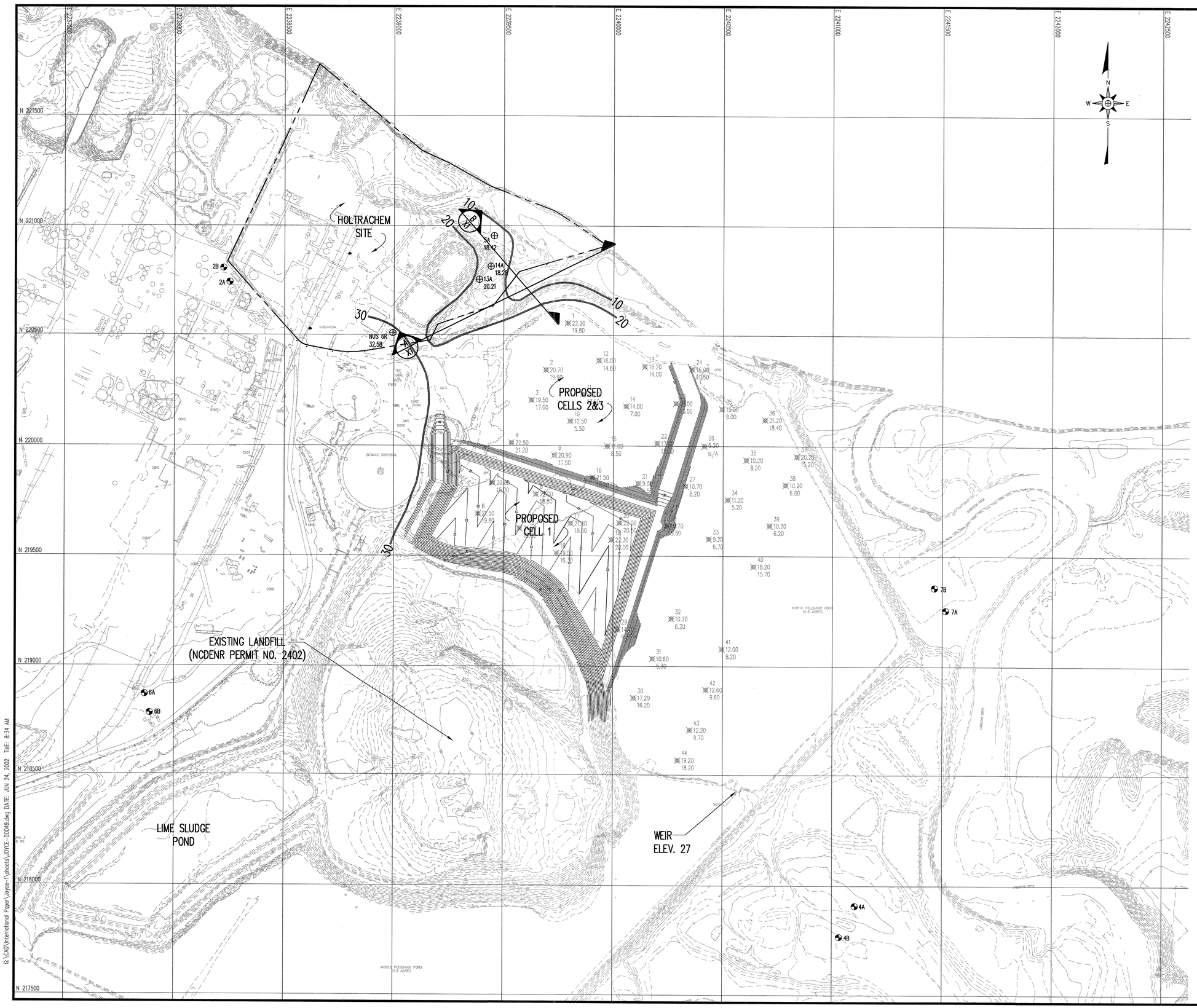
2402Map2002 - Batch No.___

2402 Maps

3 Columbus Co.



LEGEND

- 10' EXISTING GROUND CONTOUR
- 2' EXISTING GROUND CONTOUR
- PRE-LANDFILL CONSTRUCTION GROUND WATER SURFACE CONTOUR (10' INTERVAL) (SEE REFERENCE 5)
- PROPERTY LINE
- TREE LINE
- STREAM OR POND
- SWAMP
- FENCE LINE
- UTILITY POLE
- AERIAL SURVEY MONUMENT
- 3B EXISTING MONITORING WELL
- 14A HOLTRACHEM MONITORING WELL (SEE NOTE 1)
- POINT NUMBER / SLUDGE ELEV. / SOIL ELEV. — SLUDGE SOUNDING LOCATION

NOTES

1. HOLTRACHEM MONITORING WELL LOCATIONS ARE APPROXIAMTE.
2. ELEVATIONS SHOWN IN CELL 1 ARE TOP OF UNDERDRAIN SYSTEM AND ESTIMATED WATER TABLE.

REFERENCES

1. THIS MAP COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED 3/14/01 BY AIR SURVEY CORPORATION, 45180 BUSINESS COURT, DULLES, VIRGINIA 20166-6706 AS PROVIDED BY INTERNATIONAL PAPER COMPANY.
   HOLTRACHEM PROPERTY LINE UPDATED BY BRUNSWICK SURVEYING, INC. 1027 SABBATH HOME ROAD, S.W., SUPPLY, N.C., APRIL 2002.
2. COORDINATE SYSTEM IS NORTH CAROLINA STATE PLANE GRID, 1983, US FEET.
3. ELEVATIONS ARE IN FEET AND REFERENCED TO MEAN SEA LEVEL (MSL) NATIONAL GEODETIC VERTICAL DATUM (NGVD).
4. PLANT ELEVATION DATUM 0.00 FEET IS REPORTED BY McKIM & CREED (REFERENCE DAVID B. GOLDSTONE, JR., REGISTERED SURVEYOR, WHITEVILLE, NC) TO BE EL. -3.76 NGVD; THUS, EL. 43.76 PLANT DATUM = EL. 40.00 NGVD.
5. HOLTRACHEM GROUND WATER DATA FROM 6/28/99 (THE MOST RECENT DATA AVAILABLE FROM NCDENR FILE REVIEW).

0 200' 400' 600'

JUL 2002 Received

NO.	DATE	REVISION

G.N. RICHARDSON & ASSOCIATES, INC.
Engineering and Geological Services
425 N. BOYLAN AVENUE RALEIGH, N.C. 27603
PHONE-919-828-0577 FAX-919-828-3899 WWW.GNRA.COM

SEAL

SEAL

PROJECT TITLE: INTERNATIONAL PAPER COLUMBUS COUNTY, NC INDUSTRIAL LANDFILL

DRAWING TITLE: PRE-LANDFILL CONSTRUCTION POTENTIOMETRIC SURFACE MAP

DESIGNED BY: J.A.S.	DRAWN BY: C.T.J.
CHECKED BY: G.N.R.	PROJECT NO.: JOYCE-1
SCALE: AS SHOWN	DATE: JUNE 2002
FILE NAME: JOYCE-D0049	
SHEET NO. 1	DRAWING NO. S1

G:\CAD\International Paper\Joyce-1\sheets\JOYCE-D0049.dwg DATE: JUN 24, 2002 TIME: 8:34 AM

LEGEND

40	10' EXISTING GROUND CONTOUR
	2' EXISTING GROUND CONTOUR
	POST-LANDFILL CONSTRUCTION GROUND WATER SURFACE CONTOUR (10' INTERVAL) (SEE REFERENCE 5)
	DIRECTION OF GROUND WATER FLOW
	PROPERTY LINE
	TREE LINE
	STREAM OR POND
	SWAMP
	FENCE LINE
	UTILITY POLE
	AERIAL SURVEY MONUMENT
3B	EXISTING MONITORING WELL
14A	HOLTRACHEM MONITORING WELL (SEE NOTE 1)
1 / 22.20 / 19.80	POINT NUMBER / SLUDGE ELEV. / SOIL ELEV. — SLUDGE SOUNDING LOCATION

NOTES

1. HOLTRACHEM MONITORING WELL LOCATIONS ARE APPROXIAMTE.
2. ELEVATIONS SHOWN IN CELL 1 ARE TOP OF UNDERDRAIN SYSTEM AND ESTIMATED WATER TABLE.

REFERENCES

1. THIS MAP COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED 3/14/01 BY AIR SURVEY CORPORATION, 45180 BUSINESS COURT, DULLES, VIRGINIA 20166-6706 AS PROVIDED BY INTERNATIONAL PAPER COMPANY.
   HOLTRACHEM PROPERTY LINE UPDATED BY BRUNSWICK SURVEYING, INC. 1027 SABBATH HOME ROAD, S.W., SUPPLY, N.C., APRIL 2002.
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5. HOLTRACHEM GROUND WATER DATA FROM 6/28/99 (THE MOST RECENT DATA AVAILABLE FROM NCDENR FILE REVIEW).

0 200' 400' 600'

JUL 2002
Received
Solid Waste Section

G.N. RICHARDSON & ASSOCIATES, INC.
Engineering and Geological Services
425 N. BOYLAN AVENUE RALEIGH, N.C. 27603
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NO.	DATE	REVISION

SEAL

SEAL

PROJECT TITLE: INTERNATIONAL PAPER COLUMBUS COUNTY, NC INDUSTRIAL LANDFILL

DRAWING TITLE: POST-LANDFILL CONSTRUCTION POTENTIOMETRIC SURFACE MAP

DESIGNED BY: J.A.S.	DRAWN BY: C.T.J.
CHECKED BY: G.N.R.	PROJECT NO.: JOYCE-1
SCALE: AS SHOWN	DATE: JUNE 2002
FILE NAME: JOYCE-D0050	
SHEET NO. 2	DRAWING NO. S2

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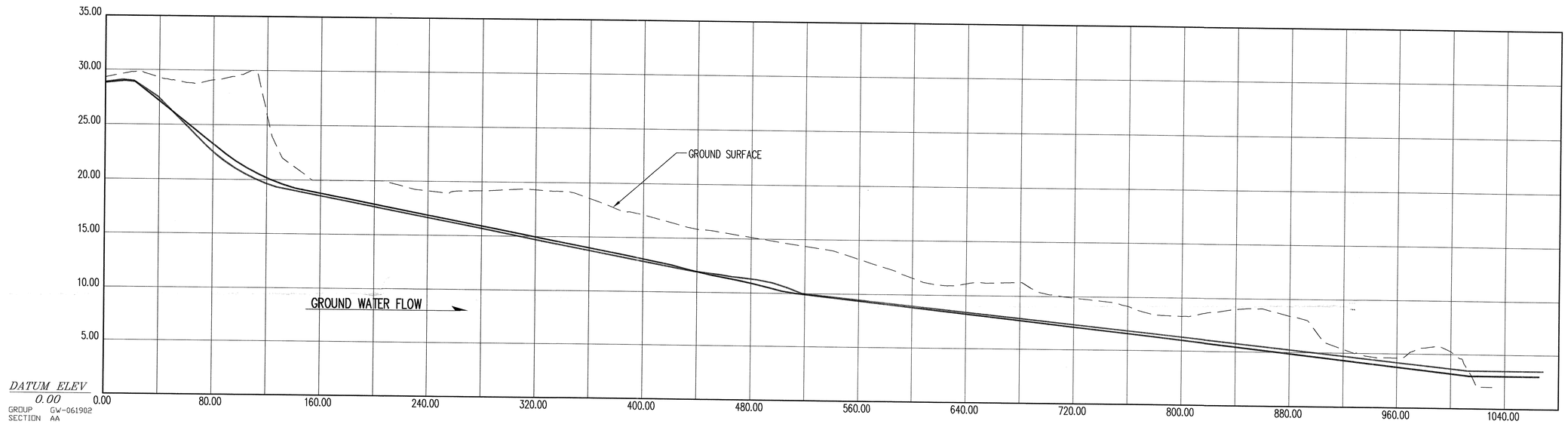
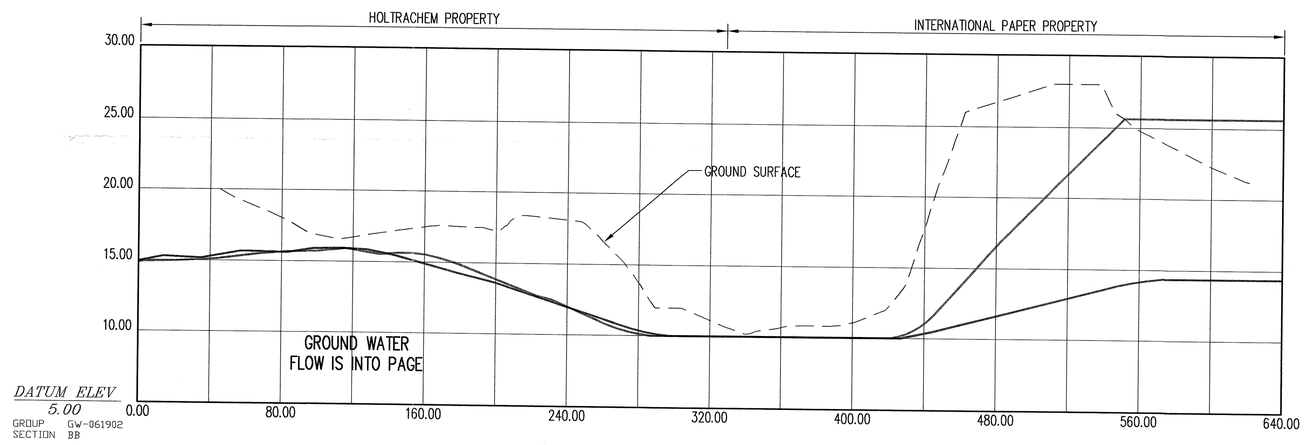


SECTION A–A (A / X1)



SECTION B–B (B / X1)

LEGEND

- EXISTING GROUND
- PRE–LANDFILL CONSTRUCTION GROUND WATER SURFACE CONTOUR
- POST–LANDFILL CONSTRUCTION GROUND WATER SURFACE CONTOUR

15' 10' 5' 0
1" = 5' VERT.

0 40' 80' 120'
1" = 40'

JUL 2002
Received
Solid Waste Section

REVISION		
	NO.	DATE

G.N. RICHARDSON & ASSOCIATES, INC.
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425 N. BOYLAN AVENUE RALEIGH, N.C. 27603
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SEAL

SEAL

PROJECT TITLE: INTERNATIONAL PAPER COLUMBUS COUNTY, NC INDUSTRIAL LANDFILL

DRAWING TITLE: CROSS SECTIONS A–A & B–B

DESIGNED BY: J.A.S.	DRAWN BY: C.T.J.
CHECKED BY: G.N.R.	PROJECT NO.: JOYCE–1
SCALE: AS SHOWN	DATE: JUNE 2002
FILE NAME: JOYCE–D0051	
SHEET NO. 3	DRAWING NO. X1

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