

November 3, 2005

Michael and Laura Sarin  
92689 Walluski Loop Rd.  
Astoria, OR 97103

**COPY**

NOV 08 2005



RE: Violation – Unpermitted Fill Removal  
Ag Exempt Building Uses – Oregon Building Codes  
Township 8, Range 9, Section 27, Tax Lot 1200, 1203  
92689 Walluski Loop Rd., Astoria, OR  
Agriculture Forestry Zone (AF)/Flood Hazard Overlay Zone (FHO)

NORTH COAST BRANCH OFFICE  
WARRENTON

Department of  
Community Development  
800 Exchange Street  
Suite 100  
Astoria, Oregon 97103

Dear Mr. and Mrs. Sarin,

Thank you for meeting with Patrick Wingard and me at your property on Thursday, November 3, 2005. The purpose of the site visit was to confirm the location of the horse turnout that was excavated early this summer. We discussed and agreed to the following:

- You will apply for a development permit (\$158.00) with a plot plan and erosion control plan for the excavation for the horse turnout by Friday, November 18, 2005.
- If needed, you will schedule a meeting with Patrick Wingard and Bert Stone to determine future development plans and permits required.
- Per our discussion Big River Excavating is not involved in this project. This is a project on your personal property where you personally leased trucks from Big River. All future correspondence will be directed to your home address not to Big River Excavating.

Economic Development  
Planning & Development  
Telephone (503) 325-8611  
Fax (503) 338-3666

Building Codes Division  
Telephone (503) 338-3697  
Fax (503) 338-3666

Inspection Request Line  
(503) 338-3698

The County appreciates your efforts to clear the violation and your time to meet with us. Please contact me at 503-325-8611 if you have questions regarding this information or are unable to meet this deadline.

Respectfully,

Handwritten signature of Patricia Getchell in cursive.

Patricia Getchell  
Code Compliance Specialist

cc: Bert Stone, Building Official  
Kathleen Sellman, Director  
Patrick Wingard, Supervisor  
Connie Schrandt, DEQ, 65 N. Hwy 101, Suite G, Warrenton, OR 97146 ✓  
Louise Bos, DSL, 775 Summer St. NE, Suite 100, Salem, OR 97301-1279

[www.co.clatsop.or.us](http://www.co.clatsop.or.us)

HAROLD A. SNOW  
JEANYSE R. SNOW  
WILLIAM R. ORR  
VERNON E. FOWLER, JR.\*  
\*ADMITTED OREGON AND WASHINGTON BARS

SNOW & SNOW  
ATTORNEYS AT LAW  
801 COMMERCIAL STREET  
P.O. Box 508  
ASTORIA, OREGON 97103

JERRY K. MCCALLISTER  
1934-1997  
ROBERT C. MACDONALD  
1921-1997  
IN MEMORIAM

DEPT. OF ENVIRONMENTAL QUALITY  
RECEIVED

OCT 13 2005

FAX (503) 325-6453

TELEPHONE (503) 325-2511

NORTH COAST BRANCH OFFICE  
WARRENTON



October 12, 2005

**HAND DELIVERED**

Clatsop County, Pat Getchell  
Code Compliance Specialist  
800 Exchange Street, Suite 100  
Astoria, Oregon 97103

Re: Notice of Violation, Michael & Laura Sarin

Dear Ms. Getchell:

On September 28, 2005, you issued a Notice of Violation of Clatsop County Land and Water Use and Development Ordinance #80-14, citing as a nuisance the removal of earth on property located at 92689 Walluski Loop Road in Astoria. This removal is alleged to be in violation of:

- (1) Section 2.010, Grading of Building Site, County Standards Document;
- (2) International Building Code Appendix J, Grading; and,
- (3) Section 2.500, Erosion Control Development Standards, County Development Code.

The Sarins were to respond prior to 15 days from the date of the Notice. This letter constitutes the Sarin's response.

Facts: Sarins correct your statement of fact to say that approximately 2800 cubic yards of material was removed to create a horse turn around area. This area is in connection with their ag-exempt equestrian facility, which is immediately adjacent to the horse turn around.

Response to alleged violations.

(1) Section 2.010 Grading of Building Site. – This section is not applicable. §2.010 operates when there is “the grading of a building site . . .” This is not a “building site”, but rather an area in connection with an existing ag-exempt equestrian facility.

(2) Section 2.500 - Erosion Control Development Standards - §2.500 and ff only requires an erosion control plan in relation to a development permit. See, for example, the following sections:

§2.503 Erosion Control Plan

- 1. An Erosion Control Plan shall be required for land disturbing activities, in conjunction with a development permit.

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RECEIVED

OCT 13 2005

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NORTH COAST BRANCH OFFICE

4. Plan Review and Approval

Each Erosion Control Plan shall be reviewed, in conjunction with a development permit, pursuant to the standards listed in this section.

§2.504 Design and Operation Standards and Requirements

All clearing, grading, stripping, excavation, and filling activities which are subject to the requirement of an Erosion Control Plan under Section §2.503 (1) shall be subject to the applicable standards and requirements set forth in this section. The standards imposed and the level of erosion control activity detail depend on the site conditions and complexity of the project required to reduce the movement of soil off of the site.

The entire section, §2.500 - 2.504 deals with Erosion Control Plans and their standards. Erosion Control Plans are required only in conjunction with a development permit. The Sarins activity was in relations to a long ago built (and ag exempt) equestrian facility. There is no development permit applied for or needed. §2.500 is simply inapplicable.

(3) Uniform Building Code, Appendix J

The Sarins rely on Appendix J of the purported Controlling International Building Code §J103.2 which states that:

“A grading permit shall not be required for the following:

1. Grading in an isolated, self-contained area, provided there is no danger to the public, and that such grading will not adversely affect adjoining properties.”

The Sarins owns 22 acres of property. The work that was done certainly qualifies as exempt under that provision of the code.

If prior to the administrative review you would like to meet to discuss this matter, please feel free to call.

Very truly yours,

SNOW & SNOW



Harold A. Snow

C:\Wpdata2\Letters 2005\walluski valley ranch10.12.wpd

HAS/mjp

cc: Michael and Laura Sarin  
Blair Henningsgaard

DEPT. OF ENVIRONMENTAL QUALITY  
RECEIVED

OCT 13 2005

NORTH COAST BRANCH OFFICE  
WARRENTON

I received from Snow & Snow Attorneys a hand delivered letter dated October 12, 2005, regarding Notice of Violation for Michael & Laura Sarin addressed as follows:

Clatsop County, Pat Getchell  
Code Compliance Specialist  
800 Exchange Street, Suite 100  
Astoria, Oregon 97103



Dated: October 12, 2005

By: Pat Getchell

Printed Name: PAT GETCHELL

August 25, 2005

Michael and Laura Sarin  
92689 Walluski Loop Rd.  
Astoria, OR 97103

DEPT. OF ENVIRONMENTAL QUALITY  
**COPY**  
AUG 26 2005  
NORTH COAST BRANCH OF  
WARRENTON



RE: Violation – Unpermitted Fill Removal  
Ag Exempt Building Uses – Oregon Building Codes  
Township 8, Range 9, Section 27, Tax Lot 1200, 1203  
92689 Walluski Loop Rd., Astoria, OR  
Agriculture Forestry Zone (AF)/Flood Hazard Overlay Zone (FHO)

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**Department of  
Community Development**  
800 Exchange Street  
Suite 100  
Astoria, Oregon 97103

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Dear Mr. and Mrs. Sarin,

This is to confirm a conversation with Michael Sarin on August 23, 2005 regarding unpermitted fill removal on property at 92689 Walluski Loop Rd. Michael confirmed that fill (our estimate of @ 7,000 cubic yards) had been removed from the property to create a horse turnaround. Michael was advised to stop removing the fill and apply for a permit to include the following information – plot plan, erosion control plan, amount/type of fill removed, and destination of fill. I was advised that trucks were still removing fill after our conversation. We respectfully request that you cease all removal of fill until the permit is issued

**Economic Development  
Planning & Development**  
Telephone (503) 325-8611  
Fax (503) 338-3666

**Building Codes Division**  
Telephone (503) 338-3697  
Fax (503) 338-3666

*Inspection Request Line*  
(503) 338-3698

A violation exists on the property and no building permits may be issued for the property until an “after the fact permit” is issued. We need to confirm that erosion from the removal is contained as a portion of the property is in a flood hazard overly district. The zoning information for AF and FHO along with the CREST Erosion Control brochure is included.

We have sent a copy of this letter to Louise Bos at the Department of State Lands (DSL) in Salem to advise her of the removal as a quick view of the National Wetland Inventory Maps indicates there may be wetlands on the property. Until you provide a detailed plot plan showing the location of the removal we can't be sure if any wetlands have been impacted.

Additionally we have copied Connie Schrandt at the Department of Environmental Quality (DEQ) in Warrenton. In light of the quantity of fill removed a NPDES 1200-C permit may be required by the Department of Environmental Quality (DEQ). Information about this permit is available on the DEQ web page or you can contact Connie at 503-861-3290.

A copy of this letter is being sent to Big River Excavation to make them aware that removal or fill in a wetland requires a permit from the County, Department of State Lands (50 cubic yards or more fill/removal in a

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AUG 28 1995

wetland), and the U.S. Army Corps of Engineers. Our records will reflect that they are the company doing the removal and they may also be in violation of local, state, or federal laws.

Another issue has come to our attention regarding the use of your property for horse boarding and riding instructions (advertisement in the Daily Astorian 8/22/05). Be advised that the barn was built with an "Agriculture Exempt" permit. There are restrictions that apply for this type of permit. Attached is a copy of the permit issued in 1992 and the Oregon Building Codes Division exemptions for equine facilities. Briefly summarized here are the requirements:

- Be located on a farm;
- Purported to be used only for stabling, training, riding lessons, or training clinics;
- Not be a dwelling;
- Not be a structure regulated by the State Fire Marshal's office; and
- The owner must declare that there will be no more than 10 persons present in the facility at any one time.

When you apply for the permit for the removal of the fill please confirm in writing how you meet the building code requirements for the barn. If you take no action within fifteen (15) days from the date of this letter to secure a valid permit for the fill removal we will begin code enforcement. Please contact me at 503-325-8611 if you have questions regarding this information.

Respectfully,



Patricia Getchell  
Code Compliance Specialist

cc: Bert Stone, Building Official  
Kathleen Sellman, Director  
Patrick Wingard, Supervisor  
Big River Excavation, 1050 Olney Avenue, Astoria, OR 97103  
Connie Schrandt, DEQ, 65 N. Hwy 101, Suite G, Warrenton, OR 97146  
Louise Bos, DSL, 775 Summer St. NE, Suite 100, Salem, OR 97301-1279

Enclosures:

CREST Erosion Control Guidance  
NPDES Storm Water Regulations for Construction Activities  
(NPDES 1200-C Permit Information -- partial report)  
Section 3.510 Agriculture-Forestry Zone (AF)  
Section 4.000 Flood Hazard Overlay District (FHO)  
Brochure (DSL): Planning to work in wetlands or waterways?  
Agriculture Building Exemption Certificate #92-313  
Oregon Building Code Division "New Exemption for Equine Facilities"

52642

Control No.

STATE OF OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMIT NO. 98-45

\$515.00

Fee

[X] New Construction

[ ] Repair

[ ] Other

Permit Issued To Robert & Barbara Harn (Property Owner's Name) 8N (Township) 9W (Range) 27 (Section) 1200 (Tax Lot / Acct. No.) Clatsop (County) Walluski Rd. Astoria (Road Location) (City) Dewey Donald (Issued by - Signature) 4-27-98 (Date Issued)

PERMITS ARE NOT TRANSFERABLE

ALL WORK TO CONFORM TO OREGON ADMINISTRATIVE RULES, CHAPTER 340. WORK SHALL BE DONE BY PROPERTY OWNER OR BY LICENSED SEWAGE DISPOSAL SERVICE. (MAKE NO CHANGES IN LOCATION OR SPECIFICATIONS WITHOUT WRITTEN APPROVAL)

SPECIFICATIONS

EXPIRATION DATE April 27, 1999 TYPE OF SYSTEM Standard with hydrosplitter

Concrete two-compartment septic dosing

Design Sewage Flow 450 Gallons/Day

Tank Volume 1500 Gallons (Total) Disposal Trenches [X]

Seepage Bed(s) [ ] Square Feet

Maximum Depth 36 inches.

Minimum Depth 30 inches.

375 Linear Feet

Equal [X] Loop [ ] Serial [ ] Pressurized [ ] Minimum Distance Between Trenches 10' on centers.

\*\*\*Downspouts from house to be directed away from disposal field.

Total Rock Depth 12 inches. Below Pipe 6 inches. Above Pipe 2 inches. [ ] Rake Sidewall

Install in accordance with plans & specifications submitted by Srits & Associates dated 2-3-98. Septic tank to be set Special Conditions (Follow Attached Plot Plan) back a minimum of 10' to any water lines and 5' to any property lines or building foundation. 10' setback from any property lines, water lines or underground utilities from disposal field. 25' setback from drainfield to any downgradient cutbanks. 100' setback from drainfield to any downgradient springs.

Surface water diversion ditch recommended to divert surface water from drainfield. Fertilize & plant grass over drain- PRE-COVER INSPECTION REQUIRED - CONTACT field area once installation completed. Installation to occur during dry soil conditions. No livestock permitted over drainfield. Replacement system to be a conventional sand filter.\*\*\*

CERTIFICATE OF SATISFACTORY COMPLETION

As-Built Drawing with Reference Locations

Installer Bill Bergerson Const.

See as-built plot plan submitted by installer.

Final Insp. Date

[ ] Inspected By

[X] Issued by Operation of Law

[ ] Pre-cover inspection waived pursuant to OAR 340, Division 71

In accordance with Oregon Revised Statute 454.665, this Certificate is issued as evidence of satisfactory completion of an on-site sewage disposal system at the location identified above.

Issuance of this Certificate does not constitute a warranty or guarantee that this on-site disposal system will function indefinitely without failure.

(Authorized Signature)

(Title)

(Date)

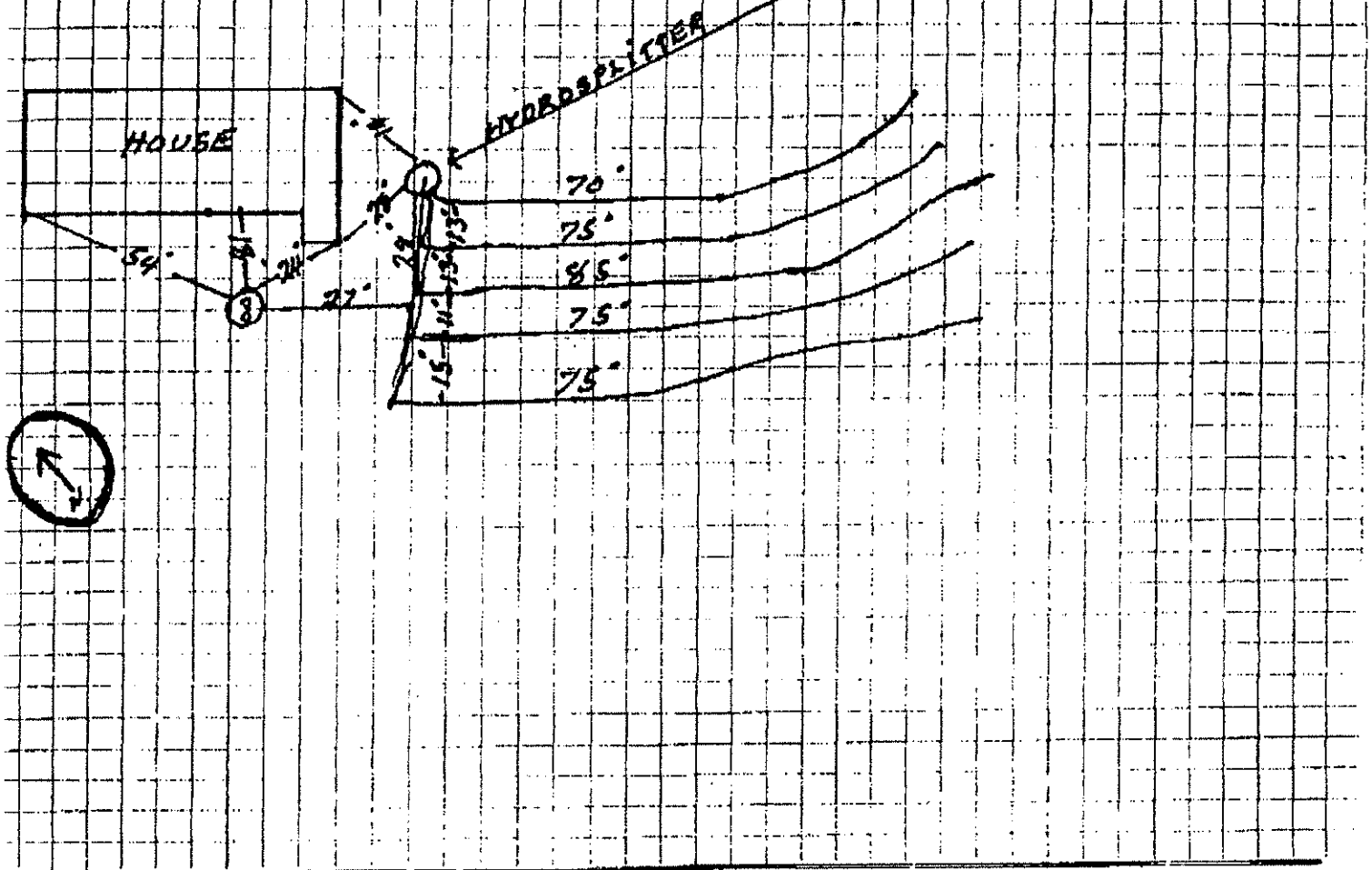
(Office)

Property Owner ROBERT MA.

Permit Number \_\_\_\_\_

County CLATSOP

**SECTION 3: AS-BUILT PLAN OF THE CONSTRUCTED SYSTEM. Indicate the direction of NORTH and show the locations of all wells within 200 feet of the system.**



**SECTION 4: CONSTRUCTION WAS PERFORMED BY:**

Property Owner (Permittee)

Sewage Disposal Service Business: BERGERSON CONST, 35413  
(Print Full Business Name) (License Number)

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

Bill Bergerson  
(System Installer's Signature)

OWNER  
(Title)

9-10-98  
(Date)

wp51\FINAL.95c



APR 15 1998

**SMITS & ASSOCIATES, INC.**  
John L. Smits, R.S.  
P. O. Box 116  
Clackamas, OR 97015-0116  
(503) 659-5623  
**SPECIFICATIONS**  
April 14, 1998

NORTH COAST BRANCH OFFICE  
WARRENTON

Property owner: Robert & Barbara Harn  
Plan for Four (4) bedroom system [Equal distribution with Hydrosplitter]  
Physical address: \_\_\_\_\_ Walluskie Loop Road  
Legal description: T. 8N., R. 9W., Sec. 27, Tax lot 1200 (5.15 acres)  
County: Clatsop County  
Site approval date: Pending review of stake-out  
Projected Installer: To be bid DEQ License No.:

**FILTER FABRIC:** Meet OAR 340-73-041 as in CEREX 25 or DUPOUNT TYPAR 3201

**DRAIN MEDIA:**

Clean, washed gravel, crushed rock having a minimum size of 3/4" and a maximum size of 2 1/2". Crushed rock is not permitted in the sand filter due to a potential to puncture the 30 mil PVC liner

**SEWAGE GENERATING FACILITY:**

Single family home not > 4 bedrooms (Projected daily sewage flow = 450 gpd). Disposal trench design flow (Q = 450 gpd). (The actual flow to the system is expected to average 225 gpd)

**SOIL ABSORPTION FACILITY:**

375 ft. as various length, disposal trenches using equal distribution Hydrosplitter. Trenches not more than 36" nor less than 30" deep.

**SEPTIC TANK:**

1,500 gallon Septic/ Dosing tank combination (1,000 gal. 1<sup>st</sup> 500 gal. 2<sup>nd</sup> - comp.) by Waite Concrete Products of Canby, Oregon (266-2670). Equipped with OSI PVC risers, screened vault and pumping equipment as listed on plan sheets, by Orenco Systems of Sutherlin, OR (541) 459-4449). Dose volume not to exceed 20% of the projected daily sewage flow or approx. 90 gal. (about 8" in a Waite septic/dosing tank). A 4" demand dose is proposed. **Other two (2) compartment tanks with similar dimensions are acceptable.**

Water tightness of the dosing septic tank is to be demonstrated with risers set, inlet connection made and all seams etc. complete. The manufacturer shall be consulted for guidance on the conduct of the test. In general, the dosing septic tank is to be water tested for a 24 hour period with the inlet pipe effectively capped and the tank filled with water to a level not more than 2" above the tank top. Use extreme caution when filling the tank. If the water level rises to more than 4" above the tank top, the tank top may "float". During the test there shall be no more than a one (1) gallon leakage over a 24 hour period.

**Trench parts/equipment:**

Five (5) outlet Hydrosplitter with enclosure **MODEL HS(5)**  
**Contractor to provide trench lengths to Orenco for mfg.**  
**Of the orifice control disks.**  
375 ft. 3 or 4" PVC perforated, ASTM D-2729  
10 – 3 or 4" diameter end caps. Five (5) with holes to accept 1" Sch. 40 PVC header pipes.  
Approx 14 cu. yds. drain media (drainrock)  
Sufficient filter fabric to cover 375 lin. ft. drain media prior to placement of soil backfill

**Dosing septic tank parts and equipment:**

Waite's 1,500 gal. precast concrete septic /dosing tank or Equal.  
3 - 12" long x 24" dia. PVC risers with 24" dia. gasketed fiberglass lids.

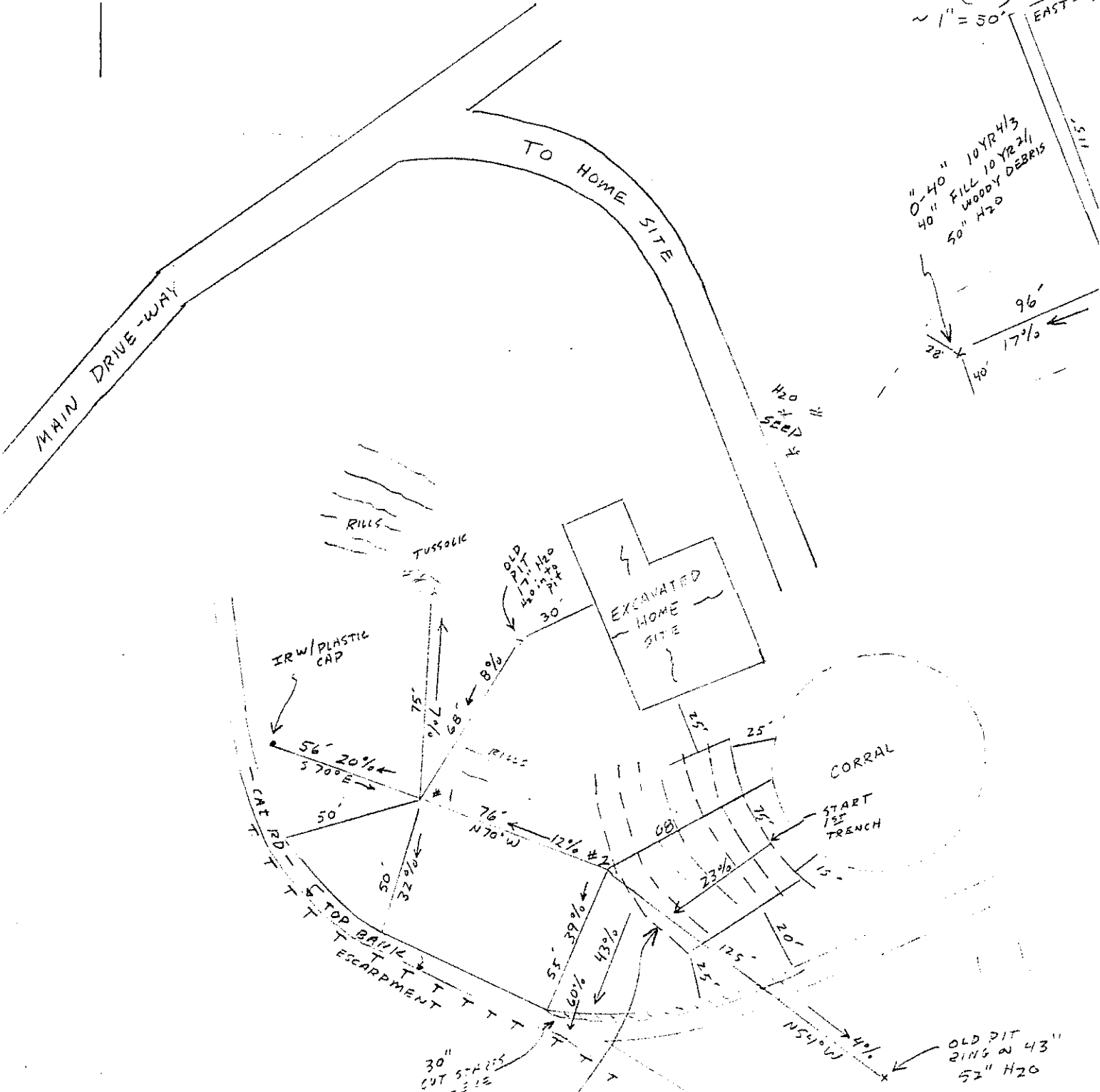
4" Biotube Effluent filter 1'st to 2'nd compartment **MODEL:FTO 44436**  
Screened pump vault:  
PVC w/1/8" Biotube filter & flow inducer **MODEL SVT1260 18Fi4**  
New product with external flow inducer.  
Splice Box; PVC w/4 cord grips & 3/4" outlet fitting **MODEL SB3**  
Mercury Switch float assembly:  
w/signal alarm and on/off floats **MODEL MF-EB**  
Alarm Panel: With ETM & Counter **MODEL S-1 ETM,CT**  
Hose & Valve Assembly, w/check & ball valve **MODEL HV125BC**  
Effluent Pump: OSI, 1/2 Hp., 115 VAC, 11.9 amps. **MODEL P12AER05HH 8 stage**

Bob + Barbara Horn  
809-27-1200  
5.15 Acres

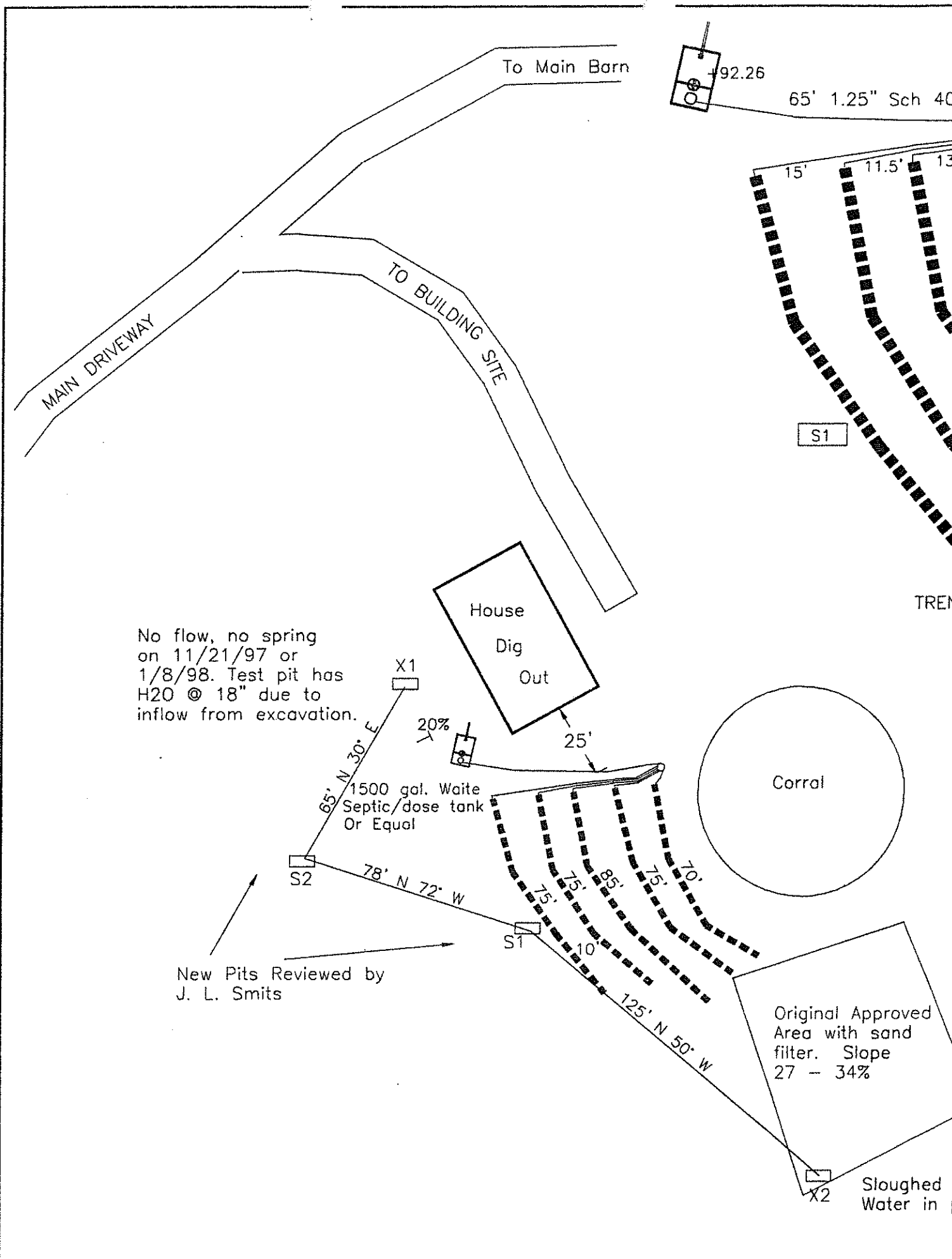
Dewey Darold  
2-19-98

S.E.  
(NTS)

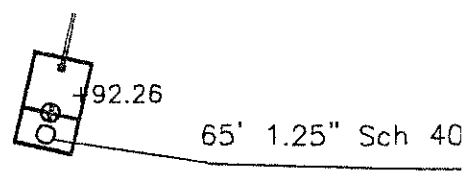
~ 1" = 50'



Stake-out area no further  
downslope from test pit #2  
25' SETBACK TO CUTBANKS

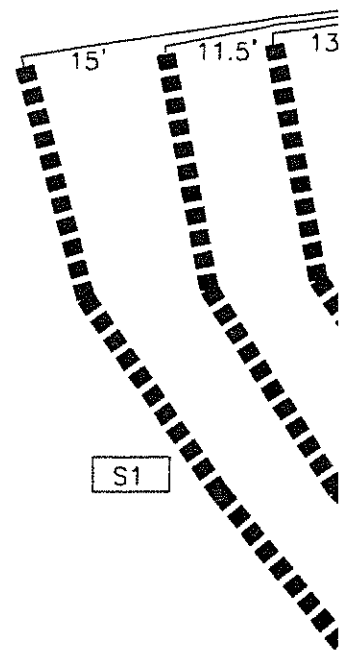


To Main Barn



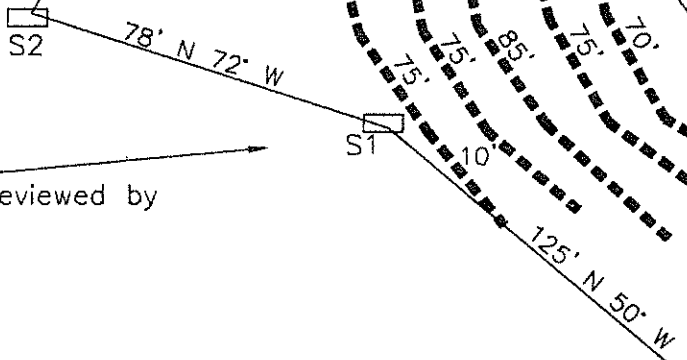
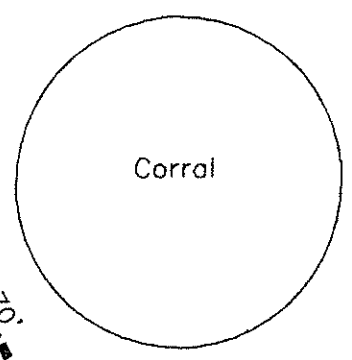
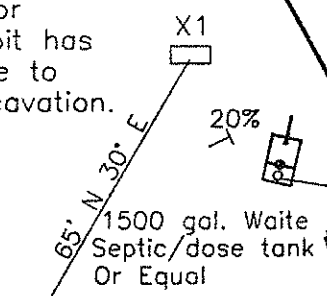
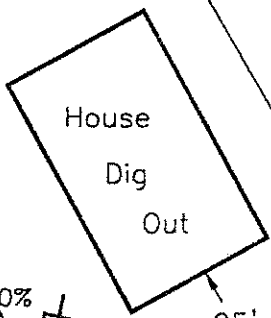
MAIN DRIVEWAY

TO BUILDING SITE

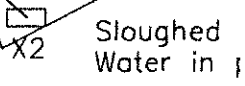
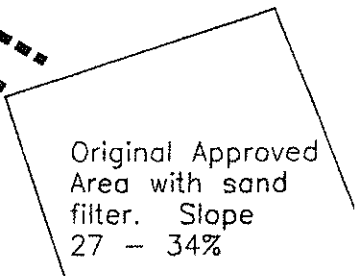


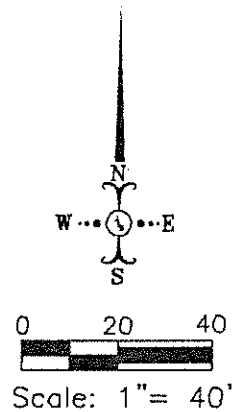
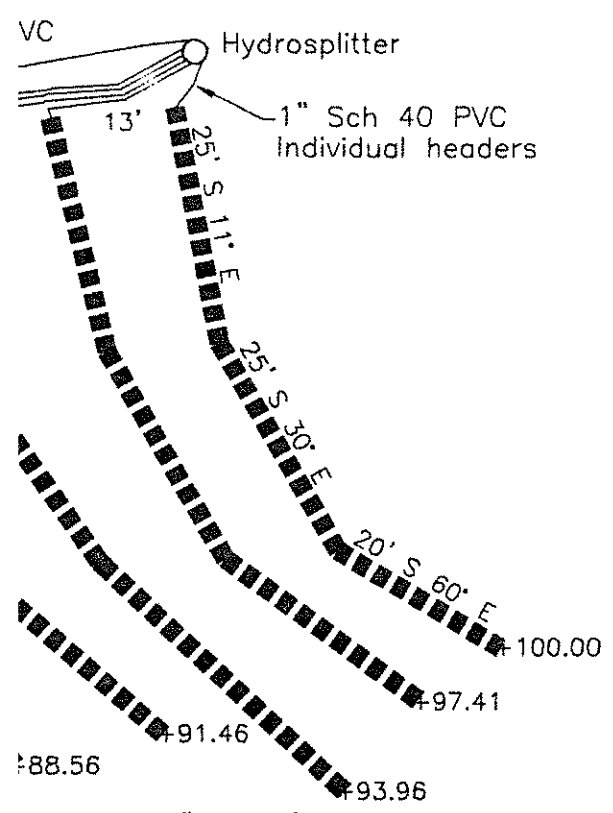
TREN

No flow, no spring  
on 11/21/97 or  
1/8/98. Test pit has  
H2O @ 18" due to  
inflow from excavation.



New Pits Reviewed by  
J. L. Smits





SYSTEM:  
 Standard Gravity, Equal Distribution  
 DISPOSAL TRENCHES: 375 ft.  
ELEVATION KEY:  
 TBM= Assumed point highest trench: 100.00  
 +100.25 Ground surface elevation  
 Grnd. surface at splitter: 101.00  
 SEPTIC TANK: 1,500 gal. septic/dosing comb.  
 GROUND SURFACE: 92.26  
 TANK TOP: 91.26  
 TANK INLET INVERT 90.26  
 PUMP BASE: 86.26  
 LENGTH OF RISER: 12 to 18"

|                                             |               |
|---------------------------------------------|---------------|
| <u>STATIC LIFT:</u>                         |               |
| Ground surface Hydrosplitter:               | 101.00        |
| Base of pump vault:                         | -86.26        |
|                                             | <u>14.74'</u> |
| <u>FRICION LOSSES:</u>                      |               |
| Transport pipe: 1.25"Ø PVC 65'              | 0.90'         |
| Hose & valve: 1 1/4"                        | 0.50          |
| <u>TOTAL DYNAMIC HEAD (TDH)</u>             | <u>16.14'</u> |
| <u>PUMP:</u> Orenco Sys. P12AER05HHF 8 stg. |               |
| Head avail. assuming 10.0 gpm               | 110.00'       |
| Available head @ Splitter                   | = 93.86       |

Field Stake-out 3/19/98  
 J. L. Smits, R.S.

Robert E. Harn Prop.  
 T.8N.,R.9W.,Sec.27 TL 1200  
 5.15 acres  
 Walluskie Loop Rd.  
 CLATSOP COUNTY

Smits & Associates, Inc.  
 Environmental Consultants • Designers  
 P. O. Box 116  
 Clackamas, Oregon 97015-0116  
 John L. Smits, Jr. R.S.  
 Ph. (503) 659-5623  
 Fax (503) 659-1666

DATE: Feb. 3, 1998 SHEET No. \_\_\_\_\_ OF \_\_\_\_\_

by 1/8/98  
 title at 54"

AGENCY REVIEW & APPROVAL FORM  
(STRUCTURE AND MOBILE HOME PLACEMENT)



JOB SITE INFORMATION:

Job Site Address RTS Box 928 City: Astoria

Owner Bob + Barbara Harn Phone: 325-3000

Owners Address 1788 Astoria

Proposed Development/Construction: Single Family dwelling

800 Exchange Street,  
Suite 100  
Astoria, Oregon 97103

STATE DEQ (DEPARTMENT OF ENVIRONMENTAL QUALITY)

Legal Description T 8 R 9 SEC. 27 Tax Lot 1200

Permit Needed - Yes ( ) No (  ) Site Approved - Yes (  ) No ( )

Signature [Signature] Date: 4-28-98

Remarks PERMIT # 98-45

Department of  
Planning and Development

Phone (503) 325-8611  
Fax (503) 338-3666

DEQ North Coast Branch Office, 19 North Highway 101, Warrenton, Oregon 97146 Phone: (503) 861-3280

CLATSOP COUNTY PLANNING DEPARTMENT

Legal Description: T R SEC. Tax Lot

Zone \_\_\_\_\_ Overlay District: \_\_\_\_\_

Development Permit - Yes ( ) No ( ) # \_\_\_\_\_

Flood Plain - Yes ( ) No ( ) Elevation Requirements: \_\_\_\_\_

Signature \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Remarks \_\_\_\_\_

**SUBMIT APPLICATION TO**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
 BUSINESS OFFICE  
 1115 NW 10th Street  
 Portland, OR 97204  
 (503) 229-5769

**APPLICATION FOR RETURN OF FEES STATE OF OREGON**

**OFFICIAL DEQ USE ONLY**

(Attach additional sheets if necessary.)

Please provide the following information, if possible.

|                                                          |                                          |                                                |                                |
|----------------------------------------------------------|------------------------------------------|------------------------------------------------|--------------------------------|
| 1. <u>BARBARA HARN</u><br>Name of Applicant Who Paid Fee | 2. <u>10-14-97</u><br>Date Fee Was Paid  |                                                | <u>\$910.00</u><br>Amount Paid |
|                                                          | <u>RT. 5, BOX 928</u><br>Mailing Address | <u>8577</u><br>Check No.                       | <u>80290</u><br>Receipt No.    |
|                                                          | <u>ASTORIA</u><br>City                   | <u>OR</u><br>State                             | <u>09459</u><br>Deposit No.    |
|                                                          | <u>97103</u><br>Zip Code                 | 3. <u>\$30.00</u><br>Amount Request for Refund |                                |

I hereby request that my application for a SAND FILTER PERMIT TO CONSTRUCT

be  withdrawn  amended, and the \$ 30.00 of the fees be returned. I understand that a return of fees paid is subject to review by the Department to determine conformance with the refund provisions as contained in the Oregon Revised Statutes (ORS) 293.445.

ON FILE Signature      OWNER Title      4-28-98 Date

\*Note to program processing application: Please supply the necessary information, if not supplied by the applicant.

**FOR PROGRAM USE ONLY**

- I certify that no field work or any other substantial work associated with the application identified above has been performed.
- The application identified above was submitted in error.
- Other explanation for return of fee: ORIGINALLY APPLIED FOR SAND FILTER PERMIT AND PAID \$910.00. NEW SITE EVALUATION WAS APPLIED FOR AND \$365.00 OF THE \$910.00 WAS APPLIED FOR THE EVALUATION. SITE WAS APPROVED FOR A STANDARD SYSTEM WITH PUMP AND THAT FEE IS \$515.00. TOTAL COST OF FEES IS \$880.00. OWNERS DUE A REFUND OF \$30.00.

DAVID JOHNS Signature      OFFICE COORDINATOR, DEQ, NCBO Title      4-28-98 Date  
BOB BAUMGARTNER      MGR, TECH SERVICES SECTION

**FOR FISCAL USE ONLY**

Fund: \_\_\_\_\_ 899.900 Amount: \_\_\_\_\_ Authorized: \_\_\_\_\_

STATE OF OREGON  
 DEPARTMENT OF ENVIRONMENTAL QUALITY  
 NORTH COAST OFFICE  
 19 N. Highway 101  
 Warrenton, OR 97146  
 (503) 861-3280

FOR OFFICE USE ONLY  
 Date Rec'd 4-27-98  
 Date Completed 4-27-98  
 Required Fee \$515.00 \*  
 Receipt No. N/A  
 Control No. 52642  
 \* FEE PAID 10-14-97 (\$910.00)

FOR APPLICANT'S USE - (PLEASE PRINT)

5 acres  
 Lot Size (Acreage or Dimensions)

Robert Horn  
 (Property Owner's Name)

(Applicant's Name if Different from Owner)

Legal Description of Property 8 9 27 1200 Clatsop  
 (Township) (Range) (Section) (Tax Lot/Acct. No.) (County)

For Parcels in Platted Subdivisions, Indicate (Subdivision Name) (Lot Number) (Block Number)

Proposed Facility

Water Supply

Single Family Residence 3  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

Public (Community System)  
 Private \_\_\_\_\_  
 (Indicate: Well, Spring, Etc.)

Existing Facility

Single Family Residence \_\_\_\_\_  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

APPLICATION FOR:

Site Evaluation Report  
 Permit to Construct On-Site Sewage Disposal System  
 Permit to Repair On-Site Sewage Disposal System  
 Permit for Alteration of On-Site Sewage Disposal System  
 Permit Renewal  
 Existing System Report  
 Plan Review  
 Other (Specify) \_\_\_\_\_

Authorization Notice  
 Purpose of Authorization Notice  
 Connect to an existing system not currently in use  
 Replace one mobile home with another or a house  
 Replace or rebuild a house  
 Addition of one or more bedroom  
 Personal hardship  
 Temporary housing  
 Other (Specify) \_\_\_\_\_

This application will be returned if it is not filled out completely and accompanied by the appropriate fee and attachments required in the guidance packet. Your site must be prepared according to instructions in the guidance packet before action can be taken on this application.

By my signature, I certify that the information I have furnished is correct, and hereby grant the Department of Environmental Quality and its authorized agent permission to enter onto the above described property for the purpose of this application.

Robert Horn  
 (Signature)

4-27-98 (Date)  
 Authorized Representative  
 Licensed Installer  
 License No. \_\_\_\_\_

Owner's Mailing Address  
P.O. Box 928  
ASTORIA OR 97103

Applicant's Mailing Address (if different)  
 \_\_\_\_\_  
 \_\_\_\_\_

Phone 325-3000

Phone \_\_\_\_\_ IW\WC8\WC8690 (7-19-91)





# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

April 27, 1998

Robert E. & Barbara Harn  
Route 5, Box 928  
Astoria, OR 97103

Re: OSS: NWR: Clatsop County: Site Evaluation Report: Twn 8N, Rng 9W, Section 27, Tax Lot  
1200: 5.15 Acres

Dear Mr. & Mrs. Harn:

In response to an on-site sewage disposal field stake-out performed by Smits & Associates, Inc., Dewey W. Darold, R.S., again examined the above-described property on April 24, 1998, to determine the methods of on-site sewage disposal for which it is suited. This evaluation and report supersedes the previous reports and is based upon current Department of Environmental Quality (DEQ) regulations governing on-site sewage disposal, Oregon Administrative Rules (OAR) Chapter 340, Divisions 71 and 73.

Based upon the results of the study, I am pleased to inform you the site has been found suitable for a standard septic-tank drainfield system. The system would have the capacity to serve a single family dwelling, with no more than 4 bedrooms. Peak daily sewage flow into the system is limited to 450 gallons, with an average daily sewage flow of not more than approximately 225 gallons per day. Premature system failure may occur if either flow limit is exceeded. If you expect your family's water use to exceed these flows, it is recommended the system be made larger.

Please refer to Smits & Associates, Inc., plans and specifications dated February 3, 1998, for location of the disposal system (including the future repair/replacement disposal system). **The system will consist of a minimum 1,100 gallon dosing septic tank or equivalent, an effluent lift pump, associated controls and alarm, and 375 linear feet of disposal trench designed in equal distribution via a hydrosplitter. Trench depth will be 30 to 36 inches. The replacement system when necessary in the future, will consist of an alternative conventional sand filter treatment and disposal system.**

**PLEASE NOTE:** A surface water drainage channel has been cut through the area between the north ends of the drainfield and the proposed home site. It is imperative this surface water be captured and directed away from the drainfield area.

Robert E. & Barbara Harn

April 27, 1998

Page 2

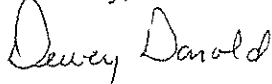
The drainfield must maintain a minimum 100 foot setback to any downgradient springs and wells, a 25 foot setback to any cutbanks, and a minimum 10 foot setback to water lines and underground utilities..

This approval is given on the basis that the lot or parcel described above will not be further partitioned or subdivided, and that conditions on the subject or adjacent properties have not been altered in any manner which would prohibit issuance of a permit in accordance with ORS 454.605 through 454.745 and Administrative Rules of the Environmental Quality Commission (EQC). Any such subdivision, partitioning or alteration may void this report.

**WARNING:** This is a technical report for on-site sewage disposal only. It may be converted to a permit **only** if, at the time of permit application, the property has been found to be compatible with applicable LCDC-acknowledged local comprehensive land use plans and implementing measures or the Statewide Planning Goals. The report will remain valid until an on-site sewage system is installed pursuant to a construction permit obtained from the Department of Environmental Quality, or until earlier cancellation, pursuant to EQC rules, with written notice thereof by the Department to the owners according to DEQ records or the County tax records. Subject to the foregoing, this report runs with the land and will automatically benefit subsequent owners.

Technical Information pertaining to this report is available upon request. If you have any questions or would like to discuss matters further, please feel welcome to contact me at 503-229-6313.

Sincerely,



Dewey W. Darold, R.S.

Natural Resource Specialist

Northwest Region, Water Quality

DWD:dwd

Encl: 2-3-98 Plans and Specifications prepared by Smits & Associates, Inc.

cc: DEQ/ NCBO

Smits & Associates, Inc.

P.O. Box 116

Clackamas, OR 97015-0116

APR 15 1998

NORTH OREGON BRANCH OFFICE  
WARRENTON

**SMITS & ASSOCIATES, INC.**  
John L. Smits, R.S.  
P. O. Box 116  
Clackamas, OR 97015-0116  
(503) 659-5623  
**SPECIFICATIONS**  
April 14, 1998

**Property owner:** Robert & Barbara Harn  
Plan for Four (4) bedroom system [Equal distribution with Hydrosplitter]  
**Physical address:** \_\_\_\_\_ Walluskie Loop Road  
**Legal description:** T. 8N., R. 9W., Sec. 27, Tax lot 1200 (5.15 acres)  
**County:** Clatsop County  
**Site approval date:** Pending review of stake-out  
**Projected Installer:** To be bid **DEQ License No.:**

**FILTER FABRIC:** Meet OAR 340-73-041 as in CEREX 25 or DUPOUNT TYPAR 3201

**DRAIN MEDIA:**

Clean, washed gravel, crushed rock having a minimum size of 3/4" and a maximum size of 2 1/2". ~~Crushed rock is not permitted in the sand filter due to a potential to puncture the 30-mil PVC liner.~~

**SEWAGE GENERATING FACILITY:**

Single family home not > 4 bedrooms (Projected daily sewage flow = 450 gpd). Disposal trench design flow (Q = 450 gpd). (The actual flow to the system is expected to average 225 gpd)

**SOIL ABSORPTION FACILITY:**

375 ft. as various length, disposal trenches using equal distribution Hydrosplitter. Trenches not more than 36" nor less than 30" deep.

**SEPTIC TANK:**

1,500 gallon Septic/ Dosing tank combination (1,000 gal. 1<sup>st</sup> 500 gal. 2<sup>nd</sup> - comp.) by Waite Concrete Products of Canby, Oregon (266-2670). Equipped with OSI PVC risers, screened vault and pumping equipment as listed on plan sheets, by Orenco Systems of Sutherlin, OR (541) 459-4449). Dose volume not to exceed 20% of the projected daily sewage flow or approx. 90 gal. (about 8" in a Waite septic/dosing tank). A 4" demand dose is proposed. **Other two (2) compartment tanks with similar dimensions are acceptable.**

Water tightness of the dosing septic tank is to be demonstrated with risers set, inlet connection made and all seams etc. complete. The manufacturer shall be consulted for guidance on the conduct of the test. In general, the dosing septic tank is to be water tested for a 24 hour period with the inlet pipe effectively capped and the tank filled with water to a level not more than 2" above the tank top. Use extreme caution when filling the tank. If the water level rises to more than 4" above the tank top, the tank top may "float". During the test there shall be no more than a one (1) gallon leakage over a 24 hour period.

*Dewey Darold, R.S.  
Approved  
Pages 1 → 15*

**Trench parts/equipment:**

Five (5) outlet Hydrosplitter with enclosure **MODEL HS(5)**  
**Contractor to provide trench lengths to Orenco for mfg.**  
**Of the orifice control disks.**  
375 ft. 3 or 4" PVC perforated, ASTM D-2729  
10 - 3 or 4" diameter end caps. Five (5) with holes to accept 1" Sch. 40 PVC header pipes.  
Approx 14 cu. yds. drain media (drainrock)  
Sufficient filter fabric to cover 375 lin. ft. drain media prior to placement of soil backfill

**Dosing septic tank parts and equipment:**

Waite's 1,500 gal. precast concrete septic /dosing tank or Equal.  
3 - 12" long x 24" dia. PVC risers with 24" dia. gasketed fiberglass lids.

4" Biotube Effluent filter 1'st to 2'nd compartment **MODEL:FTO 44436**  
Screened pump vault:  
PVC w/1/8" Biotube filter & flow inducer **MODEL SVT1260 18Fi4**  
New product with external flow inducer.  
Splice Box; PVC w/4 cord grips & 3/4" outlet fitting **MODEL SB3**  
Mercury Switch float assembly:  
w/signal alarm and on/off floats **MODEL MF-EB**  
Alarm Panel: With ETM & Counter **MODEL S-1 ETM,CT**  
Hose & Valve Assembly, w/check & ball valve **MODEL HV125BC**  
Effluent Pump: OSI, 1/2 Hp., 115 VAC, 11.9 amps. **MODEL P12AER05HH 8 stage**



# Oregon

John A. Kitzhaber, M.D., Governor

Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

March 2, 1998

Robert E. & Barbara Harn  
Route 5, Box 928  
Astoria, OR 97103

Re: OSS: NWR: Clatsop County: Site Evaluation Report: Twn 8N, Rng 9W, Section 27, Tax Lot 1200: 5.15 Acres

Dear Mr. & Mrs. Harn:

In response to your application for another site evaluation, Dewey W. Darold, R.S., examined the above-described property (located off Hwy. 202) on February 19, 1998, to determine the methods of on-site sewage disposal for which it is suited. This evaluation and report is based upon current Department of Environmental Quality (DEQ) regulations governing on-site sewage disposal, Oregon Administrative Rules (OAR) Chapter 340, Divisions 71 and 73.

Based upon the results of the study, the site was found to comply with established criteria for a conventional sand filter treatment and disposal system with a serial distribution drainfield.

The system would have the capacity to serve a single family dwelling, with no more than 4 bedrooms. Peak daily sewage flow into the system is limited to 450 gallons, with an average daily sewage flow of not more than approximately 225 gallons per day. Premature system failure may occur if either flow limit is exceeded. If you expect your family's water use to exceed these flows, it is recommended the system be made larger.

Please refer to the enclosed field worksheet for information about the site observations and location of the disposal system (including the future repair/replacement disposal system). **The system will consist of a minimum 1,100 gallon dosing septic tank or equivalent, an effluent lift pump, associated controls and alarm, a 360 square-foot sand filter, and 150 lineal feet of disposal trench. Trench depth will be 30 to 36 inches. The replacement system, when necessary in the future, will consist of the same type system as the initial.**

**PLEASE NOTE:** The soil surface horizon within the drainfield areas had been eroded away and small rills are prevalent through the side slopes. To reduce further erosion on these slopes, it is highly recommended you install water bars, culverts, berms, or use other comparable methods to avoid additional acceleration of the soil surface. Surface water overland flow has caused erosion remnant channels in some areas as deep as 6 inches or more. Measures need to be taken now to reduce further sediment transport of top soil. Since the existing soil surface vegetation has been stripped, the soils should be planted soon with grass seed and fertilized to establish a cover crop and prevent potential downward mass movement/slumping of soils.

Robert E. & Barbara Harn

March 2, 1998

Page 2

Maintain a minimum 50 foot setback to any surface waters from drainfield, 100 foot setback to any downgradient springs and wells from drainfield, 25 foot setback to any cutbanks, and a minimum 10 foot setback to water lines and underground utilities. If you choose to utilize a reinforced concrete container for the sand filter, please be advised that plans for the container must be prepared by a registered professional engineer with relevant experience.

A standard serial distribution system was considered for this property but it appears limited area is available to install 375 linear feet of disposal trench and stay within the minimum and maximum disposal trench depth limits of 30"/36", respectively. A sand filter system is being approved due to limited approvable area, modification of natural soil conditions from logging and/or clearing activities, and modifications made for surface water diversion. It is recommended you work with your consultant and demonstrate through a field stake-out whether 375 linear feet of disposal trench can be installed and meet all construction detail and setback requirements. Please provide ground surface elevations at three points along each trench and stake-out trenches at beginning, end, and every 25 feet. Please refer to the enclosed site diagram for information concerning the area where the drainfield stake-out must occur. A to-scale plot plan should be submitted to this office prior to reviewing the site again. No additional fees will be incurred if you contact our North Coast Branch Office in Warrenton within 90 days from the date of this site evaluation report and request another inspection.

A construction-installation permit is required to install the sewage system on the approved site. A permit will be issued after plans, specifications, and required fees are received and approved by the North Coast Branch Office of the Department of Environmental Quality, 19 North Highway 101, Warrenton OR 97146. The phone number is 503-861-3280.

This approval is given on the basis that the lot or parcel described above will not be further partitioned or subdivided, and that conditions on the subject or adjacent properties have not been altered in any manner which would prohibit issuance of a permit in accordance with ORS 454.605 through 454.745 and Administrative Rules of the Environmental Quality Commission (EQC). Any such subdivision, partitioning or alteration may void this report.

**WARNING:** This is a technical report for on-site sewage disposal only. It may be converted to a permit **only** if, at the time of permit application, the property has been found to be compatible with applicable LCDC-acknowledged local comprehensive land use plans and implementing measures or the Statewide Planning Goals.

Robert E. & Barbara Harn  
March 2, 1998  
Page 3

The report will remain valid until an on-site sewage system is installed pursuant to a construction permit obtained from the Department of Environmental Quality, or until earlier cancellation, pursuant to EQC rules, with written notice thereof by the Department to the owners according to DEQ records or the County tax records. Subject to the foregoing, this report runs with the land and will automatically benefit subsequent owners.

Technical Information pertaining to this report is available upon request. If you have any questions or would like to discuss matters further, please feel welcome to contact me at 503-229-6313.

Sincerely,



Dewey W. Darold, R.S.  
Natural Resource Specialist  
Northwest Region, Water Quality

DWD:dwd

Encl: Site Diagram/Soil Field Worksheet

cc: DEQ/ NCBO

Smits & Associates, Inc.  
14687 SE Kingston Avenue  
Milwaukie, OR 97267-1943

**SITE EVALUATION - FIELD NOTES**

T 8N R 9W S 27 TL 1200 APPLICANT Robert Horn

SIZE 5.15 Acres EVALUATOR Dewey Darold DATE 2-19-98

- |                        |                         |                            |                       |               |
|------------------------|-------------------------|----------------------------|-----------------------|---------------|
| st -stones & stony     | vfs -very fine sand     | vfsl -very fine sandy loam | sc -sandy clay        | 0 -stressless |
| cob -cobbles & cobbly  | icos -loamy coarse sand | l -loam                    | sic -silty clay       | 1 -weak       |
| g -gravel & gravelly   | ls -loamy sand          | si -silt                   | c -clay               | 2 -moderate   |
| vcos -very coarse sand | lfs -loamy fine sand    | sil -silt loam             | llesd -layer limiting | 3 -strong     |
| cos -coarse sand       | cosl -coarse sandy loam | scl -sandy clay loam       | effective soil depth  | pl -play      |
| s -sand                | sl -sandy loam          | cl -clay loam              | w -weathered          | pr -prismatic |
| fs -fine sand          | fsl -fine sandy loam    | sicl -silty clay loam      | fx -fractured         | bk -blocky    |
|                        |                         |                            | sed -sedimentary      | -abk; sbk     |

NOTES: redoximorphic features, water, roots, structure  
llesd, % loose rock, etc.

DEPTH (inches)    TEXTURE    COLOR

|   |         |        |          |                              |
|---|---------|--------|----------|------------------------------|
| 1 | 0"-12"  | SIL    | 10YR 2/2 | wk sbk, fri, few fine roots, |
|   | 12-30"  | SL     | 10YR 5/4 | wk sbk, v. fri,              |
|   | 30"-58" | SL → S | 10YR 5/6 | single grain, v. fri         |
|   | 58"     |        |          | H <sub>2</sub> O             |

notes

|   |         |          |          |                                                |
|---|---------|----------|----------|------------------------------------------------|
| 2 | 0"-4"   | SIL      | 10YR 3/2 | wk sbk, fri, slight compaction, few fine roots |
|   | 4"-30"  | SICL     | 10YR 4/3 | wk sbk, fri, clay films                        |
|   | 30"-48" | SICL/SIL | 10YR 5/4 | wk sbk, fri,                                   |
|   | 48"-    | SL       |          | Sandy Marine Sediments. H <sub>2</sub> O @ 48" |

notes Auger in pit 48" 2.5 Y 6/4 w 7.5 Y 7/1 + 7/2

|   |  |   |  |                                                                 |
|---|--|---|--|-----------------------------------------------------------------|
| 3 |  | * |  | Auger hole 15' downslope test pit #2. No H <sub>2</sub> O to 6' |
|   |  |   |  |                                                                 |
|   |  |   |  |                                                                 |

notes

|   |  |  |  |  |
|---|--|--|--|--|
| 4 |  |  |  |  |
|   |  |  |  |  |
|   |  |  |  |  |

notes

SLOPE 22-43% ASPECT Variable GROUNDWATER NA; TEMP; PERM.

SYSTEM TYPE: Alt. Conv. Sand Filter \*Unless state-out can show otherwise design sewage flow 450 gpd

initial: \_\_\_\_\_ replacement: Same

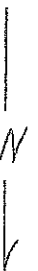
disposal field sizing: 50 /150 g disposal field sizing: " /150 g

max. depth absorption facility: 30/36 inches max. depth absorption facility: " inches

special conditions: \_\_\_\_\_

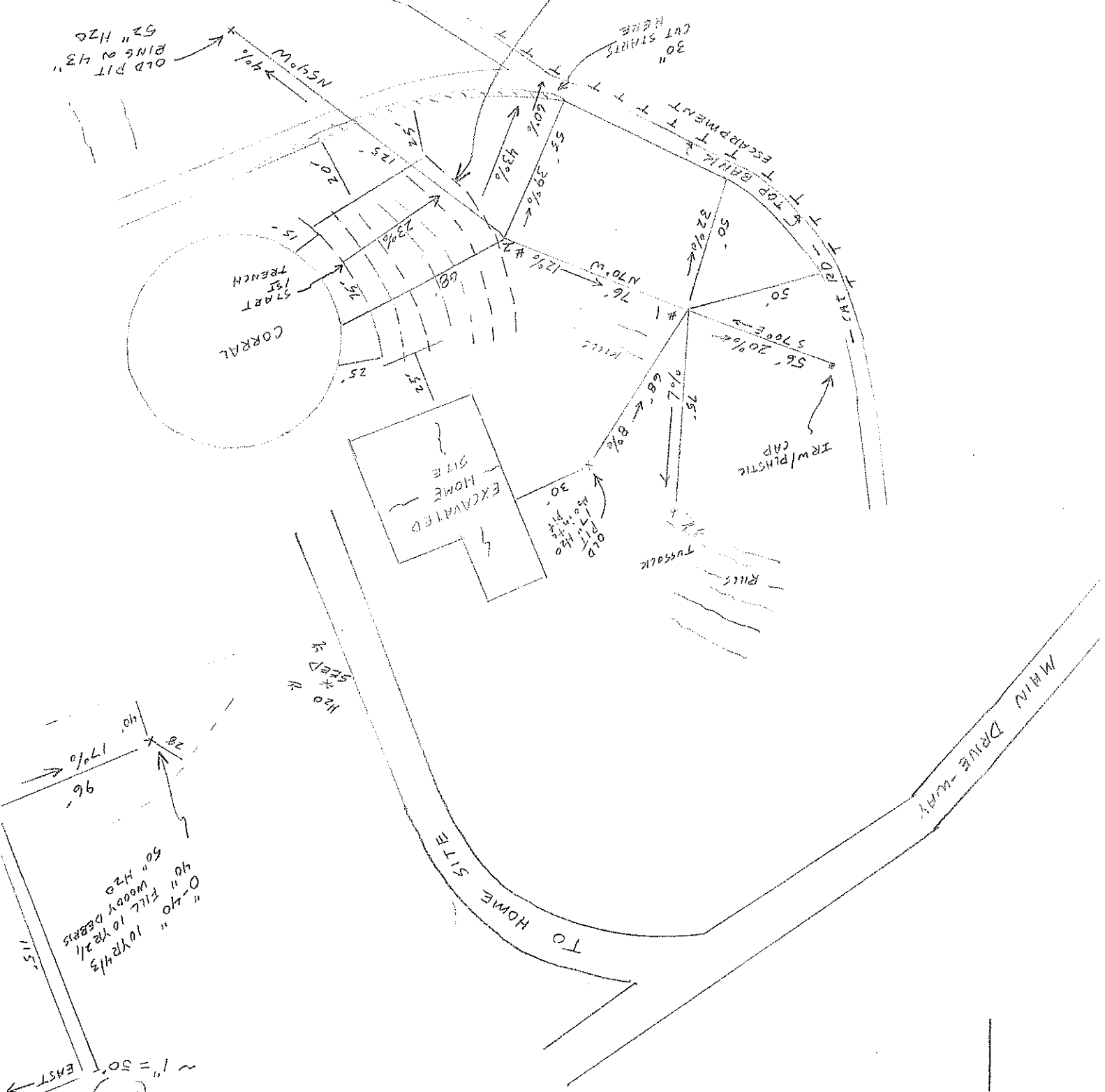
COMMENTS \_\_\_\_\_





Bob + Barbara Horn  
809-27-1200  
5.15 Acres

Dewey David  
2-19-98  
S.E.  
(NTS)  
~ 1" = 30'  
EAST →  
115'  
0-40" 10 YR 4/3  
40" FILL WOODY DEBRIS  
50" H2O



OLD PIT  
RING @ 43"  
52" H2O

Stake-out area no further  
downslope from test pit #2  
25' SETBACK TO CUTBANKS

CORRAL  
START  
TRENCH

EXCAVATED  
HOME  
SITE

IRW/PINSTIC

TO HOME SITE

MAIN DRIVE - QUARRY

1" = 30'  
EAST →

STATE OF OREGON  
 DEPARTMENT OF ENVIRONMENTAL QUALITY  
 NORTH COAST OFFICE  
 19 N. Highway 101  
 Warrenton, OR 97146  
 (503) 861-3280

**OFFICE USE ONLY**  
 Date Rec'd 2-10-98  
 Date Completed 3-1-98  
 Required Fee \$ 365.00  
 Receipt No. N/A  
 Control No. \_\_\_\_\_

\* FEE PAID 10-14-97 FOR PERMIT (9100)  
 \$ 365 APPLIED TO THIS APPLICATION

**FOR APPLICANT'S USE - (PLEASE PRINT)**

5 acres

Lot Size (Acreage or Dimensions)

Robert & Barbara Harn

(Property Owner's Name)

(Applicant's Name if Different from Owner)

Legal Description  
 of Property

8 9 27 0108 80927 01200 Clatsop  
 (Township) (Range) (Section) (Tax Lot/Acct. No.) (County)

For Parcels in Platted  
 Subdivisions, Indicate

(Subdivision Name) (Lot Number) (Block Number)

**Proposed Facility**

**Water Supply**

Single Family Residence 3  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

Public (Community System)  
 Private \_\_\_\_\_  
 (Indicate: Well, Spring, Etc.)

**Existing Facility**

Single Family Residence \_\_\_\_\_  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

**APPLICATION FOR:**

- |                                                                                  |                                                                             |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Site Evaluation Report                       | <input type="checkbox"/> Authorization Notice                               |
| <input type="checkbox"/> Permit to Construct On-Site Sewage Disposal System      | <input type="checkbox"/> Purpose of Authorization Notice                    |
| <input type="checkbox"/> Permit to Repair On-Site Sewage Disposal System         | <input type="checkbox"/> Connect to an existing system not currently in use |
| <input type="checkbox"/> Permit for Alteration of On-Site Sewage Disposal System | <input type="checkbox"/> Replace one mobile home with another or a house    |
| <input type="checkbox"/> Permit Renewal                                          | <input type="checkbox"/> Replace or rebuild a house                         |
| <input type="checkbox"/> Existing System Report                                  | <input type="checkbox"/> Addition of one or more bedroom                    |
| <input type="checkbox"/> Plan Review                                             | <input type="checkbox"/> Personal hardship                                  |
| <input type="checkbox"/> Other (Specify) _____                                   | <input type="checkbox"/> Temporary housing                                  |
|                                                                                  | <input type="checkbox"/> Other (Specify) _____                              |

This application will be returned if it is not filled out completely and accompanied by the appropriate fee and attachments required in the guidance packet. Your site must be prepared according to instructions in the guidance packet before action can be taken on this application.

By my signature, I certify that the information I have furnished is correct, and hereby grant the Department of Environmental Quality and its authorized agent permission to enter onto the above described property for the purpose of this application.

Robert Harn  
 (Signature)

2-10-98  
 (Date)

Authorized Representative  
 Licensed Installer  
 License No. \_\_\_\_\_

Robert Harn  
 Owner's Mailing Address

Applicant's Mailing Address (if different)

Robert E. Harn  
Rt 5, Box 928  
Astoria, OR 97103

Phone 325-3000

Phone \_\_\_\_\_

IW\WC8\WC8690 (7-19-91)

# Smits & Associates, Inc

John L. Smits, R.S.  
P. O. Box 116  
Clackamas, OR 97015-0116  
(503) 659-5623 Fax (503) 659-1666

DEPT. OF ENVIRONMENTAL QUALITY  
RECEIVED

FEB 10 1998

NORTH COAST BRANCH OFFICE  
WARRENTON

## Memorandum

To: Dewey Darold, R.S.  
Environmental Specialist  
DEQ-Northwest Region

CC: Bob Harn

From: John L. Smits  
Smits & Associates, Inc.

Date: 02/06/98

Re: On-Site Sewage Disposal Consultation  
Robert Harn Property  
T.8N.,R.9W.,Sec.27 TL 1200  
Clatsop County

This site was reviewed several times by Mary King and Dennis Illingworth R.S. Two (2) test pits were examined. On October 7, 1997, based on fieldwork by other staff, you approved the area around test pit No. 2 for trenches following a sand filter. You indicated that the trench depth could range from 30 to 36".

Mr. Harn asked that I review the site and render a second opinion. I first checked the site on November 21, 1997. Original test pit no. 1 held standing water to about 32" from the surface. It was clear from the position that water had run into the pit from up-slope areas, primarily from the homesite excavation. The pit also appears to be located in a very slightly concave position. I attempted to locate a spring down from the pit, but I only found cut grass and tussock. Since the surface is eroded, I think any water noted on October 2, 1997 as indicated in the Departments field notes, was probably only surface flow and not a spring in the usual sense. Approved pit no. 2 was dry to 60 inches.

I suggested that additional test pits be prepared in the space between the first two. Pits were dug and I reviewed the site and new pits again on January 8, 1998. The attached drawing shows the homesite, the original two (2) pits and the two- (2) recent pits. The slope through the area is complex and depending on the area checked varies from 15 to 38%. The effective soil depth is at least 60" and the texture at the dept of trench varies from a loam to a silty clay loam owing to the profile development being weathering from uplifted marine sediments. While gray colors are present below 30" which could be considered iron depletions, I believe the grays are simply parent colors. The convex position also suggests that if there is any seasonal perching of groundwater it will be of short duration.

In my opinion, the site of the new pits can be approved for a standard system of 375 feet of trench if the layout can be placed on slopes of 30% or less. Since part of the area exhibits a slope greater than 30% and the soil depth is 60" or more, a steep slope system could be authorized per OAR 340-71-310 with a minimum sizing of 225 feet of seepage trench using 12" of rock below the pipe. It would be a stretch of the intent, but I think the site could be considered eligible for disposal trenches in saprolite. The depth to varying grades of saprolite will vary over the area, but again OAR 340-71-360 would allow approval of 225 feet of seepage trench.

*Harn Memo Cont.  
Smits & Associates, Inc.*

*February 6, 1998*

In this case, I think a reasonable compromise would be to approve the site for an initial system of 300 feet of seepage trench. The replacement system could be the original area approved for a sand filter if a second seepage trench area can't be proved out when a repair becomes necessary.

If you need any additional information, please feel free to contact me at (503) 659-5623.

Encl.:

STATE OF ORE  
 DEPARTMENT OF ENVIRONMENTAL QUALITY  
 NORTH COAST OFFICE  
 17 N. Highway 101  
 Warrenton, OR 97146  
 (503) 861-3280

OFFICE USE ONLY  
 Date 10-14-97  
 Date Completed \_\_\_\_\_  
 Required Fee \$ 910.00  
 Receipt No. 80290  
 Control No. \_\_\_\_\_

FOR APPLICANT'S USE - (PLEASE PRINT)

22 acres  
 Lot Size (Acreage or Dimensions)

Bob & Barbara Narn  
 (Property Owner's Name) (Applicant's Name if Different from Owner)

Legal Description of Property 2N 9W 27 1200 & 1201  
 (Township) (Range) (Section) (Tax Lot/Acct. No.) (County)

For Parcels in Platted Subdivisions, Indicate (Subdivision Name) (Lot Number) (Block Number)

Proposed Facility

Water Supply

Single Family Residence 3  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

Public (Community System)  
 Private \_\_\_\_\_  
 (Indicate: Well, Spring, Etc.)

Existing Facility

Single Family Residence \_\_\_\_\_  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

APPLICATION FOR:

- Site Evaluation Report
- Permit to Construct On-Site Sewage Disposal System
- Permit to Repair On-Site Sewage Disposal System
- Permit for Alteration of On-Site Sewage Disposal System
- Permit Renewal
- Existing System Report
- Plan Review
- Other (Specify) \_\_\_\_\_
- Authorization Notice Purpose of Authorization Notice
- Connect to an existing system not currently in use
- Replace one mobile home with another or a house
- Replace or rebuild a house
- Addition of one or more bedroom
- Personal hardship
- Temporary housing
- Other (Specify) \_\_\_\_\_

This application will be returned if it is not filled out completely and accompanied by the appropriate fee and attachments required in the guidance packet. Your site must be prepared according to instructions in the guidance packet before action can be taken on this application.

By my signature, I certify that the information I have furnished is correct, and hereby grant the Department of Environmental Quality and its authorized agent permission to enter onto the above described property for the purpose of this application.

Barbara Narn  
 (Signature)

4-16-96  
 (Date)

Authorized Representative  
 Licensed Installer  
 License No. \_\_\_\_\_

Owner's Mailing Address

Applicant's Mailing Address (if different)

Bob & Barbara Narn  
Rt 5 Box 928  
Astoria, OR 97103

Phone \_\_\_\_\_

IW\WC8\WC8690 (7-19-91)

Phone 325-3000

FOR DEQ USE ONLY

#96-295

LAND USE COMPATIBILITY STATEMENT FOR ON-SITE SEWAGE DISPOSAL SYSTEMS

|                                        |                                                                        |                   |
|----------------------------------------|------------------------------------------------------------------------|-------------------|
| APPLICANT'S NAME<br>Bob & Barbara Harn | MAILING ADDRESS<br>Rt 5 Box 928<br>Astoria, OR 97103<br>CITY STATE ZIP | PHONE<br>325-3000 |
|----------------------------------------|------------------------------------------------------------------------|-------------------|

|                                                                                   |                                                                                     |             |               |                                   |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|---------------|-----------------------------------|
| P<br>L<br>O<br>C<br>A<br>L<br>P<br>E<br>R<br>I<br>O<br>D<br>I<br>C<br>I<br>T<br>Y | TOWNSHIP<br>8N                                                                      | RANGE<br>9W | SECTION<br>27 | TAX LOT OR ACCT NO<br>1200 & 1201 |
|                                                                                   | SUBDIVISION/PROJECT<br>—                                                            | LOT<br>—    | BLOCK<br>—    | COUNTY<br>—                       |
|                                                                                   | <input type="checkbox"/> PROPERTY IS A LOT OF RECORD CREATED BEFORE AUGUST 1, 1981. |             |               |                                   |

PROPOSED LAND USE  
Single Family Dwelling

STATEMENT OF COMPATIBILITY FROM APPROPRIATE LAND USE AUTHORITY (An equivalent statement may be provided in lieu of this form)

PROPERTY'S ZONING DESIGNATION  
AF-20

THE ABOVE PROPOSAL HAS BEEN REVIEWED AND FOUND TO BE:

COMPATIBLE WITH THE LCDC ACKNOWLEDGED COMPREHENSIVE PLAN OR  CONSISTENT WITH THE STATEWIDE PLANNING GOALS

NOT COMPATIBLE WITH THE LCDC ACKNOWLEDGED COMPREHENSIVE PLAN OR  NOT CONSISTENT WITH THE STATEWIDE PLANNING GOALS

REASON FOR FINDING OF COMPATIBILITY / INCOMPATIBILITY  
Allowed use in zone (with Cond. Use Permit)

PROPERTY IS LOCATED: (check one)

INSIDE CITY  INSIDE URBAN GROWTH BOUNDARY OUTSIDE CITY LIMITS  OUTSIDE URBAN GROWTH BOUNDARY

LAND USE AUTHORITY  
GLATSOP COUNTY DEPT. OF PLANNING & DEVELOPMENT

|                           |                  |                 |
|---------------------------|------------------|-----------------|
| SIGNED<br>Rebecca Shasawa | TITLE<br>Planner | DATE<br>4-17-96 |
|---------------------------|------------------|-----------------|

CITY/COUNTY CONCURRENCE IF INSIDE URBAN GROWTH BOUNDARY

|        |       |      |
|--------|-------|------|
| SIGNED | TITLE | DATE |
|--------|-------|------|



AGENCY REVIEW & APPROVAL FORM  
(STRUCTURE AND MOBILE HOME PLACEMENT)

JOB SITE INFORMATION:

Job Site Address: Rt 5, Box 928 City: Astoria

Owner: Robert & Barbara Harn Phone: 325-3000

Owners Address: Rt 5, Box 928 Astoria, OR

Proposed Development/Construction: Dwelling

800 Exchange Street,  
Suite 100  
Astoria, Oregon 97103

STATE DEQ (DEPARTMENT OF ENVIRONMENTAL QUALITY)

Legal Description: T 8N R 9W SEC. 27 Tax Lot 1200

Permit Needed - Yes ( ) No ( ) Site Approved - Yes ( ) No ( )

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Remarks: \_\_\_\_\_

Department of  
Planning and Development

Phone (503) 325-8611  
Fax (503) 338-3666

DEQ North Coast Branch Office, 19 North Highway 101, Warrenton, Oregon 97146 Phone: (503) 861-3280

CLATSOP COUNTY PLANNING DEPARTMENT

Legal Description: T R SEC. Tax Lot

Zone: \_\_\_\_\_ Overlay District: \_\_\_\_\_

Development Permit - Yes ( ) No ( ) # \_\_\_\_\_

Flood Plain - Yes ( ) No ( ) Elevation Requirements: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Remarks: \_\_\_\_\_

October 7, 1997

Robert E. Harn  
Route 5, Box 928  
Astoria, OR 97103

DEPARTMENT OF  
ENVIRONMENTAL  
QUALITY

RE: OSS:NWR: CLATSOP COUNTY:  
SITE EVALUATION  
TWN 8N, RNG 9W, SEC 27, TAX LOT 1200  
5.15 ACRES

NORTHWEST REGION

Dear Mr. Harn:

In response to your recent application for site evaluation, the above-described property was examined on September 18 and October 2, 1997, to determine the methods of on-site sewage disposal for which it is suited. The site was found to comply with established criteria for a conventional sand filter system with drainfield.

The system would have the capacity to serve a single family dwelling, with no more than 4 bedrooms. Peak daily sewage flow into the system is limited to 450 gallons, with an average daily sewage flow of not more than approximately 225 gallons per day. Premature system failure may occur if either flow limit is exceeded. If you expect your family's water use to exceed these flows, it is recommended that the system be made larger.

Please refer to the enclosed field worksheet for information about the site observations and location of the disposal system (including the future repair/replacement disposal system). **The system will consist of a minimum 1,100 gallon dosing septic tank, an effluent lift pump, associated controls and alarm, a 360 square-foot sand filter, and 150 lineal feet of trench. Trench depth will be 30 to 36 inches. The replacement system, when necessary in the future, will consist of the same type system as the initial. Provide a surface water diversion ditch above the drainfield, and grade, seed, and stabilize the finished drainfield to prevent erosion.** Maintain a minimum 50 foot setback to surface water, and minimum 10 foot setback to water lines and underground utilities. If you choose to utilize a reinforced concrete container for the sand filter, please be advised that plans for the container must be prepared by a registered professional engineer with relevant experience.

A sand filter system is necessary on this property due to limited approvable area due to minor spring activity observed in the area of test pit 1; modification of natural soil conditions from logging or clearing activities; evidence of wet conditions along the downslope roadside embankment; required setbacks to surface water and cutbanks; modifications that have been made for surface water diversion; and indications of temporary groundwater in the area of test pit 1.

John A. Kitzhaber  
Governor



2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

DEQ-1



October 8, 1997

Page 2

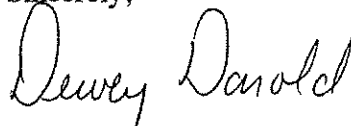
A construction-installation permit is required to install the sewage system on the approved site. A permit will be issued after plans, specifications, and required fees are received and approved by the North Coast Branch Office of the Department of Environmental Quality, 19 North Highway 101, Warrenton OR 97146. The phone number is 503-861-3280.

This approval is given on the basis that the lot or parcel described above will not be further partitioned or subdivided, and that conditions on the subject or adjacent properties have not been altered in any manner which would prohibit issuance of a permit in accordance with ORS 454.605 through 454.745 and Administrative Rules of the Environmental Quality Commission (EQC). Any such subdivision, partitioning or alteration may void this report.

**WARNING:** This is a technical report for on-site sewage disposal only. It may be converted to a permit **only** if, at the time of permit application, the property has been found to be compatible with applicable LCDC-acknowledged local comprehensive land use plans and implementing measures or the Statewide Planning Goals. The report will remain valid until an on-site sewage system is installed pursuant to a construction permit obtained from the Department of Environmental Quality, or until earlier cancellation, pursuant to EQC rules, with written notice thereof by the Department to the owners according to DEQ records or the County tax records. Subject to the foregoing, this report runs with the land and will automatically benefit subsequent owners.

If you have any questions please contact me at this office. The phone number is 503-229-6313.

Sincerely,



Dewey W. Darold, R.S.  
Environmental Specialist  
Northwest Region, Water Quality

DWD:mlk

cc: DEQ/ NCBO

Enclosure

COUNTY Clatsop

SITE EVALUATION - FIELD NOTES

T 8 R 9 S 27 TL 1200 APPLICANT Robert Harn

SIZE 5.15 ac EVALUATOR M. King DATE 9-18-97

with Dennis Illingworth 10/2/97

|                        |                         |                            |                                            |                  |                        |
|------------------------|-------------------------|----------------------------|--------------------------------------------|------------------|------------------------|
| st -stones & stony     | fs -fine sand           | sl -sandy loam             | sci -sandy clay loam                       | w -weathered     | pl -play               |
| cob -cobble & cobbly   | vfs -very fine sand     | fsl -fine sandy loam       | cl -clay loam                              | fx -fractured    | pr -prismatic          |
| g -gravel & gravelly   | lcos -loamy coarse sand | vfsl -very fine loamy sand | sicl -silty clay loam                      | sed -sedimentary | bk -blocky             |
| vcos -very coarse sand | ls -loamy sand          | l -loam                    | sc -sandy clay                             | 0 -no structure  | abk -angular blocky    |
| cos -coarse sand       | lfs -loamy fine sand    | si -silt                   | sic -silty clay                            | 1 -weak          | blocky                 |
| s -sand                | cosl -coarse sandy loam | sil -silt loam             | c -clay                                    | 2 -moderate      | sbk -subangular blocky |
|                        |                         |                            | llesd -layer limiting effective soil depth | 3 -strong        |                        |

NOTES: structure, % loose rock, roots, redoximorphic features, water, llesd, etc.

DEPTH (inches) TEXTURE COLOR

1 0-21 (varying depths 18-28" 21" ave.)  
 Natural soil conditions modified, damaged by logging/burning, hard & compacted  
 Erratic mix of wood debris and modified soil. Burn evidence. Soil structure has been destroyed.  
 21-30 SiL 10yr 3/2 v. irregular horizon boundary  
 Some areas of redox conc/depth at more restrictive areas of horizon change.  
 30-47 SiCL 10yr 5/4  
 47-72 SiC 10yr 5/6, gradual horizon change  
 com, distinct, coarse redox depletions beg. at 47" 2.5yr 5/2 and 2.5yr 6/3, faint iron masses 7.5yr 5/8  
 notes Debris line at 54", pit apparently drained after rain.

2 0-15 damaged, modified soil (depth varies)  
 15-45 highly decomposed saprolite, textures to SiCL com f roots to 24" debris line @40"  
 45-65 saprolite and sandy marine sediment (textures to sandy loam), variegated colors  
 and striations 5y 7/1 in sandy areas 10yr 4/6, 7.5yr 4A, 2.5yr 6/4  
 diggable to 65" f f roots btwn fracture planes to 65"  
 Saprolite coatings 10yr 5/8 and 7.5yr 4/4 at 48"

notes Provide surface water diversion ditch above drainfield, grade surface of drainfield and seed/stabilize surface to prevent erosion. Maintain min. 50' to surface water.

SLOPE 19-36% ASPECT Variable GROUNDWATER NA; TEMPORARY; PERMANENT

SYSTEM TYPE: design sewage flow 450 gpd

initial: sand filter with drainfield replacement: same

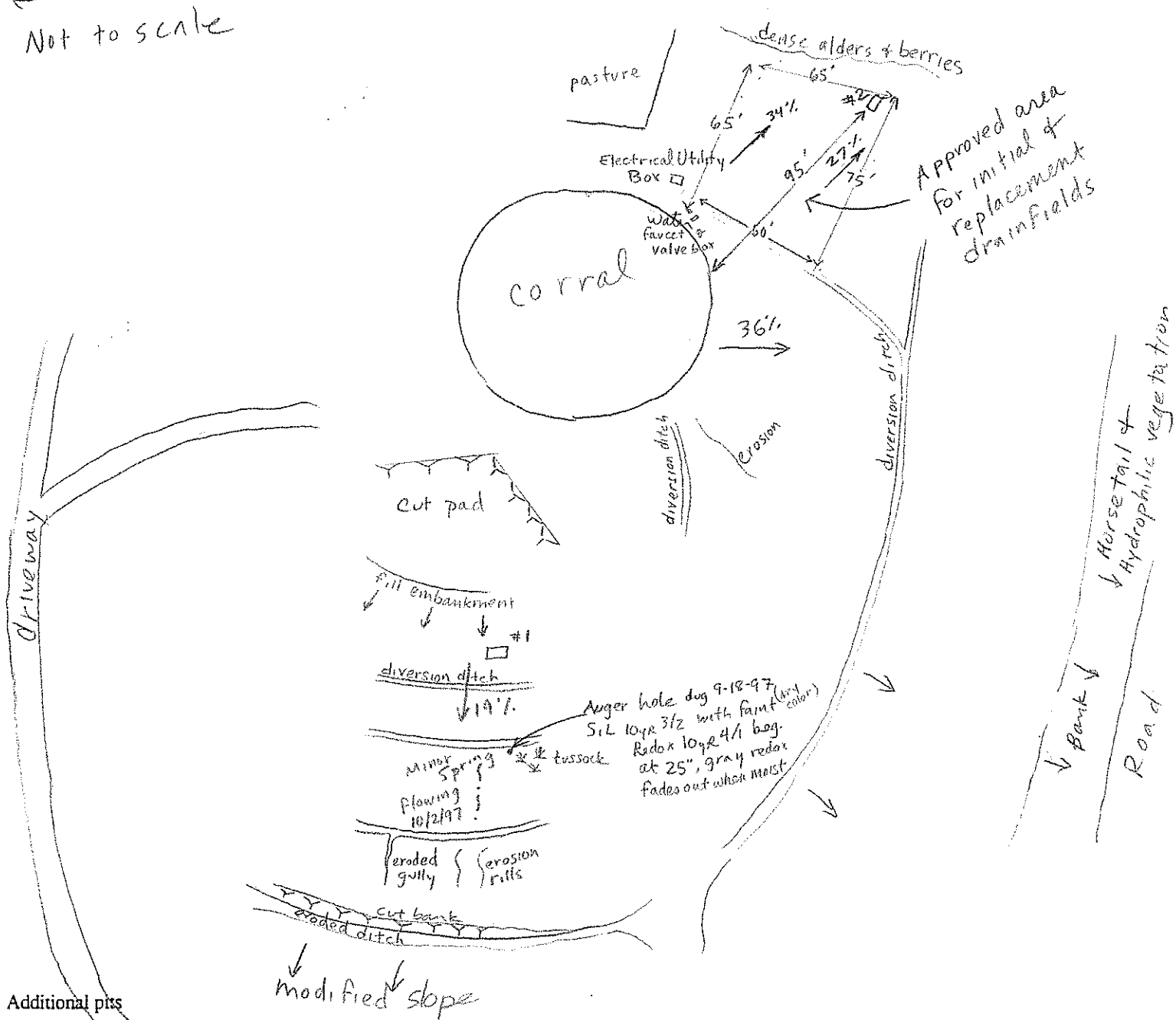
disposal field sizing: 50' /150 g disposal field sizing: ✓ /150 g

max. depth absorption facility: 36 inches max. depth absorption facility: ✓ inches

special conditions/comments Minor spring activity below pit 1 observed 10-2-97, tussock vegetation is present in that vicinity. Surface drainage channels & runoff diversion ditches have been constructed throughout proposed area. Surface erosion prevalent. Vegetation and erosion/embankment instability along road below property.

creek

← N  
Not to scale



Approved area for initial & replacement drainfields

Horse tail & Hydrophilic vegetation

Additional pits

3

notes

4

notes

STATE OF OREGON  
 DEPARTMENT OF ENVIRONMENTAL QUALITY  
 NORTH COAST OFFICE  
 19 N. Highway 101  
 Warrenton, OR 97146  
 (503) 861-3280

OFFICE USE ONLY  
 Date Received 9-3-97  
 Date Completed 10-7-97  
 Required Fee \$365.00  
 Receipt No. 80258  
 Control No. \_\_\_\_\_

FOR APPLICANT'S USE - (PLEASE PRINT)

Robert & Barbara Harn  
 (Property Owner's Name)

5.0 acres  
 Lot Size (Acreage or Dimensions)

Legal Description of Property 8 9 27 0108 80927 01200 Clatsop  
 (Township) (Range) (Section) (Tax Lot/Acct. No.) (County)

For Parcels in Platted Subdivisions, Indicate (Subdivision Name) (Lot Number) (Block Number)

Proposed Facility

Single Family Residence 3  
 (Number of Bedrooms)  
 Other \_\_\_\_\_  
 (Specify)

Water Supply

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 Private \_\_\_\_\_  
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 Personal hardship  
 Temporary housing  
 Other (Specify) \_\_\_\_\_

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By my signature, I certify that the information I have furnished is correct, and hereby grant the Department of Environmental Quality and its authorized agent permission to enter onto the above-described property for the purpose of this application.

Robert Harn  
 (Signature)

9-1-97  
 (Date)

Authorized Representative  
 Licensed Installer  
 License No. \_\_\_\_\_

Owner's Mailing Address  
Robert E. Harn  
Rt 5, Box 928  
Astoria, OR 97103

Applicant's Mailing Address (if different)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Phone 325-3000

Phone \_\_\_\_\_

IW\WC8\WC8690 (7-19-91)

325-9505 (FAX)

DEPT. of ENVIRONMENTAL QUALITY  
RECEIVED

SEP 4 1997

NORTH COAST BRANCH OFFICE  
WARRENTON

862'

U.S. 36000' E.  
1981

COUNTY

619.2

1020.4

Gov. Lot 10

5' ac

1000  
39.44Ac.  
1080

Test Hole

House Site

Test Hole

Corral

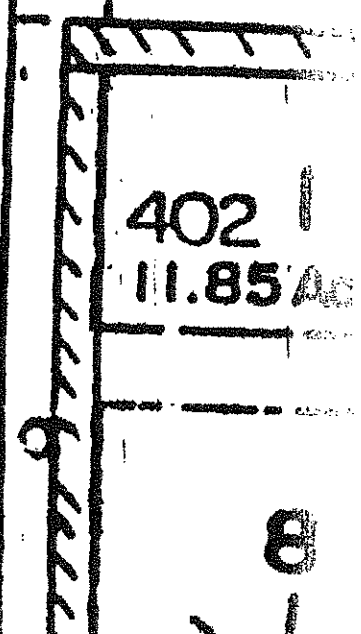
Pasture Pasture

Barn

1201  
3.65Ac.

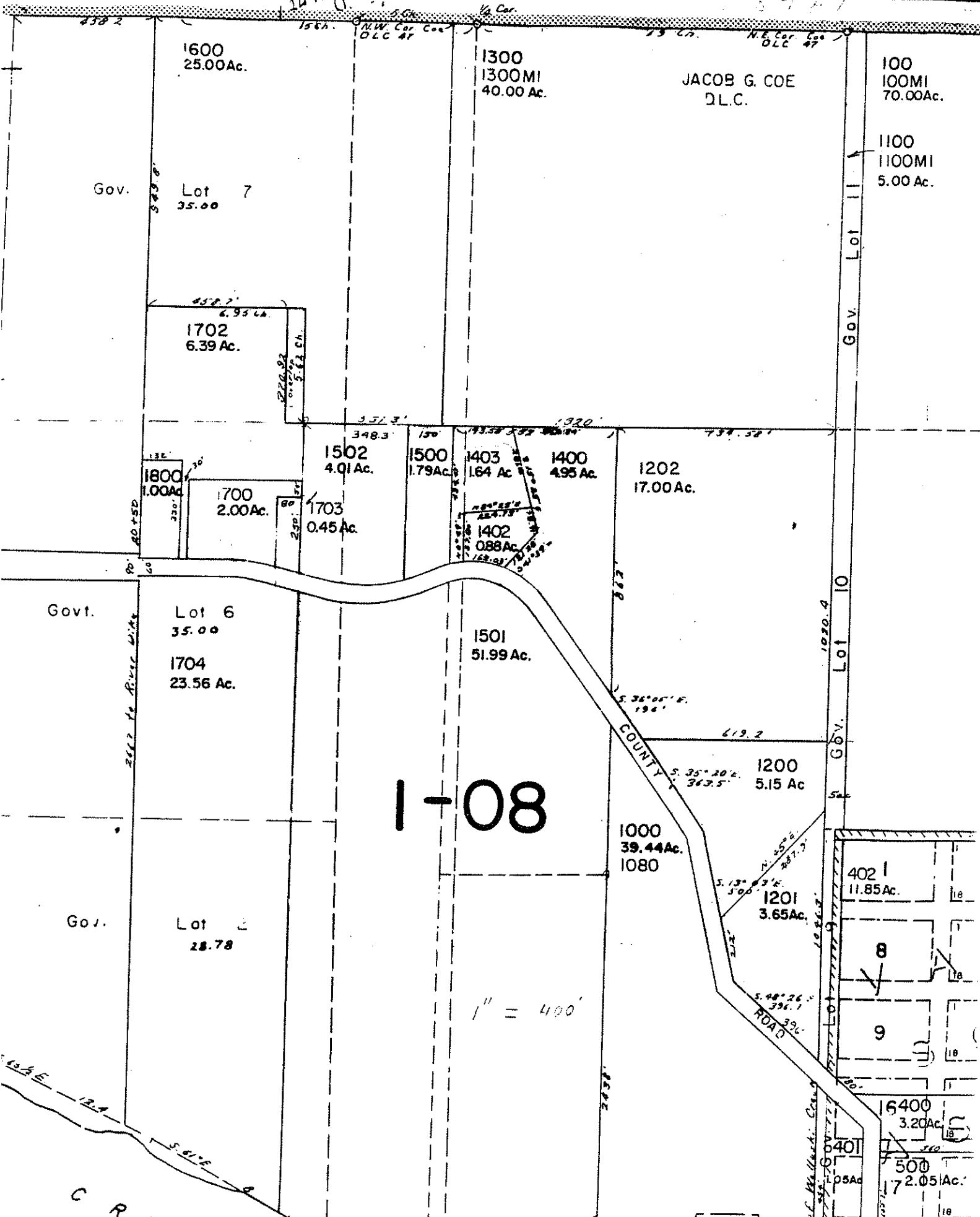
619.2

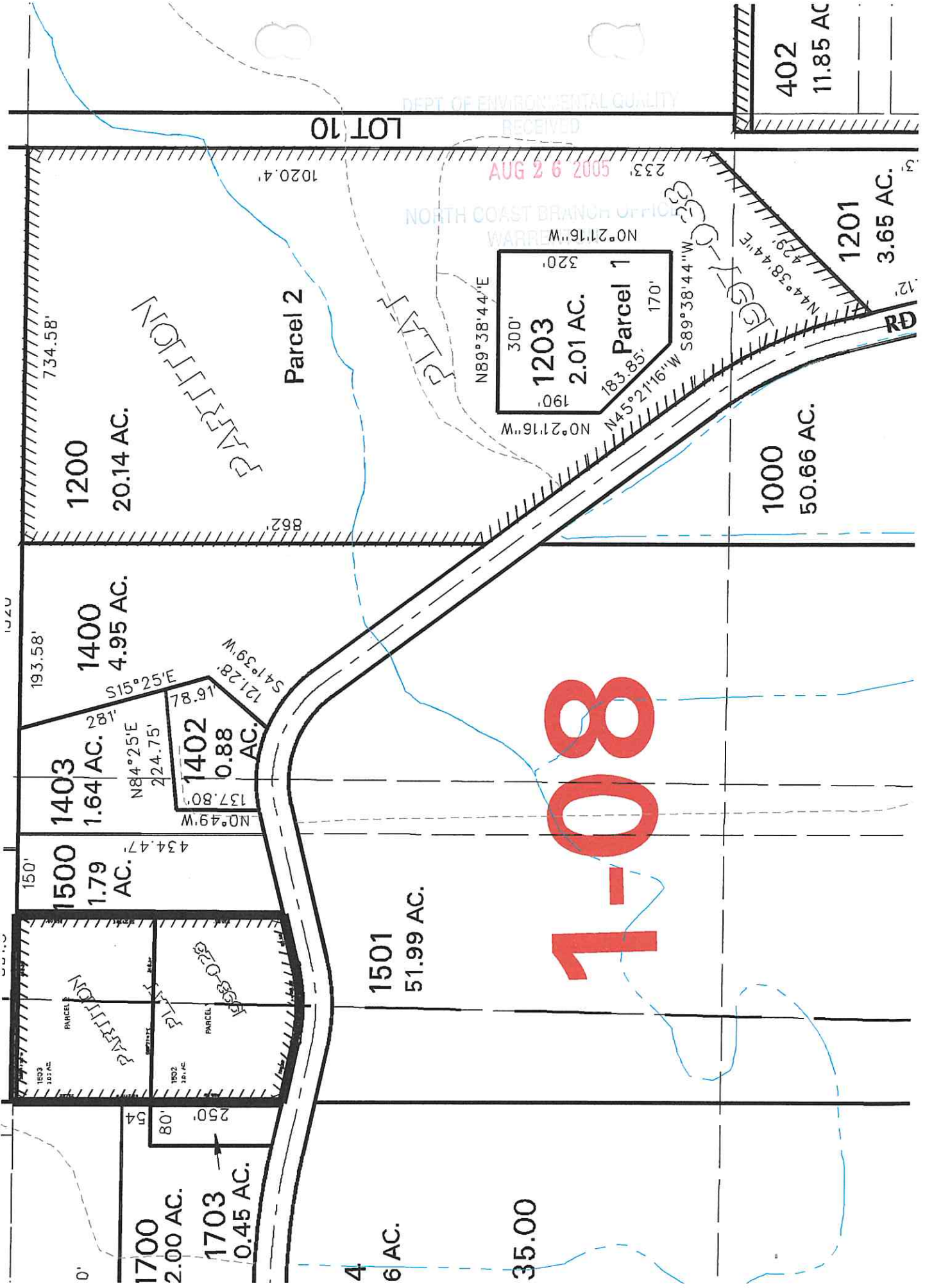
1086.3'



1440

8477





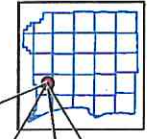
**T8N R9W SEC 27 WM  
CLATSOP COUNTY**  
Scale 1:4800



Canceled Accounts:  
1800A1  
1800B1  
1800C1  
1800D1  
1800E1  
1800F1  
1800G1  
1800H1  
1800I1  
1800J1  
1800K1  
1800L1  
1800M1  
1800N1  
1800O1  
1800P1  
1800Q1  
1800R1  
1800S1  
1800T1  
1800U1  
1800V1  
1800W1  
1800X1  
1800Y1  
1800Z1

Additional Detail Maps on Separate Sheets

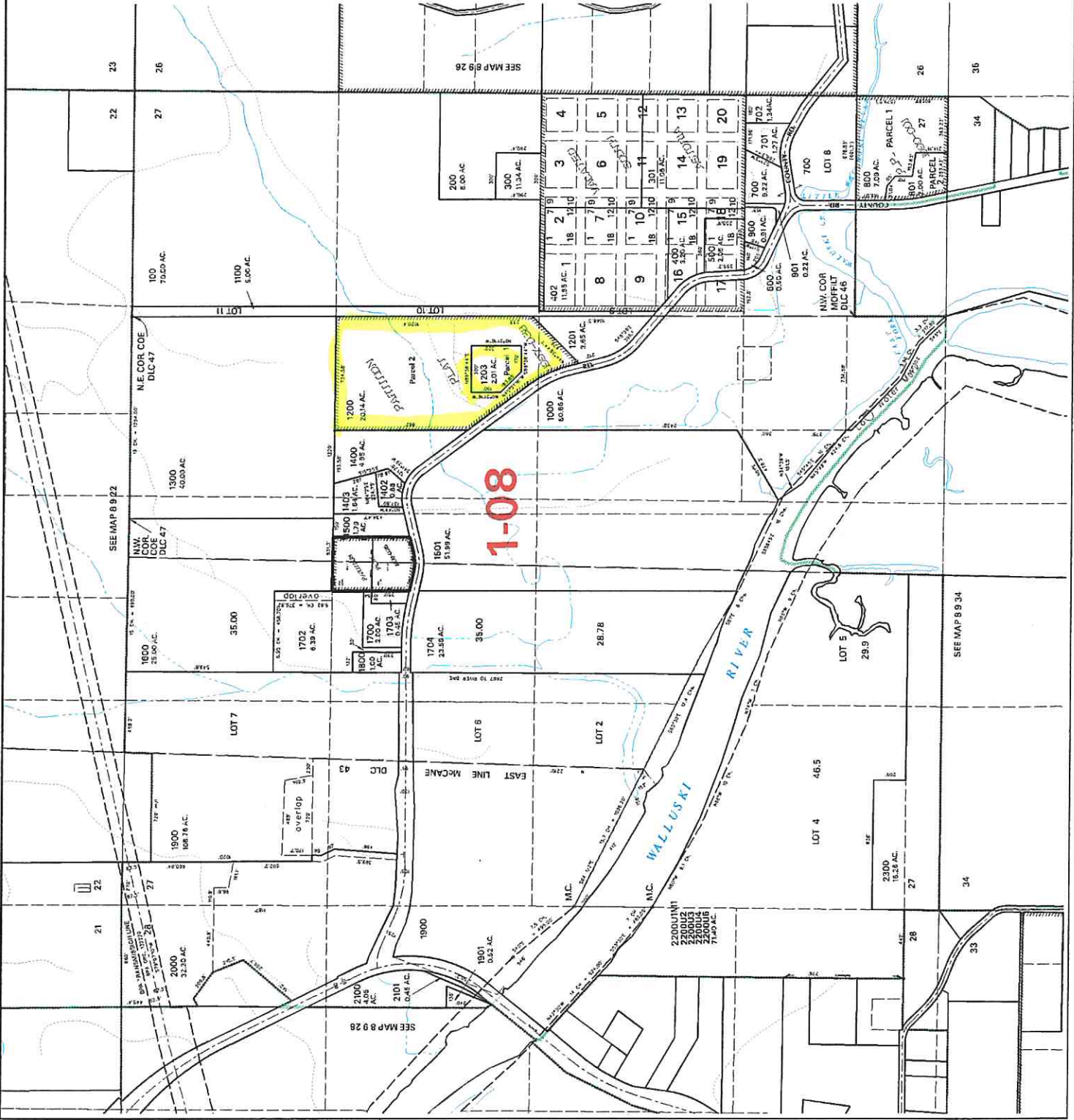
DEPT. OF ENVIRONMENT & CLATSOP COUNTY  
PLANNING  
AUG 26 2005  
NORTH COAST DRAINAGE DISTRICT  
WARRENTON



July 14, 2005  
8.9.27



Not to be used for any other purpose without the written consent of the Clatsop County Planning Department. The County Planning Department is not responsible for the accuracy of the information shown on this map.



|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |