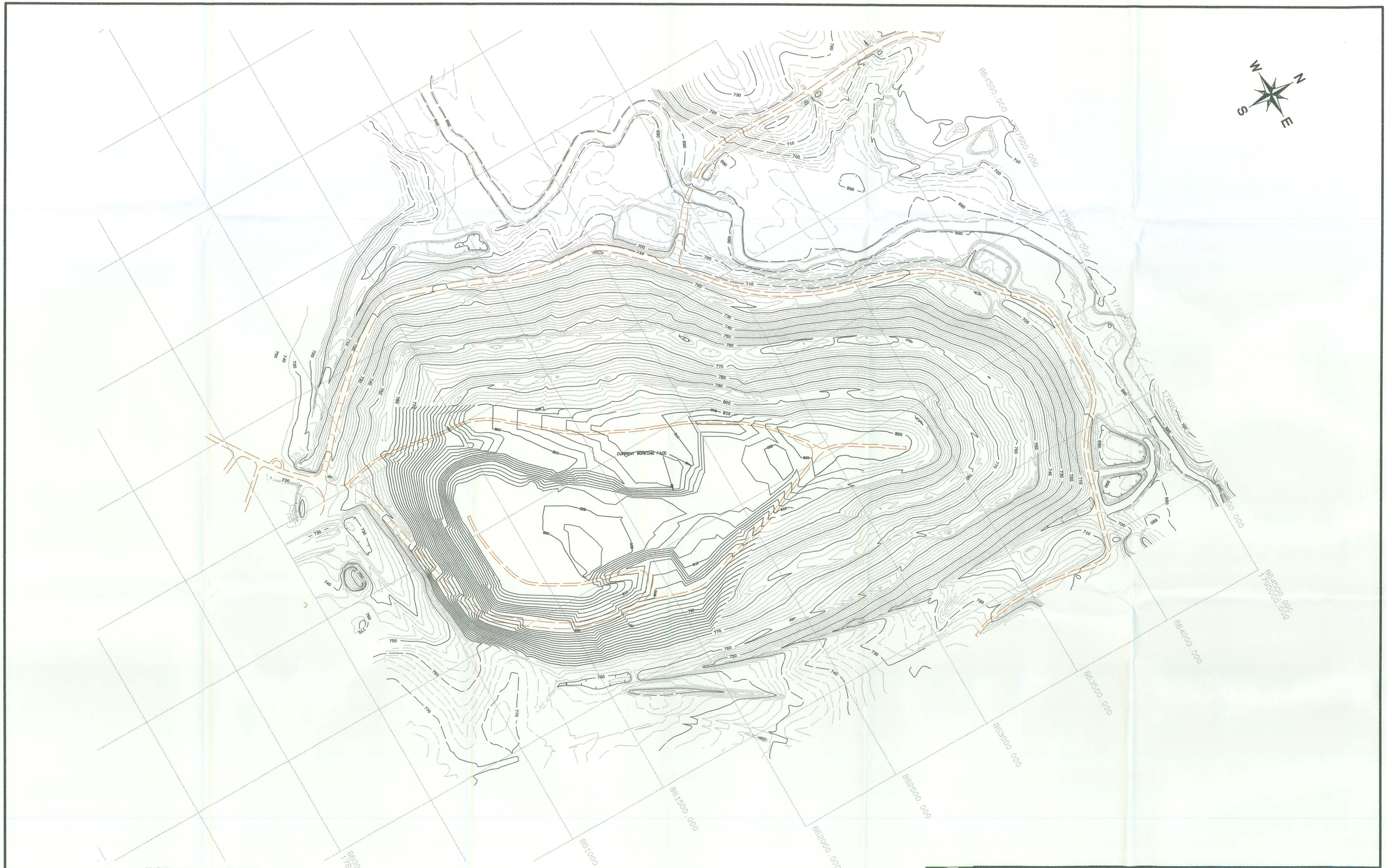
DATE 06-17-2008	CITY OF GREENSBORO ENVIRONMENTAL SERVICES DEPARTMENT SOLID WASTE MANAGEMENT DIVISION	CD – 77B
SURVEYED BY		SHEET NO.
DESIGNED BY	WHITE STREET LANDFILL FACILITY	
DRAWN BY DS BOST	C&D LANDFILL FOOTPRINT IN PHASE II CLOSED MSWLF	OF
CHECKED BY		

PROJECT FILENAME CD77B PLOT FILENAME: CD77B.PLT



DATE 6-2-2008	CITY OF GREENSBORO ENVIRONMENTAL SERVICES DEPARTMENT SOLID WASTE MANAGEMENT DIVISION	CD – 78B
SURVEYED BY COG/KIMBALL ASSOC.		SHEET NO.
DESIGNED BY	PHASE II CONSTRUCTION AND DEMOLITION LANDFILL EXISTING CONDITIONS AS OF 5-5-2008	OF
DRAWN BY DS BOST		
CHECKED BY		

PROJECT FILENAME: CD-78B1 PLOT FILENAME: CD-78B1

HDR

HDR Engineering, Inc. of the Carolinas

128 S Tryon Street, Suite 1400 | Charlotte, NC 28202

ISSUE	DATE	DESCRIPTION
A	06/2008	ISSUED FOR APPROVAL

PROJECT MANAGER	E. SHUFFLER, P.E.
DESIGN ENG.	M.PLUMMER, P.E.
Q.C.	
CADD	G.M.WILLIAMS, E.I.
PROJECT NUMBER	000000000045265

NORTH CAROLINA PROFESSIONAL SEAL 025495 ENGINEER MICHAEL D. PLUMMER 6/19/08

GREENSBORO PHASE II C & D LANDFILL

Greensboro North Carolina

FILLING PLAN LIFT 1

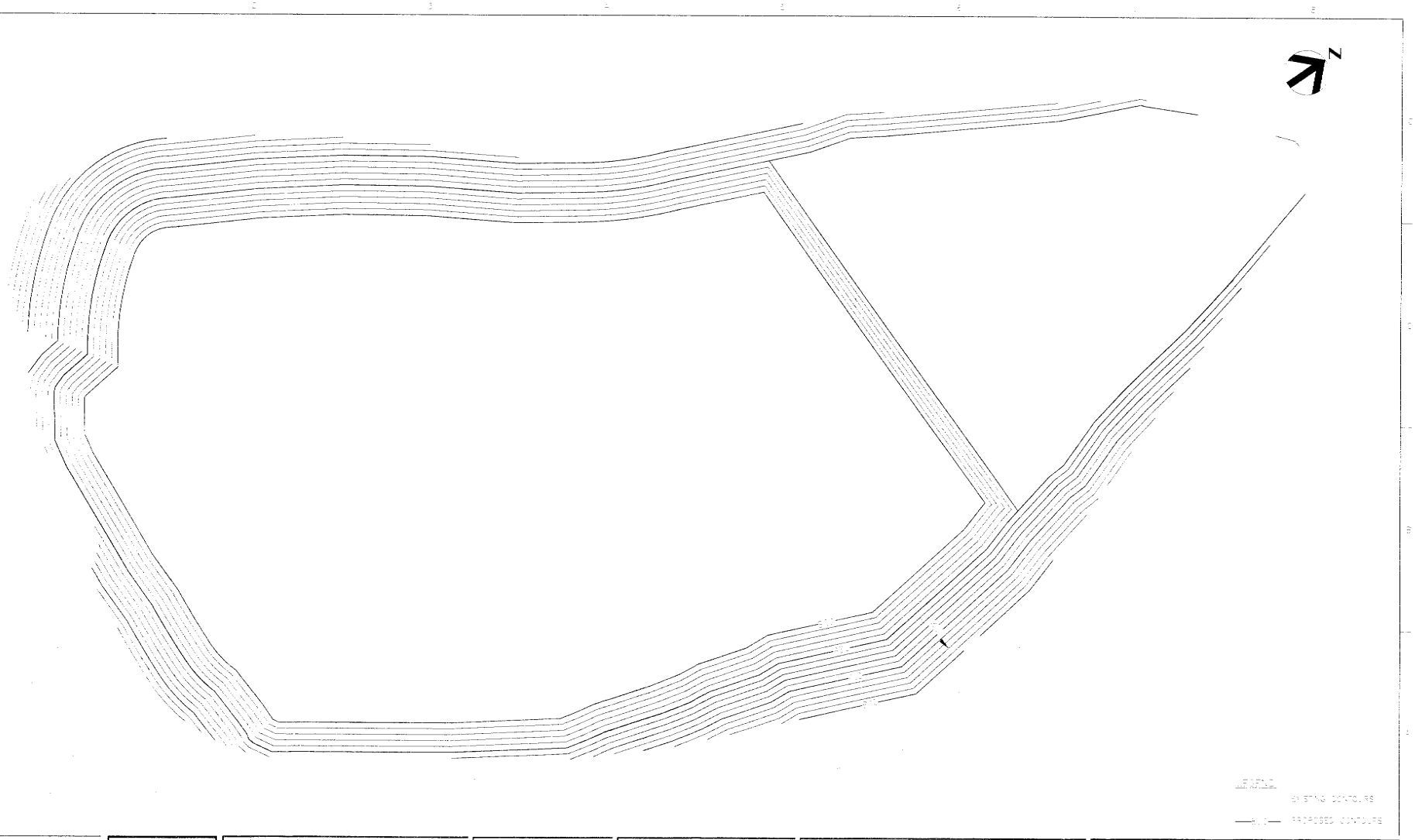
0 1" 2"

FILENAME	00C-01.dwg
SCALE	1"=60'

SHEET C-01

C:\PWworking\TPA\d1192\28000C-01.dwg, Plot: 6/19/2008 5:18:24 PM, gwilliams

3



HDR

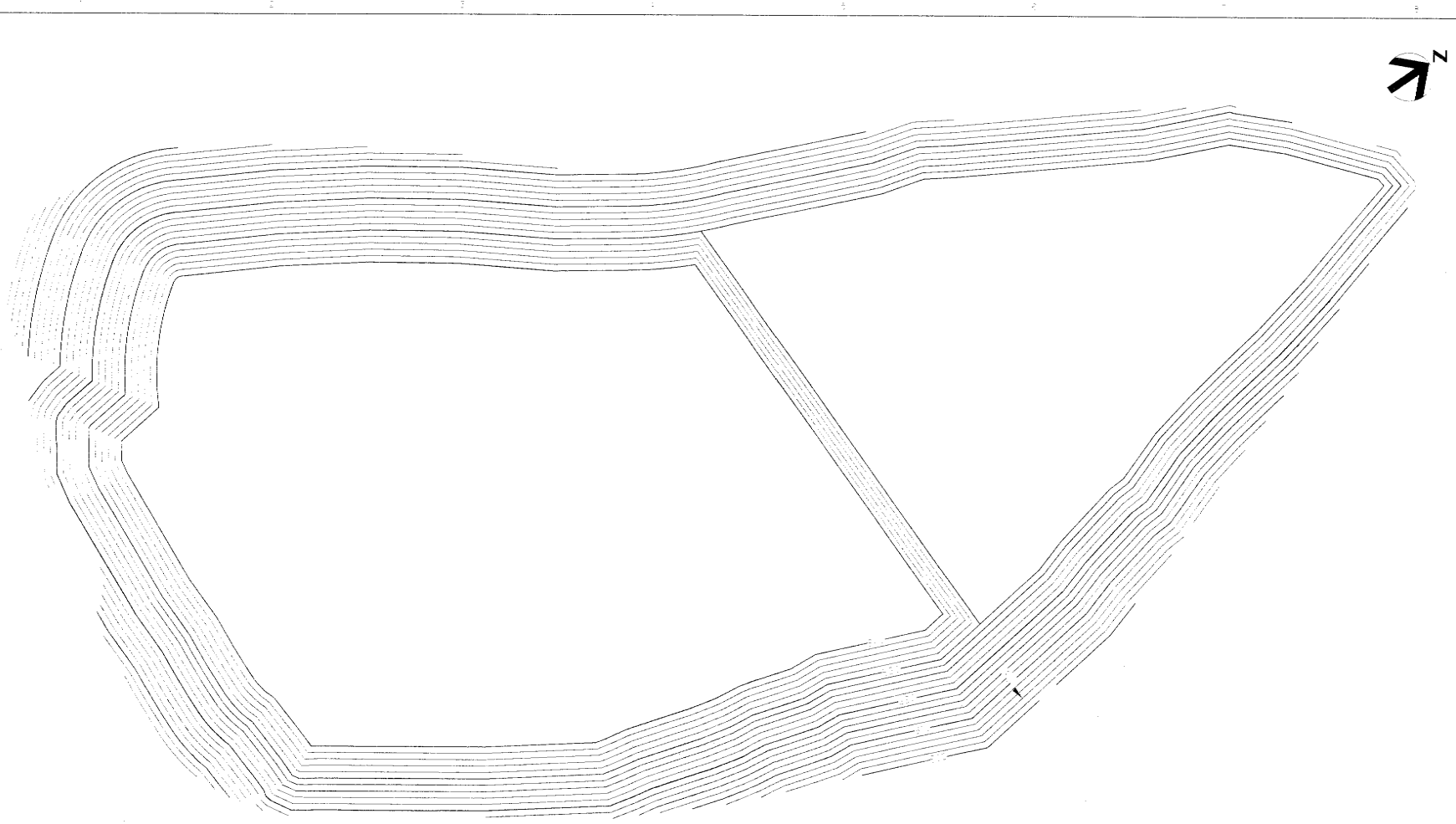
HDR Engineering, Inc.
of the Carolinas

GREENSBORO PHASE II
C & D LANDFILL

Greensboro North Carolina

FILLING PLAN
LIFT 2

C-02



HDR

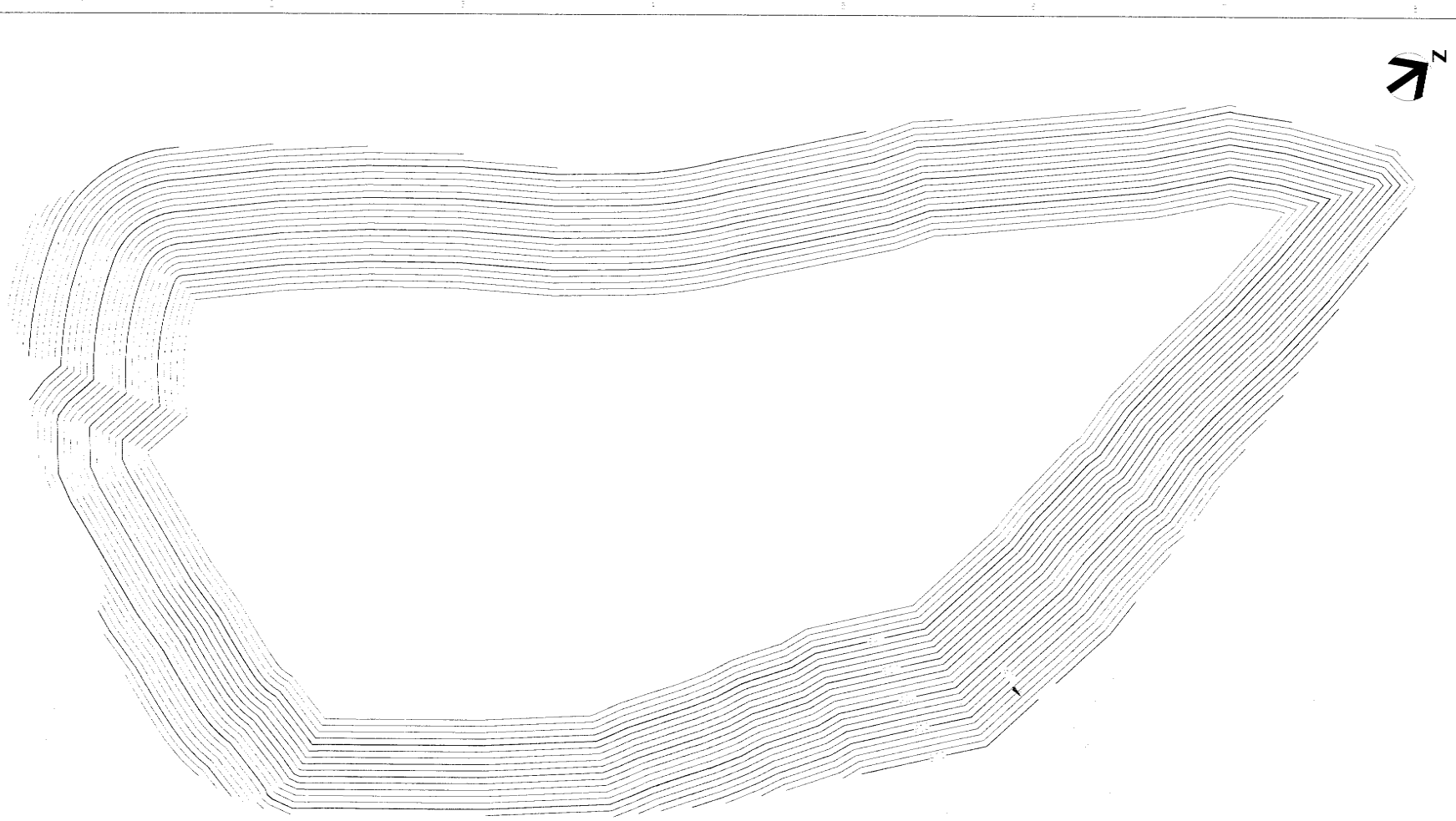
HDR Engineering Inc.
Wilmington

GREENSBORO PHASE II
C & D LANDFILL

Greensboro North Carolina

FILLING PLAN
LIFT 3

SHEET
C-03



LEGEND:

EXISTING CONTOURS

PROPOSED CONTOURS

HDR

HDR Engineering, Inc.
of the Carolinas

1616 Tyvola Road, Suite 400 Charlotte, NC 28210

REV.	DATE	DESCRIPTION

PROJECT NUMBER: 91-EN-F-FILE
PROJECT MANAGER: [illegible]
DESIGNED BY: [illegible]
DRAWN BY: [illegible]
CHECKED BY: [illegible]

NORTH CAROLINA PROFESSIONAL SEAL 2408 ENGINEER

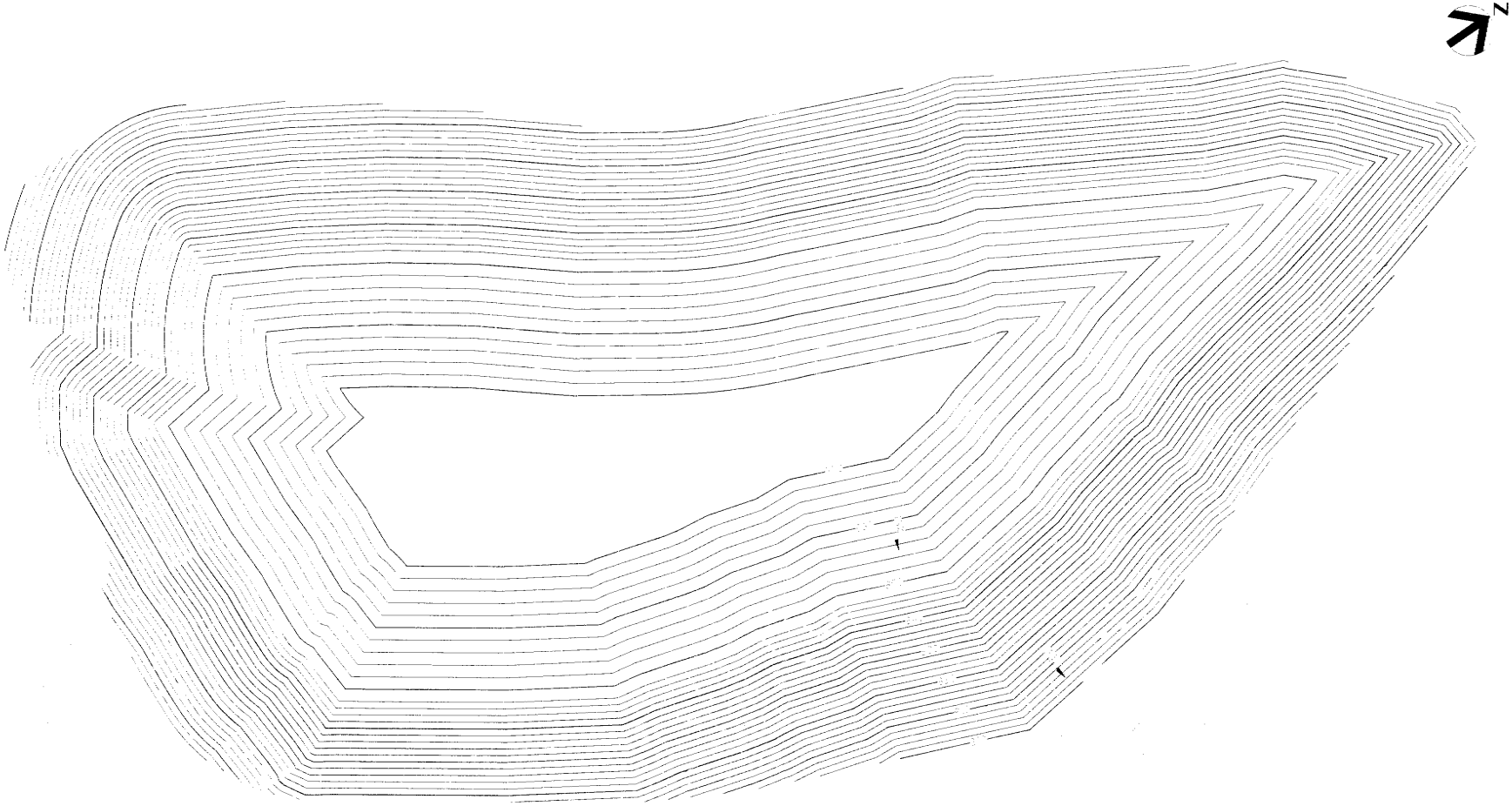
GREENSBORO PHASE II
C & D LANDFILL

Greensboro North Carolina

FILLING PLAN
LIFT 4

PLOT DATE: [illegible]
SCALE: [illegible]

SHEET
C-04



LEGEND

EXISTING CONTOURS

PROPOSED CONTOURS

HDR

HDR Engineering, Inc.
of the Carolinas

REVISIONS

DATE | DESCRIPTION

NORTH CAROLINA PROFESSIONAL SEAL 25506 ENGINEER

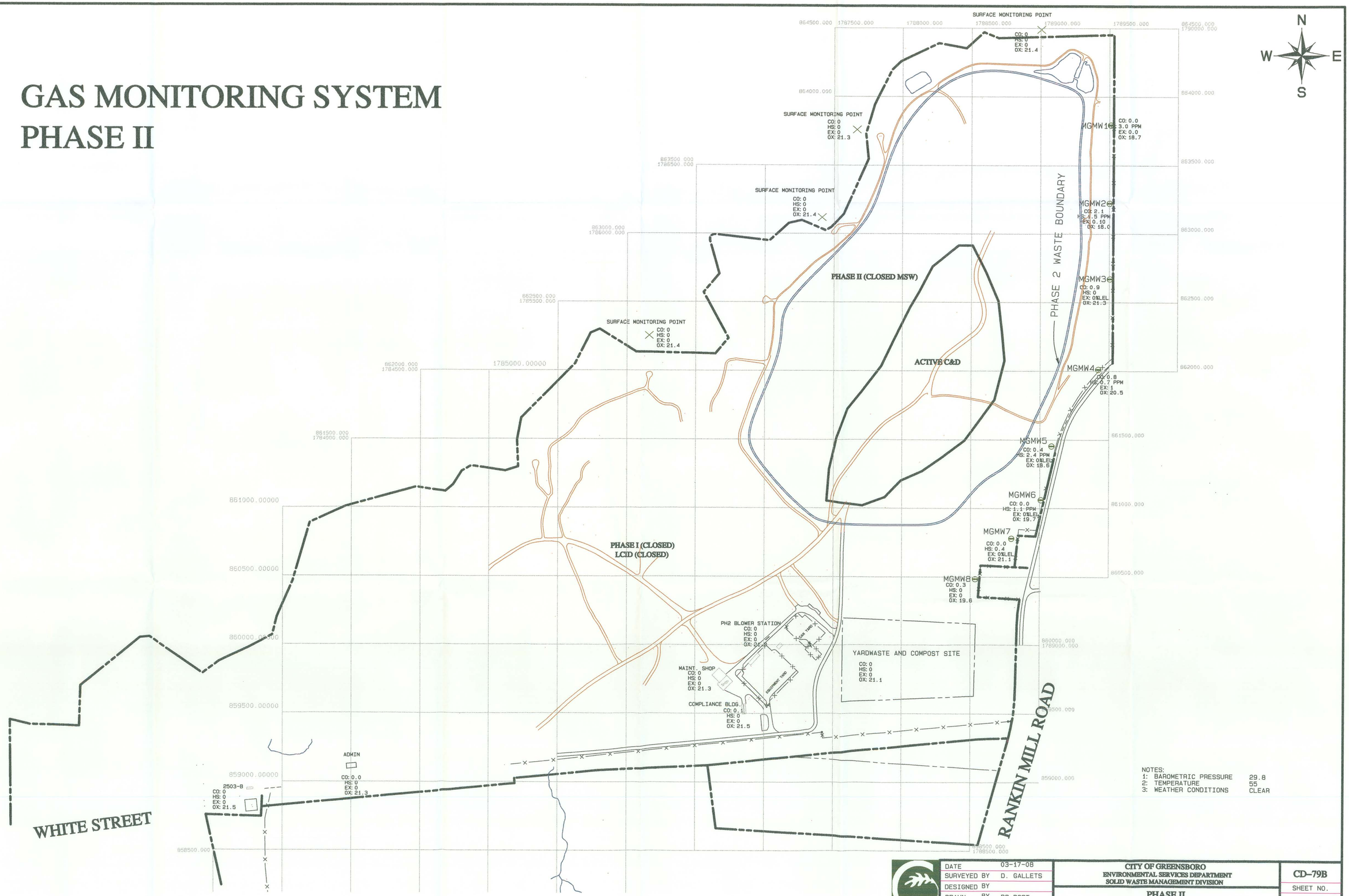
GREENSBORO PHASE II
C & D LANDFILL

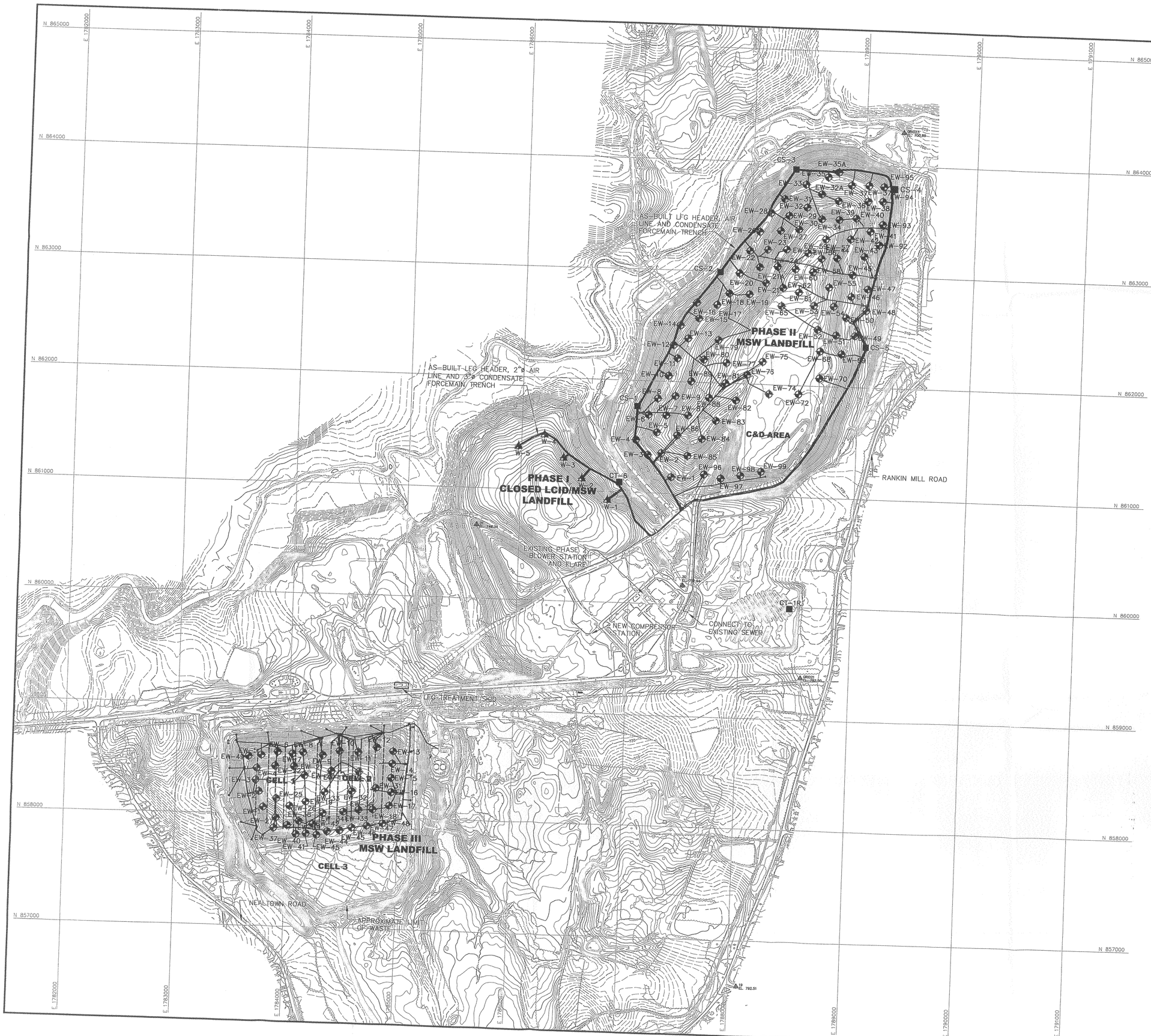
Greensboro North Carolina

FILLING PLAN
LIFT 5

SHEET
C-05

GAS MONITORING SYSTEM
PHASE II





N

0 400 800 1200
SCALE IN FEET

LEGEND

W-1	AS-BUILT PH. I LANDFILL GAS EXTRACTION WELL
EW-13	AS-BUILT PH. II LANDFILL GAS EXTRACTION WELL
R-72	AS-BUILT REMOTE LANDFILL GAS EXTRACTION WELLHEAD
	AS-BUILT LFG HEADER PIPE
	EXISTING LFG HEADER PIPE
	AS-BUILT 2" HDPE (SDR-11)AIR LINE
	AS-BUILT LFG CONDENSATE FORCEMAIN
CS-5	AS-BUILT CONDENSATE SUMP AND PUMP
V-2	AS-BUILT LFG ISOLATION VALVE
V-A1	AS-BUILT AIR RELEASE VALVE
	ROAD CROSSING
	REDUCER SIZE VARIES
	SURVEY CONTROL POINT

REFERENCE:

1. TOPOGRAPHIC MAPPING WAS PROVIDED BY KIMBALL ASSOCIATES, P.A., OF EDENSBURG, PA. DATE OF AERIAL SURVEY APRIL 21, 2005.

2. COMPILATION OF LFG SYSTEM PIPING WAS PROVIDED BY DUKE ENGINEERING & SERVICES, CHARLOTTE, NC.

3. WELL LOCATIONS ARE FROM A SURVEY CONDUCTED BY THE CITY OF GREENSBORO, NC. SURVEY CONDUCTED IN JULY 2006.

AS-BUILT JANUARY 2008

NO.	REVISION	DATE

SHEET TITLE: PHASES II & III LFG SYSTEM MODIFICATIONS

PROJECT TITLE: WHITE STREET LANDFILL PHASES I, II & III LFG SYSTEM EXPANSION - 2007

CLIENT: CITY OF GREENSBORO ENVIRONMENTAL SERVICES DEPT. 2503 WHITE STREET GREENSBORO, NC 27402-3136

SCS ENGINEERS, PC
2520 WHITEHALL PARK DRIVE, SUITE 450
CHARLOTTE, NORTH CAROLINA 28273
PHONE: (704) 504-3107 FAX: (704) 504-3174

PROJ. NO. 02203314.03 | DWN. BY: BJD | Q/A RVW BY: BJD
DSN. BY: SCL | CHK. BY: LKH | APP. BY: SCL

CADD FILE: 3layout
DATE: JAN. 2007
SCALE: 1"=400'
DRAWING NO. 1 of 3

9

NOTES:
1. TOPOGRAPHICAL INFORMATION FROM AERIAL SURVEY APRIL 11, 2005.

OUTFALL #	DRAINAGE AREA OF INFLUENCE
#001	67 ACRES
#002	28 ACRES
#003	30 ACRES
#004	137 ACRES
#005	423 ACRES
#006	111 ACRES

BUILDINGS AND ACTIVITIES FOR FIGURE 1
CITY OF GREENSBORO – WHITE STREET LANDFILL
STORM WATER POLLUTION PREVENTION PLAN

SITE (LETTER)	BUILDING OR ACTIVITY
A	COMPLIANCE OFFICE
B	SCALE HOUSE
C	CONVENIENCE CENTER
D	LEACHATE STORAGE
E	POSISHELL STORAGE (WASTE COVERING MATERIAL)
F	PHASE III LANDFILL GAS COLLECTION SYSTEM
G	MAINTENANCE SHOP
H	OPERATIONS BUILDING
I	EQUIPMENT STORAGE YARD
J	FUEL ISLANDS
K	PHASE II LANDFILL GAS COLLECTION SYSTEM
L	PHASE III - ACTIVE MSW DISPOSAL
M	PHASE I - CLOSED MSW, CLOSED LCID
N	PHASE II, CLOSED MSW, ACTIVE C&D DISPOSAL
O	ACTIVE COMPOST OPERATION
P	MAINTENANCE SHED
Q	PHASE III BORROW AREA - ACTIVE

NOTE:
1: TOPO UPDATED MARCH, 2007

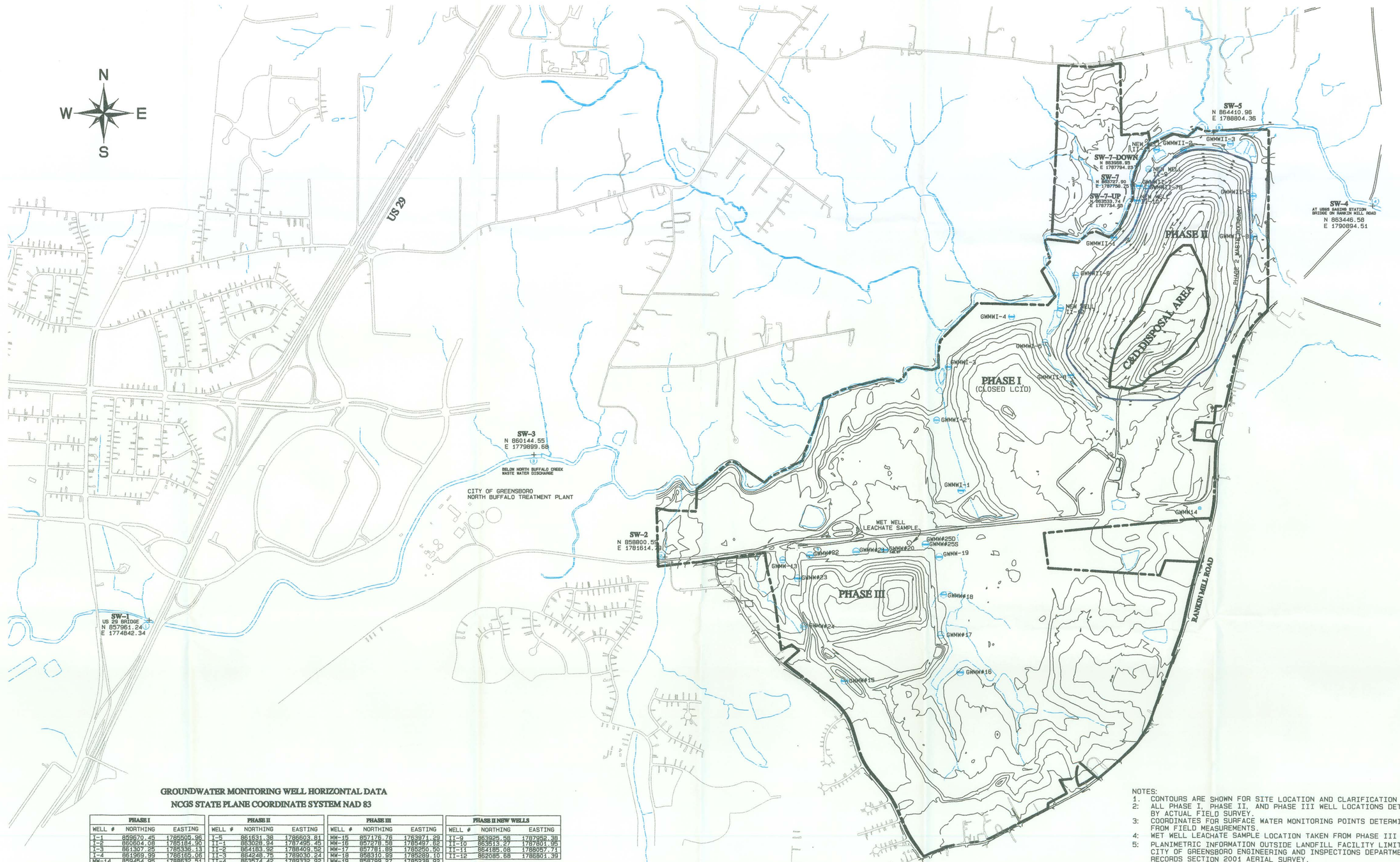
DATE	3-18-2008 (12-20-2005)
SURVEYED BY	DS BOST
DESIGNED BY	
DRAWN BY	DS BOST
CHECKED BY	G. THOMASSON

CITY OF GREENSBORO
ENVIRONMENTAL SERVICES DEPARTMENT
SOLID WASTE MANAGEMENT DIVISION

STORM WATER POLLUTION PREVENTION PLAN
SITE MAP

CD-80B
SHEET NO.
___ OF ___

PROJECT FILENAME: SWPPP.PRO PLOT FILENAME: SWPPP.PLT



GROUNDWATER MONITORING WELL HORIZONTAL DATA
NCGS STATE PLANE COORDINATE SYSTEM NAD 83

PHASE I

WELL #	NORTHING	EASTING
I-1	859670.45	1785505.96
I-2	860804.08	1785184.90
I-3	861307.25	1788336.13
I-4	861969.99	1788165.06
MW-14	859454.95	1788632.51

PHASE II

WELL #	NORTHING	EASTING
I-5	861631.38	1786603.81
II-1	863028.94	1787495.45
II-2	864183.92	1788409.52
II-3	864248.75	1789030.24
II-4	863574.42	1789332.92
II-5	863034.50	1789345.88
II-6	862526.39	1787003.60
II-7	863703.53	1787823.86
II-7B	863668.70	1787926.50
II-8	861208.96	1788938.47
MW-13	858765.03	1783166.08
MW-14	859454.95	1785632.51

PHASE III

WELL #	NORTHING	EASTING
MW-15	857176.76	1763971.23
MW-16	857278.58	1785497.82
MW-17	857781.89	1785250.50
MW-18	858310.99	1785289.10
MW-19	858799.27	1785238.92
MW-20	858896.54	1784508.67
MW-21	858871.51	1784125.81
MW-22	858826.09	1783528.11
MW-23	858516.99	1783362.23
MW-24	857897.71	1783438.34
MW-25	858793.32	1785043.38
MW-25D	858793.68	1785039.23

PHASE II NEW WELLS

WELL #	NORTHING	EASTING
II-9	863925.58	1787952.38
II-10	863513.27	1787801.95
II-11	864185.08	1788057.71
II-12	862085.68	1788801.39

NOTES:
1. CONTOURS ARE SHOWN FOR SITE LOCATION AND CLARIFICATION ONLY.
2: ALL PHASE I, PHASE II, AND PHASE III WELL LOCATIONS DETERMINED BY ACTUAL FIELD SURVEY.
3: COORDINATES FOR SURFACE WATER MONITORING POINTS DETERMINED FROM FIELD MEASUREMENTS.
4: WET WELL LEACHATE SAMPLE LOCATION TAKEN FROM PHASE III AS-BUILT SURVEY.
5: PLANIMETRIC INFORMATION OUTSIDE LANDFILL FACILITY LIMITS TAKEN FROM CITY OF GREENSBORO ENGINEERING AND INSPECTIONS DEPARTMENT RECORDS SECTION 2001 AERIAL SURVEY.
6: REVISION: ADDED NEW WELLS ON PHASE II JUNE, 2005. LOCATIONS AND ELEVATIONS DETERMINED BY ACTUAL FIELD SURVEY

SCALE 1" = 600'

DATE	
SURVEYED BY	COG
DESIGNED BY	
DRAWN BY	DS BOST
CHECKED BY	

CITY OF GREENSBORO
ENVIRONMENTAL SERVICES DEPARTMENT
SOLID WASTE MANAGEMENT DIVISION

WHITE STREET LANDFILL
GROUNDWATER MONITORING SYSTEM

CD – 81B

SHEET NO. ___ OF ___

PROJECT FILENAME: GWMW.PRO PLOT FILENAME: GWMW.PLT

11

DATE 3-31-2008	CITY OF GREENSBORO ENVIRONMENTAL SERVICES DEPARTMENT SOLID WASTE MANAGEMENT DIVISION	CD-82B
SURVEYED BY DS BOST/COG		SHEET NO.
DESIGNED BY	PHASE II BENCHMARKS HORZONTAL AND VERTICAL LOCATIONS	___ OF ___
DRAWN BY DS BOST		
CHECKED BY		

PROJECT FILENAME: CONTROL PLOT FILENAME: CD-82B