

12305 PUMP STATION RD.

12/26/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

Mecklenburg County
Health Department

December 24, 1996

Jonathan Hasson
Metcalf & Eddy, Inc.
1201 Peachtree St., N.E.
400 Colony Square
Atlanta, Georgia 30361

Dear Mr. Hasson:

Please find enclosed a copy of the original soils report issued by our soil scientist, Bill Marlin. Also enclosed is an application for Improvement Permit. This application should be completed and returned with a full set of plans to our office. This second application is requested due to a change in the number of employees as mentioned during our recent telephone conversation.

Mr. Marlin's initial site visit and soils investigation covered an inadequate amount of space in which to install a system of the size you have indicated your company will propose. A second trip was necessary to investigate an additional area of soils. There is an additional fee of $75.00 due for the second trip.

If you have any questions, please do not hesitate to contact me at (704) 336-5571 or Kelly Randall at (704) 336-5575.

Sincerely,

Judy J. Kiser, R.S.
Individual Water and Wastewater Systems

Enclosures (3)

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet
PROPERTY ID #: #116123
COUNTY: PO 023-131-06

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Charlotte-Mecklenburg Utility Dept. APPLICANT:
ADDRESS: 5100 Brookshire Blvd, Chas. APPLICATION DATE: DATE EVALUATED:
PROPOSED FACILITY: Classroom, etc. PROPOSED DESIGN FLOW (.1949): ~~1200~~ 900gpd PROPERTY SIZE: 1.0
LOCATION OF SITE: 12305 Pump Station Room PROPERTY RECORDED:
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	~~S~~ L-104 .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFIL CLASS & LTA
1	LS	0-10"	gr/scl	Fr/SExP/SS/SP	7.5YR 6/8 @ 38" TO		N/A	None	PS .39/F2 LV
		10-38"	SBK/sc						
2	LS	0-6"	gr/scl				N/A	None	PS .39/F2 LV
		6-48"	SBK/sc						
3	LS	0-7"	gr/scl		2		N/A	None	PS .39/F2 LV
		7-49"	SBK/sc						
4	LS	0-10"	gr/scl	Fr/SExP/SS/SP	7.5YR 6/8 @ 40" TO Chroma 2	40"	N/A	None	PS .39/F2 LV
		10-40"	SBK/sc	Fr-Fi/SExP/SP					

Hold any release for GIS payment

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): provisionally suitable
EVALUATED BY: William A. Meeks 12-12-94
LSS

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet
PROPERTY ID #: 1612B
COUNTY:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFIL CLASS & LTA
5	LS	0-3"	gr/sc/	Fr/SEXP/SS/SP	>38" TO Chroma 2	38"	N/A	None	PS .39/P2 LV
		3-38"	SBK/SC	Fr-Fi/SEXP/SP					
6	LS	0-7"	gr/sc/	Fr/SEXP/SS/SP	>48" TO Chroma 2	48"	N/A	None	PS .39/P2 LV
		7-48"	SBK/SC	Fr-Fi/SEXP/SP					
7	LS	0-5"	gr/sc/	Fr/SEXP/SS/SP	>46" TO Chroma 2	46"	N/A	None	PS .39/P2 LV
		5-46"	SBK/SC	Fr-Fi/SEXP/SP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____

OMMENTS: 100% Repair
Additional Area Potentially Available

LEGEND

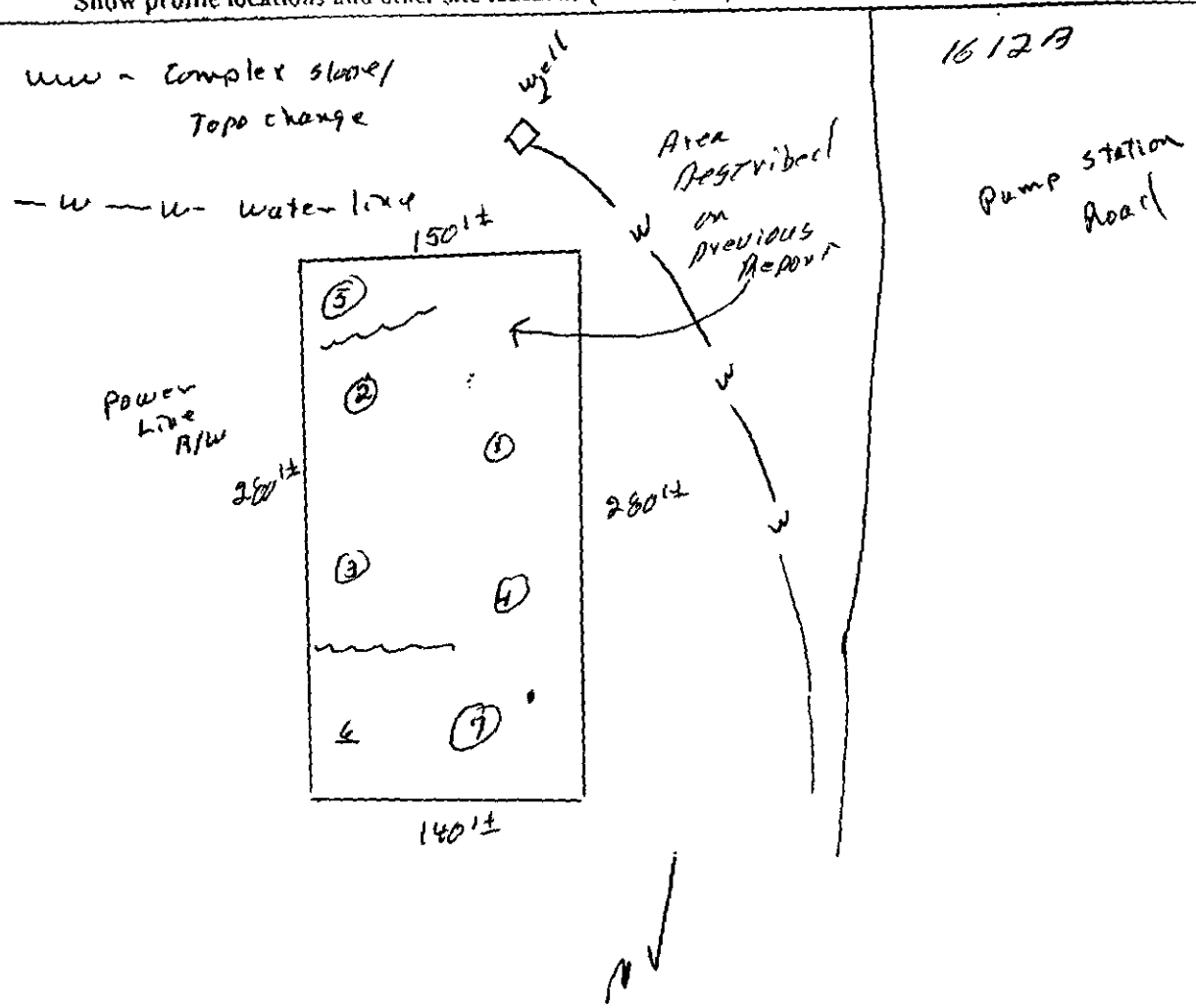
use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL 1955 LTAR	LPP 1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
C (Concave Slope) V (Convex Slope) (Drainage Way) S (Debris Slump) P (Flood Plain) S (Foot Slope) (Head Slope) (Linear Slope) (Nose Slope) (Ridge) (Shoulder Slope) (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	SI (Silt) SICL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SLC (Silt Loam Clay)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SIC (Silty Clay)	0.4 - 0.1	0.2 - 0.05	MOIST VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	WET NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)
		O (Organic)	None			

ATES	
ORIZON DEPTH	In inches below natural soil surface
EPTH OF FILL	In inches from land surface
UNSTRUCTIVE HORIZON	Thickness and depth from land surface
APROLITE	S(suitable) or U(unsuitable)
IGH WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designatio
LASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.
ong-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet
PROPERTY ID #: #1 16 12 B
COUNTY: 00 023-131-06

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for ON-SITE WASTEWATER SYSTEM

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ADDRESS: 5100 Brookshire Blvd, Chas. APPLICATION DATE: DATE EVALUATED:
PROPOSED FACILITY: Class room, etc. PROPOSED DESIGN FLOW (.1949): ~~1000~~ 900 gpd PROPERTY SIZE: 1.0
LOCATION OF SITE: 12305 Pump Station Road PROPERTY RECORDED:
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TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTA
1	LS	0-10"	gr/scl	Fr/SEXP/SS/SP	>38" TO Chroma 2	38"	N/A	None	PS .391 IV
		10-38"	SBM/sc	Fr-Fi/SEXP/SS/P					
2	LS	0-6"	gr/scl	Fr/SEXP/SS/SP	>48" TO Chroma 2	48"	N/A	None	PS .391 IV
		6-48"	SBM/sc	Fr-Fi/SEXP/SS/P					
3	LS	0-7"	gr/scl	Fr/SEXP/SS/SP	>49" TO Chroma 2	49"	N/A	None	PS .391 IV
		7-49"	SBM/sc	Fr-Fi/SEXP/SP					
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		10-40"	SBM/sc	Fr-Fi/SEXP/SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): provisionally suitable
EVALUATED BY: William A. Mack 9-12-94

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet
PROPERTY ID #: 1612B
COUNTY:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
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WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
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		5-46"	SBK/SC	Fr-Fi/SEXP/SP					
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Available Space (.1945)		
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SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____

Additional Area Potentially Available

LEGEND

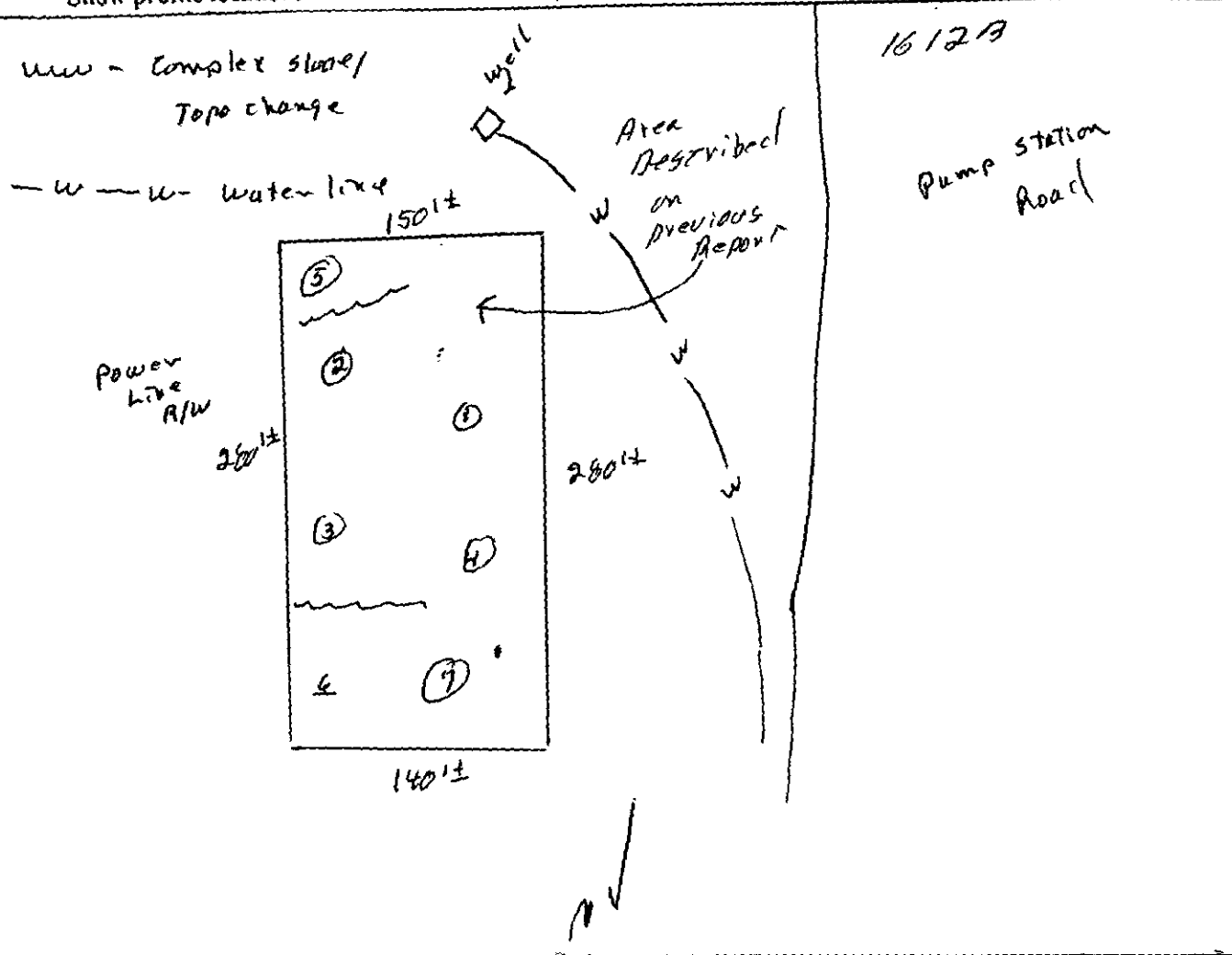
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					MOIST	WET
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		O (Organic)	None			

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valuation of saprolite shall be by pits.
ong-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



December 6, 1996

Bill Marlin
Mecklenburg County Health Department
700 North Trion Street
Suite 211
Charlotte, North Carolina 28202

SUBJECT: ***Catawba River Raw Water Pumping Station Expansion***
Septic System Sizing Requirements

Dear Mr. Marlin:

Metcalf & Eddy is completing the design of the referenced project. To finalize our design of the new septic system and leech field, we have requested a soil loading rate value from your office for determining the length of the drain line system. In response to our conversation of November 26, 1996, we are providing the calculations for the daily loading rate of 900 gallons per day to you for your use.

Please find attached the calculations used to determine the expected loading rate. As you can see in the calculations, this is a mixed use facility, having the characteristics of both an industrial/shift work facility and a conference/auditorium facility. Using loading rates provided in the "Laws and Rules for Sewage Treatment and Disposal Systems" as published by the North Carolina Department of Environment, Health, and Natural Resources, Division of Environmental Health, and other expected loading rates for cleaning activities, we determined the largest anticipated daily loading rate to the septic system will be approximately 900 gallons per day.

As we understand, the liquid application rate for this area will probably be 0.3 gallons per square foot, and the standard trench width is three (3) feet. Please provide written notification of this application rate and trench width to us as soon as possible. The septic tank and drain field will be designed to meet the requirements of the Division of Environmental Health. We need to complete the next phase of our design, which contains the septic system design, before December 20, 1996. Therefore, we would like to have this information by December 10, 1996. A copy of the design drawings will be submitted to your office for review at the next design phase submittal.

Thank you for you prompt attention to this matter. Please call me if you have any questions or comments.

Sincerely,

METCALF & EDDY, INC.

Jonathan K. Hasson, P.E.
Assistant Project Manager

Cc: Nick Cooper
Larry Taylor - JJ&G
File

Attachments

H:\CMUD\DESIGN\DRAIN2.DOC

1201 Peachtree St., N.E., 400 Colony Square, Suite 1101, Atlanta, GA 30361
(404) 881-8010 Fax (404) 872-3161

Affiliates of Air & Water Technologies Corporation

CATAWBA RIVER RAW WATER PUMPING STATION Anticipated Septic System Flows				
Type of Use	Unit	No. of Units	Flow per Unit (gpd/unit)	Flow (gpd)
Normal Staff Use	person	10	25 [1]	250
Shower Use	person	10	10 [1]	100
Conference/Auditorium	person	25	5 [1]	125
Floor Washing	hose gate	2	180 [2]	360
Total Anticipated Flows				***835***

1 - "Laws and Rules for Sewage Treatment ...", NCDEHNR, DEH

2 - "Wastewater Engineering", Metcalf & Eddy, Inc. (3/4 inch hose @ 30 min./day)

Metcalf & Eddy, Inc. Confidential

Mecklenburg County
Health Department

December 24, 1996

Jonathan Hasson
Metcalf & Eddy, Inc.
1201 Peachtree St., N.E.
400 Colony Square
Atlanta, Georgia 30361

Dear Mr. Hasson:

Please find enclosed a copy of the original soils report issued by our soil scientist, Bill Marlin. Also enclosed is an application for Improvement Permit. This application should be completed and returned with a full set of plans to our office. This second application is requested due to a change in the number of employees as mentioned during our recent telephone conversation.

Mr. Marlin's initial site visit and soils investigation covered an inadequate amount of space in which to install a system of the size you have indicated your company will propose. A second trip was necessary to investigate an additional area of soils. There is an additional fee of $75.00 due for the second trip.

If you have any questions, please do not hesitate to contact me at (704) 336-5571 or Kelly Randall at (704) 336-5575.

Sincerely,

Judy J. Kiser, R.S.
Individual Water and Wastewater Systems

Enclosures (3)

CITY OF CHARLOTTE

600 EAST FOURTH STREET
CHARLOTTE, N.C. 28202-2848

DATE	CHECK NO
10/07/96	555027
APCC	26915

DATE	INVOICE / CREDIT MEMO	TYPE	DESCRIPTION	GROSS	DISCOUNT	NET
093096	74293205		100796 8042	15000	00	15000
	***** RETURN CHECK TO KATHY FREEZE CMUD ENGINEERING					
			TOTAL ▶	15000	000	15000

THE ATTACHED CHECK IS IN PAYMENT FOR ITEMS DESCRIBED ABOVE.

Survey in file

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

Rec'd 150.00 chk # 55502 10/15/96 gc ☐ CRT

1612B

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

(704)336-5102

PERSON FILING APPLICATION:
NAME: HASSON (last) METCALF & EDDY, INC. (first) JONATHAN (mi) K.
ADDRESS: 1201 PEACHTREE ST, N.E. 400 COLONY SQ. PHONE: (404) 881-8010
CITY: ATLANTA STATE: GA ZIPCODE: 30361

Date: August 27, 1996

PROPERTY OWNER: Charlotte-Mecklenburg Utility Department
NAME: Bean, (last) Douglas (first) O. (mi)
ADDRESS: 5100 Brookshire Blvd. PHONE: (704) 399-2221
CITY: Charlotte STATE: NC ZIPCODE: 28216

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: ~~02313110~~ 02313106, ~~02312107~~
STREET ADDRESS: 12305 Pump Station Road
Charlotte, NC 28202
ZONING: R5

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

SUBDIVISION OR MOBILE HOME PARK NAME: N/A

LOT NUMBER: See Tax Parcel LOT SIZE (in acres): 64.25

TYPE APPLICATION (check one):

☐ 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 N)
☒ 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)

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

NUMBER BEDROOMS: 0 NUMBER OCCUPANTS:
SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business WATER SUPPLY UTILITY # Employees 5 Per Shift 3 1 1
Industrial Wastes (Y/N) N
Underground Storage Tanks On Property (Y/N) N Type N/A

WATER SUPPLY (check one):
☐ Community (C) ☐ Shared Well (S)
☐ Municipal (M) ☐ Other 'spring' (O)
☒ 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: Douglas O. Bean Date: September 30, 1996

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the 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

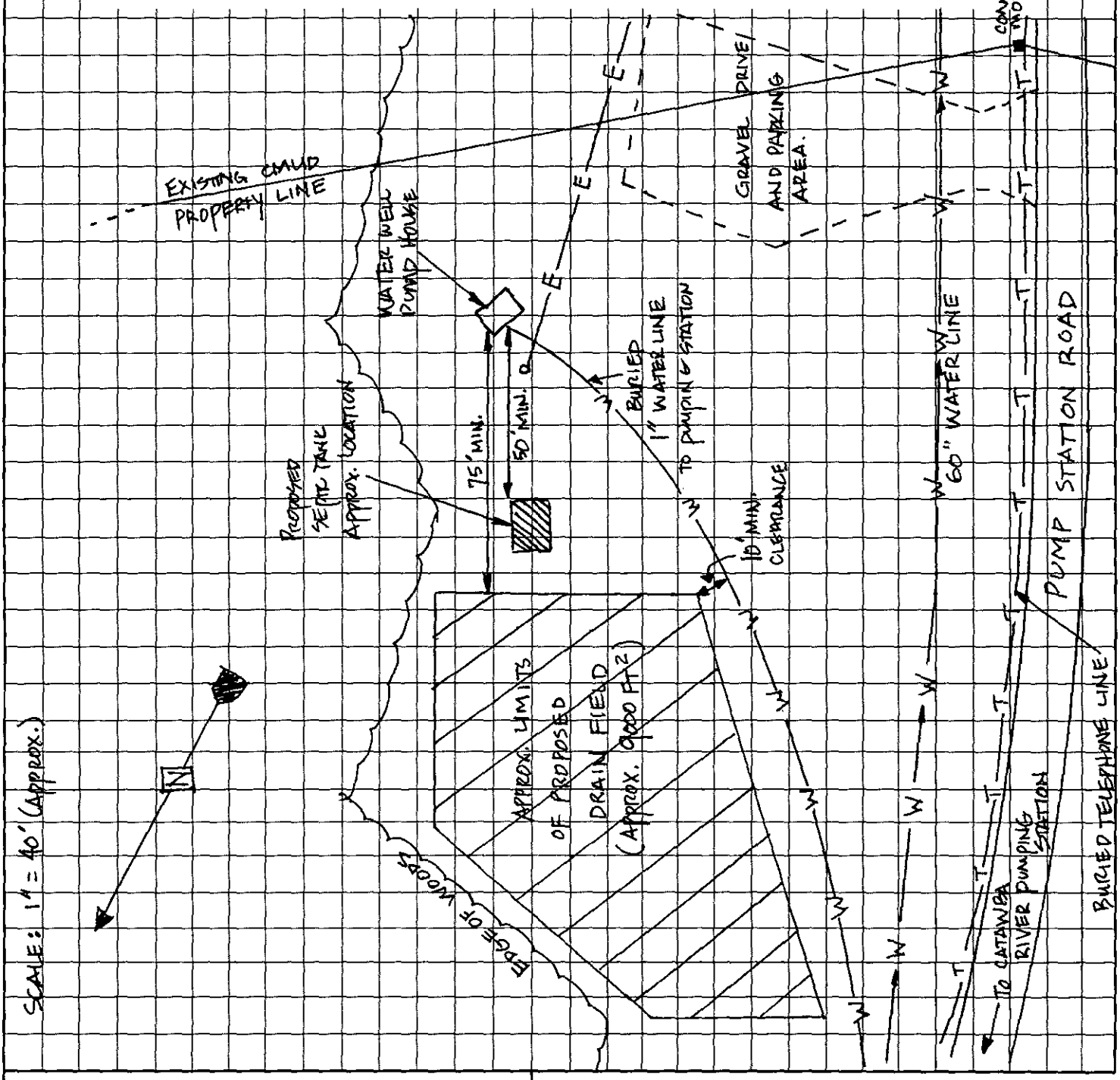
PROPOSED PLOT PLAN

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

FILE: 16128

TC: 023-13/06

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.



Jonathan Uhan FOR CMUD
OWNER/AGENT SIGNATURE

DATE 8/27/96

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

27 August, 1996

Mecklenburg County Health Department
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tyron St..
Charlotte, North Carolina 28202

RE: Percolation Testing for Proposed Drain Field
Catawba River Raw Water Pumping Station Expansion
Charlotte-Mecklenburg Utility Department

Dear Sir or Madam:

Metcalf & Eddy is pleased to submit, on behalf of the Charlotte-Mecklenburg Utility Department, the enclosed preliminary siting plan for the new septic tank and drain field proposed for the expansion of the Catawba River Raw Water Pumping Station. The current sewage disposal system at the pumping station will be demolished and removed to allow for expansion of the facility. The proposed site is located on Pump Station Road, approximately 1000 feet southeast of the existing raw water pumping station, and approximately one (1) mile north of the intersection of Pump Station Road with Mt. Holly-Huntersville Road. Pump Station Road intersects Mt. Holly-Huntersville Road approximately one (1) mile north of Mt. Holly-Huntersville Road's intersection with Brookshire Blvd. (Hwy. 16).

Upon instruction of Kelly Randall of your office, we are submitting the preliminary site plans and application for your review and use in conducting the required percolation test of the site. As we understand, a total application fee of $300 is required for the permitting process. However, only $150 of the fee is required at this time for the soils/percolation testing.

Please find enclosed the completed application document, $150 partial application fee, and site plan for the proposed septic tank and drain field. Also enclosed for your use are copies of our survey documents with the approximate location of the proposed tank and drain field shown.

We anticipate the average sewage flow rate to be 1150 gallons per day (gpd). The sewage flow will be pumped to the septic tank from the water pumping station facility. To adequately design and size the tank and drain field, we require the results of the percolation test. Upon completion of the percolation test, please immediately forward your comments and findings to us at the address shown below. We will then complete the design of the system, and submit the final design to your group for final permitting. It is at this time that we understand the remaining fee balance of $150 is due to you.

1201 Peachtree St., N.E., 400 Colony Square, Suite 1101, Atlanta, GA 30361
(404) 881-8010 Fax (404) 872-3161

AWT Affiliates of Air & Water Technologies Corporation

We request the percolation test be conducted as soon as possible. We would like to complete the design of the tank and drain field within four (4) weeks from the above date. Thank you for your prompt attention to this request. Please feel free to contact me at (404) 881-8010 if you have any questions or comments.

Sincerely,

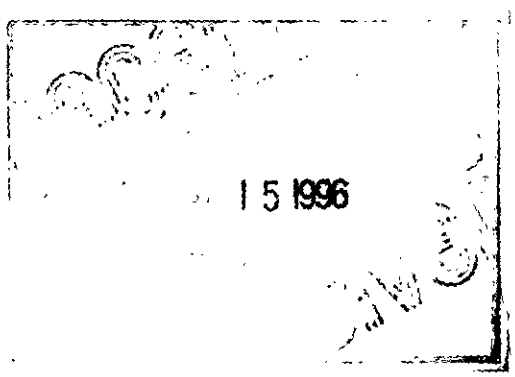
METCALF & EDDY, INC.

Jonathan K. Hasson, P.E.
Assistant Project Manager

Enclosures

cc: H. Arnold Jarrell, P.E. - CMUD
Nick Cooper, P.E. - M&E
File

h:\cmud\design\drain1.doc


15 1996

Survey in file

Road 150.00 chk # 555027 10/15/96 gc ☐ CRT

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

1612B

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

(704)336-5102

PERSON FILING APPLICATION: JONATHAN K.
NAME: HASSON METCALF & EDDY, INC.
(last) (first) (mi)
ADDRESS: 1201 PEACHTREE ST., N.E. PHONE: (404) 881-8010
400 COLONY SQ.
CITY: ATLANTA STATE: GA ZIPCODE: 30361

Date: August 27, 1996

PROPERTY OWNER: Charlotte-Mecklenburg Utility Department
NAME: Bean, Douglas O.
(last) (first) (mi)
ADDRESS: 5100 Brookshire Blvd. PHONE: (704) 399-2221
CITY: Charlotte STATE: NC ZIPCODE: 28216

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: ~~02313110~~ 02313106, ~~02312107~~
STREET ADDRESS: 12305 Pump Station Road
Charlotte, NC 28202
ZONING: R5

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

SUBDIVISION OR MOBILE HOME PARK NAME: N/A

LOT NUMBER: See Tax Parcel LOT SIZE (in acres): 64.25

TYPE APPLICATION (check one):
☐ SOIL TEST - INDIVIDUAL LOT (O)
☐ 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)

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

NUMBER BEDROOMS: 0 NUMBER OCCUPANTS:

SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business WATER SUPPLY UTILITY # Employees 5 Per Shift 3 1 1
Industrial Wastes (Y/N) N
Underground Storage Tanks On Property (Y/N) N Type N/A

WATER SUPPLY (check one):
☐ Community (C) ☐ Shared Well (S)
☐ Municipal (M) ☐ Other 'spring' (O)
☒ 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: Douglas O. Bean Date: September 30, 1996

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

Date
Environmentalist

Date
Director or Authorized Section Head

WATER 12291

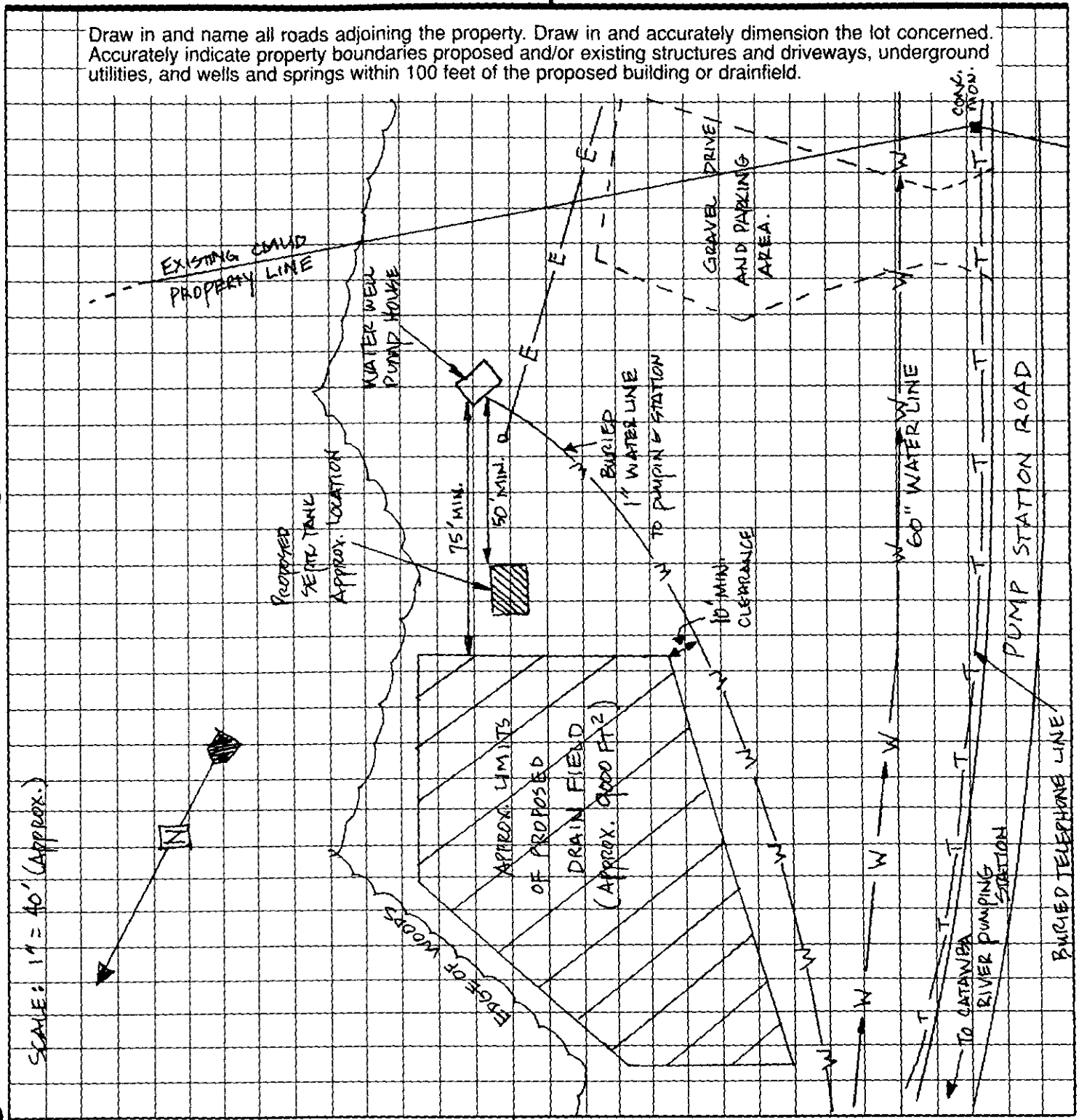
PROPOSED PLOT PLAN

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

FILE: 16128

TC: 123-13/06

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.



Jonathan Uhan FOR CMUD
OWNER/AGENT SIGNATURE

DATE 8/27/96

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet #1

PROPERTY ID #: 1612 B
COUNTY: PO 023-13106

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

OWNER: Charlotte-Mecklenburg Dept. APPLICANT:
ADDRESS: 5100 Brookshire Blvd, Charlotte APPLICATION DATE: DATE EVALUATED:
PROPOSED FACILITY: Maint. Station PROPOSED DESIGN FLOW (.1949): 1250gpd PROPERTY SIZE: Approx. 1B
LOCATION OF SITE: 12305 Rumple Station Road PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	5/10 PS 6-15 PS .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & I.T.A
1	2S	0-4"	gr/sl	Fr/SEXP/SS/SP	> 48" To Chroma 2	48"	N/A	None	PS .39/F2 IE
		4-40"	SBK/c	Fr-Fi/SEXP/SP					
		40-48"	SBK/scl	Fr/SEXP/SSPP					
2	2S	0-6"	gr/scl	Fr/SEXP/SS/SP	> 48" To Chroma 2	48"	N/A	None	PS .39/F2 IE
		6-48"	SBK/c	Fr-Fi/SEXP/SP					
3	2S	0-5"	gr/scl	Fr/SEXP/SS/SP	> 48" To Chroma 2	46"	N/A	None	PS .39/F2 IE
		5-45"	SBK/c	Fr-Fi/SEXP/SP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Provisionally suitable 10-24-96
EVALUATED BY: W.A. Mullis LES

OMMENTS: Current septic probably does not meet additional area possibly available

LEGEND

use the following standard abbreviations

ANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL 1955 LTAR	LPP 1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
C (Concave Slope) V (Convex Slope) (Drainage Way) S (Debris Slump) P (Flood Plain) S (Foot Slope) (Head Slope) (Linear Slope) (Nose Slope) (Ridge) (Shoulder Slope) (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	SI (Silt) SICL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SLC (Silt Loam Clay)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SIC (Silty Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None			

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

OTES	
ORIZON DEPTH	In inches below natural soil surface
EPTH OF FILL	In inches from land surface
ESTRICTIVE HORIZON	Thickness and depth from land surface
APROLITE	S(suitable) or U(unsuitable)
OIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
LASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.

ong-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).

