowledge; (2) the application represents my intended use of this property; and (3) any related building permits for which I apply for will be consistent with the plans and specifications contained in this application.

I acknowledge and understand that I, along with my contractors, are responsible for adhering to the conditions of approval of this application and are responsible for conforming to applicable Kitsap County Board of Health ordinances and Washington State Department of Health regulations for onsite sewage systems and water supply.

I acknowledge and understand that the design, location, and construction of my onsite sewage system and/or well is/are critical and of a sensitive nature, and I agree to protect these areas as required by the regulations.

I understand that once this application is submitted and/or approved, any changes to, or variations from, the information or conditions related to this plan may require a revised application submittal and/or could result in the revocation, denial, or suspension of this application or a related building permit and that this application will fully expire within 3 (three) years and 30 (thirty) days from the original date of application submittal.

I understand that I have the right to appeal the Health Officer's decision concerning this application pursuant to the regulations, and that approval of this application does not guarantee that a building permit will be issued.

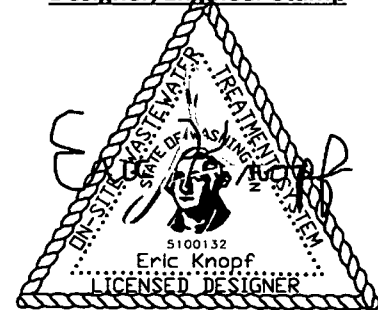
Applicant/Agent Signature

Eric Knopf

Date

06/11/2020

Designer/Engineer Stamp



Designer/Engineer Contact Phone Number:

(360) 779-5233

Designer/Engineer E-Mail Address:

ericknopf1@gmail.com

Intake Notes – Health District Use Only

DENIED

DRINKING WATER & ONSITE SEWAGE SYSTEM SPECIFICATION SHEET

Assessor Tax Account Number:
4381-000-072-0004

A. DRINKING WATER SUPPLY INFORMATION

<input type="checkbox"/> Proposed <input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Public	System Name kpud	System ID
	<input type="checkbox"/> Private <input type="checkbox"/> Individual <input type="checkbox"/> 2-Party	ASSESSOR TAX ACCOUNT NUMBERS FOR PROPERTIES SERVED BY WELL Water Connection 1 (Parcel with Well) Water Connection 2 (Parcel connected to Well)	

B. SOIL EVALUATION PROFILES

Soil Evaluation Date 05/25/2020	SOIL LOG NUMBERS MUST CORRELATE WITH SITE PLAN – INDICATE TOTAL EXCAVATED DEPTH, SOIL TYPES, WATER TABLE LEVEL & DEPTH OF RESTRICTIVE LAYER		
SOIL LOG #1	SOIL LOG #2	SOIL LOG #3	SOIL LOG #4
Downslope Side Measurements TYPE 4 0-26" LIGHT BROWN LOAMY FINE SAND RESTRICTED AT BOTTOM	Downslope Side Measurements TYPE 4 0-28" LIGHT BROWN LOAMY FINE SAND RESTRICTED AT BOTTOM	Downslope Side Measurements TYPE 4 0-6" DUFF 6"-30" LIGHT BROWN LOAMY FINE SAND RESTRICTED AT BOTTOM	Downslope Side Measurements

C. DAILY FLOW – TANKAGE – TREATMENT

DESIGNED MAX SEWAGE FLOW	TRASH/SEPTIC/PUMP TANKS	ADVANCED TREATMENT INFORMATION
360 Gallons Per Day	Type Size (gal) QTY <input checked="" type="checkbox"/> Trash Tank 1000 1 <input type="checkbox"/> Septic Tank _____ _____ <input checked="" type="checkbox"/> Pump Tank 1000 1 <input type="checkbox"/> Other _____ _____	<input checked="" type="checkbox"/> Proprietary Advanced Treatment Manufacturer: NU-WATER Model: BNR 500 <input type="checkbox"/> Non-Proprietary Advanced Treatment Device Type: _____
PROPOSED RESIDENTIAL BEDROOMS 3 Maximum Bedrooms		
PROPOSED TREATMENT LEVEL TL B		

D. DISPERSAL COMPONENT CONSTRUCTION

DISPERSAL COMPONENT SIZING		TRENCH CONSTRUCTION PROFILE
Hydraulic Loading Rate of Dispersal Area: .6 Minimum Dispersal Area (Sq. Ft.) In Primary: 600 Minimum Linear Feet or Dimensions: 200 DISTRIBUTION METHOD <input type="checkbox"/> Gravity Distribution <input checked="" type="checkbox"/> Pressure Distribution <input type="checkbox"/> Drip Irrigation <input type="checkbox"/> Other: _____		A. Percent Slope in Primary: 3 % B. Maximum Trench Depth: 12 inches (Downslope Side Measurements) C. Vertical Separation: >12 inches D. Trench Width: 36" inches E. Additional Cover Required: 12 inches

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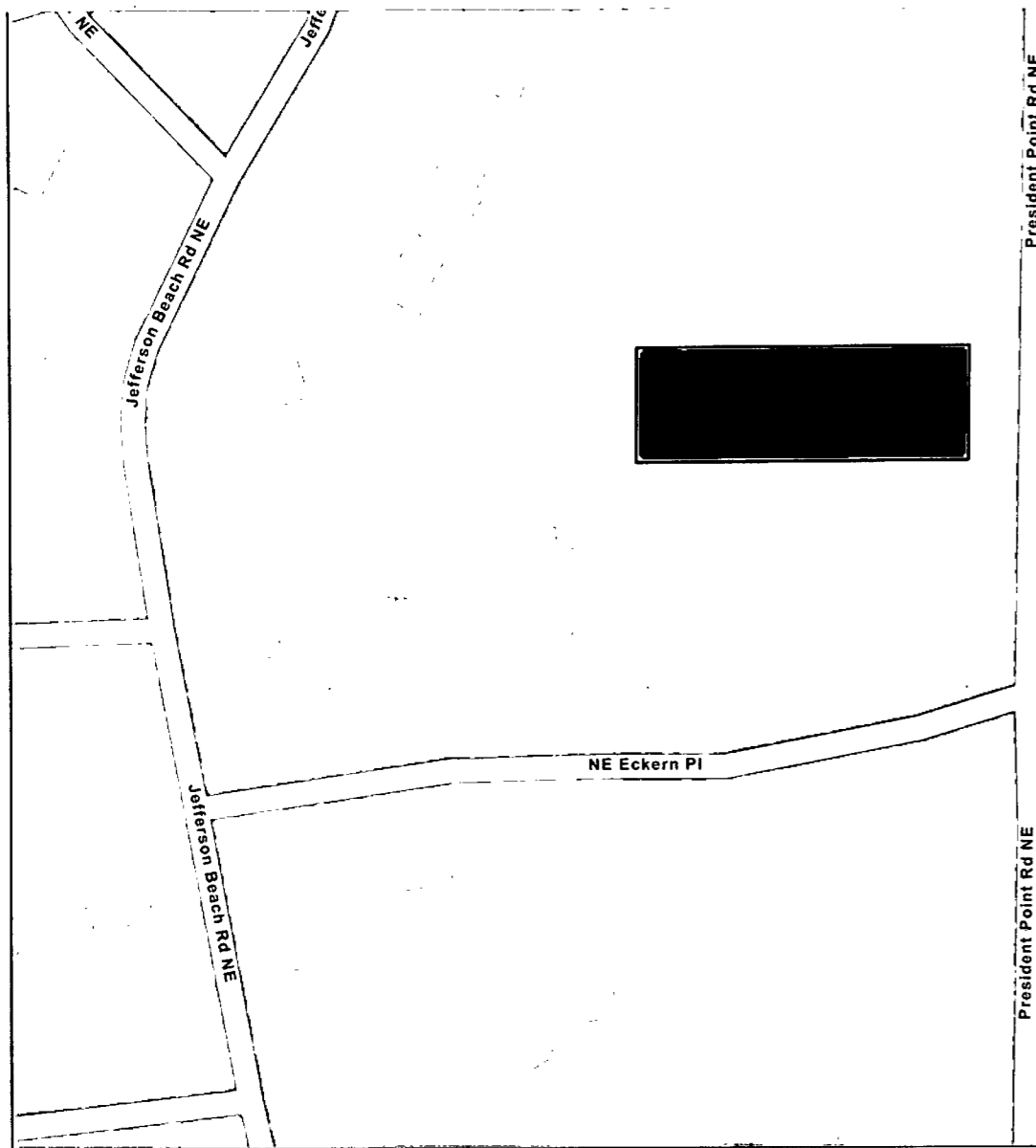
DENIED

JUN 16 2020

Kitsap Public Health District

KITSAP PUBLIC
HEALTH DISTRICT

Permit Number: 20-01955



PROJECT VICINITY MAP

(N.T.S.)



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JUN 16 2020

KITSAP PUBLIC
HEALTH DISTRICT

Kitsap Public Health District

GENERAL NOTES

CONSTRUCTION NOTES, DISCLAIMERS, AND HOMEOWNER INSTRUCTIONS. THESE CONSTRUCTION NOTES, DISCLAIMERS AND INSTRUCTIONS ARE BINDING UPON THE SEPTIC DESIGN AND THE OWNER/GRANTOR OF THE PROPERTY ON WHICH THE SEPTIC DESIGN IS DONE. NO SUBSTITUTIONS CAN BE MADE WITHOUT THE DESIGNER'S APPROVAL.

1. AVOID INSTALLING ANY LATERAL THROUGH OLD GROWTH STUMPS OR OTHER LARGE TREES. IF TREES ARE MARKED ON THE SITE PLAN, DO NOT USE THEM AS BENCHMARKS. INSTALLER IS RESPONSIBLE TO AVOID INSTALLING DRAINFIELD LATERALS THROUGH LARGE TREES OR LARGE STUMPS. STUMPS MAY BE CUT OR GROUND DOWN BELOW FINAL GRADE FOR AESTHETIC CONSIDERATIONS. SECOND GROWTH STUMPS THAT ARE PARTIALLY DECAYED OR ROTTEN, HAVING BEEN LEFT IN THE GROUND FOR A NUMBER OF YEARS, MAY BE REMOVED AT THE INSTALLER'S DISCRETION. CALL THE DESIGNER IF THERE IS A CONCERN ABOUT DAMAGING THE DRAIN FIELD AREA.
2. ALL POTABLE WATER LINES MUST BE AT LEAST TEN FEET AWAY FROM SEPTIC COMPONENTS OR BE SLEEVED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
3. WASTE STRENGTHS NOT TO EXCEED NORMAL STRENGTHS FOR RESIDENTIAL APPLICATIONS. NORMAL RESIDENTIAL SEWAGE WASTE STRENGTHS ARE AS FOLLOWS: CBOD5=125 mg/L; TSS=80 mg/L; AND OIL & GREASE=20 mg/L, OR MEET THE EFFLUENT QUALITY CRITERIA OF THEIR RESPECTIVE TREATMENT LEVEL REQUIRED FOR THEIR SITE.
4. ACTUAL FLOWS SHOULD NOT EXCEED 60% OF MAXIMUM DESIGN FLOW ON A REGULAR BASIS.
5. LOCATION OF SEPTIC TANK OR PUMP TANK MAY CHANGE DEPENDING UPON AESTHETIC CONSIDERATIONS, DECKS, ENTRANCES, ETC., AND SUBJECT TO ALL HEALTH DISTRICT REGULATIONS.
6. FOR ALL STRUCTURES TO BE CONNECTED TO THE O.S.S., INSTALLER AND PROPERTY OWNER MUST VERIFY THE LOCATION OF ALL EXISTING PLUMBING STUB-OUTS BEFORE DETERMINING TANK INSTALLATION DEPTHS. PLUMBING STUBOUT(S) SHOWN ASSUMED UNLESS OTHERWISE STATED ON SITE PLAN.
7. DO NOT ENCROACH UPON OR DISTURB DRAIN FIELD AREAS DURING CONSTRUCTION PHASE.
8. DO NOT MAKE ANY CUTS, FOR DRIVEWAY OR OTHERWISE, GREATER THAN 5' IN HEIGHT/DEPTH, WITHIN 50' DOWN SLOPE OF DRAIN FIELD.
9. LAYOUT OF LATERALS MAY VARY SOMEWHAT DURING CONSTRUCTION PHASE. THE LENGTH MAY CHANGE, THE NUMBER OF LATERALS MAY CHANGE, THE ANGLE OF LATERALS MAY CHANGE WHEN THE LOT IS CLEARED AND FINAL TOPOGRAPHICAL FEATURES ARE EXPOSED.
10. ALL NEW IRRIGATION LINES MUST HAVE DOUBLE CHECK BACK-FLOW PREVENTERS.
11. ALL ACCESS ENCLOSURE LIDS MUST REMAIN AT SURFACE AT FINAL GRADE.
12. DO NOT USE SOIL LOGS AS A BENCHMARK- SOIL LOGS SIMPLY DEFINE SOIL PROFILES. INSTALLER RESPONSIBLE FOR VERIFYING PROPERTY LINE LOCATIONS BEFORE EXCAVATING FOR SEPTIC COMPONENTS.
13. ALL OTHER CONSTRUCTION NOTES ARE A BINDING PART OF THIS DESIGN AND SHOULD BE READ CAREFULLY.
14. ALL KNOWN WELLS THAT IMPACT THE SUBJECT PROPERTY ARE SHOWN TO THE BEST OF OUR KNOWLEDGE AND THE KNOWLEDGE OF THE SUBJECT PROPERTY OWNER.
15. A NEW DESIGN MAY BE REQUIRED IF HOUSE FOOTPRINT AND DRAIN FIELD FOOTPRINT ARE NOT COMPATIBLE, IF VERTICAL SEPARATION CANNOT BE MAINTAINED, OR IF SOILS IN DRAIN FIELD AREA ARE DISTURBED OR ENCROACHED UPON.
16. TOPOGRAPHY SHOWN PER SURVEY INFORMATION PROVIDED BY PROPERTY OWNER/AGENT. 2' CONTOUR INTERVALS SHOWN.
17. ANY SITE PLAN SHOWN IN THIS DESIGN IS NOT A SURVEY, NOR DOES IT PURPORT TO REPRESENT ANY SURVEY INFORMATION. FIELD MEASUREMENTS TAKEN WITH LASER MEASUREMENT EQUIPMENT FROM EXISTING CORNER STAKES PLACED BY OTHERS.
18. IF EASEMENTS EXIST AND ARE NOT SHOWN, IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO DISCLOSE EASEMENT LOCATIONS AND THE PROPERTY OWNER ASSUMES LIABILITY FOR ANY DAMAGES RESULTING FROM THEIR ABSENCE ON THIS DESIGN.
19. THE LOCATION OF ALL PROPERTY LINES AND CORNERS ARE SHOWN PER OWNER-PROVIDED INFORMATION AND/OR PUBLICLY AVAILABLE G.I.S. DATA AND REVIEWED BY THE PROPERTY OWNER BEFORE SUBMISSION TO THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ). DESIGNER DOES NOT ASSUME LIABILITY FOR INCORRECT PROPERTY BOUNDARY INFORMATION.
20. STORM WATER INFILTRATION SYSTEMS, IF REQUIRED, ARE THE RESPONSIBILITY OF THE PROPERTY OWNER OR OWNER'S AGENT.

21. FOR PROPOSED GRAVITY SYSTEMS, A PUMP AND PUMP TANK MAY BE REQUIRED EVEN IF NOT SPECIFIED HEREIN, IF THE FINAL STUB-OUT IS LOWER THAN THE INVERT OF THE LATERALS. THE COST OF A PUMP, PUMP TANK AND ALL OTHER COSTS ASSOCIATED WITH THIS REVISION IS SOLELY ASSUMED BY THE OWNER/APPLICANT.
22. IF VERTICAL SEPARATION CANNOT BE MAINTAINED AS OUTLINED IN THE APPROVED DESIGN AT THE TIME OF INSTALLATION, A NEW DESIGN MAY BE REQUIRED AT THE EXPENSE OF THE OWNER/APPLICANT.
23. INDIGO DESIGN IS NOT RESPONSIBLE FOR CONSTRUCTION PRACTICES DURING INSTALLATION. CONSTRUCTION PRACTICES MUST ADHERE TO ALL STATE AND LOCAL CODES. THIS INCLUDES, BUT IS NOT LIMITED TO, THE STABILIZING OF SLOPES AND SOILS FOR DRAIN FIELD COMPONENTS INCLUDING, BUT NOT LIMITED TO PLACEMENT OF SAND FILTER BOXES, TANKS, AEROBIC DEVICES, ETC... THE DESIGNER IS LIKEWISE NOT HELD RESPONSIBLE FOR ANY EROSION CONTROL PROBLEMS THAT MAY AFFECT THE DRAIN FIELD OR COMPONENTS.
24. INSTALLATION OF ALL PROPRIETARY PRODUCTS AND/OR TREATMENT DEVICES MUST FOLLOW THE MANUFACTURER'S GUIDELINES CAREFULLY. IF ANY CONFLICT EXISTS BETWEEN THOSE GUIDELINES AND THIS DESIGN, CONTACT DESIGNER OF RECORD.
25. INDIGO DESIGN IS NOT RESPONSIBLE FOR ANY TREES, SHRUBS, ORNAMENTAL OR OTHERWISE, OR LANDSCAPING REMOVED AND/OR DAMAGED DURING INSTALLATION. THE DESIGNER IS NOT RESPONSIBLE FOR ANY ROOT DAMAGE DURING ANY PHASE OF INSTALLATION OR CONSTRUCTION.
26. ALL SURFACE WATER MUST BE DIRECTED AWAY FROM THE DRAIN FIELD AREA IF AT ALL POSSIBLE. INSURE THAT FINAL GRADE OF DRAIN FIELD AREA DIRECTS WATER AWAY FROM DRAIN FIELD AREA.
27. COVER MUST BE SAND OR TYPE 3 SOIL AND MUST BE SEEDED AT THE TIME OF INSTALLATION.
28. CURTAIN DRAINS OR INTERCEPTOR DRAINS MAY BE REQUIRED OR DESIRED AT THE TIME OF INSTALLATION EVEN IF NOT SHOWN ON THE DESIGN. ANY COST ASSOCIATED WITH THIS, INCLUDING RE-DESIGN COSTS IF NECESSARY, IS THE RESPONSIBILITY OF THE PROPERTY OWNER/APPLICANT.
29. SEPTIC TANK CONNECTIONS MUST BE WATERTIGHT. DIRECT ALL SURFACE WATER AWAY FROM SEPTIC TANKS IF AT ALL POSSIBLE.
30. DOWN-SLOPE FOOTING DRAINS MUST BE 30' AWAY FROM DRAIN FIELD.
31. DRAIN FIELD INSTALLATION AND SITE WORK TO BE DONE DURING DRY CONDITIONS.
32. WET WEATHER INSPECTIONS, PRE-CONSTRUCTION MEETINGS, POST-CONSTRUCTION MEETINGS, CERTIFICATION SET-UP, RECORD OF CONSTRUCTION DRAWINGS, AND OTHER INSPECTIONS ARE NOT INCLUDED IN DESIGN FEES.
33. ALL COMPONENTS MUST BE SECURED WITH STAINLESS STEEL SCREWS/BOLTS (IF APPLICABLE) AND EASILY ACCESSIBLE FOR SERVICING AT FINAL-GRADE, INCLUDING THE ENDS OF PRESSURE LATERALS, OBSERVATION PORTS, PUMP TANK LIDS, SEPTIC TANK LIDS, AND ANY COMPONENTS AS SHOWN ON THE SITE PLAN AND/OR DETAIL SHEETS.
34. THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL. INDIGO INDIGO DESIGN IS NOT RESPONSIBLE FOR ANY DAMAGE THAT MAY RESULT.
35. PROPERTY OWNER ASSUMES RESPONSIBILITY FOR FILLING SOIL LOGS AFTER ALL NECESSARY INSPECTIONS MADE BY THE AHJ.
36. BURNING, VEHICULAR TRAFFIC, OR ENCROACHMENT OF ANY KIND OVER-TOP OF THE DRAIN FIELD OR TANK AREAS WILL VOID ANY AND ALL WARRANTIES.
37. SEPTIC TANK OUTLET FILTER OR VAULT SCREEN TYPE FILTER IS REQUIRED IF SHOWN ON DESIGN SHEETS. INDIGO DESIGN IS NOT RESPONSIBLE FOR ANY DAMAGE THAT MAY RESULT FROM LACK OF FILTRATION.
38. THIS SYSTEM REQUIRES A CERTAIN DEGREE OF MAINTENANCE. CERTIFICATION AND INSTALLATION APPROVALS DO NOT GUARANTEE TROUBLE-FREE USE.
39. USE OF ANY SEPTIC SYSTEM ADDITIVES MAY RESULT IN DAMAGE, AND WILL VOID ANY AND ALL WARRANTIES.
40. PROPERTY OWNER, OWNER'S AGENT, OR APPLICANT AND INSTALLER MUST ADHERE TO ALL REGULATIONS PERTAINING TO ON-SITE SEPTIC SYSTEM AS SET FORTH BY THE STATE AND LOCAL AHJ.
41. AVOID DISPOSING OF HOUSEHOLD GARBAGE OR OTHER MATERIALS INTO THE SEPTIC SYSTEM. ONLY TOILET PAPER AND HUMAN WASTE SHOULD BE FLUSHED DOWN THE TOILET. MISUSE WILL RESULT IN DAMAGE TO YOUR SYSTEM AND WILL VOID ANY AND ALL WARRANTIES.
42. THESE NOTES, INSTRUCTIONS, AND DISCLAIMERS BECOME A BINDING PART OF THIS DESIGN UPON APPROVAL BY THE AHJ.
43. THIS DESIGN DOES NOT GUARANTEE THAT A BUILDING PERMIT WILL BE ISSUED BY THE AHJ.
44. CONTACT DESIGNER OF RECORD WITH ANY PROPOSED MODIFICATIONS TO THIS DESIGN, OR WITH ANY QUESTIONS REGARDING IMPLEMENTATION.

CLIENT:

FERGUSON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT

SHEET ID:

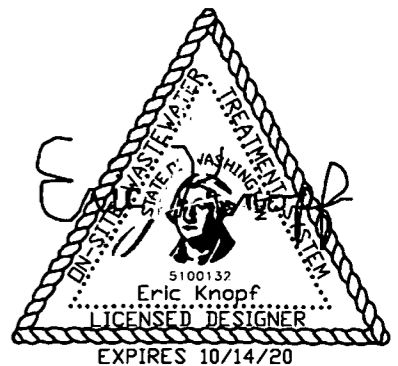
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GRAPHIC SCALE:

REVISIONS:

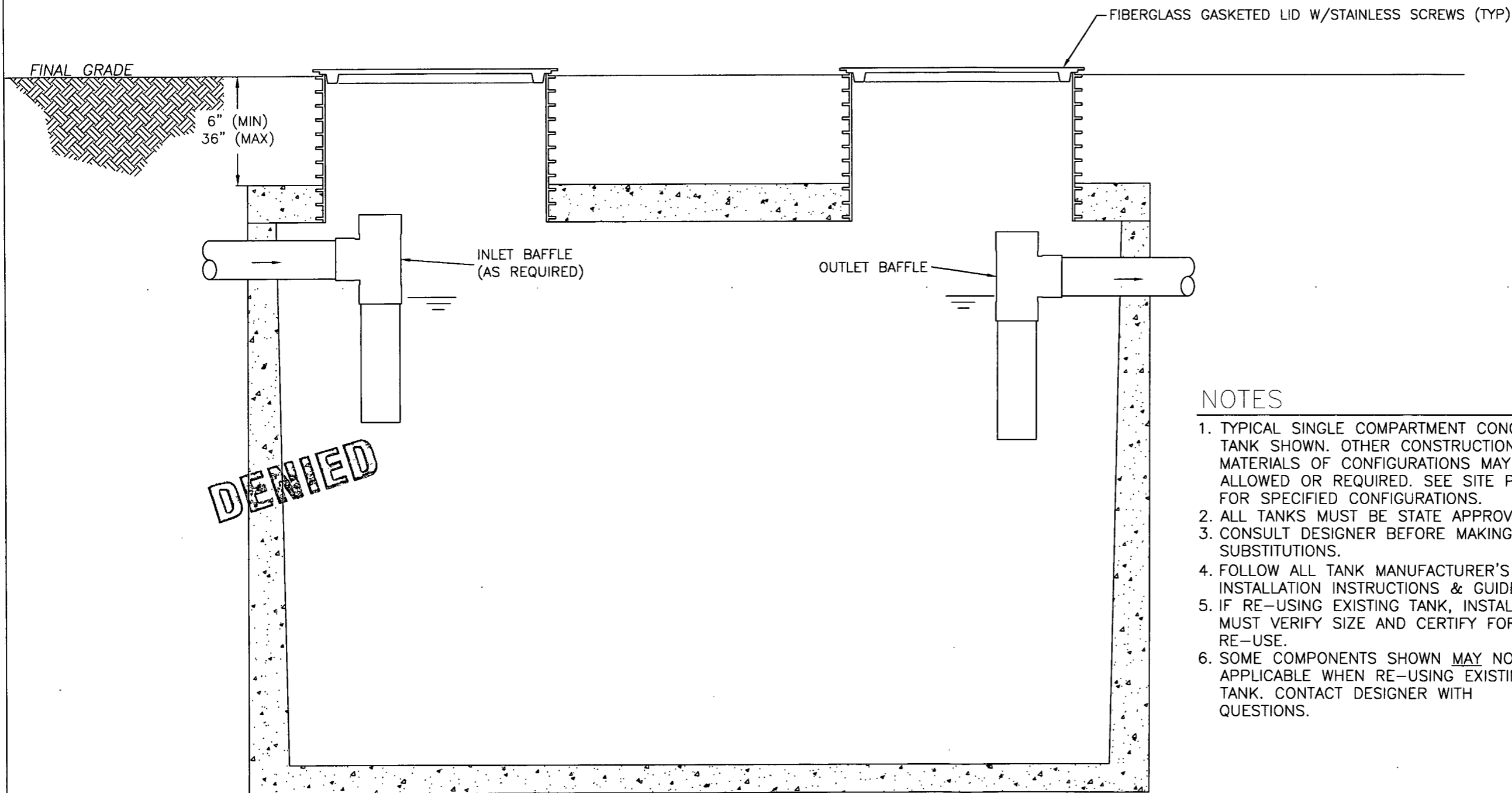
INDIGO
DESIGN INC.

P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



SHEET # OF SHEETS

Permit Number: 20-01955



NOTES

1. TYPICAL SINGLE COMPARTMENT CONCRETE TANK SHOWN. OTHER CONSTRUCTION MATERIALS OF CONFIGURATIONS MAY BE ALLOWED OR REQUIRED. SEE SITE PLAN FOR SPECIFIED CONFIGURATIONS.
2. ALL TANKS MUST BE STATE APPROVED
3. CONSULT DESIGNER BEFORE MAKING SUBSTITUTIONS.
4. FOLLOW ALL TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS & GUIDELINES.
5. IF RE-USING EXISTING TANK, INSTALLER MUST VERIFY SIZE AND CERTIFY FOR RE-USE.
6. SOME COMPONENTS SHOWN MAY NOT BE APPLICABLE WHEN RE-USING EXISTING TANK. CONTACT DESIGNER WITH QUESTIONS.

RECEIVED

JUN 16 2020

KITSAP PUBLIC
HEALTH DISTRICT

CLIENT:

FERGUSON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT

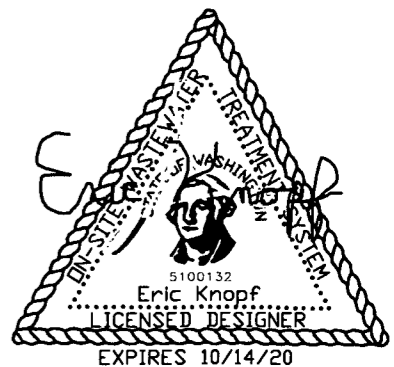
SHEET ID:

T-200

REVISIONS:

**INDIGO
DESIGN INC.**

P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



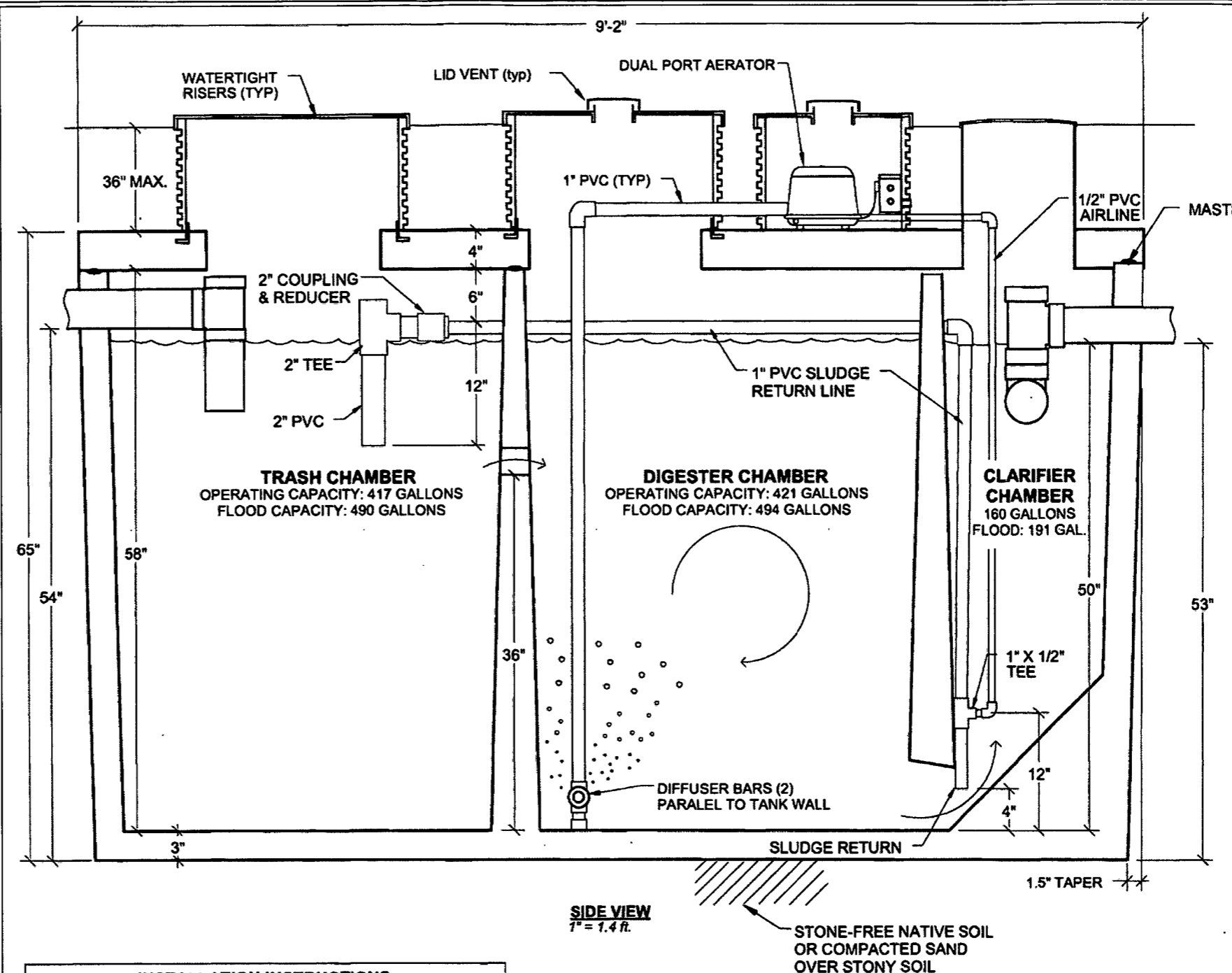
1,000 GALLON TRASH TANK (TYPICAL)

(N.T.S.)

Kitsap Public Health District

Permit Number: 20-01955

SHEET # OF SHEETS



NOTES

1. CONSULT DESIGNER BEFORE MAKING SUBSTITUTIONS.
2. FOLLOW ALL TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS & GUIDELINES.

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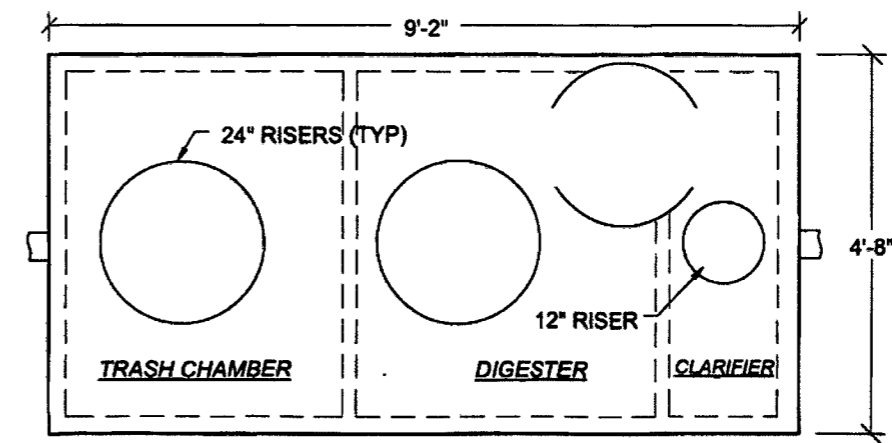
JUN 16 2020

KITSAP PUBLIC
HEALTH DISTRICT

INSTALLATION INSTRUCTIONS

- 1) Excavate tank hole with vertical walls to 1 foot larger than tank on all sides.
- 2) If bottom of hole is stony, install 3" of compact sand & level out with screed.
- 3) Install tank in center of hole, keeping 1 ft. void space on all sides.
- 4) As tank is filling with water, fill in void space with compact granular (sandy) soil free of large clumps of clay.
- 5) Install rest of system, & affix risers to adapters with waterproof adhesive.
- 6) Perform watertightness test in field as required by local jurisdiction.
- 7) Upon approval to backfill, carefully backfill with native soils over top of tank.
- 8) Final grade the surface to avoid channelling surface water toward tank.

(N.T.S.)



TOP VIEW
1" = 2.8 ft.

CLIENT:

FERGUSON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT

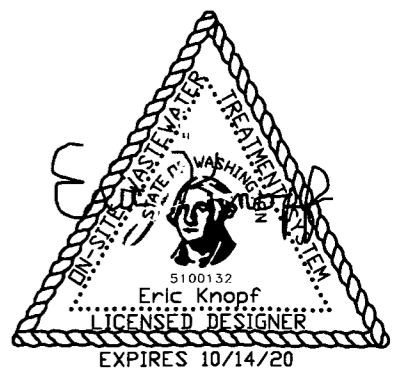
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T-202

REVISIONS:

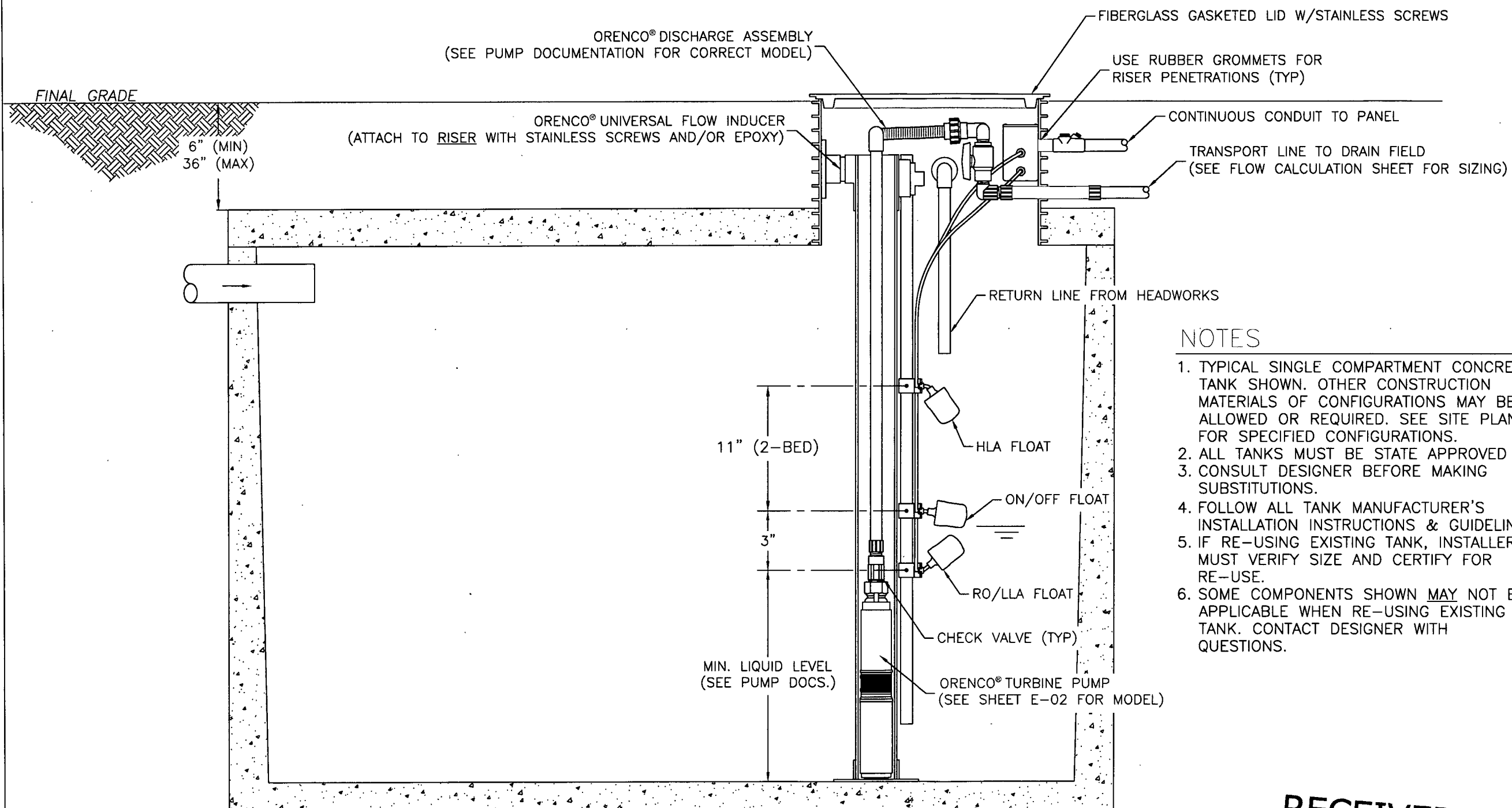
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360-779-5233



SHEET # OF SHEETS

Permit Number: 20-01955



NOTES

1. TYPICAL SINGLE COMPARTMENT CONCRETE TANK SHOWN. OTHER CONSTRUCTION MATERIALS OF CONFIGURATIONS MAY BE ALLOWED OR REQUIRED. SEE SITE PLAN FOR SPECIFIED CONFIGURATIONS.
2. ALL TANKS MUST BE STATE APPROVED
3. CONSULT DESIGNER BEFORE MAKING SUBSTITUTIONS.
4. FOLLOW ALL TANK MANUFACTURER'S INSTALLATION INSTRUCTIONS & GUIDELINES.
5. IF RE-USING EXISTING TANK, INSTALLER MUST VERIFY SIZE AND CERTIFY FOR RE-USE.
6. SOME COMPONENTS SHOWN MAY NOT BE APPLICABLE WHEN RE-USING EXISTING TANK. CONTACT DESIGNER WITH QUESTIONS.

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KITSAP PUBLIC
HEALTH DISTRICT

CLIENT:

FERGUSON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT

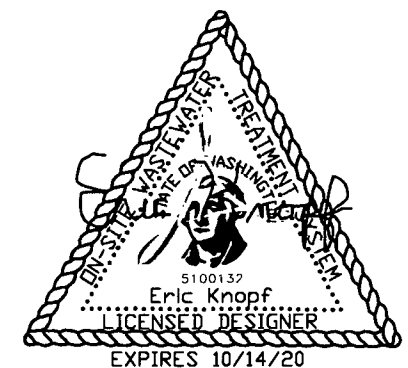
SHEET ID:

T-203

REVISIONS:

**INDIGO
DESIGN INC.**

P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233



1,000 GALLON DOSE TANK (TYPICAL)

(N.T.S.)

Kitsap Public Health District

Permit Number: 20-01955

SHEET # OF SHEETS

Pump Selection for a Pressurized System - Single Family Residence Project

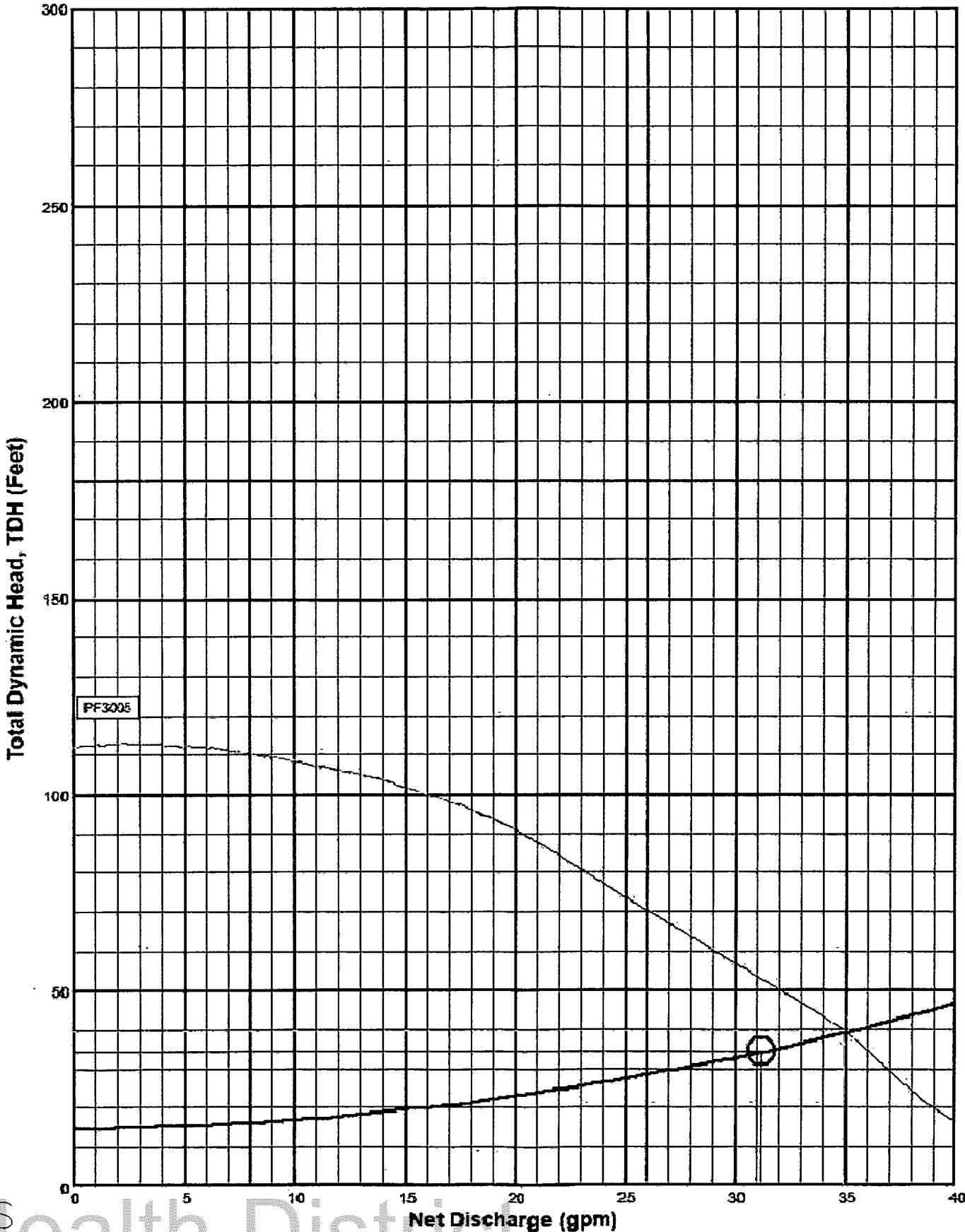
Parameters		
Discharge Assembly Size	1.25	inches
Transport Length	150	feet
Transport Pipe Class	40	
Transport Line Size	2.00	inches
Distributing Valve Model	None	
Max Elevation Lift	15	feet
Manifold Length	10	feet
Manifold Pipe Class	40	
Manifold Pipe Size	2.00	inches
Number of Laterals per Cell	8	
Lateral Length	25	feet
Lateral Pipe Class	40	
Lateral Pipe Size	1.00	inches
Orifice Size	1/8	inches
Orifice Spacing	3	feet
Residual Head	5	feet
Flow Meter	None	inches
'Add-on' Friction Losses	5	feet

Calculations		
Minimum Flow Rate per Orifice	0.43	gpm
Number of Orifices per Zone	72	
Total Flow Rate per Zone	31.2	gpm
Number of Laterals per Zone	8	
% Flow Differential 1st/Last Orifice	0.8	%
Transport Velocity	2.9	fps

Frictional Head Losses		
Loss through Discharge	6.8	feet
Loss in Transport	2.5	feet
Loss through Valve	0.0	feet
Loss in Manifold	0.0	feet
Loss in Laterals	0.1	feet
Loss through Flowmeter	0.0	feet
'Add-on' Friction Losses	5.0	feet

Pipe Volumes		
Vol of Transport Line	26.1	gals
Vol of Manifold	1.7	gals
Vol of Laterals per Zone	8.9	gals
Total Volume	36.9	gals

Minimum Pump Requirements		
Design Flow Rate	31.2	gpm
Total Dynamic Head	34.5	feet



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HEALTH DISTRICT

System Curve:	—
Pump Curve:	—
Pump Optimal Range:	—
Operating Point:	●
Design Point:	○

CLIENT:
FERGUSON & COLE

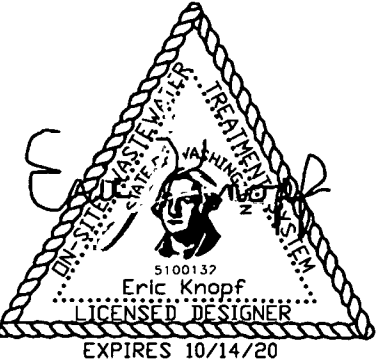
TAX ID. #
4381-000-072-0004

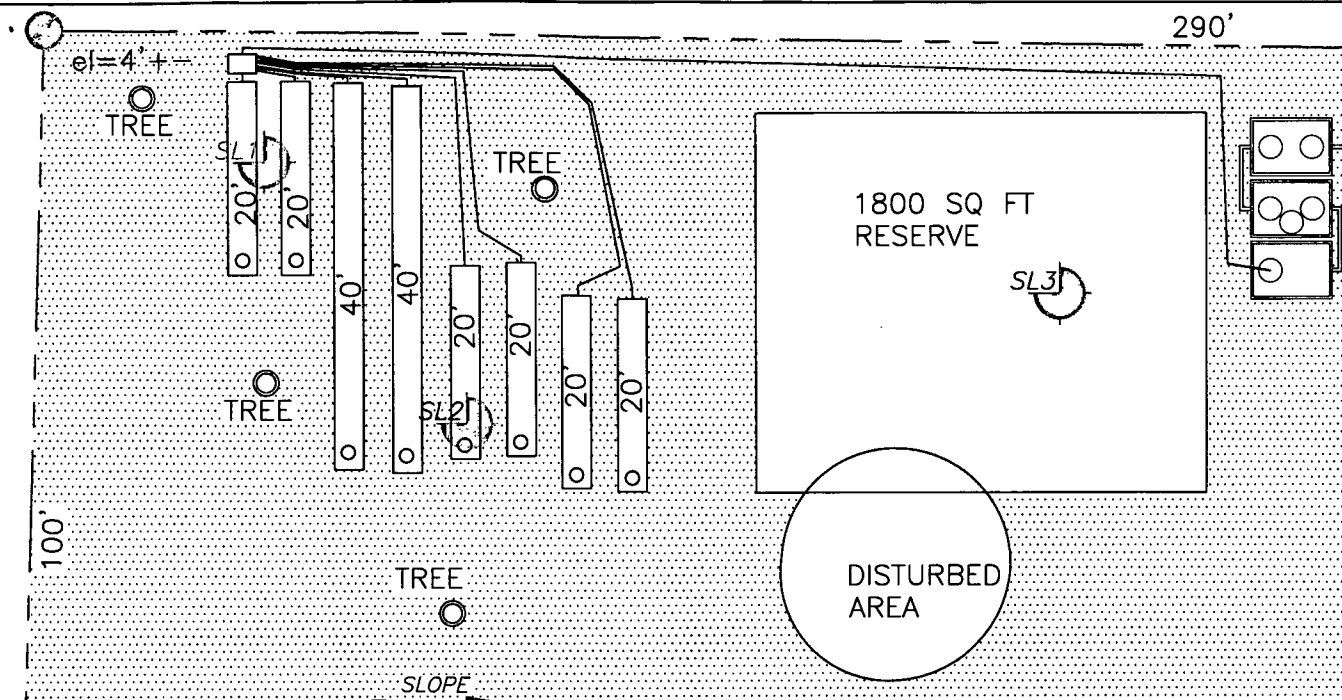
SITE ADDRESS:
PRESIDENT POINT

SHEET ID:
E-202

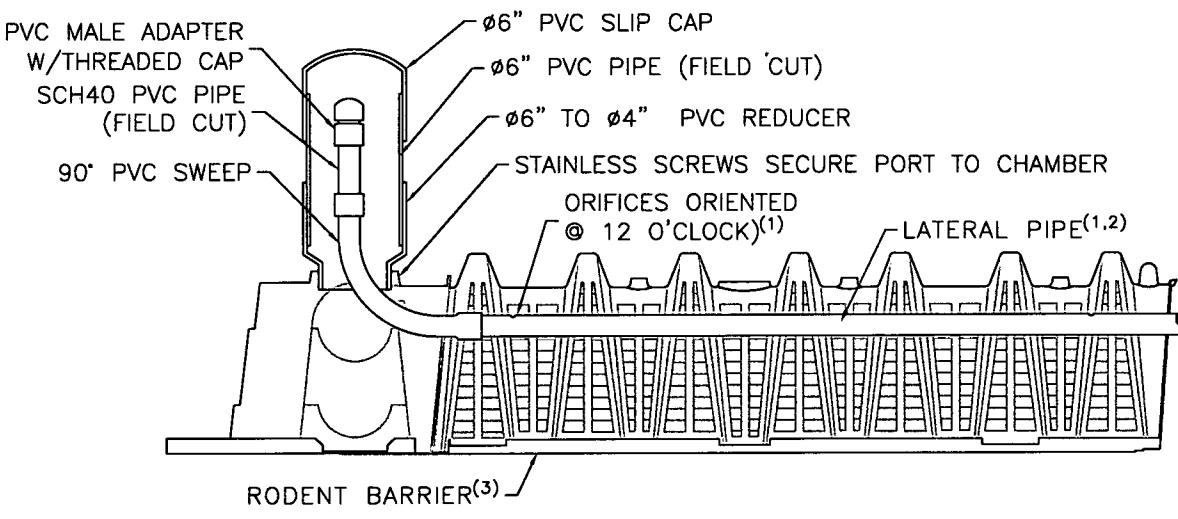
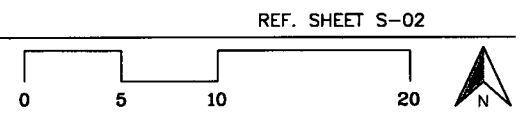
REVISIONS:

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POULSBORO, WASHINGTON 98370
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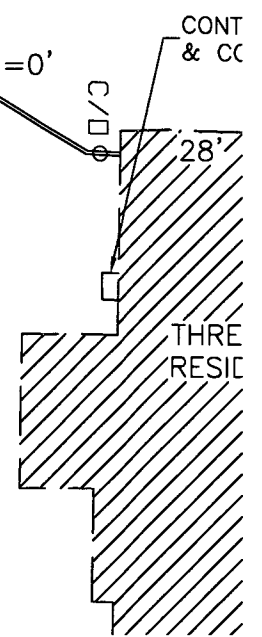


1 PLAN - DRAIN FIELD

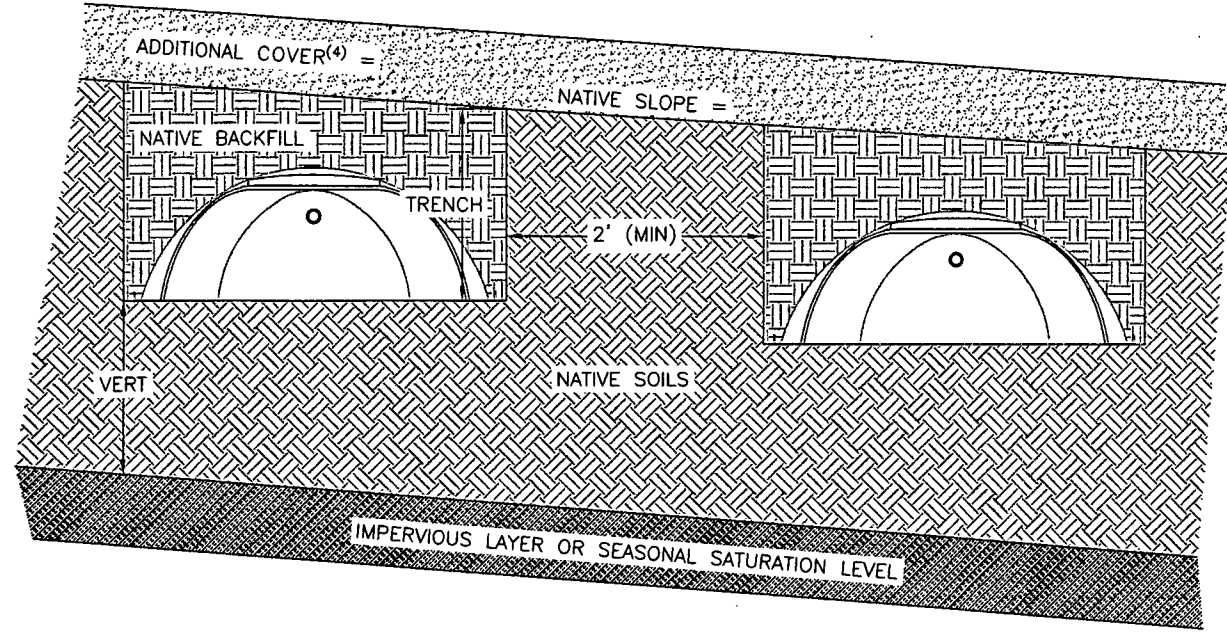


A SECTION - LATERAL END

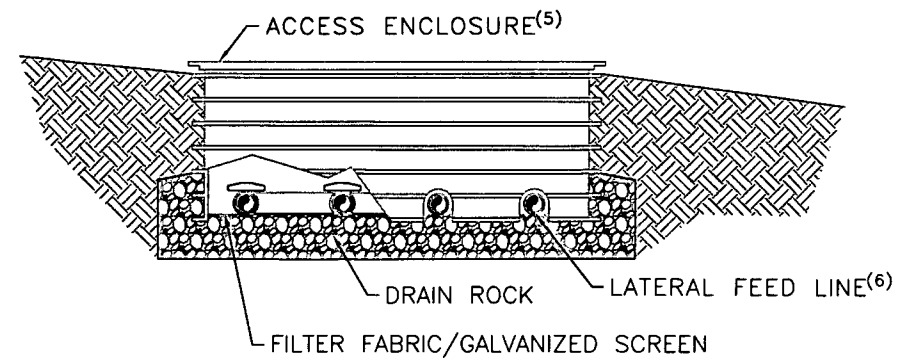
- NOTES**
1. SEE SHEET E-202 FOR PIPE/COMPONENT SIZING & CONFIGURATION.
 2. HANG LATERAL PIPES FROM TOP OF CHAMBER USING 100# POLY TIES. FOLLOW ALL MANUFACTURER RECOMMENDATIONS & GUIDELINES.
 3. INSTALL GALVANIZED STEEL HARDWARE SCREEN BELOW GRAVELLESS CHAMBER. TO PREVENT POTENTIAL RODENT INFILTRATION. SEE MANUFACTURER'S SPECIFICATIONS FOR RECOMMENDATIONS.
 4. MINIMUM OF 6" REQUIRED ABOVE DISPERSAL COMPONENT. SEED FINAL COVER (GRASS RECOMMENDED).
 5. ACCESS ENCLOSURE SHOULD BE LARGE ENOUGH TO ALLOW FOR EASY OPERATION OF ANY VALVES/COMPONENTS CONTAINED WITHIN.
 - 6.



2 DETAIL - FLOW SPLITTER (TYP)



B SECTION - TRENCH



3 DETAIL - ACCESS ENCLOSURE (TYP)

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KITSAP PUBLIC
HEALTH DISTRICT

CLIENT:
FERGUSON & COLE

TAX ID. #
4381-000-072-0004

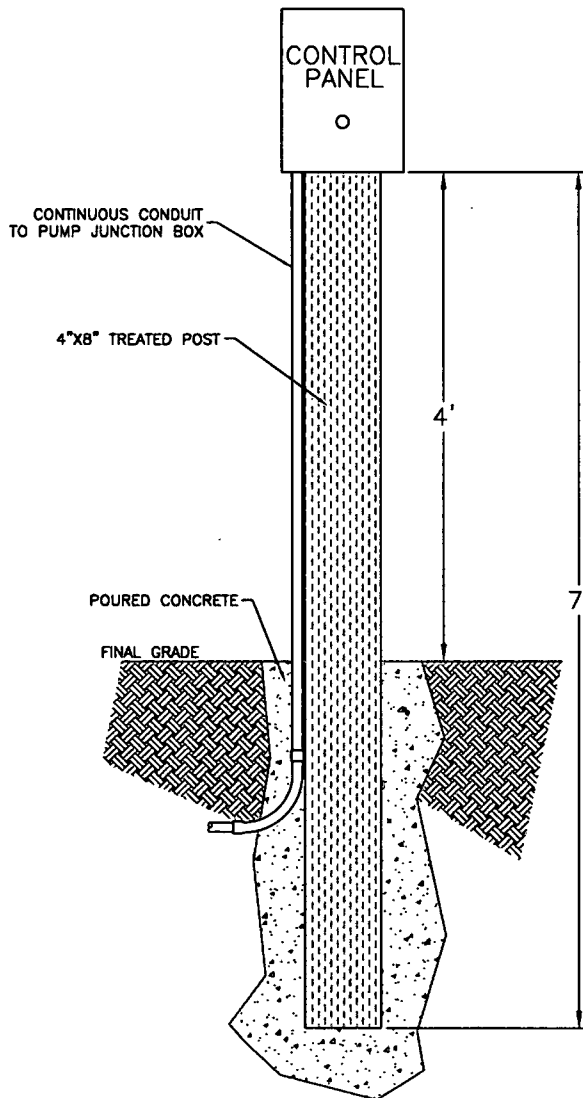
SITE ADDRESS:
PRESIDENT POINT

SHEET ID:
D-201

REVISIONS:

INDIGO DESIGN INC.
P.O. BOX 163
POULSBORO, WASHINGTON 98370
360-779-5233





NOTES

1. LOCATE CONTROL PANEL WITHIN VIEW OF PUMP TANK ACCESS LID.
2. CONTROL PANEL MAY ALSO BE INSTALLED ON EXTERIOR WALL IF INSULATORS ARE USED TO DAMPEN POSSIBLE MOTOR CONTACTOR NOISE.
3. INSTALL CONTROL PANEL IN AN EASILY ACCESSIBLE AND SHADY AREA (IF POSSIBLE) TO AVOID TEMPERATURE EXTREMES WHICH CAN BE DETRIMENTAL TO ELECTRICAL COMPONENTS.

CONTROL PANEL MODEL SPECIFIED:

NuWATER PANEL

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KITSAP PUBLIC
HEALTH DISTRICT

○ CONTROL PANEL (TYP)

(N.T.S.)

CLIENT:

FERGUSON & COLE

TAX ID. #

4381-000-072-0004

SITE ADDRESS:

PRESIDENT POINT

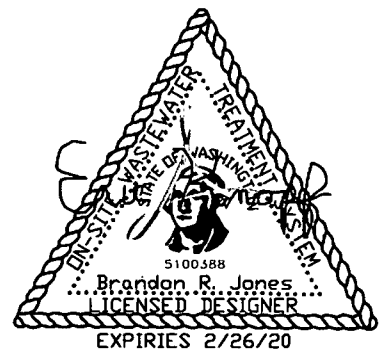
SHEET ID:

E-201

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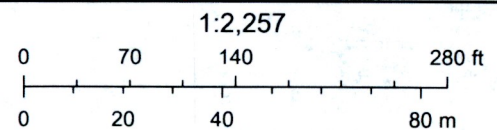
SHEET # OF SHEETS

KPHD Web Map



6/22/2020, 11:42:13 AM

 Parcels



Kitsap Public Health District

Permit Number: 20-01955

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS.

Notice of Pending Building Site Application with Public Water Supply

07/02/2020

FERGUSON & COLE INC
26221 PIONEER WAY NW
Poulsbo, WA 98370Tax ID: 4381-000-072-0004
Site Address: 20879 PRESIDENT PT.
Memo #: 76159
Water Source Type: Public
Water System Name: KPUD

Dear Applicant,

This checklist expires on 7, 16, 2023.

Your Building Site Application has been reviewed and a determination made that the soils and/or septic system plans have been given preliminary approval. However, the items listed below need to be submitted for review prior to final approval of your application may be granted. Your application has been placed in our pending files.

1. A current, three-year water availability letter from an approved public water system must be submitted. The water availability letter must be for a **Binding** commitment for water service, and must not expire 90 days prior to the building site application expiration date.

Please be aware that further review of your application cannot proceed until these items are submitted to the Health District. Additional information may be requested in the future based upon continued review.

You may track the status of your application online at www.kitsappublichealth.org; click on the "Application status" button on the bottom of the page.

If you have any questions regarding this pending letter you may contact me at (360) 728-2223 or tim.quayle@kitsappublichealth.org.

Thank you for your cooperation.

Sincerely,



Timothy Quayle, RS
Senior Environmental Health Specialist
Drinking Water and Onsite Sewage Program

cc: INDIGO DESIGN & MAINTENANCE SPECIALISTS

20879 PRESIDENT POINT RD NE Kingston

CHRONOLOGICAL CONTROL SHEET

Building Site Application - Residential

Applicant: FERGUSON & COLE INC

Tax ID: 4381-000-072-0004

Memo: 76159

BP: N/A

DCD-LU: N/A

Contractor: INDIGO DESIGN & MAINTENANCE SPECIALISTS

[illegible]