



Designer

C.E.S. NW Inc.
Shaun Freeman
429 29th St NE, Suite D
Puyallup, WA 98372-

Applicant/Owner Name

HC HOMES INC
PO BOX 7707
Bonney Lake, WA 98391--096

Site Address: 409 43rd AVE SW, Puyallup

Application ID: SR0285305

Parcel Number: 0419095022

Application Type:

Application Received Date: 06/02/2023

Onsite Septic System Design Renewal of Site Approval

Application Expiration Date: 01/24/2024

Onsite Septic System Approval Status: APPROVED 6/12/2023

Water Approval Status: APPROVED 6/12/2023

Project Status: APPROVED 06/12/2023

Next Steps:

1. **A septic permit must be released prior to installation.** Notify your designer/engineer of which certified installation firm is contracted to install the septic system. A list of certified installation firms is available on-line at www.tpchd.org/septic.

Your designer/engineer will contact us to release the permit to the installation firm.

2. If your project requires a building permit, take a copy of your onsite septic and water source approval to the Building Department for a building permit.
3. After your septic system is installed and is inspected by the Health Department, your septic designer/engineer must submit a record drawing to the Health Department for approval. Once the record drawing is approved, a copy will be mailed to you.

If you have a building project, you may take a copy of your approved record drawing to the Building Department for your

Check your application status online at <https://eco.tpchd.org/#/pa2/detail/SR0285305/SR0285305?SRID=SR0285305>.

Resubmittals can be submitted online via your original application or emailed to ehsepticstystems@tpchd.org.

NOTE: THIS IS NOT A SURVEY

HOMEOWNER NOTES:

THIS SEPTIC SYSTEM IS NOT RATED FOR USE WITH A GARBAGE DISPOSAL.

THIS SEPTIC SYSTEM CONTAINS A PROPRIETARY TREATMENT DEVICE REQUIRING ANNUAL OPERATIONS AND MAINTENANCE. YOU WILL BE REQUIRED TO PROVIDE EVIDENCE OF YOUR ANNUAL O&M CONTRACT WITH A CERTIFIED SERVICE PROVIDER PRIOR TO TPCD AS-BUILT APPROVAL.

IT IS THE INSTALLERS RESPONSIBILITY TO ENSURE THAT THERE IS SUFFICIENT WATER IN THE PUMP TANK FOR DRAWDOWN TESTING.

THE BUILDER OR HOMEOWNER IS RESPONSIBLE FOR NOTIFYING THE DESIGNER WHEN THE PUMP CONTROL PANEL HAS BEEN WIRED. FAILURE TO PROVIDE SUFFICIENT NOTICE MAY DELAY COMPLETION OF THE FINAL RECORD DRAWING / FINAL OCCUPANCY CERTIFICATE ISSUANCE.

SOIL LOG INFORMATION
PER PENINSULA SEPTIC DESIGNS, SANDRA R. SMITH

12/6/2018

SL1

0-9 BLACK LOAMY GRAVELLY SAND

9-23 FINE BROWN GRAVELLY SAND

23-60 MEDIUM GRAY GRAVELLY SAND

9/24/2020

SLA

0-25 BROWN SAND & COBBLES

25-65 MEDIUM GRAY SAND & COBBLES

SLB

0-24 BROWN SAND & COBBLES

24-60 MEDIUM GRAY SAND & COBBLES

PROJECT DESCRIPTION:

RENEWAL OF PREVIOUS OSS DESIGN APPROVAL FILED UNDER SR0256182

CONSTRUCT NEW 4-BR DUPLEX

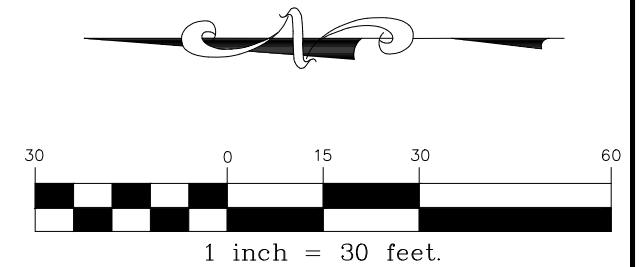
(2-BR EA. UNIT)

INSTALL 500-GAL TRASH TANK AT EACH UNIT.

INSTALL SHARED NU-WATER BNR 500 ATU.

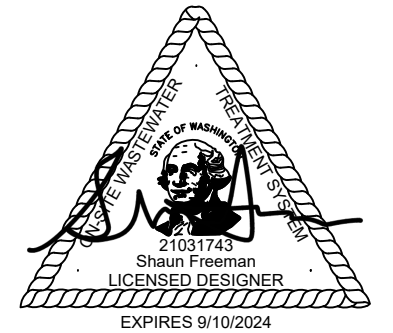
INSTALL SHARED PUMP TANK.

INSTALL SHARED 480-GPD DRAINFIELD (PRESSURE BED).



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On-Site Sewage
Approved for Permit Release

Kristen Farley, RS
06/12/2023



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HC HOMES
JOB NO. 20069

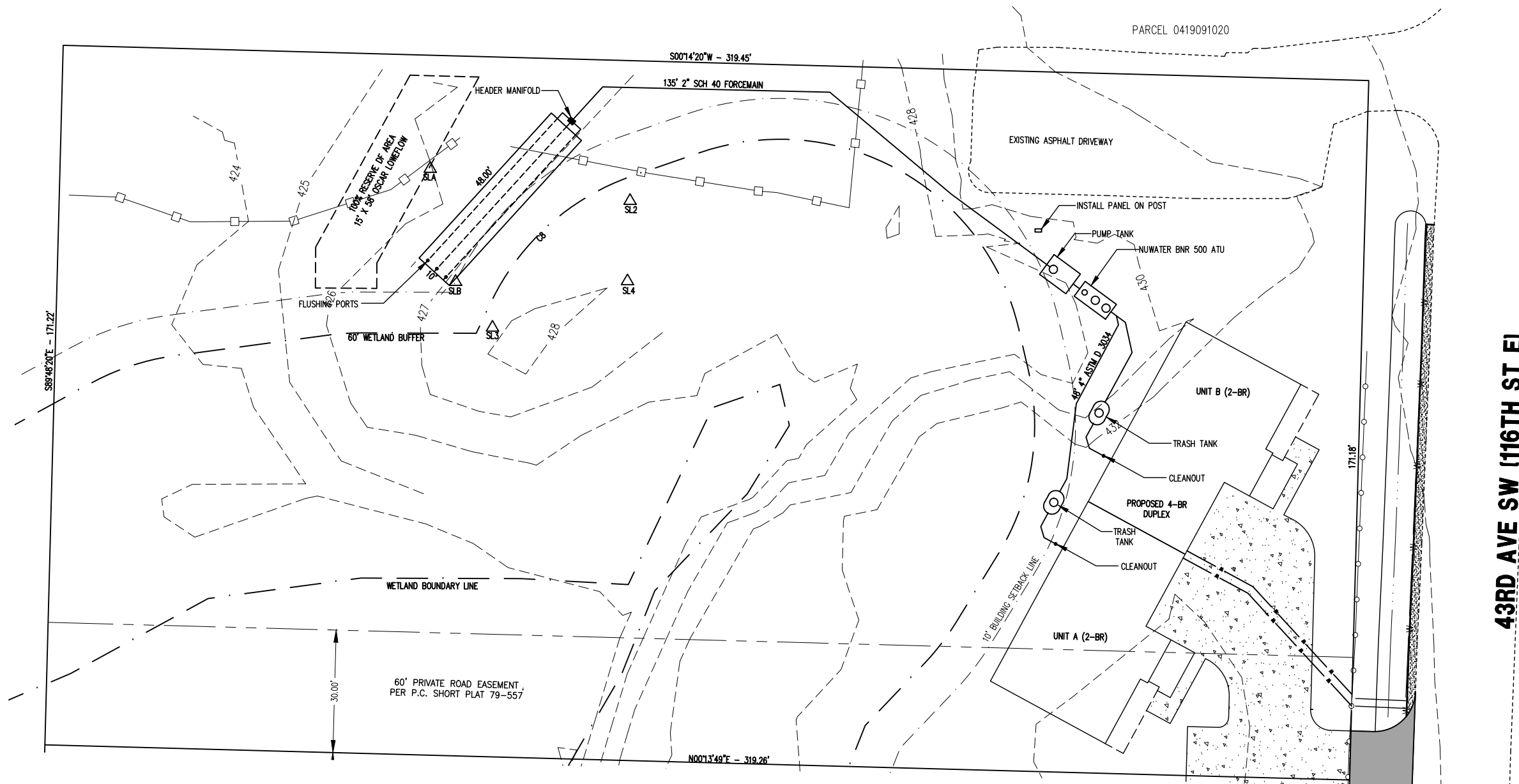
PROPERTY INFORMATION:
PARCEL: 0419095022
SITE ADDRESS: 409 43RD AVE SW
PUYALLUP, WA, 98373

DRAWN: SF 5/26/23 PG 1 OF 2

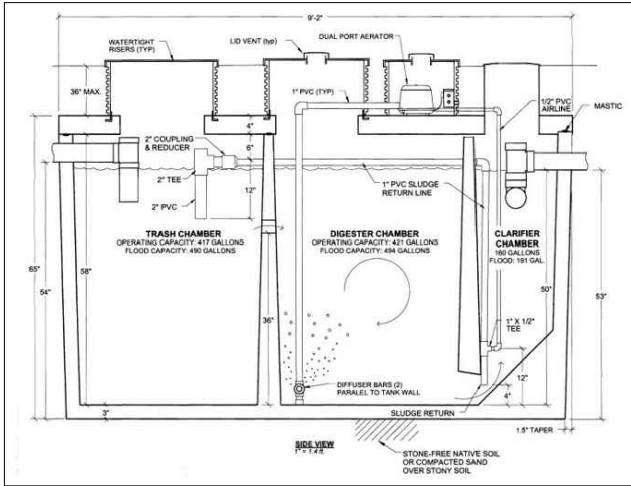
C.E.S. NW INC.

CIVIL ENGINEERING & SURVEYING

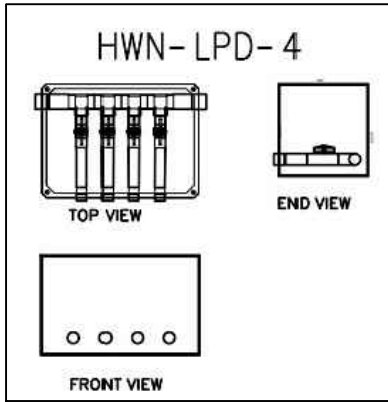
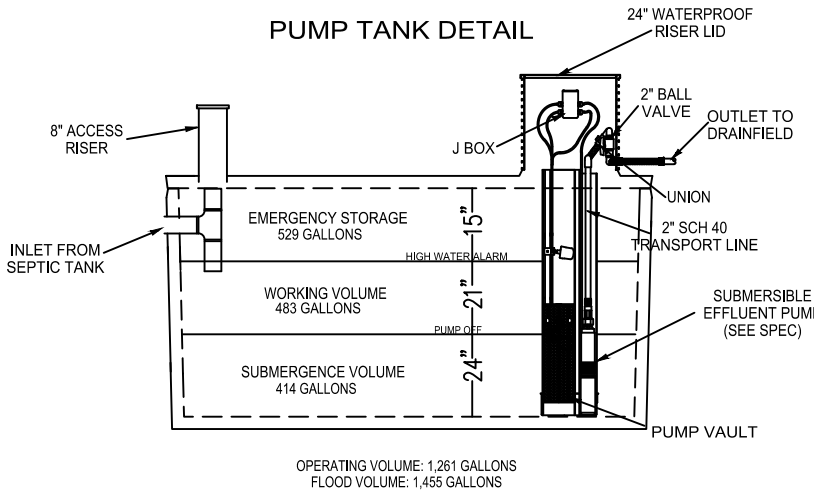
429 - 29TH ST. NE, SUITE D PUYALLUP, WA 98372 PH: (253) 848-4282 ceservices@cesnwinco.com



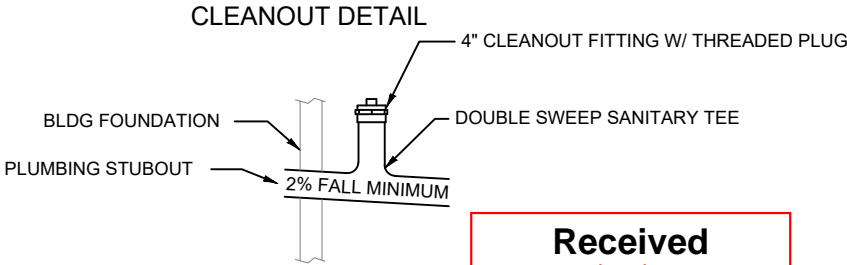
NUWATER BNR 500



PUMP TANK DETAIL



CLEANOUT DETAIL

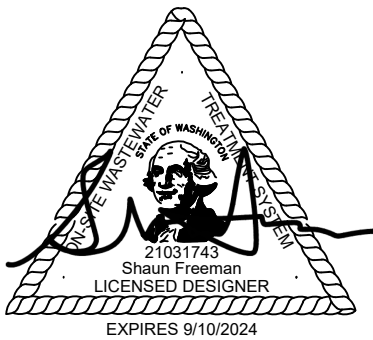


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Tacoma-Pierce County Health Department

PHAB



OSS INFORMATION:

MAX DAILY SEWAGE FLOW: 480 GPD
SOIL APPLICATION RATE: 1.0 GAL / FT² / DAY
INFILTRATIVE SURFACE AREA: 480 SF

LATERAL INFORMATION:

DRAINFIELD DIMENSIONS: 10' X 48'
NUMBER OF LATERALS: 3
LATERAL PIPE DIAMETER: 1-IN
PIPE CLASS: 40
ORIFICE SIZE: 1/8-IN
ORIFICE SPACING: 36-IN
TOTAL NUMBER OF ORIFICES: 48
BED INSTALLATION DEPTH: 12"
ADDITIONAL COVER REQUIRED: 9"

CONTROL PANEL INFORMATION:

NU-WATER S1

TRANSPORT LINE INFORMATION:

FORCEMAIN LENGTH: 135
FORCEMAIN PIPE DIAMETER: 2
PIPE CLASS: SCH 40

PUMP INFORMATION:

RESIDUAL HEAD AT LAST ORIFICE: 5'
PUMP CAPACITY: 22.4 GPM
TOTAL DYNAMIC HEAD: 18.0'
USE ORENCO PF3005 OR EQUIVALENT

MANIFOLD INFORMATION:

HWN-LPD-4

DOSING INFORMATION:

DOSE SIZE: 80-GAL
DOSE SCHEDULE: 6 DOSES / DAY

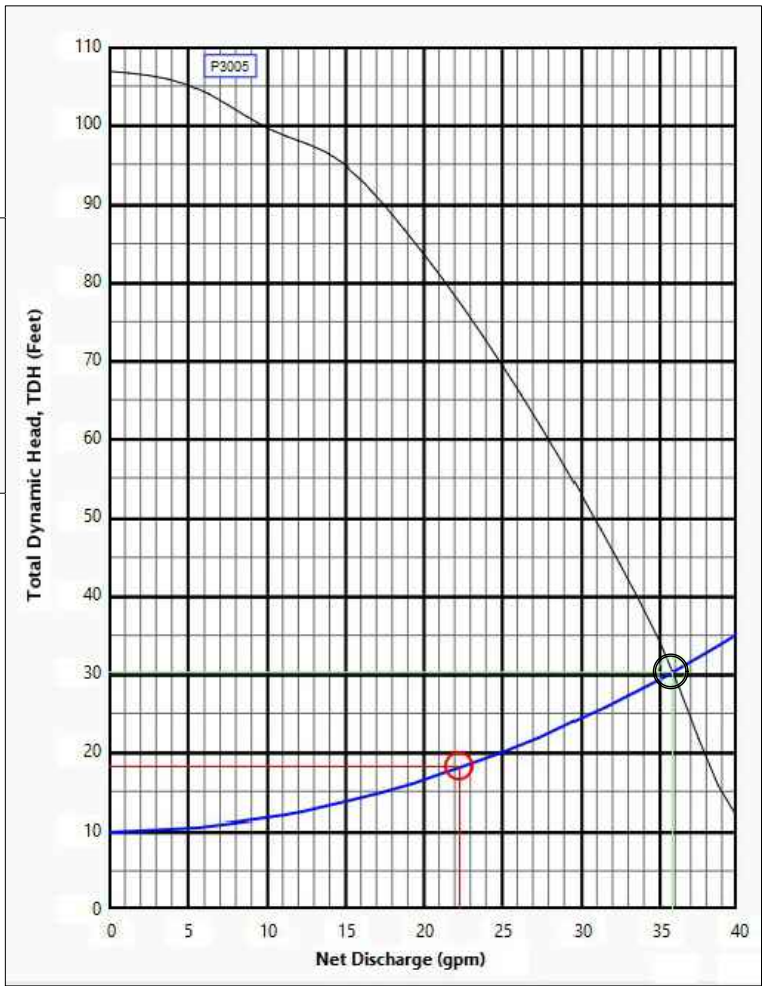
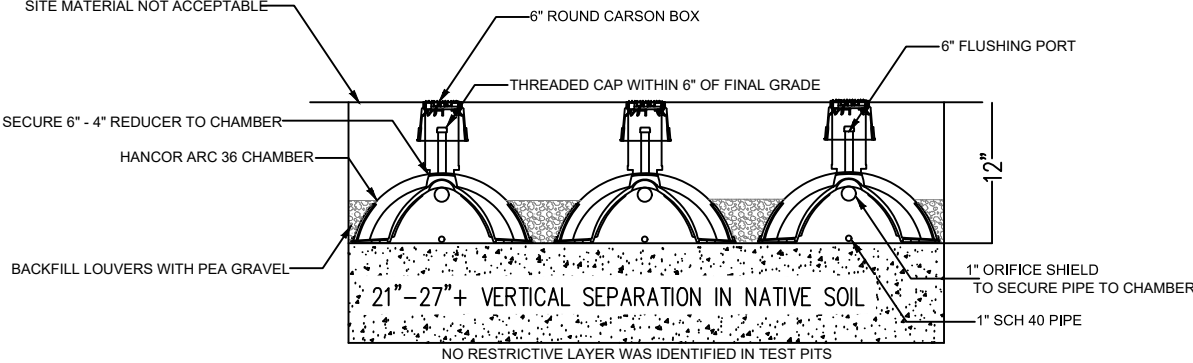
TANK INFORMATION:

TRASH TANK: 500-GAL EA. (X2)
ATU: NUWATER BNR 500
PUMP TANK: 1,250-GAL (MIN)

ELEVATIONS:

UNIT A STUBOUT: 433'
UNIT A TT INLET: 432'
UNIT A TT OUTLET: 431' 10"
UNIT B STUBOUT: 432'
UNIT B TT INLET: 431'
UNIT B TT OUTLET: 430' 10"
SHARED ATU INLET: 429'
SHARED ATU OUTLET: 428' 10"
SHARED PT INLET: 428' 8"
SHARED PT OUTLET: 425' 8"
HIGHEST LATERAL: 427'

BACKFILL TRENCH WITH SANDY LOAM OR BETTER
SITE MATERIAL NOT ACCEPTABLE



SEPTIC SYSTEM INSTALLATION NOTES:

1. THE INSTALLER MUST TAKE ALL PRECAUTIONARY STEPS NECESSARY TO LOCATE AND PROTECT ALL EXISTING UTILITIES AND SENSITIVE INFRASTRUCTURE PRIOR TO EXCAVATION IN ANY AREA.
2. THE INSTALLER MUST VERIFY UTILITY LOCATIONS AND NOTIFY LOCAL UTILITY LINE OWNERS OF UPCOMING SITE WORK, AT LEAST 2-FULL BUSINESS DAYS PRIOR TO START, BY CALLING 811. THE INSTALLER IS FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES.
3. THE CONSTRUCTION AND MATERIALS USED FOR CONSTRUCTION OF THIS SEPTIC SYSTEM SHALL MEET WASHINGTON STATE DOH AND COUNTY REGULATIONS.
4. A PRE-CONSTRUCTION MEETING MAY BE REQUIRED PRIOR TO ISSUANCE OF THE INSTALLATION PERMIT AT THE DESIGNER'S DISCRETION.
5. THE DESIGNER SHALL BE NOTIFIED A MINIMUM OF 5 BUSINESS DAYS PRIOR TO ANY NECESSARY INSPECTIONS INCLUDING PRE-COVER / FINAL INSPECTION.
6. SILT FENCING AROUND THE DRAINFIELD AREA OR TANK HOLES TO MITIGATE EROSION.
7. INSTALLER SHALL KEEP A PAPER COPY OF THE APPROVED SEPTIC DESIGN AND INSTALLATION PERMIT ON-SITE DURING INSTALLATION.
8. INSTALLER SHALL LEAVE ALL COMPONENTS UNCOVERED INCLUDING FORCEMAINS AND FEEDER LINES FOR DESIGNER INSPECTION. DESIGNER AND COUNTY APPROVAL IS REQUIRED PRIOR TO COVER. PRE-COVER APPROVAL DOES NOT RELIEVE THE INSTALLER OF RESPONSIBILITY TO CORRECT ANY MALFUNCTIONS OR DEFECTS IN THE SYSTEM THAT MAY BE DETECTED DURING FUTURE TESTING OR INSPECTION.
9. IF THE INSTALLER OBSERVES ANY DISCREPANCIES BETWEEN THE APPROVED SEPTIC DESIGN SPECIFICATIONS, INCLUDING SOIL PROFILES, AND THE SITE CONDITIONS ENCOUNTERED AT TIME OF SYSTEM INSTALLATION, INSTALLER SHALL POSTPONE WORK UNTIL DISCUSSING THE DISCREPANCIES WITH THE DESIGNER.
10. IF THE INSTALLATION DOES NOT MEET THE STANDARDS OF CODE REQUIREMENTS AND / OR THE SPECIFICATIONS OF THIS DESIGN, THE DESIGNER HAS DISCRETION TO POSTPONE CALLING THE SITE IN FOR FINAL COUNTY INSPECTION UNTIL THE ERRORS ARE RESOLVED BY THE INSTALLER.
11. THE HOMEOWNER OR THE INSTALLER ARE RESPONSIBLE FOR BACKFILLING ANY OPEN TEST PITS ON THIS PROPERTY UPON COMPLETION OF COUNTY SOIL REVIEW.

NOTES (CONTINUED):

1. NO SPOILS / STOCKPILES ARE TO BE PLACED ON THE DRAINFIELD AREAS.
2. NO DRIVING PASSENGER VEHICLES OR CONSTRUCTION EQUIPMENT ON THE DRAINFIELD AREAS AT ANY TIME. A PHYSICAL BARRIER IS RECOMMENDED AROUND THE DRAINFIELD AREAS FOR PROTECTION.
3. NO CUTS GREATER THAN 4' IN HEIGHT ARE ALLOWED WITHIN 50' DOWNSLOPE OF THE DRAINFIELD AREAS.
4. NO FOOTING DRAINS ALLOWED WITHIN 30' DOWNSLOPE OF THE DRAINFIELDS.
5. ALL SURFACE AND STORM WATER COMPONENTS MUST BE DIRECTED AWAY FROM DRAINFIELDS.
6. A CURTAIN DRAIN MAY BE REQUIRED FOR WATER DIVERSION DEPENDING ON WATER TABLE CONDITIONS.
7. USE EXTREME CAUTION WHEN SITE CLEARING WITHIN THE DRAINFIELD AREAS. A CERTIFIED SEPTIC INSTALLER IS RECOMMENDED FOR DRAINFIELD AREA CLEARING. TAKE CARE TO NOT REMOVE SOIL FROM DRAINFIELD AREAS DURING CLEARING.
8. SEED AND MULCH THE DRAINFIELD IMMEDIATELY POST-INSTALLATION.
9. EXCEPT FOR THE DRAINFIELDS, ALL SEPTIC SYSTEM COMPONENTS AND MATERIALS USED SHALL BE WATERTIGHT.
10. ALL WATER LINES MUST MAINTAIN A 10' MINIMUM SETBACK.
11. ANY DEVIATION FROM THE APPROVED SEPTIC DESIGN MUST FIRST BE APPROVED BY THE DESIGNER.
12. DRAINFIELD COVER MATERIAL TO BE SANDY LOAM OR BETTER.

Legend

- System Curve: —
- Pump Curve: —
- Pump Optimal Range: —
- Curve Intersection: ●
- Design Point: ○
- Pump Spec: ○

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