

"LICENSE TO OPERATE"
An On-Site Sewage Facility

2006-294 34J Endeavors Aerobic (Norweco)
Permit Number Owner's Name Type Of System

Property Location: 137 Pioneer Passage

Installer: Doug Springer License #: 7707

Maintenance Holder: Doug Springer License #: 7707

A final inspection for the on-site sewage facility being installed on your property has been completed. It is our determination that the system has been installed in basic compliance with the rules set forth under Title 30 TAC Chapter 285, On-Site Sewage Facilities and the Bastrop County Rules and Regulations for On-Site Sewage Facilities.

Aerobic Wastewater Treatment Units Requiring An On-Going Maintenance Contract

Required? YES ✓ NO _____

(To be completed if applicable)

Maintenance Contract

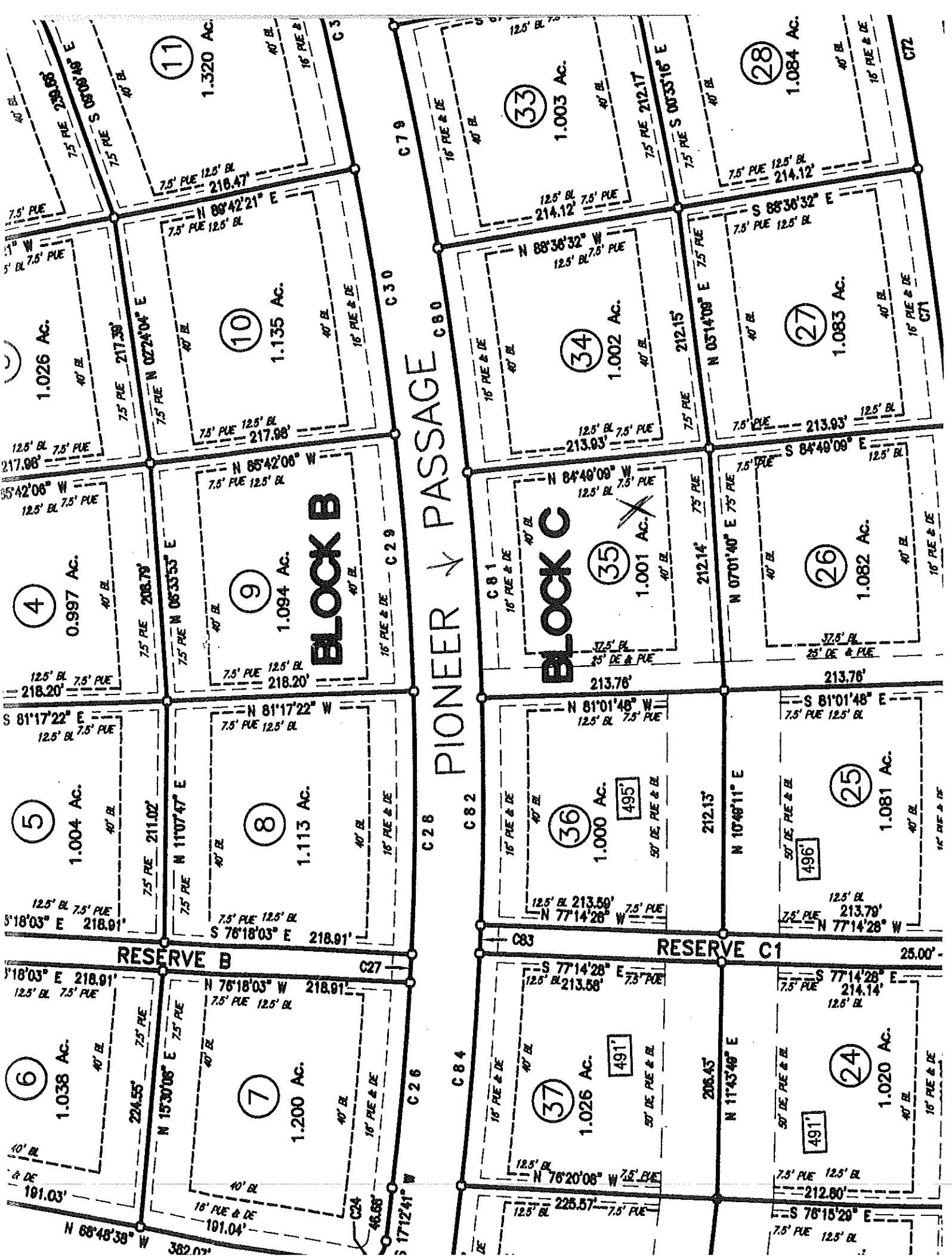
Beginning Date: 2/28/06 Expiration Date: 2/28/08

If you or your Maintenance Contract Holder should disagree with these dates, please contact our office. Also, please be reminded that thirty-days (30) prior to the contract expiration you must submit another contract that must be effective for at least one (1) year.

Jessie W. Crossley 8697 3/9/06
Designated Representative Signature License # Date

OFFICE COPY - PINK

OWNER'S COPY - WHITE



**DAVID PICKENS
REGISTERED SANITARIAN
SEPTIC SYSTEM DESIGNS
10202 N. DOWLING
COLLEGE STATION, TEXAS 77845
(979) 693-8334**

January 23, 2006

NAME: S & J Endeavors

ADDRESS: 137 Pioneer Passage, Bastrop, TX.

COUNTY: Bastrop ACREAGE: 1.0

SUBDIVISION / SURVEY: The Colony, Lot 35, Blk. C, Sec. 6A / Jose Manuel Banes Survey, A-5

Bedroom size: 3 or: GPD est. water usage: 300 / Effluent Load Rate: .064 = 4,687 Sq. ft. of surface irrigation required. Any water usage above 300 GPD will invalidate this design.

ACTUAL SQ. FT. OF APPLICATION AREA DESIGNED: 4,945 Sq. ft

New Construction (☒) Remodel (☐) Water Saving Devices Installed: Yes (☒) No (☐)

Installer: Doug Springer
1488 S. US Hwy 77
Rockdale, TX. 76567

DESIGN PARAMETERS:

Pre-treatment tank required:	400 gal incorporated
Aeration Tank:	Norweco 960 - 500
Pump Tank:	960 gal pump tank incorporated
Pump:	1/2 hp (40 psi at spray head)
Sprinklers:	3 X Low angle spray head
Chlorinator	Tablet type- in line or within pump tank

Site Evaluation Conducted At Site: Yes (☒) No (☐)

Soil Evaluation Conducted At Site: Yes (☒) No (☐) Soil Type: Class IV

Area is suitable for Aerobic Spray-Irrigation system: Yes (☒) No (☐)

WATER SUPPLY: Public: (☒) Private: (☐)

All distance requirements set forth by current regulations are met,
with the exception of those noted below: *sprayfields 10' from property lines - timer required -
single discharge 3:00 am*



January 23, 2006
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LANDSCAPING

Immediately after completion of installation, homeowner must seed the spray-field with grass and mow as necessary to maintain optimum growing conditions. **UNDER NO CIRCUMSTANCES MAY ANY FOOD CROPS BE PLANTED ON THIS AREA.**

NOTES:

The 960 gallon pump tank will be set to give a daily flow reserve of 100 gallons or more, which will meet or exceed the requirement of a full day flow. Minimum dose of 300 gallons

This drawing reflects relative distances.

Piping from the house to the first tank shall be an approved type.

A 2-way, 4" clean out will be installed between the trash tank and the structure served, at every stub-out.

All effluent from these units will be disposed of through aerobic treatment and spray dispersal.

The chlorinator may be located in line between the treatment tank and the pump tank or within the pump tank.

All spray fields will be at least 10 feet from all property lines and outside of all easements.

A commercial irrigation timer will be required according to State/County requirements.

System must be sampled and tested in accordance with State/County requirements through a sampling port located in the discharge line from the pump to the spray field, which shall be contained within the pump tank.

System is designed in accordance with daily water usage described above. Any usage above design will invalidate design.

The effluent pump shall be hardwired on a separate circuit from the high water level alarm and all wiring shall be in accordance with National Electric Code, 30 Texas Administrative Code 285.14 (b)(4).

The high water alarm shall be an audible and a visible alarm.

All pre-cast concrete tanks will meet ASTM C1227-93a, d30 Texas Administrative Code 5.32(a)(1)(F).



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The location for all sprinkler heads may be subject to location modification within reason and so long as they do not violate distance requirements for easements, setbacks or total required spray area covered. Location change will only be considered if more efficient spray dispersal would be achieved due to change. Any changes must be submitted to and approved by the Texas Commission on Environmental Quality or the local Designated Representative before they are performed.

Thank You,



**David Pickens R. S. #2390
10202 N. Dowling Rd
College Station, Texas 77845
(979) 693-8334**



January 23, 2006

S & J Endeavors
137 Pioneer Passage
Bastrop Co.

Design Parameters:

A 4 bedroom residence of $< 3,500$ sf, with water saving fixtures, on a 1.0 acre tract,
 $Q = 300$ GPD, $R_i = 0.064$

$A = Q / R_i = 300 \text{ GPD} / 0.064 = 4,687$ sf required

$A = 1.75(30' \times 30' \times 3.14) = 4,945$ sf designed ✓

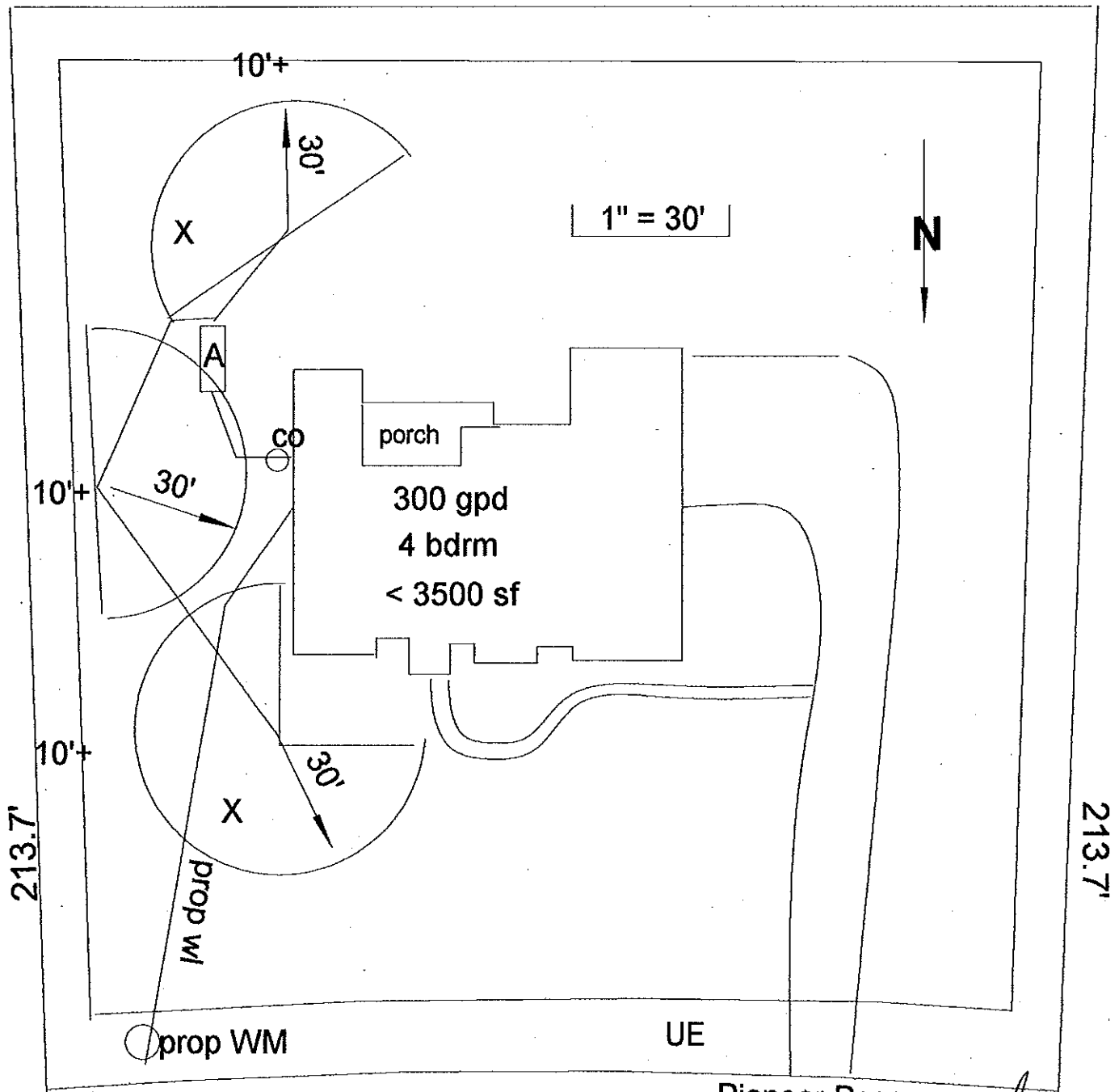
$4,945 \text{ sf} \times .064 = 316$ GPD

David P. Pickens
1-23-06



PICKENS ENVIRONMENTAL

212.1'



S & J Endeavors

137 Pioneer Passage

Bastrop Co.

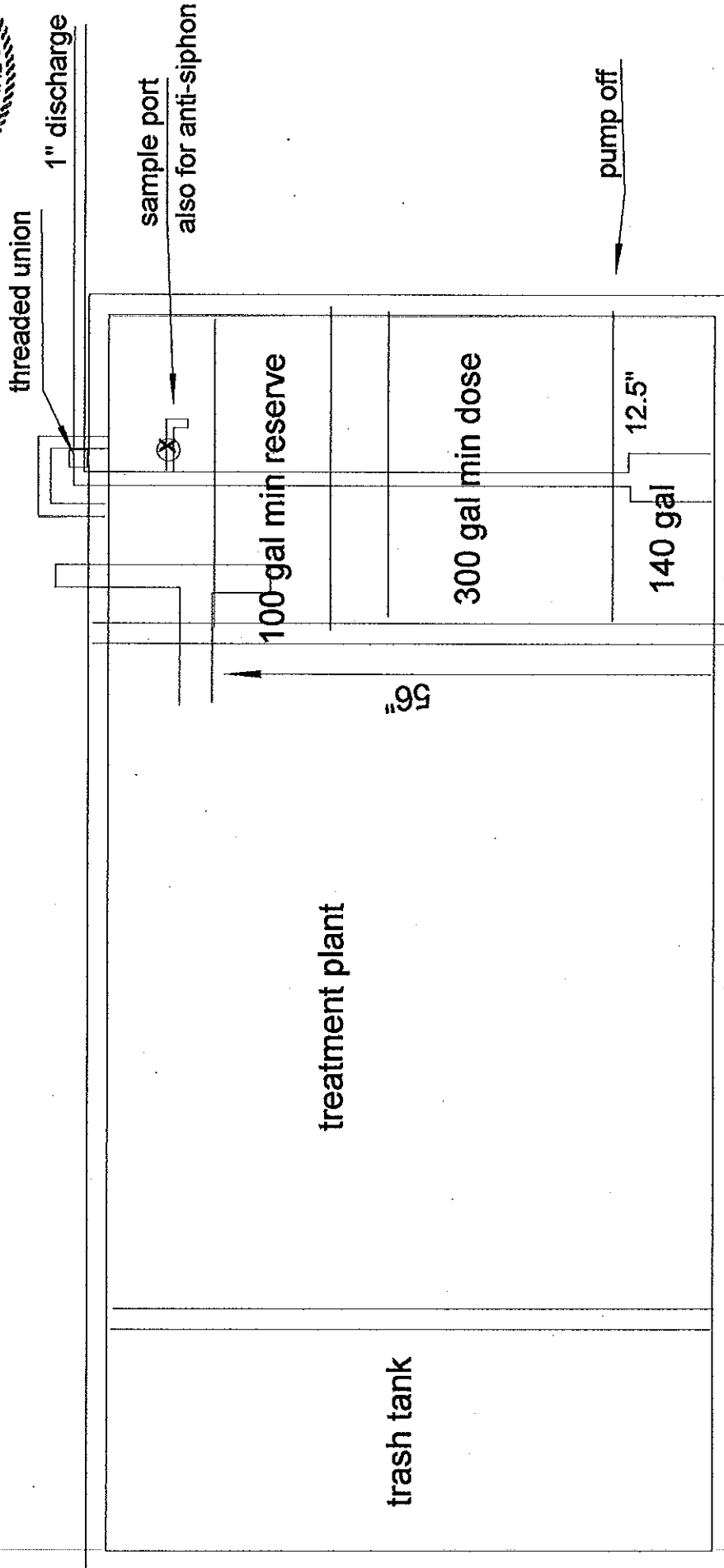
A = Norweco 960-500

X = bore hole





1-23-06
DLP
ms



Norweco 960 - 500