Fac/Perm/Co ID #	Date	Doc ID#	
07A	6 22 11	14232	DW

COUNTY: Beaufort

PERMIT OR RECORD NO.:07-A

FILE TYPE: COMPLIANCE

RECORD OF COMMUNICATION

☐ PHONE CALL ☐ DISCUSSION ☒ SITE VISIT ☐ CONFERENCE

☐ OTHER (SPECIFY)_____

(Record of item checked above)

TO:Memo to File

FROM:Chuck Boyette CGB

DATE 5/20/04

TIME

SUBJECT

Closure activities

SUMMARY OF COMMUNICATION

On May 20, 2004, I made a site visit to the referenced landfill at the request of Jim Spain, Public Works Director for Beaufort County. The purpose of the visit was to look at the closure activities that I noted in the March 24, 2004 audit of the site

The C&D cell was covered and we made about 5 boring to check on the depth of cover. One boring revealed that there was 18 inches of cover over the waste, the rest of the borings were from 20 to 24 inches of cover. Flags were placed at the sites of the borings and Mr. Spain was instructed to have the locations of the borings placed on the map when they have the disposal boundaries surveyed.

The cover looked good, they had striped the topsoil and stockpiled it , then covered with the subsoil and then placed at least 6 inches of topsoil on the site.

We have scheduled a meeting with the County Manager, the person who will operate at the site and the P.W. Director for May 25, 2004. At that time I want to make sure that all parties understand that they are to do and what activities can and can not go on at the site.

CONCLUSIONS,

Closure activities are well under way and it appears that they will continue to call me to see that they are moving in the direction that we want them to go

FOLLOW-UP REQUIRED:

☐ NO ☐ PHONE CALL ☐ SUBMITTAL ☐ MEETING ☒ RETURN VISIT BY:_May 25, 2004_____ (DATE)

FOLLOW-UP NOTES

ACTIONS TAKEN OR REQUIRED

CC:

Mark Poindexter, Mark Fry, Jim Barber

USE CONTINUATION SHEET AS NECESSARY

NCDENR
North Carolina Department of Environment and Natural Resources

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE: (check all that apply to this audit with same Permit number)

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDLF	x	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

COUNTY: Beaufort
PERMIT NO.:07-A
FILE TYPE: COMPLIANCE

Date of Audit: March 24, 2004. Date of Last Audit: Dec. 15, 2003

FACILITY NAME AND ADDRESS:
Beaufort County Demolition Landfill
PO Box 1027
Washington, NC 27889

FACILITY CONTACT NAME AND PHONE NUMBER:
Paul Spruill, County Manager (252) 946-0079

FACILITY CONTACT ADDRESS (IF DIFFERENT):
Same

AUDIT PARTICIPANTS:
Chuck Boyette, Solid Waste Section
Ronald Martin, Beaufort Co. Landfill

STATUS OF PERMIT:
Permit expired

PURPOSE OF AUDIT:
Follow up audit

NOTICE OF VIOLATION(S) (citation and explanation):
None
You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to $5,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. If the violation(s) noted here continue, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATIONS (List all noted last audit):
The landfill has stopped receiving waste and started closure activities as requested in the NOV issued on Dec. 15, 2003--The NOV is resolved!

OTHER COMMENTS /SUGGESTIONS:
Please contact me if you have any questions or concerns regarding this audit report.

_____(signature) Phone: (252) 946-6481.
Regional Representative

Distribution: original signed copy to facility -- signed copy to compliance officer – e-mail or copy to super

Delivered on :March 29, 2004 by		hand delivery	x	US Mail		Certified No. [_]

Cc : Mark Fry, Eastern Area Supervisor
Mark Poindexter, Branch Head

BOOK 884 PAGE 321

Beaufort Permits

RECEIVED
AUG 13
SOLID & HAZARDOUS WASTE BRANCH

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

CERTIFIED COPY OF SOLID WASTE PERMIT

I do hereby certify that the attached PERMIT is an exact and true copy of Permit No. 7-A.

William L Meyer
William L. Meyer, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

North Carolina

Wake County

I, Lois B Walker, a Notary Public for said County and State, do hereby certify that William L. Meyer, Head, Solid & Hazardous Waste Management Branch, Environmental Health Section personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 6th day of August, 1987.

LOIS B. WALKER NOTARY PUBLIC WAKE COUNTY, N.C.
(official seal)

Lois B Walker
Notary Public

My commission expires 1-29, 1990.

PERMIT NO. 7-A

DATE ISSUED 8/6/87

STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

DIVISION OF HEALTH SERVICES

P.O. Box 2091 Raleigh 27602

SOLID WASTE PERMIT

Beaufort County is hereby issued a permit to operate a Demolition Landfill located on S.R. 1334, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located on the below described property.

The following is a boundary description of the demolition landfill for Beaufort County, in connection with the Beaufort County Landfill Expansion Operations Plan of June, 1987. This description is based on the plat prepared by W.C. Rodman and L.E. Waters, dated November 16, 1977. This plat was sealed by Mr. Wiley C. Rodman, III, registered land surveyor of North Carolina, No. L2266. The following tract is in Bath Township, Beaufort County, North Carolina, and is more particularly described as follows:

> Commencing where the center line of unpaved North Carolina Secondary Road 1336 intersects the center line of North Carolina Secondary Road 1334, said point being the true pont of beginning;

William L Meyer

William L. Meyer, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

PERMIT NO. 7-A

DATE ISSUED

SOLID WASTE PERMIT

Property Description (continued)

Thence along the center line of North Carolina Secondary Road 1334, South 69 degrees, 51 minutes West, 729.69 feet;

Thence South 72 degrees, 47 minutes West, 100.00 feet;

Thence South 83 degrees, 45 minutes West, 100.00 feet;

Thence North 87 degrees, 41 minutes West, 100.00 feet;

Thence North 86 degrees, 16 minutes West, 358.89 feet;

Thence leaving the center line of North Carolina Secondary Road 1334, and running North 23 degrees, 54 minutes West, 1069.83 feet to a concrete monument;

Thence North 50 degrees, 25 minutes East, 1067.95 feet to a point on the center line of North Carolina Secondary Road 1334;

Thence South 19 degrees, 34 minutes East, 653.20 feet;

Thence South 31 degrees, 21 minutes East, 225.00 feet;

Thence South 44 degrees, 11 minutes East, 200.00 feet;

Thence South 49 degrees, 13 minutes East, 462.60 feet;

Thence South 40 degrees, 45 minutes East, 187.36 feet to the true point of beginning;

Said tract containing a total of 35.35 acres, more or less.

BOOK 884 PAGE 324

PERMIT NO. 7-A
DATE ISSUED

S O L I D W A S T E P E R M I T
(Demolition Landfill)

Conditions of Permit:

1. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located. After recordation, the certified copy shall be returned to the Solid & Hazardous Waste Management Branch and shall have indicated on it the page and book number, date of recordation and registrar's seal.

2. When this property is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a sanitary landfill.

3. The following requirements shall be met prior to receiving solid waste at the site:

    a. Site preparation shall be in accordance with the construction plan.
    b. Site inspection shall be made by a representative of the Division of Health Services.

4. This solid waste disposal site is permitted to receive solid waste as defined in 10 NCAC 10G, .0101(5); stumps, limbs, leaves, concrete, brick, wood, uncontaminated earth, and demolition/construction debris or other solid wastes as approved by the Division.

5. This permit is for construction according to attached plans. Any modification or deviation from the approved plans shall be approved by the North Carolina Solid and Hazardous Waste Management Branch.

6. Ground water monitoring wells and monitoring requirements:

    a. Two wells shall be installed at locations as shown on construction plans.
    b. Installation shall conform to DHS well standard (Attachment 1).
    c. A well completion record shall be submitted to DHS for each monitoring well constructed (Attachment 2) within 30 days upon completion.
    d. The location of the monitoring wells shall be physically located in the field and approved by DHS prior to the well being constructed.
    e. For new site locations, ground water monitoring wells shall be constructed and sampled prior to the acceptance of any waste at the landfill and conform to specifications outlined in the N.C. Water Quality Monitoring Guidance Document for Solid Waste Facilities. Complete specifications are delineated in this document which is available from DHS.

f. Beaufort County shall sample monitoring wells annually as per the above-referenced Guidance Document.

g. A readily accessible unobstructed path shall be initially cleared and maintained so that 4-wheel drive vehicles may access the monitoring wells at all times.

7. This facility shall conform to operating procedures in Rule .0507 of the Solid Waste Management Rules; with a variance from (11), "solid waste shall not be disposed of in water" being granted under the authority of section .0205.

8. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L (Attachment 3).

North Carolina
Beaufort County
The foregoing Certificate of Lois B Walker

Notary Public/~~Notaries Public~~ is/~~are~~ certified to be correct.
This instrument was presented for registration and recorded in
This office at Book 884, Page 321.

This 11 day of Aug, 1987 at 2:07 o'clock P. M.

John I. Morgan
Register of Deeds

By John I. Morgan
~~Deputy~~ Register of Deeds

Grantor-Grantee
Indexed
Grantor-Grantee

NORTH CAROLINA

BEAUFORT COUNTY

I, John I. Morgan, Register of Deeds and Legal Custodian of the Real Estate Records of the aforesaid County, do hereby certify that the foregoing is a photocopy of an instrument recorded in this office in Book 884 at page 321.

IN WITNESS WHEREOF I have hereunto set my hand and official seal, this 12th day of August, 1987.

Gloria S. Howard Deputy
John I. Morgan, Register of Deeds

4.00

STATE OF NORTH CAROLINA

COUNTY OF BEAUFORT

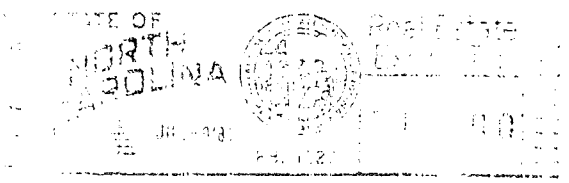
THIS DEED, Made and entered into this 30 day of June, 1987, by and between Weyerhaeuser Company, a corporation of the State of Washington, and duly authorized to do business in the State of North Carolina, party of the first part, to Beaufort County, a body politic and corporate under the laws of the State of North Carolina, party of the second part;

W I T N E S S E T H:

That the said party of the first part, for and in consideration of the sum of TEN AND NO/100 ($10.00) DOLLARS and other good and valuable considerations to it in hand paid by the party of the second part, the receipt of which is hereby acknowledged, has bargained and sold and by these presents does bargain, sell, and convey, unto the said party of the second part, its successors and assigns, subject to the mineral reservation, terms and provisions, as hereinafter set out, that certain tract or parcel of land lying and being in Bath Township, Beaufort County, State of North Carolina, and being more particularly described as follows:

Begin where the center line of unpaved North Carolina Secondary Road 1336 intersects the center line of North Carolina Secondary Road 1334, and run thence along the center line of North Carolina Secondary Road 1334, South 69 degrees 51 minutes 00 seconds West 729.69 feet; thence running South 72 degrees 47 minutes 00 seconds West 100.00 feet; thence running South 83 degrees 45 minutes 00 seconds West 100.00 feet; thence running

PREPARED BY:
T. R. THOMPSON, JR.
ATTORNEY AT LAW
AURORA, NORTH CAROLINA



North 87 degrees 41 minutes 00 seconds West 100.00 feet; thence running North 86 degrees 16 minutes 00 seconds West 358.89 feet to a point in the center line of said road; thence leaving the center line of said road and running North 23 degrees 54 minutes 00 seconds West 34.74 feet to a railroad iron on the North edge of the right of way of North Carolina Secondary Road 1334; thence continuing North 23 degrees 54 minutes 00 seconds West 1,035.09 feet to a concrete monument, the Point of Beginning of the tract of land herein leased; thence running from said Beginning Point and along the Texas Gulf Kugler Tract, North 20 degrees 29 minutes 00 seconds West 2,895.32 feet to a concrete monument in the line of the lands now or formerly owned by Alligood; thence running North 81 degrees 55 minutes 18 seconds West 198.32 feet to a concrete monument; thence running North 58 degrees 08 minutes 30 seconds West 268.71 feet to a concrete monument; thence running North 81 degrees 57 minutes 26 seconds West 369.50 feet to an iron pipe in Weyerhaeuser's Beaufort 23 line; thence running South 21 degrees 49 minutes 48 seconds East 2,650.55 feet to an iron pipe; thence running South 59 degrees 57 minutes 10 seconds East 945.00 feet, more or less, to the concrete monument at the Point of Beginning, containing 39.997 acres, more or less.

A map of the foregoing tract or parcel of land is of record in Plat Cabinet B, Slide 76, Beaufort County Registry, and is identified by the following legend: "Beaufort County Landfill No. 2, Being a Portion of Weyerhaeuser Company's Eureka Lumber Co. - W. R. Cutler Tr., Bath Township, Beaufort Co., N. C., Surveyed By: John E. Rea, R.L.S., - L-1237, November 14, 1977, Drawn by J. Hollowell, Scale: 1"=400' - 39.997 Acres."

This conveyance is made subject to the following mineral reservation, terms and provisions:

(1) This conveyance is made subject to the reservation of mineral rights which are retained by Weyerhaeuser Company and said reservation is stated in substance as follows:

PREPARED BY:
T. R. THOMPSON, JR.
ATTORNEY AT LAW
AURORA NORTH CAROLINA

"Grantor hereby expressly saves, excepts and reserves out of the grant hereby made, unto itself, its successors and assigns, forever, all geothermal steam and heat and all metals, ores and minerals of any nature whatsoever in or upon said land including but not limited to, coal, lignite, peat, oil and gas, including coal seam gas, together with the right to enter upon said lands for the purpose of exploring the same for such geothermal resources, metals, ores and minerals, and drilling, opening, developing and working mines and wells thereon and taking out and removing therefrom, including by surface mining methods, all such geothermal resources, metals, ores and minerals, and to occupy and make use of so much of the surface of said land as may be reasonably necessary for said purpose; provided, that Grantee and Grantee's heirs, representatives, successors and assigns, shall be paid just and reasonable compensation for any injury or damage to the surface of said land, to the crops or to the improvements thereon caused by the exercise of any rights herein reserved, provided, further, that the exercise of such rights by Grantor shall not be postponed or delayed pending reasonable efforts to agree upon or have determined such just and reasonable compensation."

(2) This property is conveyed subject to all matters, conditions, restrictions, and easements of record, and those, if any, constituting constructive notice.

(3) Option of Weyerhaeuser Company to lease described property:

As a part of the consideration for the conveyance from the party of the first part to the party of the second part of the property heretofore described, they do hereby agree as follows:

1. At such time as the property heretofore described shall no longer be needed by the party of the second part for a landfill, or upon the expiration of a period of twenty-five (25) years from the date first above written, whichever occurs first, the party of the first part shall have the right and option to lease from the party of the second part the property heretofore described for a period of thirty-five (35) years for the sum of ONE AND NO/100 ($1.00) DOLLAR per year.

PREPARED BY:
T. R. THOMPSON, JR.
ATTORNEY AT LAW
AURORA, NORTH CAROLINA

2. In the event the party of the second part shall cease to use the described property for a landfill within a period of less than twenty-five (25) years from the date first above written, it shall promptly notify the party of the first part in writing of such event. Thereafter, the party of the first part, within thirty (30) days after being so advised, will inform the party of the second part with regard to whether or not it desires to lease the described property under the terms heretofore set out,

OR

3. Upon the expiration of twenty-five (25) years from the date first above written, the party of the first part shall notify the party of the second part within thirty (30) days following the expiration of the twenty-five (25) year period with regard to whether or not it desires to lease the described property under the terms heretofore set out.

4. In the event the party of the first part desires to enter into a lease with the party of the second part under the terms heretofore set out, then and in that event, the parties hereto agree to promptly enter into same and the party of the first part shall have the total control of the premises upon the payment of the sum of ONE AND NO/100 ($1.00) DOLLAR per year for thirty-five (35) years.

TO HAVE AND TO HOLD the aforesaid tract or parcel of land together with all the rights, privileges and appurtenances thereunto belonging unto it, the said party of the second part, its successors and assigns, to their only use and behoof forever, subject to the mineral reservation, terms and provisions, as set out hereinabove.

PREPARED BY
T. R. THOMPSON, JR.
ATTORNEY AT LAW
AURORA NORTH CAROLINA

And the said party of the first part covenants to and with the said party of the second part, its successors and assigns, that it is seized of said premises in fee and has a lawful right to convey the same in fee simple; that the same is free and clear from all encumbrances, except for the mineral reservation, terms and provisions, as set out hereinabove, and that it hereby warrants and will forever defend the title to the same against the lawful claims of all persons whomsoever.

IN TESTIMONY WHEREOF, Weyerhaeuser Company has caused this instrument to be signed in its name by its Vice President, attested by its Assistant Secretary, with its corporate seal hereunto affixed, all by the authority of its Board of Directors duly given, this the day and year first above written.

WEYERHAEUSER COMPANY

By: _____
Vice President

(CORPORATE SEAL)

ATTEST:

Linda Holton
Assistant Secretary

PREPARED BY:
T. P. THOMPSON, JR.
ATTORNEY AT LAW
NORTH CAROLINA

STATE OF NORTH CAROLINA

COUNTY OF CRAVEN

This is to certify that before me personally came J. C. Jessup, Jr., Vice President with whom I am personally acquainted, who, being by me duly sworn, says that Linda Holton is the Assistant Secretary of Weyerhaeuser Company, the corporation described in and which executed the foregoing instrument; that he knows the common seal of said corporation; that the seal affixed to the foregoing instrument is said common seal, and the name of the corporation was subscribed thereto by the said Vice President, and that said Vice President and Assistant Secretary subscribed their names thereto, and said common seal was affixed, all by order of the Board of Directors of said corporation, and that the said instrument is the act and deed of said corporation.

Witness my hand and official seal, this 30 day of June, 1987

BARBARA C. KHOURY NOTARY PUBLIC CRAVEN COUNTY, NC

Barbara C. Khoury
Notary Public

My Commission Expires

2-16-91

PREPARED BY
R. THOMPSON, JR.
ATTORNEY AT LAW
BORA, NORTH CAROLINA

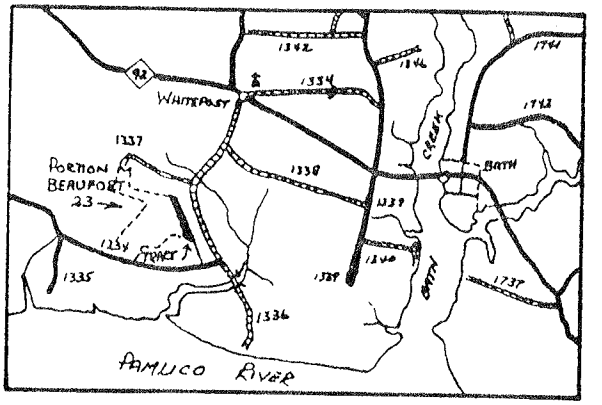
North Carolina
Beaufort County

The foregoing Certificate of Barbara C Khoury
Notary Public/Notaries Public is/are certified to be correct. This instrument was presented for registration and recorded in this office at Book 882, Page 973.

This 9 day of July, 1987 at 2:50 o'clock P. M.

John I. Morgan
Register of Deeds

By Betty M. Willard
Deputy Register of Deeds



LOCATION

2,895.32'

Texasgulf - "Kugler Tract")

BEAUFORT COUNTY LANDFILL NO. 2

BEING A PORTION OF WEYERHAEUSER COMPANY'S
EUREKA LUMBER CO. - W.R. CUTLER TR.
BATH TOWNSHIP, BEAUFORT CO., N.C.
SURVEYED BY: JOHN E. REA, R.L.S. - L-1237
NOVEMBER 14, 1977, DRAWN BY: J. HOLLOWELL
SCALE: 1" = 400' — 39.997 ACRES

FILED 7 DAY OF May 1979
AND RECORDED IN
PLAT CABINET B SLIDE 76
JOHN I. MORGAN, REGISTER OF DEEDS
BEAUFORT CO., WASHINGTON, N. C.

Concrete Monument

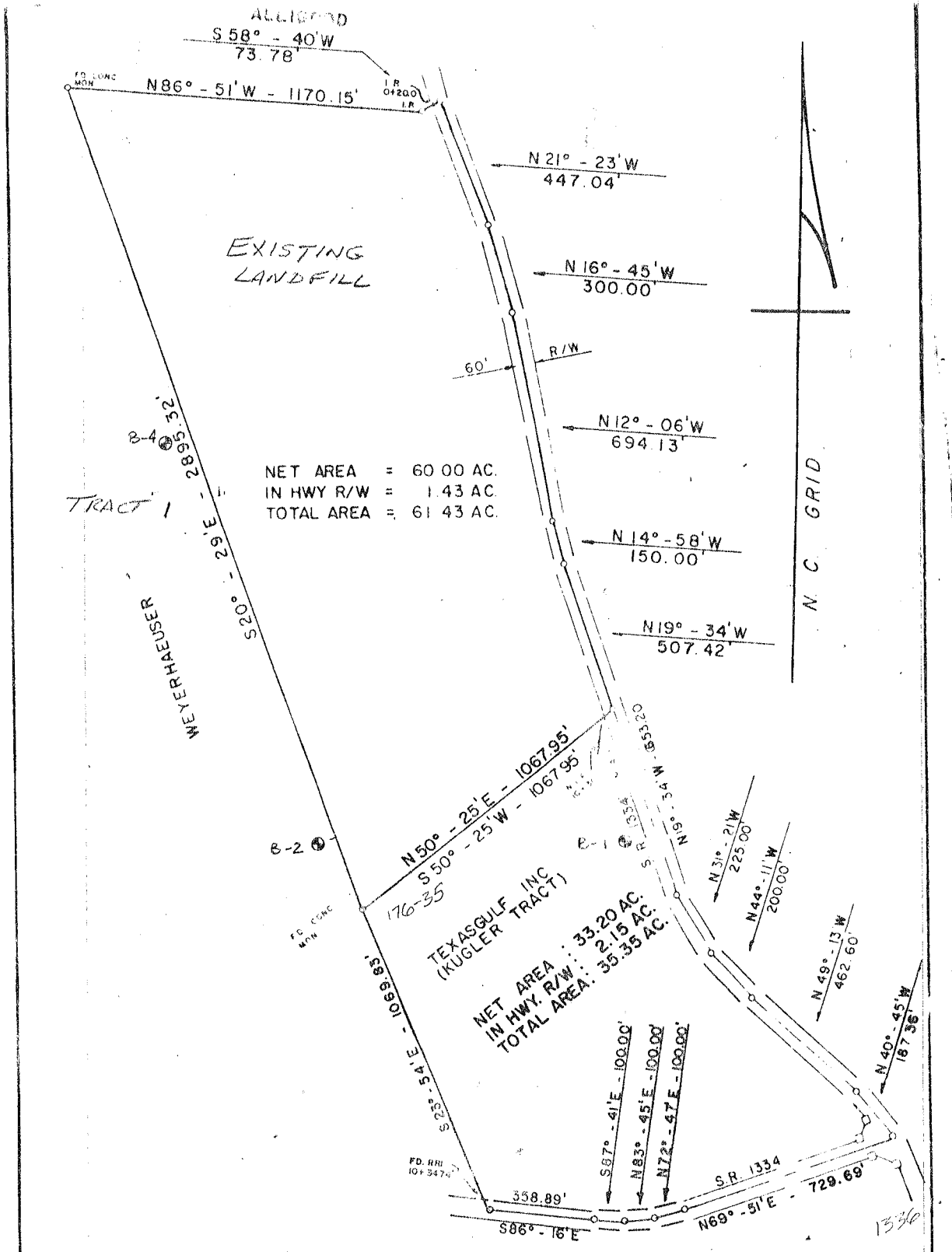
)"E 1035.09' (Tie-In to N.C.S.R.'s 1334 & 1336)

S.R. 1334

60' R/W

unpaved

N69°51'00"E 729.69'



I HEREBY CERTIFY THAT THIS SURVEY IS IN ALL RESPECTS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND, WAS PREPARED UNDER MY SUPERVISION.

21 Nov. 77
DATE

NORTH CAROLINA REGISTERED SEAL L-2266 LAND SURVEYOR WILEY C. RODMAN, III

REGISTERED LAND SURVEYOR L - 2266

W. C. Rodman & L. E. Waters
LAND SURVEYING & CIVIL ENGINEERING
137 NORTH MARKET STREET
WASHINGTON, NORTH CAROLINA 27889

BEAUFORT COUNTY LANDFILL NO. 2

BEING A PART OF THE TEXASGULF INC. "KUGLER TRACT"

BATH TOWNSHIP	BEAUFORT COUNTY, N.C.
SCALE : 1" = 400'	DATE : 16 - NOV - 1977
DRAWN BY : R.F.H.	DWG. NO.
SURVEYED BY W.C. RODMAN III ; R.L.S. L - 2266	

BEAUFORT COUNTY LANDFILL
DEMOLITION SITE
LAW ENGINEERING
J47986-1663B
AUGUST 4, 1987

BOUNDARY DESCRIPTION

The following is a boundary description of the demolition landfill for Beaufort County, in connection with the Beaufort County Landfill Expansion Operations Plan of June, 1987. This description is based on the plat prepared by W.C. Rodman and L.E. Waters, dated November 16, 1977. This plat was sealed by Mr. Wiley C. Rodman, III, registered land surveyor of North Carolina, No. L2266. The following tract is in Bath Township, Beaufort County, North Carolina, and is more particularly described as follows:

Commencing where the center line of unpaved North Carolina Secondary Road 1336 intersects the center line of North Carolina Secondary Road 1334, said point being the true pont of beginning;

Thence along the center line of North Carolina Secondary Road 1334, South 69 degrees, 51 minutes West, 729.69 feet;

Thence South 72 degrees, 47 minutes West, 100.00 feet;

Thence South 83 degrees, 45 minutes West, 100.00 feet;

Thence North 87 degrees, 41 minutes West, 100.00 feet;

Thence North 86 degrees, 16 minutes West, 358.89 feet;

Thence leaving the center line of North Carolina Secondary Road 1334, and running North 23 degrees, 54 minutes West, 1069.83 feet to a concrete monument;

Thence North 50 degrees, 25 minutes East, 1067.95 feet to a point on the center line of North Carolina Secondary Road 1334;

Thence South 19 degrees, 34 minutes East, 653.20 feet;

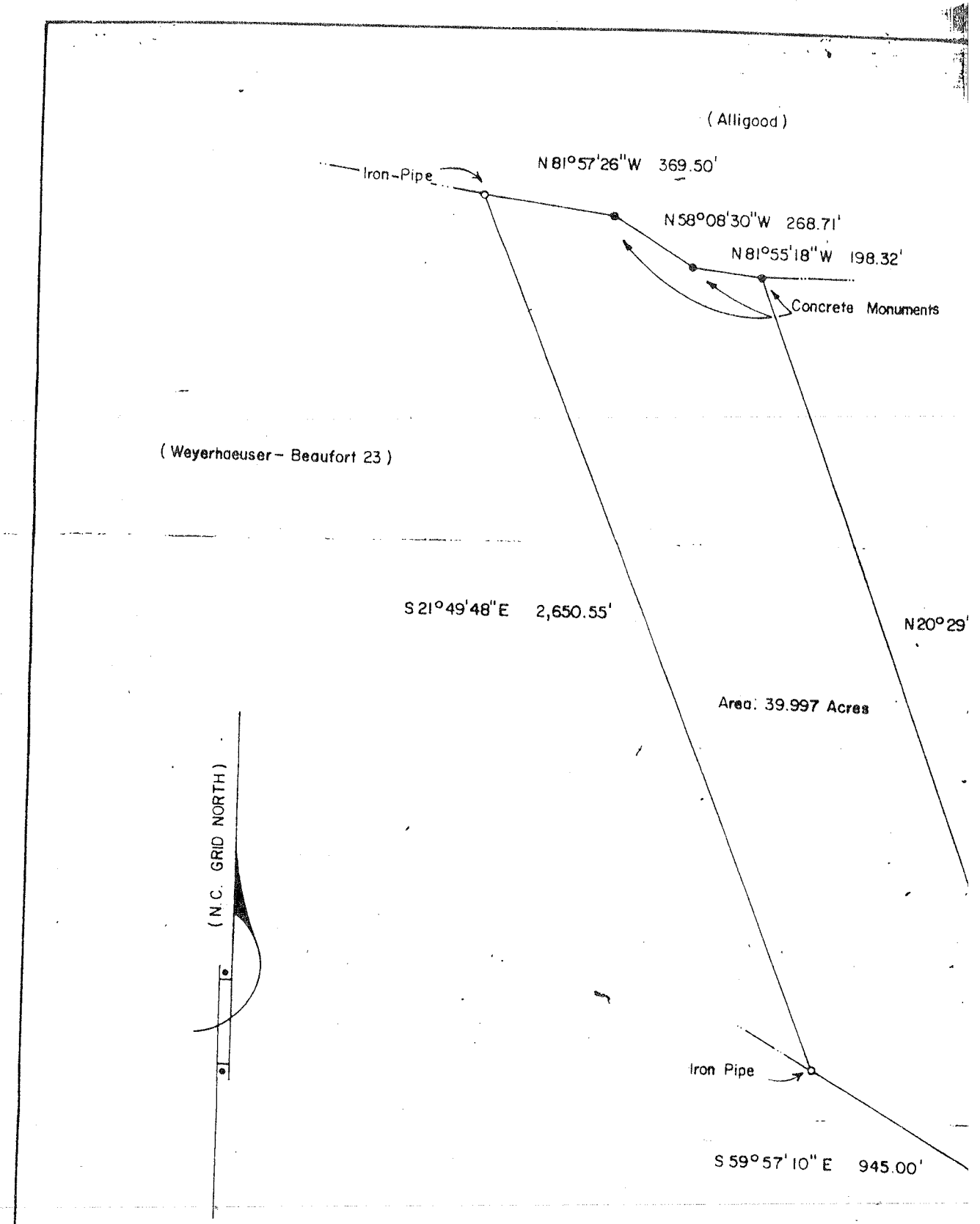
Thence South 31 degrees, 21 minutes East, 225.00 feet;

Thence South 44 degrees, 11 minutes East, 200.00 feet;

Thence South 49 degrees, 13 minutes East, 462.60 feet;

Thence South 40 degrees, 45 minutes East, 187.36 feet to the true point of beginning;

Said tract containing a total of 35.35 acres, more or less.



S 23

I, John E. Rea, HEREBY CERTIFY THAT THIS MAP WAS PREPARED, UNDER MY SUPERVISION, BY Jerome Hollowell FROM AN ACTUAL SURVEY BY Bryant Hardison, UNDER MY DIRECT SUPERVISION; THE ERROR OF ENCLOSURE, AS CALCULATED BY LATITUDES AND DEPARTURES 1:4872762, THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY HAND AND SEAL THIS 3rd DAY OF January, 1978

YR 2000

BEAUFORT COUNTY--Continued

352615077083402. Local number, NC-138; DENR Creeping Swamp Research Station well O21q2; County number, BO-192.

LOCATION.--Lat 35°26'15", long 77°08'38", Hydrologic Unit 03020202, 1 mi west of U.S. Highway 17 on State Highway 102, and 3 mi north of Wilmar. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Surficial aquifer of post-Miocene age.

WELL CHARACTERISTICS.--Drilled observation well, depth 12 ft, diameter 4 in., cased to 7 ft, screened interval from 7 to 12 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals.

DATUM.--Land-surface datum is 56.14 ft above sea level (levels by DENR). Measuring point: Top of instrument shelf, 2.61 ft above land-surface datum.

REMARKS.--Well is part of climatic-effects network.

PERIOD OF RECORD.--August 1971 to May 2000 (discontinued). August 1971 to May 1987, continuous record, mean sea level. October 1997 to May 2000, continuous record, below land surface datum.

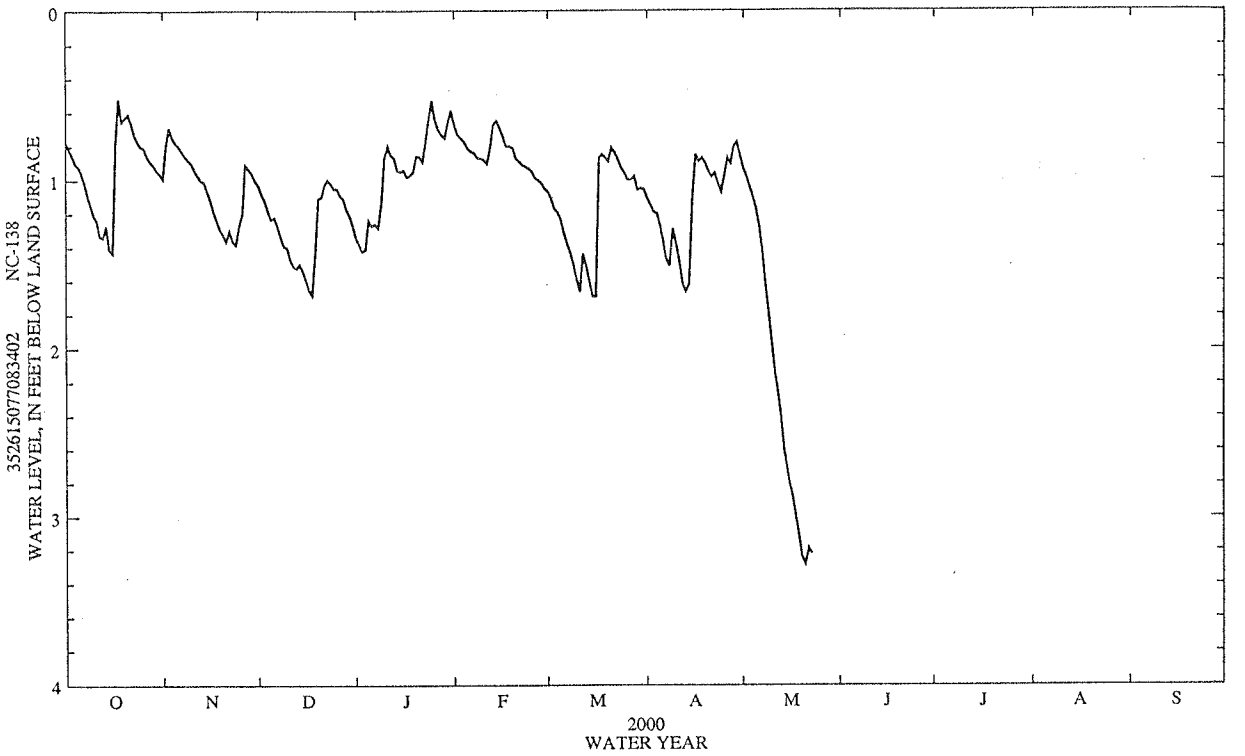
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.05 ft above land-surface datum, Apr. 26, 27, 1979; lowest water level recorded, 6.40 ft below land-surface datum, Nov. 24-27, 1978.

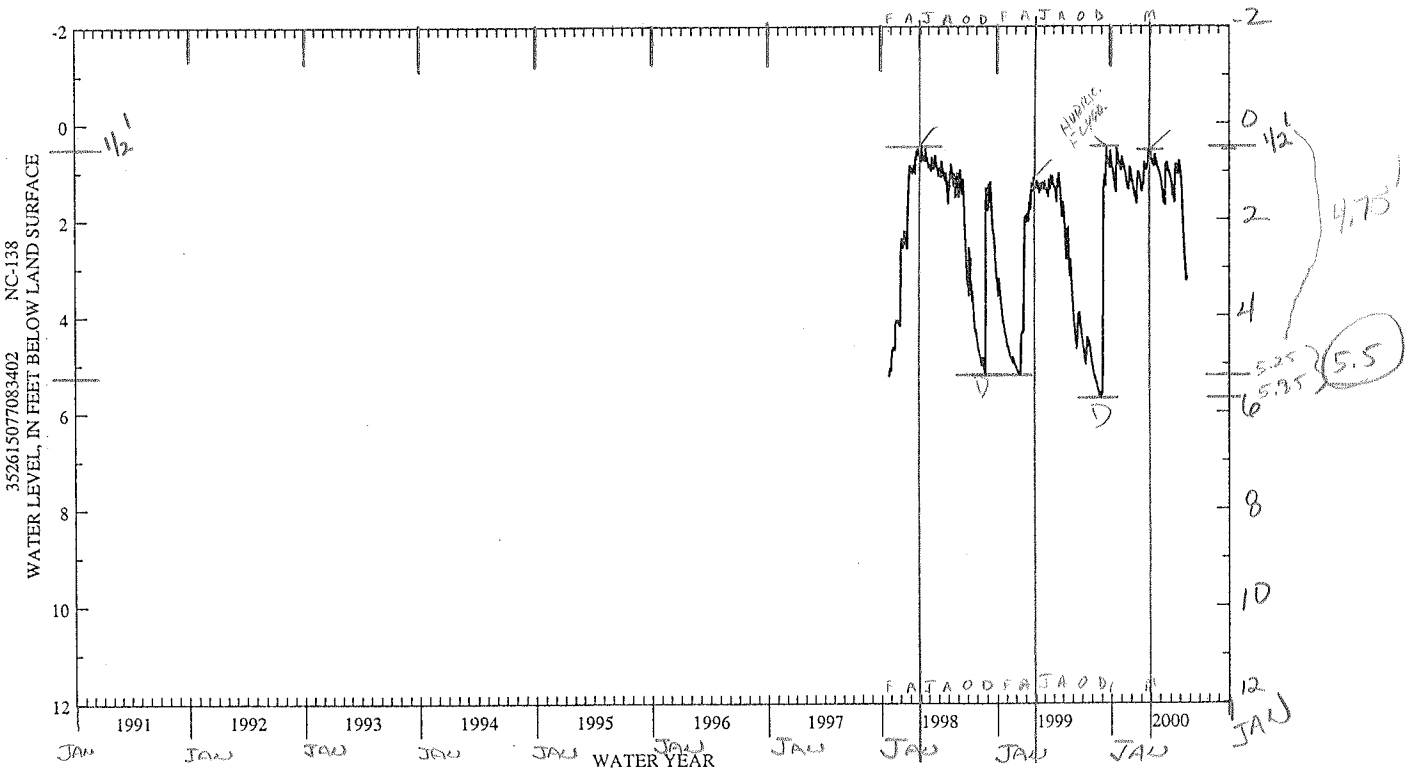
WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, FOR PERIOD OCTOBER 1999 TO MAY 2000

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	.99	1.03	1.34	.67	1.07	1.11	.93	---	---	---	---
2	.82	.80	1.08	1.38	.73	1.11	1.15	.98	---	---	---	---
3	.86	.69	1.12	1.42	.75	1.17	1.19	1.04	---	---	---	---
4	.90	.75	1.18	1.41	.77	1.19	1.20	1.10	---	---	---	---
5	.92	.78	1.23	1.24	.81	1.23	1.27	1.17	---	---	---	---
6	.96	.80	1.22	1.27	.83	1.31	1.36	1.28	---	---	---	---
7	1.02	.83	1.27	1.26	.84	1.37	1.47	1.42	---	---	---	---
8	1.09	.86	1.34	1.28	.87	1.43	1.51	1.61	---	---	---	---
9	1.15	.88	1.39	1.13	.87	1.50	1.29	1.79	---	---	---	---
10	1.21	.90	1.40	.87	.88	1.59	1.37	1.96	---	---	---	---
11	1.24	.94	1.47	.80	.90	1.66	1.48	2.14	---	---	---	---
12	1.33	.97	1.51	.85	.80	1.44	1.61	2.26	---	---	---	---
13	1.34	1.00	1.52	.87	.67	1.51	1.66	2.41	---	---	---	---
14	1.27	1.01	1.50	.94	.65	1.60	1.62	2.60	---	---	---	---
15	1.41	1.07	1.54	.95	.69	1.69	1.11	2.71	---	---	---	---
16	1.43	1.12	1.59	.94	.74	1.69	.85	2.81	---	---	---	---
17	.78	1.19	1.65	.98	.80	.87	.89	2.88	---	---	---	---
18	.52	1.24	1.68	.97	.80	.85	.87	3.00	---	---	---	---
19	.65	1.29	1.43	.95	.81	.87	.90	3.11	---	---	---	---
20	.63	1.32	1.11	.86	.87	.89	.95	3.24	---	---	---	---
21	.61	1.36	1.10	.86	.89	.81	.98	3.28	---	---	---	---
22	.66	1.30	1.03	.89	.91	.84	.96	3.19	---	---	---	---
23	.73	1.36	1.00	.78	.92	.88	1.02	3.22	---	---	---	---
24	.77	1.38	1.02	.65	.93	.93	1.07	---	---	---	---	---
25	.80	1.27	1.05	.53	.95	.96	.97	---	---	---	---	---
26	.81	1.20	1.05	.64	.99	1.00	.87	---	---	---	---	---
27	.86	.91	1.09	.70	1.00	1.00	.90	---	---	---	---	---
28	.89	.93	1.11	.73	1.02	.98	.80	---	---	---	---	---
29	.91	.96	1.17	.75	1.05	1.06	.78	---	---	---	---	---
30	.94	1.00	1.21	.66	---	1.05	.86	---	---	---	---	---
31	.96	---	1.27	.59	---	1.06	---	---	---	---	---	---

WTR YR 2000 MEAN 1.16 HIGH .52 LOW 3.28


NC-138
352615077083402
WATER LEVEL, IN FEET BELOW LAND SURFACE
0
1
2
3
4
O
N
D
J
F
M
A
M
J
J
A
S
2000
WATER YEAR


NC-138
352615077083402
WATER LEVEL, IN FEET BELOW LAND SURFACE
-2
0
2
4
6
8
10
12
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
JAN
WATER YEAR
1/2'
4.75'
5.5

	Initials	Date
Prepared By		
Approved By		

		1	2	3	4	5	6	
	WELL (FT) DEPTH	2003	GRD ELEV MSL ≈ 11		GRND. ELEV. MSL ≈ 11			
	DATE MEASURED (STATIC H_2O LEVEL)	MW-11 13.35	MW-12 16.95	MW-13 16.70	MW-14 16.25	MW-15 15.59	MW-16 15.81	
1		WELL DEPTH (1988) (18.25)	(18.21)	(18.25)	(18.46)	(18.54)	(12.21)?	1
2		(Stick-up height' 3.29	3.64	3.25	3.46	2.75	3.58	2
3								3
4		11/19/03 10.47	7.78	9.20	8.34	10.71	8.69	4
5		5/13/03 10.23	7.67	8.30	8.14	9.27	7.31	5
6								6
7	**	11/04/02 12.49	9.74	11.66	10.63	13.08	11.25	7
8		5/06/02 11.42	8.65	9.82	8.90	11.45	9.35	8
9								9
10	**	11/7/01 *12.78	10.36	11.33	10.53	12.97	11.06	10
11		5/9/01 11.84	9.28	9.97	9.22	11.57	9.58	11
12								12
13		11/6/00 11.26	9.00	9.67	9.17	11.12	9.37	13
14		5/8/00 10.31	8.23	8.69	8.62	9.77	8.22	14
15								15
16		11/24/99 10.41	8.32	9.05	8.65	10.17	8.61	16
17		5/26/99 10.49	8.46	9.37	8.62	11.09	8.83	17
18								18
19		11/11/98 10.05	8.89	9.92	9.29	11.59	9.91	19
20	*	5/12/98 *9.34	*7.02	*7.37	*7.81	*8.32	*7.07	20
21		(3.38)	(3.34)	(4.29)	(2.82)	(4.76)	(4.18)	21
22		11/14/97 10.64	8.49	8.00	8.69	12.50	9.89	22
23		5/20/97 10.71	8.38	9.36	8.65	11.28	8.94	23
24								24
25		11/14/96 9.97	7.73	8.74	8.45	10.25	8.28	25
26		5/21/96 11.11	8.74	9.59	8.73	11.24	7.79	26
27								27
28		11/9/95 10.39	8.31	9.55	8.68	11.35	9.24	28
29		5/22/95 11.31	8.97	9.67	8.87	11.38	9.20	29
30								30
31		11/3/94 11.68	9.47	10.75	9.67	12.92	10.65	31
32		5/24/94 11.88	9.38	10.19	9.59	11.97	10.01	32
33								33
34		11/3/93 11.78	9.63	10.98	9.81	13.06a	10.62	34
35		5/11/93 11.44	9.18	9.57	9.24	11.34	9.28	35
36								36
37		5/21/92 11.60	9.48	10.73	10.18	13.18	10.48	37
38		5/16/91 11.91	9.75	10.00	9.58	11.83	9.75	38
39		5/17/90 DRY	9.17	10.00	9.00	12.17	9.67	39
40		5/18/89 DRY	9.25	9.50	8.50	11.31	9.60	40
		5/19/88 (12.21)	9.50	9.83	9.88	11.71	9.29	

AVG = 3.80

BOYNE HIGHLANDS RESORT (ROSS), Harbor Springs, Michigan

PROPOSED GOLF AREA = 10'MSL. (2'-3' OF GOLF AREA.

MW-12: 7.02' FROM TOP OF WELL
3.64' GROUND SURFACE TO TOP OF WELL
3.38' SHWT FROM GRND.

= 11.00 MSL EQUAL @ GROUND ELEV. @ WELL
USHWT. ELEV. = 11.00 − 3.38 = 7.62'MSL.

MW-14: 7.81' FROM TOP OF WELL
3.46' GROUND SURFACE TO TOP OF WELL
4.35 SHWT FROM GRND.

= 11.00 MSL EQUAL GROUND ELEV @ WELL
USHWT ELEV = 11 − 4.35' = 6.65'MSL.

UNDISTURBED WOODS

S 20°-29'E - 2895.32'

PROPOSED DITCH

W-9 W-10

N 86°-51'W - 1170.15'

SEDIMENTATION BASIN

PROPOSED DITCH

W-8

N 50°-25'E -

UNDISTURBED WOODS

W-7

ALL ROADWAYS 40'

FENCE

UTILITY AREA

EXISTING DITCH

D. D. ALLIGOOD

LANDFILL STARTING POINT

TEXASGULF INC.

PROPOSED DITCH

W-6 W-5 W-4 W-3 W-2 W-1

UNDISTURBED WOODS

UNDISTURBED WOODS

1.2 MI. TO N.C. 92

S.R. 1334 (UNPAVED) 60' R/W

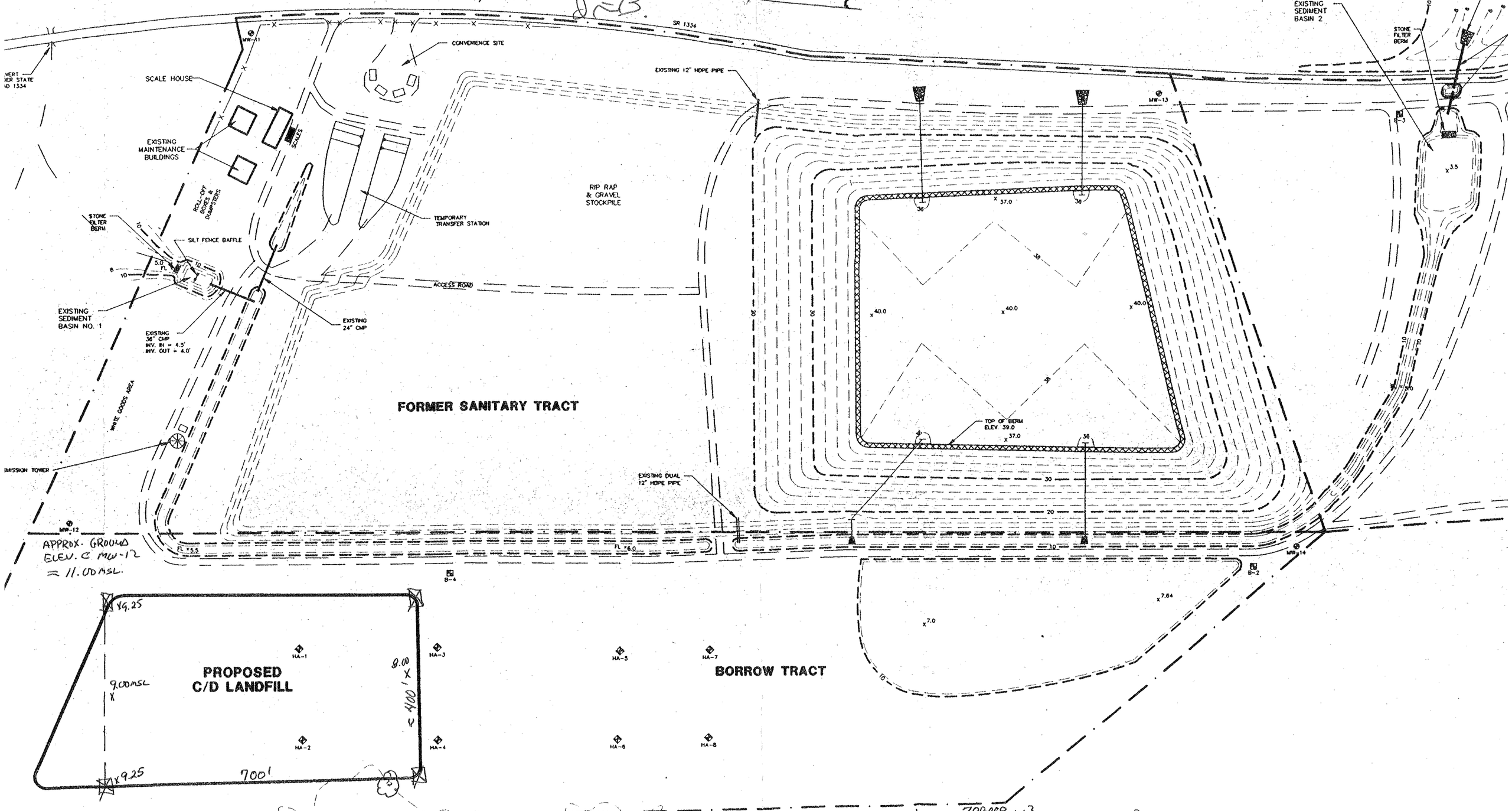
N19°-34'W-507.42' N14°-58'W 150.0' N12°-06'W-694.13' N16°-45'W-300.0' N21°-23'W-447.04'

CERCLA

⊖ W-0 TEST WELL	BEAUFORT COUNTY LANDFILL No 2 SITE PLAN	
ADD- 12-1-79	SCALE 1" = 200'	DATE JAN. 26, 1978
E.W. BONNER	DWG BY. J. CHALLIS	CHECKED E.W. BONNER

4/20/04.

NORTH



① $700' \times 400' = \frac{280{,}000\ ft^2}{43{,}560\ ft^2} = 6.43$ ACRES

② ASSUME ELEV 11.50 OVER BORROW AREA.

③ LIMIT EXCAVATION TO ELEV. 9.00 MSL @ NORTH SIDE AND LIMIT EXCAVATION TO 8.00 MSL @ SOUTH SIDE TO DIRECT SURFACE WATER INTO EXISTING BORROW AREA.

④ CONTACT LAND QUALITY ABOUT E&S PLAN FOR LAND DISTURBANCE

⑤ VOL. OF SOIL AVAILABLE: $280{,}000\ ft^2 \times$ (AVG. CUT OF 2.50') $= \frac{700{,}000\ ft^3}{27\ ft^3/yd^3} = 25{,}900\ yd^3$

⑥ USE 18" OF SOIL OVER WASTE, 12" OF COMPACTED SOIL 6" OF TOPSOIL.