


12/18/2007

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

*Barcode Font = IDAutomationHC39M*

## SUMMARY

This site is **UNSUITABLE** for a ground absorption wastewater treatment and disposal system under current laws and rules 15A NCAC 18A .1900. **No ground absorption wastewater (septic tank) system can be permitted on this site.**

| | |
|---|---|
| Conventional systems | NO |
| Shallow conventional systems | NO |
| Large Diameter Pipe systems | NO |
| Prefabricated Porous Block Panel systems | NO |
| Low Pressure Pipe Systems | NO |
| Fill Systems | NO |
| Aerobic Treatment Systems | NO |

This report gives a brief summary of the findings, conclusions, and recommendations.

If you have any questions or I can be of assistance contact me at the Mooresville Regional Office (704) 663-1699.

## INTRODUCTION

**COUNTY:** Mecklenburg

**OWNER/APPLICANT:** John Benjamin / Michael Saye

**LOCATION:** 6524 Street Acres Road

**TYPE OF FACILITY:** Residence

**DESIGN UNIT:** 480 gpd

**PROPOSED WATER SUPPLY:** On-site well

**EVALUATED BY:** Joe Lynn assisted by Bill Marlin using hand augers

**DATE OF EVALUATION:**

**OTHER(S) PRESENT:** N/A

## SITE INFORMATION

**AREA/PRESENT USE:** 1 acre / grass, pasture

**TOPOGRAPHY:** 2 to 6 percent

**LANDSCAPE POSITION:** Ridge / linear and nose slopes

**SITE LIMITATIONS:** N/A

## SOIL INFORMATION

**SOIL TEXTURE:** (surface) Silt loam / silty clay loam / silty clay
(subsoil) Clay

**SOIL STRUCTURE:** (subsoil) Blocky

**CLAY MINERALOGY:** Expansive

**SOIL DEPTH:** 11 to 23 inches to saprolite, rock, or parent material
0 to 23 inches to unsuitable soil condition

**SAPROLITE:** 11 to 23 inches to unsuitable saprolite

**SOIL WETNESS:** N/A

**RESTRICTIVE HORIZONS:** None

**AREA of S or PS SOIL:** None found

## CONCLUSIONS

This site is unsuitable for the installation of a conventional ground absorption wastewater system due to:

1. Unsuitable Soil Characteristics — Section .1941
   Expansive clay mineralogy
2. Insufficient Soil Depth — Section .1943
   Soil depths of less than 36 inches
3. Insufficient Available Space — Section .1945
   Not enough area for an initial sewage system and a repair if needed.

The site is Unsuitable under Rule .1956 Modifications to Septic Tank Systems. Neither shallow trenches, large diameter pipe, nor porous block panel systems are options for this site. The saprolite is unsuitable by this rule (>20% clay and mafic rock). Drainage will not be helpful in reclassify the site to Provisionally Suitable.

The site is Unsuitable under Rule .1957 Alternative Sewage Systems. Neither a low pressure pipe system, fill system, nor an aerobic treatment unit are options for this site.

## RECOMMENDATIONS

The owner has the following options that might allow the use of this property as desired:

1. The applicant may purchase other Suitable or Provisionally Suitable property to place the ground absorption sewage system on.

2. The applicant may obtain an easement on a Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
3. The Division of Environmental Management in Mooresville, N. C. at (704) 663-1699 may be contacted to pursue options available through that office.
4. A sewage system can be pursued under Rule 1948 (d). Written documentation must be submitted to your office showing that the proposed sewage system can be expected to function properly. The data must contain the following:
   A. The effluent must be non-pathogenic, non-infectious, non-toxic, and non-hazardous.
   B. The ground water and the surface water must not be contaminated by the effluent.
   C. The effluent must not be exposed to the ground surface or discharged to surface waters where it could come into contact with people, animals, or vectors.

# Mecklenburg County

## Health Department

**Betty S. Snow, R.N., M.A.**
Health Director

June 26, 1992

Mr. John R. Benjamin
6923 Longview Drive
Charlotte, NC 28214

RE: Property located at 6524 Street Acres Road
FILE: 332B/8224A
PARCEL: 029-241-11

Dear Mr. Benjamin:

At your request a soils investigation was conducted on the property designated above. Results of this investigation showed the site to be classified as **UNSUITABLE** under criteria as set forth in 15A NCA 18A .1900 of Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, August 1, 1991. Evaluation Report (Serial Number 12689) is enclosed.

The soil on this property is not suitable for use with any conventional, modified or alternative system of which I am aware. If you wish to exercise your right of appeal concerning the interpretation and enforcement of these rules you may do so in accordance with G.S. 150B-23.

If there are any questions, please contact Bill Marlin at 336-5574.

Sincerely,

Kelly Randall FOR GENE VAUGHAN

Gene Vaughan, R.S., Supervisor
Individual Water and Wastewater Systems

GV:lw
Enclosure

**MECKLENBURG COUNTY ENVIRONMENTAL HEALTH**
**SITE EVALUATION REPORT**
**SERIAL NUMBER** 12689

File: 3328/8224A Action 3

Parcel: PO 029-241-11 ☐ PC

Location: 6524 Street Acres Road

Subdivision:

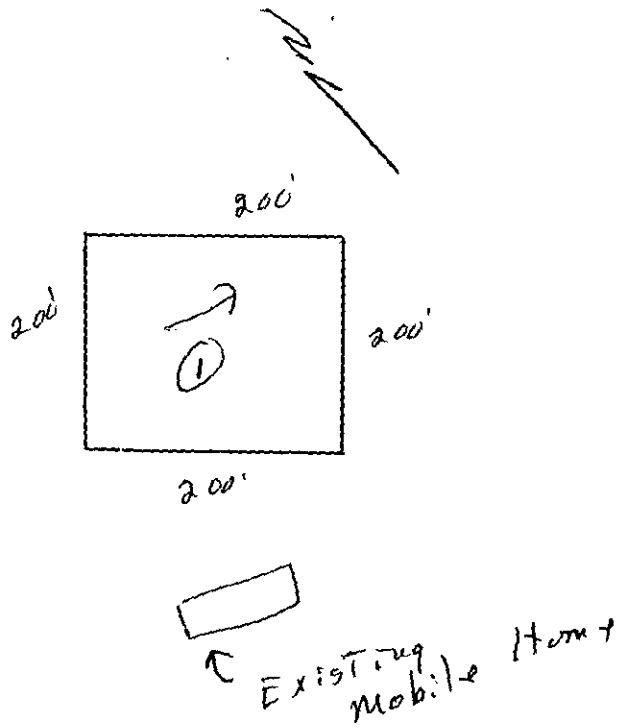
Lot: Block: Acres: 1.0

Owner: John R. Benjamin
Address: 6923 Longview Dr.
Charlotte, N.C.

Comments:

Described by: William R. Martin

Date: 6-26-92




*** EVALUATION KEY ***
S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

| FACTORS | AREA 1 | AREA 2 | AREA 3 | AREA 4 | AREA 5 | AREA 6 |
|---|---|---|---|---|---|---|
| Topography | (S) PS U 2-6% | S PS U | S PS U | S PS U | S PS U | S PS U |
| Texture | S PS (U) Expansive clay | S PS U | S PS U | S PS U | S PS U | S PS U |
| Structure | S (PS) U Sub + Block | S PS U | S PS U | S PS U | S PS U | S PS U |
| Drainage | S PS (U) some perch clusters 18" | S PS U | S PS U | S PS U | S PS U | S PS U |
| Depth | S PS (U) 18-32" | S PS U | S PS U | S PS U | S PS U | S PS U |
| Restrictive Horizons | S (PS) U 72" | S PS U | S PS U | S PS U | S PS U | S PS U |
| Available Space | S (PS) U | S PS U | S PS U | S PS U | S PS U | S PS U |
| Other (specify) | S PS U | S PS U | S PS U | S PS U | S PS U | S PS U |
| Soil Group/Series | Iredell-Like | | | | | |
| Area Classification | S PS (U) | S PS U | S PS U | S PS U | S PS U | S PS U |

# PROPOSED PLOT PLAN

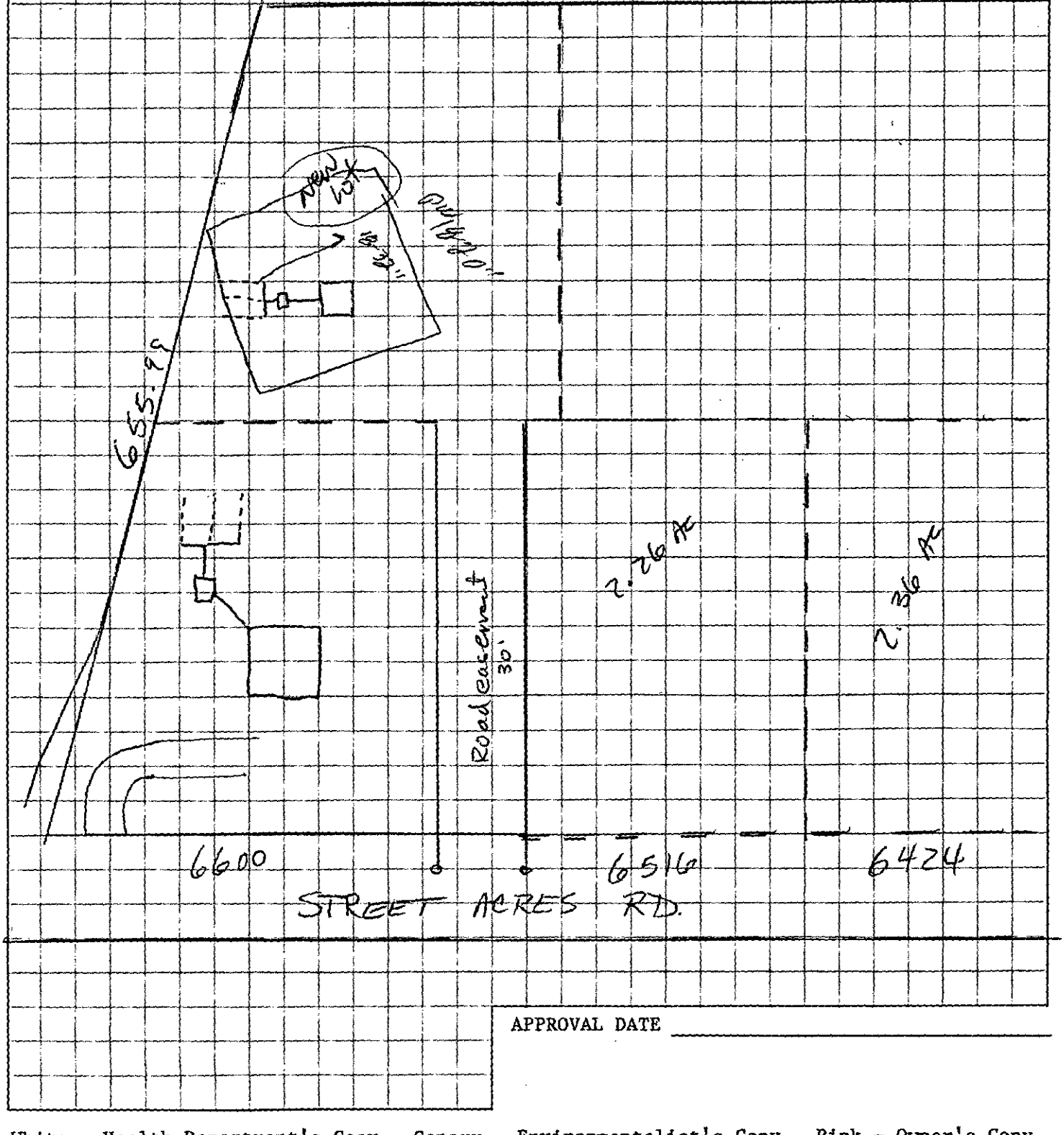
CDSQ 06/10/92

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 342B | 824A

TC: _____

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.




APPROVAL DATE _____

White - Health Department's Copy  Canary - Environmentalist's Copy  Pink - Owner's Copy

# SOIL AND SITE REPORT FOR A GROUND ABSORPTION WASTEWATER SYSTEM

by

JOE LYNN, REGIONAL SOIL SPECIALIST
ON-SITE WASTEWATER SECTION
DIVISION OF ENVIRONMENTAL HEALTH

Submitted to:

WILLIAM MARLIN, SOIL SCIENTIST
MECKLENBURG COUNTY HEALTH DEPARTMENT

NOVEMBER 18, 1993

Joe Lynn
Regional Soil Specialist

LTHOP

Case 08/10/92 $50.00

332

3428 | 3224A

# INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
## APPLICATION FOR SERVICES

[] CRT

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
Charlotte, NC 28202

(704)336-5102

Date:

PERSON FILING APPLICATION:

NAME: Saye (last) Michael (first) E. (mi)

ADDRESS: 6524 STREET ACRES Rd PHONE: (704) 896-7835

CITY: Huntersville STATE: NC ZIPCODE: 28078

PROPERTY OWNER:

NAME: Benjamin (last) John (first) R. (mi)

ADDRESS: 6923 Longview Dr. PHONE: (704) 399-6391

CITY: Charlotte STATE: NC ZIPCODE:

PROPERTY INFORMATION (FROM ENGINEERING FORM):

TAX/PARCEL NUMBER: 029 241 11P0

STREET ADDRESS: 6524 Street Acres Rd

ZONING:

Township (check one):
[X] 0 Mecklenburg County [] 2 Davidson [] 4 Pineville [X] 6 Huntersville
[] 1 Charlotte [] 3 Cornelius [] 5 Matthews [] 7 Mint Hill

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: LOT SIZE (in acres): Acre

TYPE APPLICATION (check one):

[X] SOIL TEST - INDIVIDUAL LOT (D)
[] NEW CONSTRUCTION ON VACANT LOT - 4 BEDROOMS OR LESS (N)
[] EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
[] ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A or M)
[] COMMERCIAL OR INDUSTRIAL (N)
[] SOIL TEST DEVELOPMENT (P)
[] ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X)
[] MODIFIED /ALTERNATIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
[] REPAIR TO SYSTEM (R)

NUMBER BEDROOMS: 4 NUMBER OCCUPANTS: 4

SYSTEM CLASSIFICATION:

RESIDENTIAL PROPERTY (Type Building, check one):
[] SINGLE MOBILE HOME (S) [] HOUSE (H) [] MULTIPLE FAMILY (U)
[] DOUBLE WIDE (D) [] MODULAR HOME (M) [] OTHER _____ (O)

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business _____ # Employees ___ Per Shift ___ ___ ___
Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) ___ Type _____

WATER SUPPLY (check one):
[] Community (C) [] Shared Well (S)
[] Municipal (M) [] Other 'spring' (O)
[X] Private Well (P)

FUTURE ADDITIONS - ALL PLANNED ADDITIONS MUST BE ENTERED (check all that apply):
[] Swimming Pool [] Jacuzzi [] Stable/Barn [] Workshop [] None
[] Garage [] Storage Building [] Deck/Patio [] Bedrooms [] Other

The undersigned, owner, or legal agent for the owner, of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: Michael E. Saye Date: 6.10.92

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, Treatment And Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

...No work shall be conducted on the septic tank system until an installation, Construction, Alteration and/or Repair approval is granted by this Department.

...This permit is not transferable.

...

[] IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
[] MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
[] ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

Environmentalist Date

Director or Authorized Section Head Date

WATER : 122791

TO: ENVIRONMENTAL HEALTH DEPT.
BUILDING STANDARDS DEPT.
DEPT. OF ENVIRONMENTAL PROTECTION/
SOLID AND HAZARDOUS WASTE

DATE 6/10/92

FROM: COUNTY ENGINEERING DEPARTMENT

EHD FILE _____ JURISDICTION CODE Meck

PARCEL NUMBER 029-241-11po

ASSIGNED ADDRESS 6524 Strut Acres Rd

EXISTING ADDRESS _____

PROJECT NAME N/A

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

| | APPROVED | | DISAPPROVED | |
|---|---|---|---|---|
| 1. SUBDIVISION REGULATIONS | / | / | / | /* |
| 2. FLOODWAY REGULATIONS | / | / | / | /* |
| 3. EROSION CONTROL REGULATIONS | / | / | / | /* |
| 4. PUBLIC UTILITY EASEMENT | / | / | / | /* |

| | PRESENT | | NOT PRESENT | |
|---|---|---|---|---|
| 5. PUBLIC UTILITY EASEMENT | / | /* | / | / |
| 6. PROPERTY FRONTS ON THOROUGHFARE | / | /* | / | / |
| 7. DRIVEWAY PERMIT REQUIRED | / | /* | / | / |

*If checked, further investigation will be required to determine whether a building permit can be issued by Building Standards for the site.

REMARKS: Septic Tank

NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIER'S OFFICE AT BUILDING STANDARDS WHEN PAYING PERMIT FEES.
A CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL THE TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAY(S).

SIGNED: Ruth

OPWEAR 06-88

NEW ADDRESS / X /*

FORM 100

# PROPOSED PLOT PLAN

CDQ 06/10/92

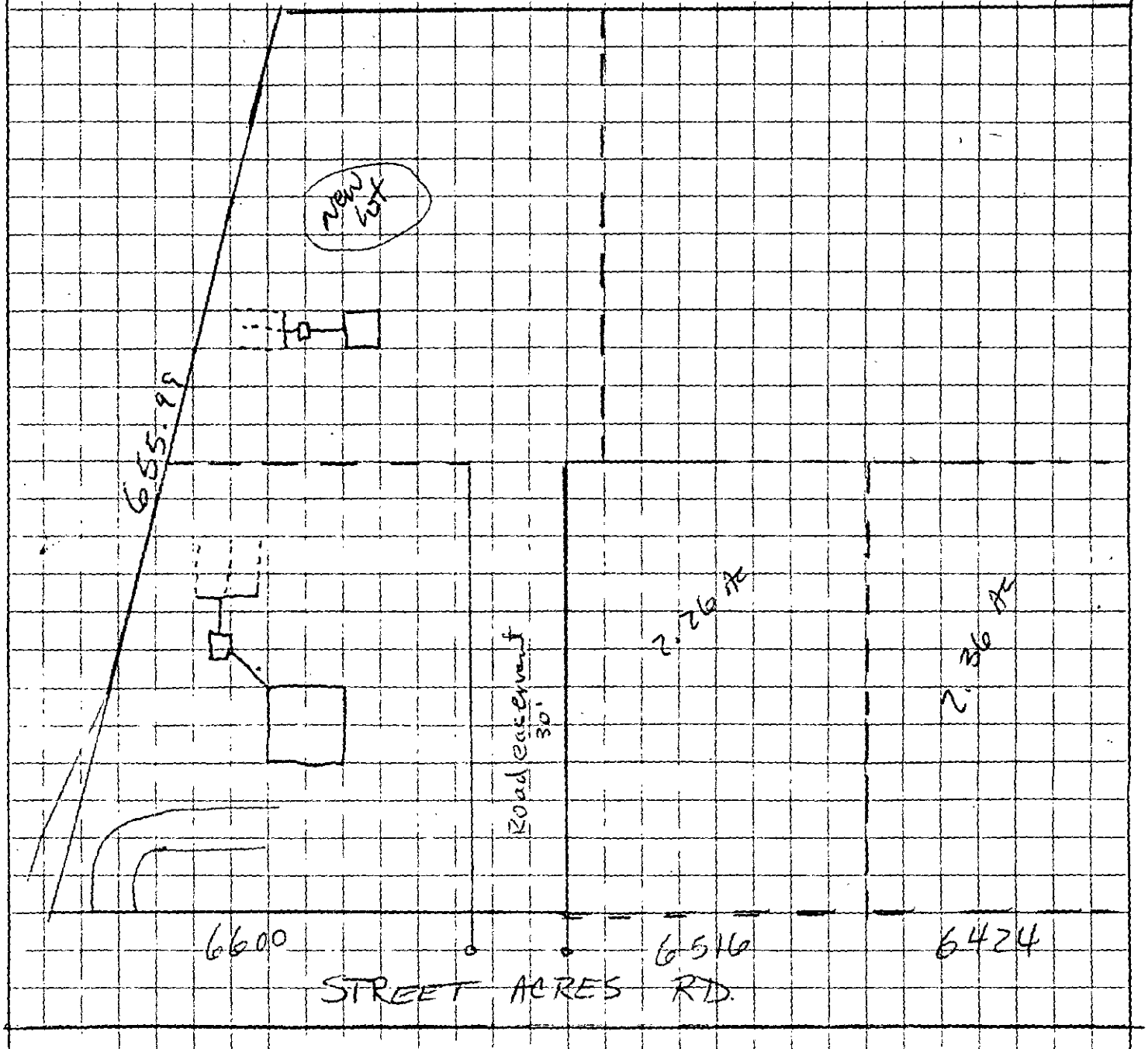
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