

2177-5332

EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT
INDIVIDUAL SEWAGE DISPOSAL SYSTEM INSPECTION FORM

Permit # 12062

Date 1-13-99

APPROVED: YES

NO # 5324 000001

ENVIRONMENTALIST Larry Schmal

Address 5450 N Meridian Rd

Owner Falcon Christian Church

Legal Description NW4 NE4 Sec 24-13S-R6SW

Residence , # of bedrooms ; Commercial ; System Installer RWR Ditching

SEPTIC TANK:

Commercial ; Noncommercial , L , W , WD
Construction Material existing concrete plus , capacity 500 gallons.

DISPOSAL FIELD: Existing AK Black Plastic

Rock Systems:

Trench: depth , width , total length , sq. feet

Bed: depth , length , width , sq. feet

Rock type , depth , under PVC , over PVC

Seepage Pits: # of pits , total # of rings , working depth(s)
size of pit(s) L X W , lining material , total sq. feet

Rockless Systems:

Chamber: Type , number of chambers , bed , trench

sq. ft./section , reduction allowed % , sq. ft. required

total sq. ft. installed , depth of installation

Engineer Design (Y) or N , Designing Engineer John Ward

Approval letter provided? (Y) or N

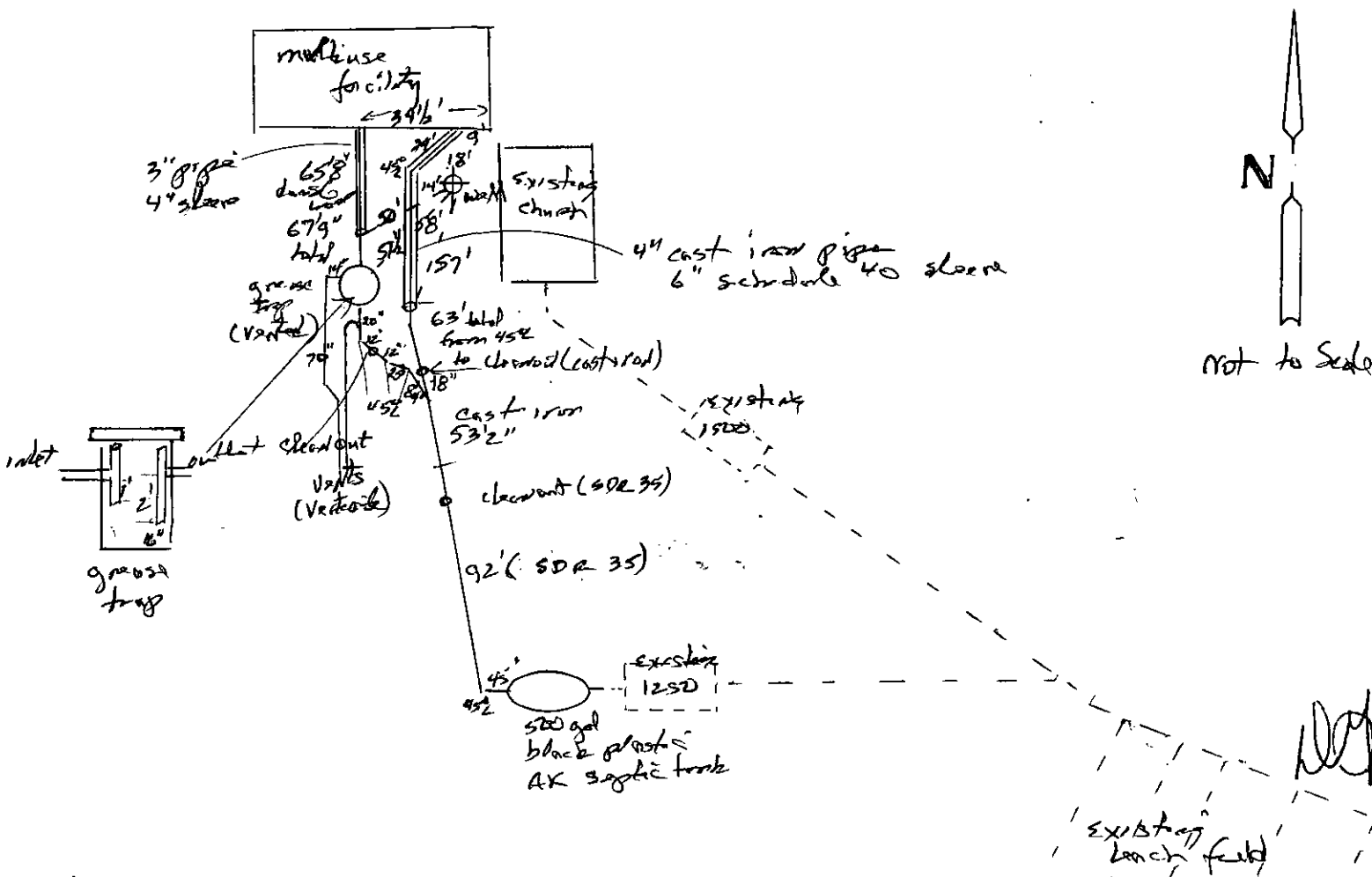
Well 50 feet from tank Y or (N) 100 feet from leach field Y or (N)

Well installed at time of septic system inspection (Y) or N Public Water

*Approval will be revoked if in the future the well is found to be within 50 feet of the septic tank and/or 100 feet of the disposal field.

NOTES: Pipes Schedule 40 / cast iron / SDR 35

Engineer letter provided dated 1/14/99.



JOHN E. WENDT P. E
7410 TUDOR ROAD
COLORADO SPRINGS, CO. 80919

January 14, 1999

EL PASO COUNTY HEALTH DEPARTMENT
301 SOUTH UNION BLVD.
COLORADO SPRINGS, CO. 80910

ATTN: ENVIRONMENTAL HEALTH

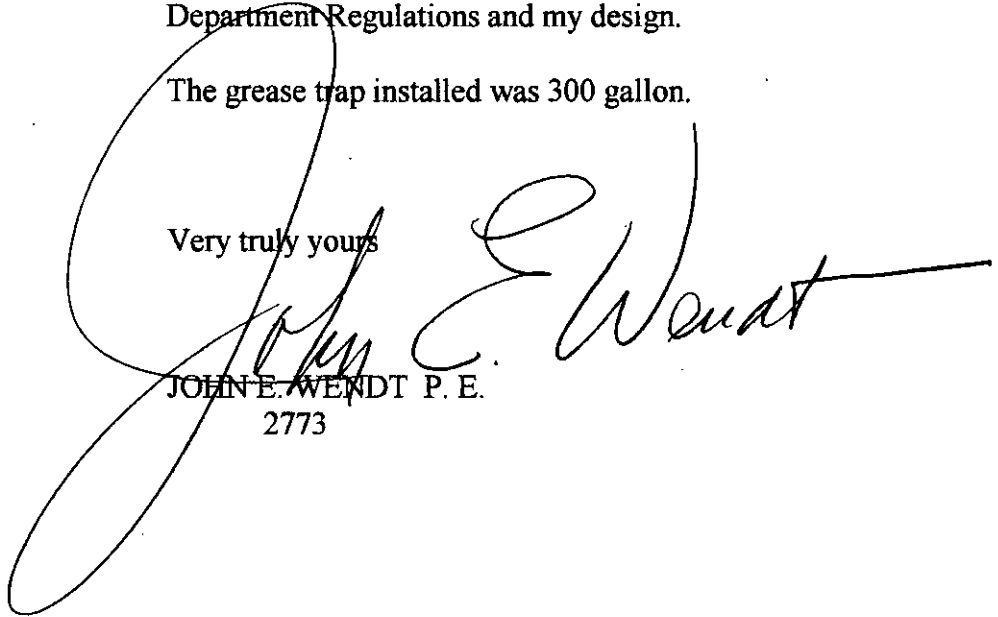
TO WHOM IT MAY CONCERN

Reference: Design/System for Falcon Christian Church Fellowship Hall at 5450 Meridian Road,
Falcon Co. 80831.

The referenced Septic System has been installed per El Paso County Environmental Health
Department Regulations and my design.

The grease trap installed was 300 gallon.

Very truly yours



JOHN E. WENDT P. E.
2773

RECEIVED

JAN 19 1999

**EPCHD
AIR QUALITY CONTROL**

Acres 5**EL PASO COUNTY • DEPARTMENT OF HEALTH AND ENVIRONMENT**

301 South Union Blvd. • Colorado Springs, Colorado • 578-3125

Water Supply WELLPermit 12062**PERMIT****TO CONSTRUCT, ALTER, REPAIR OR MODIFY ANY INDIVIDUAL SEWAGE DISPOSAL SYSTEM**Receipt No. NONEIssued to FALCON CHRISTIAN CHURCHDate 1-29-98Address of Property 5450 MERIDIAN ROAD, NW4, NE4, SEC: 24-135-R65WPhone 596-3801

(Permit valid at this address only)

Sewage-Disposal System work to be performed by OWNERR & R Ditching (Burb)Phone 535-9999
330-6136

This Permit is issued in accordance with 25-10-106 Colorado Revised Statutes 1973, as amended. PERMIT EXPIRES upon completion of sewage-disposal system or at the end of twelve (12) months from date of issue-whichever occurs first-(unless work is in progress). This permit is revokable if all stated requirements are not met.

-THIS PERMIT DOES NOT DENOTE APPROVAL OF ZONING AND ACREAGE REQUIREMENTS-

PERMIT FEE (NOT REFUNDABLE)

1-30-99No fee535-9998Steven J. Englander, MD

DIRECTOR, DEPARTMENT OF HEALTH AND ENVIRONMENT

J. J. Schaefer525-8638

ENVIRONMENTALIST

DATE OF EXPIRATION

NOTE: LEAVE ENTIRE SEWAGE-DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION. 48 HOUR ADVANCE NOTICE REQUIRED.

SEPTIC TANK PE REQUIRED	TRENCH SYSTEM: P.E. DESIGN	BED SYSTEM:	SEEPAGE PIT SYSTEM:
<u>+ EXISTING</u>	total square feet _____	total square feet _____	total square feet _____
_____ ft. of trench _____ inches wide	_____ ft. of trench _____ inches wide	_____ rings or _____ diam.x _____ w/d	
_____ gallons			

NOTES: Construct addition per John Wendt, Professional engineer, design dated January 27, 1998. Consider water line from old parsonage and well as to need for double walling in compliance with ISDS Regulations, 11 October 96, page 24, notes (2) and (4). Engineer approval letter prior to covering system is required in addition to Health Dept. approval.

The Health Office shall assume no responsibility in case of failure or inadequacy of a sewage-disposal system, beyond consulting in good faith with the property owner or representative. Free access to the property shall be authorized at reasonable time for the purpose of making such inspections as are necessary to determine compliance with requirements of this law.

5450 Meridian Rd #5324000001 1-13-99

EL PASO COUNTY ENVIRONMENTAL HEALTH SERVICES
301 South Union Boulevard Colorado Springs, CO 80910-3123

APPLICATION FOR A NEW, REMODEL, REPAIR, OR ADDITION
TO AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

above
Pastor's home #

Owner Falcon Christian Church Phone 596-3801 (683-2704)
Address of Property 5450 Meridian Rd. Lot Size 5 acres Water Supply Well
Tax Sch # 532-40-00-001 Septic Contractor & Phone # Self
Legal Description NW 1/4 of NE 1/4, Sec 24 TN 13 S, Range 65W of 6 PM
Type of Building Commercial / Church Owner's Mailing Address 5450 Meridian, Peyton, CO 80831

MAXIMUM POTENTIAL BEDROOMS Addition to Church (separate building)

Basement Y ☒ Percolation Test Attached Y ☒ Garbage Disposal Y ☒ Clothes Washer Y ☒

I have supplied a plot plan as described on the back of this form. I acknowledge the completeness of the application is conditional upon such further mandatory and additional tests and reports as may be required by the Department to be made and furnished by a applicant for purposes of evaluating the application, and issuance of the permit is subject to such terms and conditions as deemed necessary to ensure compliance with rules and regulations adopted pursuant to C.R.S. 10-25-101 et. seq. I hereby certify all represented to be true and correct to the best of my knowledge and belief, and are designed to be relied on by the El Paso County Department of Health and Environment in evaluating the same for purposes of issuing the permit applied for herein. I further understand any falsification or misrepresentation may result in the denial of the application or revocation of any permit granted based upon said application and in legal action for perjury as provided by law.

OWNER'S SIGNATURE David A. Sleeper, Pastor Date Jan 29, 1998

DEPARTMENT OF HEALTH USE ONLY

P.E. Design Existing + P.E. required 1/29/98
Absorption Area Tank Capacity Date of Site Inspection

REMARKS: Construct addition per John Wordt, professional engineer,
design dated Jan 27, 1998. Consider water line from old sewerage
and well as to need for double walling in compliance with
ESD's Regulation, 11 Oct 96, page 24 notes (2) & (4). Engineer approval
letter prior to covering system required in addition to
Health Department approval

EHS INSPECTOR Jerry Schaal Date 1/29/98 ☒ APPROVED ☐ DENIED

PERMIT # 12062 FEE ☒ NO FEE ☐ DATE TO EPC PLANNING DEPT Mon

mail permit 1-30-98 sm

We require the ORIGINAL of your percolation (PERC) TEST.

The following information must be on your PLOT PLAN.

Property lines
Proposed septic system site
Well(s)
Building(s)
Water line
Subsoil drain(s)

Property dimensions
Designated alternate septic system site
Adjacent property well(s)
Proposed building(s)
Cistern

If any of these are within 100 feet of your proposed septic system
include on your plot plan

Spring(s)
Pond(s)
Dry Gulch(s)

Lake(s)
Stream(s)
Natural drainage course(s)

PROPERTY AND PERC HOLES MUST BE CLEARLY MARKED OR POSTED

GIVE COMPLETE DIRECTIONS TO THE PROPERTY FROM A MAIN HIGHWAY

John E. Wendt P.E.
7410 Tudor Road
Colorado Springs, CO 80919
719-598-7121

January 27, 1998

Individual Sewage Disposal System (ISDS) for a new Fellowship Hall in conjunction with the Falcon Christian Church, 5450 Meridian Road, Falcon Co. 80831.

HISTORY

Presently there exists a Church Facility at the location. The Church facility is using a wastewater disposal system consisting of:

1,500 Gallon Septic Tank

620 Square Feet of 4" Soil and Drain pipe leach field

On the Church property (in addition to this system) there also exists:

1,250 Gallon Septic Tank (not in line with the 1,500 tank)

380 Square Feet of 4" Soil and Drain pipe leach field; both of which are connected to a common leach field system.

This system was use to accommodate a modular home which is now gone.

PROPOSED/WATER USING ADDITION

A Fellowship Hall, approximately 70' x 100' (7,000 SF) shall be erected adjacent to the Church; within 20' to 30' to accommodate:

Parishioner Dinner: Once per Month—(Average)

Coffee/Snacks-----After church service gathering--- 4 Times/Month (Ave.)*

- This activity will use disposable styrofoam cups etc. (No water clean-up)

Possible: 4H Club meetings (Once per month)

Scouting meetings (Once per month)

Recreational Activities such as Basketball/Volleyball (2 times per week)

Fellowship Hall shall have:

Women's Bathroom: (3 toilets + 2 lavatories)

Men's Bathroom (1 toilet + 2 urinals + 2 lavatories)

Nursery Bathroom (1 toilet + 1 lavatory)

Kitchen (2 Double sinks [4] or 1-3 compartment sink

One or 2 small ranges to be used for light cooking when parishioner dinners are held.

Possibly one household type dishwasher and kitchen support items such as refrigerator cupboards, etc.

WASTEWATER CALCUALTION

Parishioner dinner – 6 Gal/attendee – times 100 = 600 Gallons/use	
Divide by 30 (day/month)	20 GPD
Water Use—16 fixture units (described above) @ 52.5 gallons/unit/week:	
840 Gallons	
Divide by 7 (days)	120 GPD
Misc. and unrecognized water use	Add
	<u>200 GPD</u>
TOTAL	340 GPD

THEREFORE: Design shall be based upon:

$$340 \times 1.5 =$$

510 GPD

(No clothes washer—now garbage grinder)

SEPTIC TANK

The existing 1,500 Gallon septic tank is sufficient for the church building.

The existing 1,250 Gallon septic tank shall be augmented with a 500 Gallon septic tank for the Fellowship Hall functions. This tank shall be in series with the existing 1,250 tank.

NOTE: A 500 gallon tank may be available through various sources such as Winwater Works Co. and many others.

GREASE TRAP

The kitchen sink arrangement shall have one sink dedicated for removing greasy wastes. It shall have a separate line running into a dedicated grease trap (see attachment concerning grease trap) then into the 500 Gallon/1,250 Gallon septic system.

LEACH FIELD

NOTE: Previous percolation tests have been conducted to determine existing leach field sizing and will still apply for this design.

Leach field sizing for the Fellowship Hall shall be approximately 300 SF.(based upon anticipated activity use expected).

THEREFORE: The existing leach field (1,000 SF total) shall be adequate to accommodate the Church and proposed Fellowship Hall use.

The above sizing is based upon the "Proposed Water Using Addition" calculation. Use of Hall will provide for frequent "rest periods" between activities. Should congregation and Fellowship Hall activities increase, a new study should be made regarding leach field size.

DEVELOPMENT OF LEACH FIELD SYSTEM LINES

The Fellowship Hall will be erected to the NNW of the existing Church.

Lines from the new tank/grease trap system will go around the existing well to tie into the existing 1,250 Gallon tank; thus into the existing leach field.

Per El Paso County Health regulations, this line(s) shall be 50 FT. from the well.

Line may be closer than the 50 FT. if a Schedule 40 (or equal) line, to completely encase the 4" solid wastewater line, is provided. The encasement line shall have rigid end caps (schedule 40) glued or secured in a watertight manner to the ends of the encasement pipe ends. A 4" hole shall be drilled at the bottom of the pipe so as to allow the 4" wastewater pipe to rest on the

bottom. Sealant shall be applied after inserting pipe to assure no leakage. Encasement pipe shall start at a point 50' above the well and extend to 50' below the well. Extreme care shall be taken to assure that all pipe joints are well sealed with a sealant compatible with piping used.

INSTRUCTIONS FOR ISDS USE

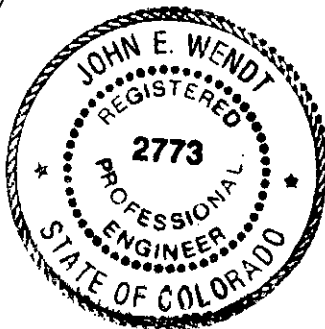
One must be aware of and assume responsibility for a continued inspection of the entire septic system. Septic tanks and grease traps must be inspected and if necessary pumped on a regular basis depending on facility wastewater impact. Non-biodegradable products such as coffee grounds, cigarette butts, feminine personal care products, diapers, plastic products of all kinds shall not be run into system.

Water must be continuously monitored to assure that toilets and sinks are not allowed to run due to inattention or due to faulty seals.

This design is no way written guarantee the system will give indefinite trouble free service. Even with proper installation and maintenance, there remain many uncertainties and difficulties that can still arise in the operation of the system in the future. Proper maintenance can assist in minimizing uncertainties, but cannot entirely eliminate them.

RESPECTFULLY SUBMITTED

JOHN E. WENDT P. E.
2773

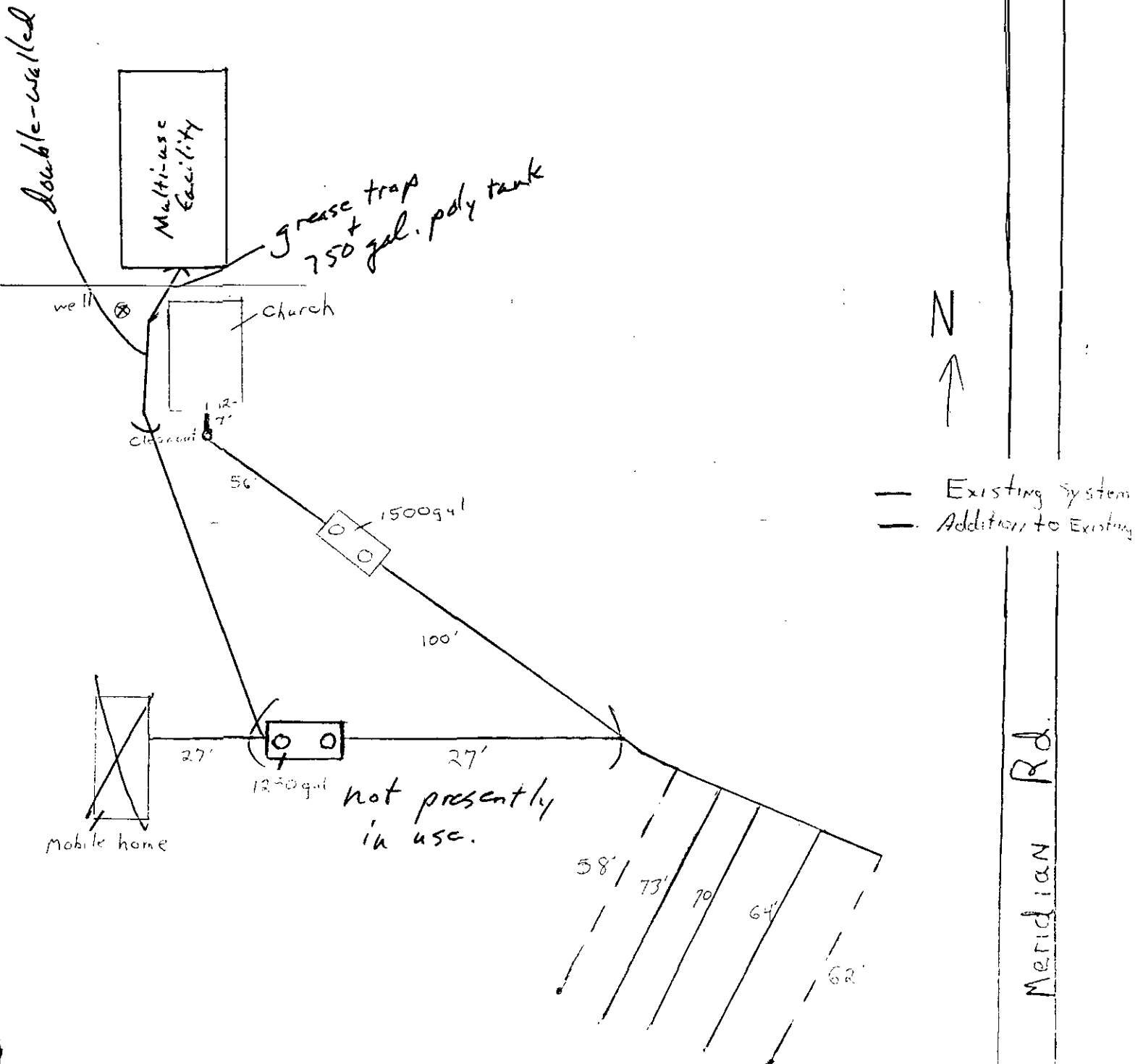


Garrett

5450 Meridian

Note:
Not to scale.

P.E. proposal



GARRETT ROAD

S 69° 32' 25" W 346.88'

13 18
24 19

316.88'

30'

APPROVED

PLANNED COUNTY LAND USE DEPT.

DATE 20th DAY OF April 1989

3 Anderson, zoned A-4
Parsonage Only (mobile)

A MAP OF A PORTION OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 24, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF 6TH P.M. AS DESCRIBED IN BOOK 338 AT PAGE 536 OF THE RECORDS OF EL PASO COUNTY, COLORADO.

1. Proposed Single Dwelling House

2. ↑
N

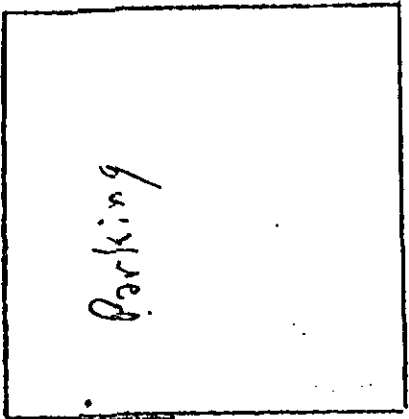
3. 5 Acre

4. Tax Schedule
532 40-00-001

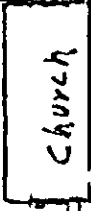
Scale 1" to 68'

S 0° 02' 02" E
688.01'

688.01' MERIDIAN ROAD

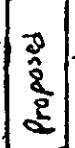


water well



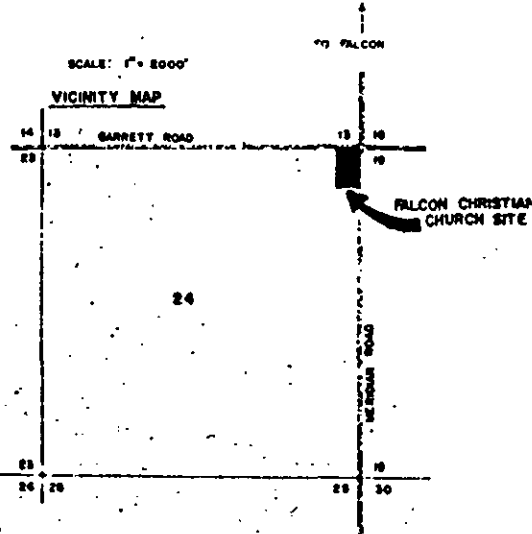
Sooty Tank

Proposed



Drain

N 89° 32' 25" E
346.48'



COLORADO DEPARTMENT OF HEALTH
CONSUMER PROTECTION DIVISION

ACTIVITY REPORT

Code 5.2
County El Paso

FILE REFERENCE: Non-approved septic installation

INDIVIDUAL OR
ESTABLISHMENT: Falcon Christian Church

ADDRESS: 5450 Meridian Road

NARRATIVE: System inspected & dis-approved 1/5/98:

- well at corner (NW of church) & SE of Fellowship hall - within 18' of building sewer coming from Fellowship hall, 14 1/2' of combined building sewer - pipes must be double walled -
- grease trap 23' from well - double wall? or have 750' from well
- No clean outs for 200' from just after grease trap - need clean out every 50'
- Building sewer 8' from hydrant at site of previous home.

See my permit & engineer design regarding setting of lines within 50' of well and need for double walling.

LETTER TO FOLLOW: () OTHER RECOMMENDATIONS: _____

DATE: 1/5/98, 1998. REPRESENTATIVE: Larry Schaad