

Roxbury Lot 22

5/8/07

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
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MECKLENBURG COUNTY

Department of Environmental Health

February 8, 1988

Brokaw Development Corp.
1233 Old Farm Road
Charlotte, NC 28226

Dear Sir:

Subject: Property located at 11610 Chestnut Hill Drive
File: 3641-A

Receipt of the plans and specifications for a modified system of sewage disposal proposed for installation at the above referenced property is hereby acknowledged. Upon receipt of the plan, a review was made of the material on file and a site evaluation was conducted. The plan was then reviewed in conjunction with provisions of 10 NCAC 10A .1900, "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal". Our comments are listed below:

1. The topography does not allow for the system to be installed as indicated on the plan. The system must run along the land contour. If the system was installed as indicated on the plan, the lines would run into the hill.

2. If the system is turned to correspond with the land contour, the house should be moved back to allow sufficient area for the system and the repair area.

For these reasons, the plans as submitted are disapproved. We will gladly reopen our review upon receipt of a revised plan.

If you have any questions regarding these matters, please do not hesitate to contact me.

Very truly yours,

Sylvia D. Daniel

Sylvia D. Daniel, R.S.
Environmental Health Supervisor

SDD/ir

Enclosures

Septic Permit 1/29/88 $50.00 Paid

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

(OFFICE USE ONLY)

FILE: 3641A

TC: _____

SERIAL: Nº 14702 ☐ L ☐ CRT

JOB LOCATION

① ADDRESS: AVAILABLE 11/10 08 JAN '88 (STREET NO.) CHESTNUT HILL DRIVE (STREET) ② FILE: 3641A

③ JURISDICTION: MECKLENBURG ④ TAX PARCEL NO.: PO 231 04 402

⑤ SUBDIVISION: ROXBURY ⑥ LOT: 22 ⑦ BLOCK: N/A

OWNER

⑧ NAME: BROKAW (FIRST) DEVELOPMENT (MIDDLE) CORP. (LAST)

⑨ MAILING ADDRESS: 1233 OLD FARM RD.

⑩ CITY: CHARLOTTE ⑪ STATE: NC. ⑫ ZIP: 28226

⑬ PHONE: (WORK) 364-0723 ⑭ (HOME) 364-0723

REQUEST

This request is for a(n):

⑮ ☑ New permit

⑯ ☐ Repair or alteration permit

⑰ ☐ Authorization for mobile home exchange

⑱ ☐ Other (specify) _____

DESIGN CRITERIA

System will serve:

⑲ ☑ Residence ⑳ ☐ Mobile home

㉑ ☐ Business or place of public assembly

㉒ Number of bedrooms? 3

㉕ Type? _____

㉓ Maximum occupancy? 6

㉖ Maximum number of employees? _____

㉔ Basement? ☑ yes ☐ no

㉗ Maximum number of seats? _____

WATER SUPPLY

㉘ Water supply from (present or proposed):

A ☐ Individual well

B ☐ Municipal system

C ☑ Community well

D ☐ Community system

㉙ The undersigned, 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 DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: _____

Date: 1/28/88

IMPROVEMENT PERMIT

The undersigned, an authorized agent of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH, 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 permit is issued by this Department.

. . . This permit is not transferable, and shall become null and void 36 months from the date of issuance.

Environmentalist / Date

Director or Authorized Section Head / Date

*This permit must be signed by the Director of Environmental Health or an authorized section head in order to be valid.

MECKLENBURG COUNTY
Department of Environmental Health

August 17th, 1987

Brokaw Development Corporation
1233 Old Farm Road
Charlotte, NC 28226

RE: Property located at Chestnut Hill Drive 22
FILE: 3641A
PARCEL: 23104402 PO

Dear Sir:

At your request, a field investigation was conducted on the property designated above for the purpose of determining site suitability for the installation of a ground absorption sewage disposal system. The property was found to contain a limited area of soils which were classified as provisionally suitable for such an installation. A copy of the Site Evaluation Report (Serial Number 14389) is enclosed for your information.

Should you desire to file for permission to install a ground absorption sewage disposal system, please submit an Application For An Improvement Permit with an ACCURATELY dimensioned plot plan detailing the location of current and/or proposed buildings, wells and sewage disposal systems to this office. The plan will be reviewed and if it is found that the area of provisionally suitable soils is adequate for the proposed construction, an Improvement Permit will be issued by this Department.

If I may be of assistance, please do not hesitate to contact me.

Sincerely,

Sylvia D. Daniel, R.S.
Environmental Health Supervisor
Environmental Resources Division

Enclosure

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER 14389

File: 3641A Action: /

Parcel: 23104402 .PO ☐ PC

Location: Chestnut Hill Drive

Subdivision:

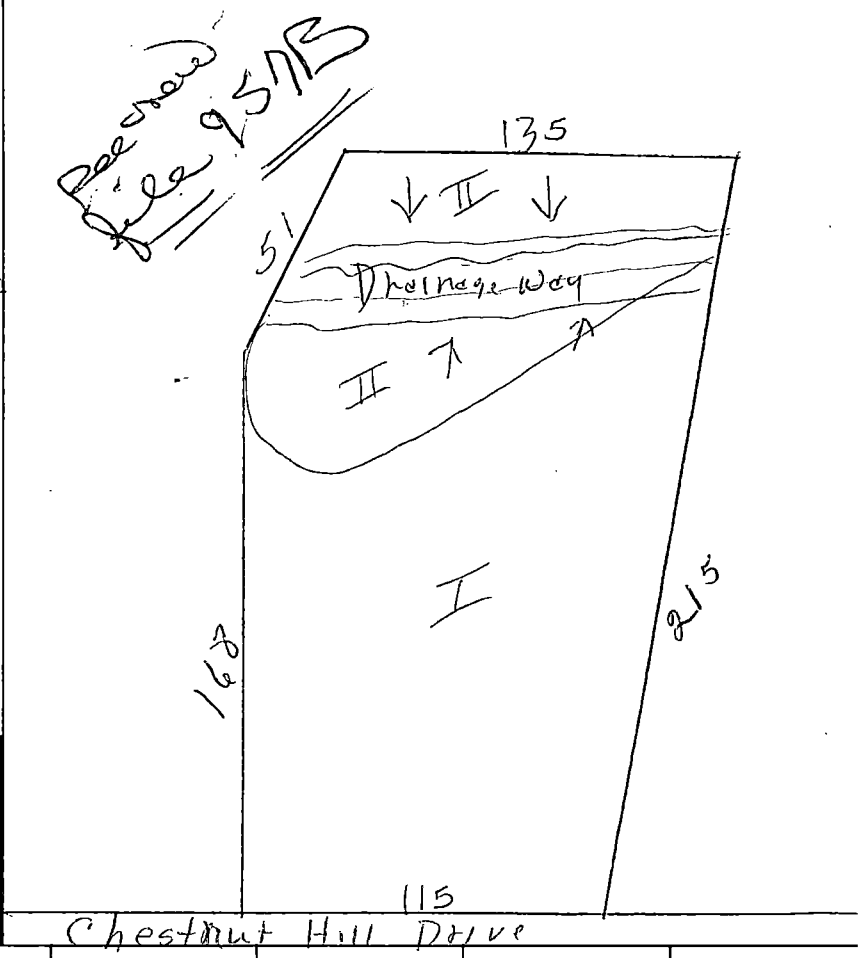
Lot: 22 Block: Acres: .60

Owner: Brokaw Development Corporation
Address: 1233 Old Farm Road
Charlotte, NC 28226

Comments: Slopes Restrict use of P. Suitable Area

Described by: W. B. Ramsey

Date: 8-12-87



***** 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 4-12	S (PS) U 8-15	S PS U	S PS U	S PS U	S PS U
Texture	S (PS) U	S (PS) U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U	S (PS) U	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U	S (PS) (U) Drainage Way	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U 37-36	S PS (U) 28-30	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U	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	IVa applies to Drainageway	IVa applies				
Area Classification	S (PS) U	S PS (U)	S PS U	S PS U	S PS U	S PS U

PROPOSED PLOT PLAN

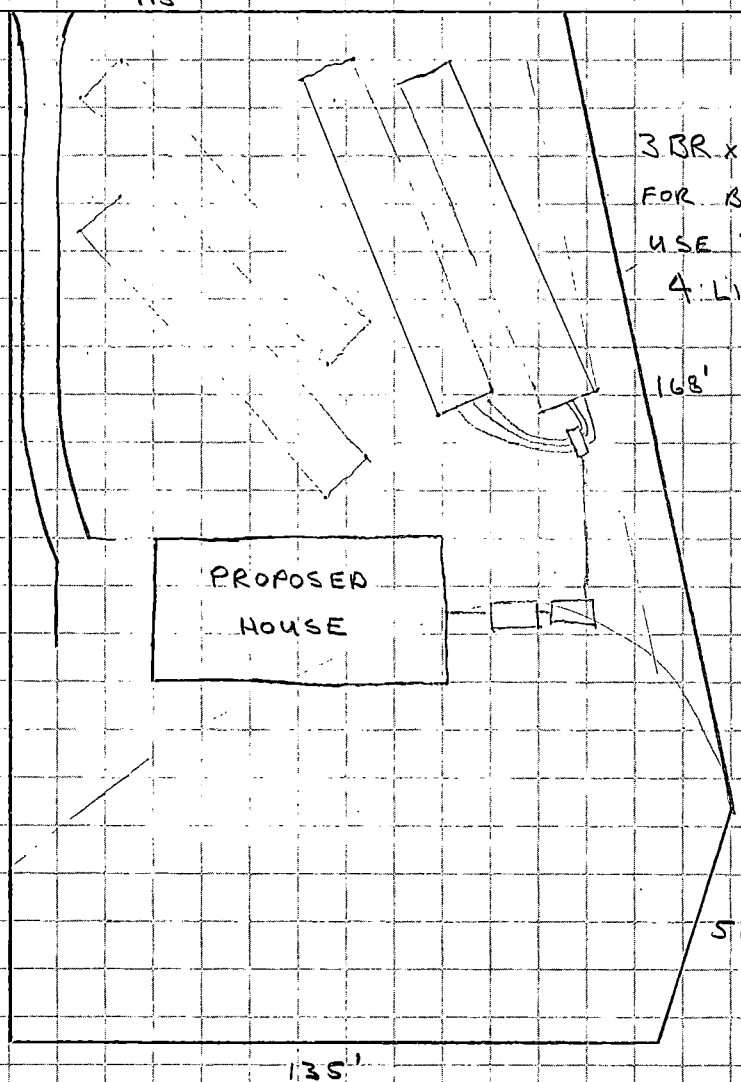
MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 3641A

TC: 231 04402 PO

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.



3 BR x 133 FT/BR = 400 FT.
FOR BED SYS 400 FT. x 1.5 = 600 FT.
USE 2 BEDS, 12 FT. x 78 FT., w/
4 LINES EACH, 3 FT. O.C.

SEE ATTACHED SHEETS FOR DISTRIBUTION MANIFOLD, PUMP TANK, AND BED DETAILS

USE 1500 GAL SEPTIC TK AND 1500 GAL PUMP TANK

DISAPPROVED
MECKLENBURG COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

FILE NO. _____

ICAR PERMIT NO. _____

DATE _____

BY _____

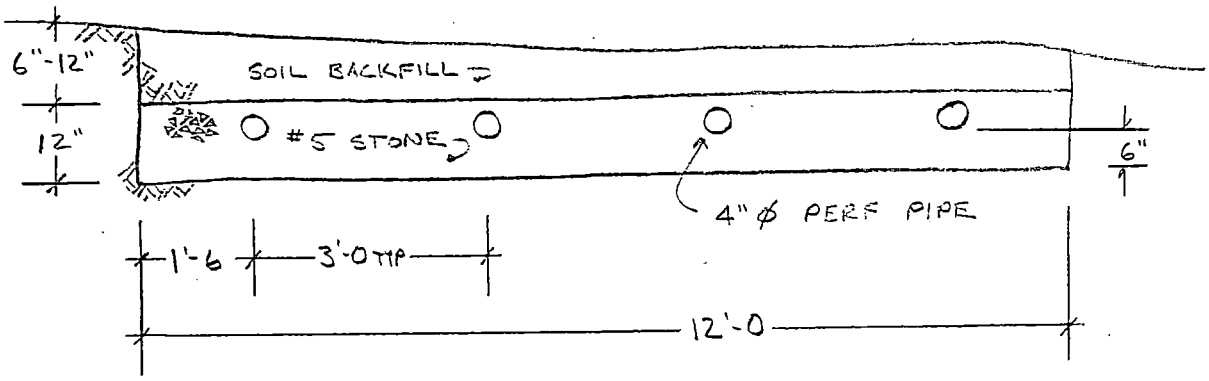
NOTE: CONNECT D-BOX TO BED LINE WITH SOLID CORRUGATED POLYETHYLENE PIPE.

PREPARED BY:
EDDIE BANCOM

Signed: _____

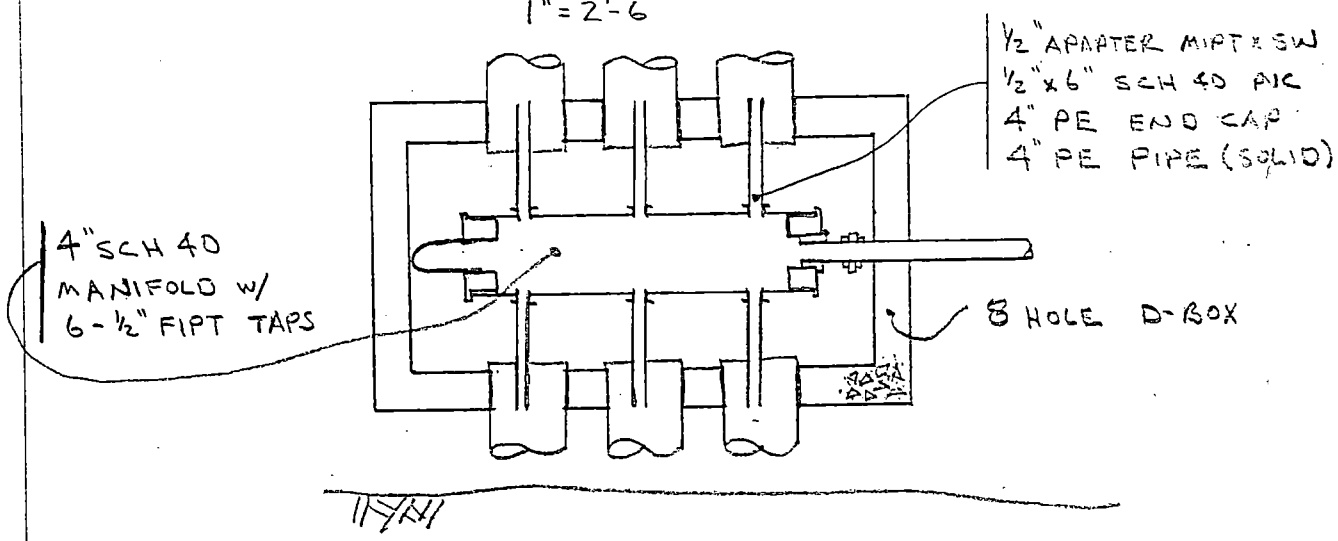
Date: _____

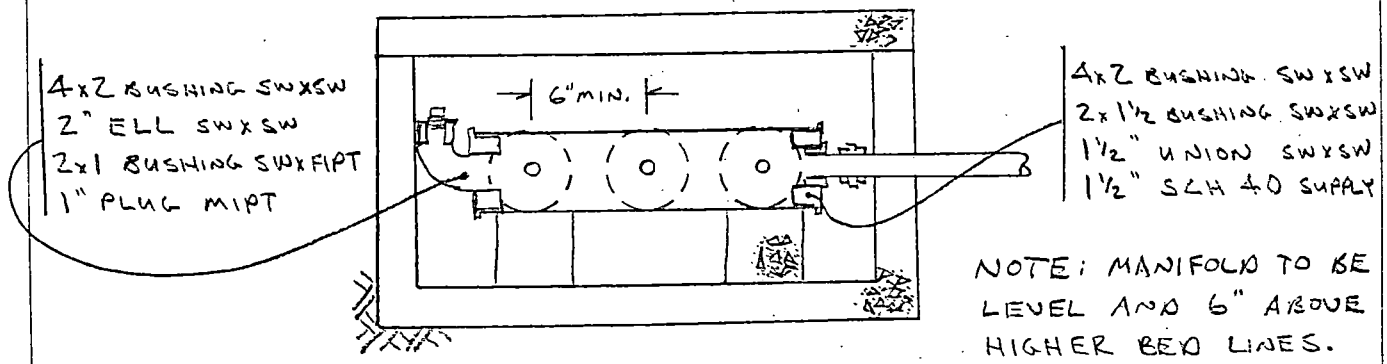
FILE: 3641A



BED DETAIL

1" = 2'-6



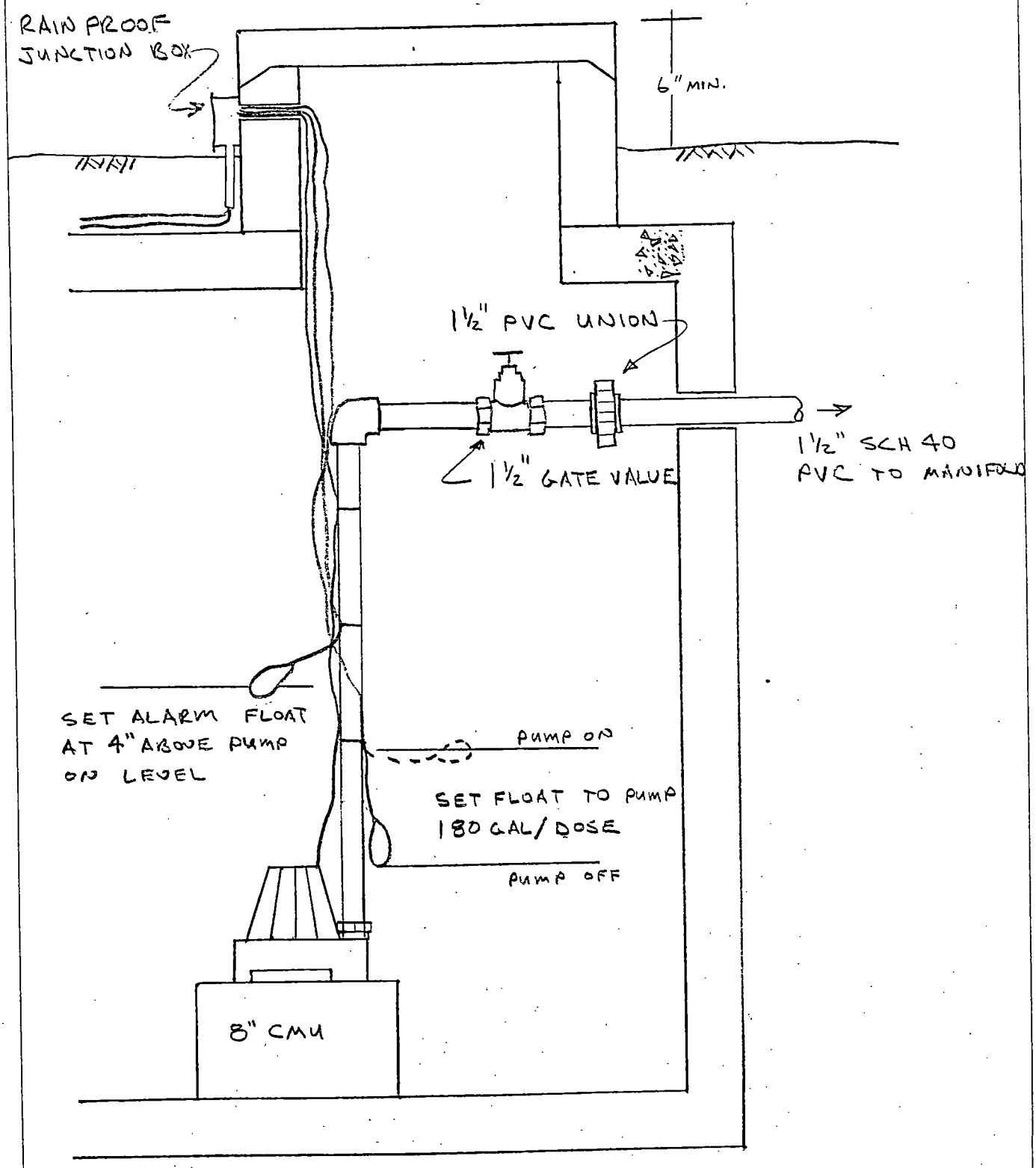


NOTE: MANIFOLD TO BE LEVEL AND 6" ABOVE HIGHER BED LINES.

MANIFOLD DETAILS

1" = 10"

FILE: 3641A



PUMP TANK DETAIL

NTS

MANIFOLD DESIGN

GIVEN A 3 BR HOUSE (360 GPD) AND SIX TAPS REQUIRED TO SUIT FIELD CONFIGURATION, USE SMALLEST ALLOWABLE TAP SIZE (REF 1*) OR ½". USING ORIFICE EQUATION FROM REF 1 W/ HEAD OF 1.2 FT

Q (PER TAP) $= 11.79\ (.622)^2\ (1.2)^{1/2}$

$Q = 5.0$ GPM PER TAP

∴ FLOW REQUIRED IS 5.0 GPM/TAP × 6 TAPS = 30 GPM

FROM TABLE 1, REF 1: FOR MANIFOLD W/ ½" TAPS ON 2 SIDES, UP TO 7 TAPS CAN BE USED ON 4" MANIFOLD, WHERE TAP SPACING IS 6"

∴ USE 4" Ø MANIFOLD W/ 6 - ½" TAPS

INCLUDE A 1" Ø THREADED OUTLET TO MONITOR MANIFOLD PRESSURE ON START-UP AND ANNUAL SERVICING.

PUMP REQUIREMENTS

GIVEN FROM ABOVE 30 GPM AND 1.2' RESIDUAL HEAD, h_r. ESTIMATE ELEVATION HEAD, h_e, @ 10'. IF USING ~50 FT OF 1½" SCH 40 PVC AS SUPPLY LINE, FROM REF 2* TABLE 3, h_f PIPE = 2.6'. ADD 10% FOR FITTINGS = SAY 3'

$h_{TOT} = h_r + h_e + h_f = 1.2' + 10' + 3'$

$h_{TOT} = 14.2'$ SAY 15 FT

PUMP MUST DELIVER 30 GPM AT 15 FT. HEAD. USE HYDROMATIC OSP 33 M OR EQUIVALENT.

*

1) PRESSURE MANIFOLD DESIGN FOR GROUND ABSORPTION SEWAGE SYSTEMS, STEVEN J. BERKOWITZ, FEB. 1986

2) DESIGN AND INSTALLATION OF LOW-PRESSURE PIPE WASTE TREATMENT SYSTEMS, CRAIG COGGER ET AL, MAY 1982

APPLICATION FOR SOIL INVESTIGATION

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 3641A

TC: _____

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: Chestnut Hill Dr.

② SUBDIVISION: Roxbury ③ LOT: 22 ④ BLOCK: 044

⑤ PARCEL REFERENCE: BOOK NO.: 231 PAGE NO.: 04 PARCEL NO.: 02

⑥ DEED REFERENCE: BOOK NO.: 5383 PAGE NO.: 234

OWNER

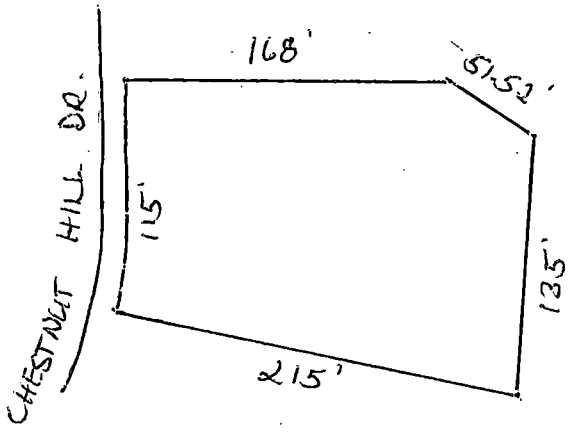
⑦ NAME: Brokaw Development Corp.
(FIRST) (MIDDLE) (LAST)

⑧ MAILING ADDRESS: 1233 Old Farm Rd.

⑨ CITY: Charlotte ⑩ STATE: N.C. ⑪ ZIP: 28224

⑫ PHONE: (WORK) 364-0723 (HOME) 364-0723

⑬ Accurately diagram and dimension lot.



⑭ The undersigned, 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 DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: Keith D. Brokaw

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

Date: June 29, 1987

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY