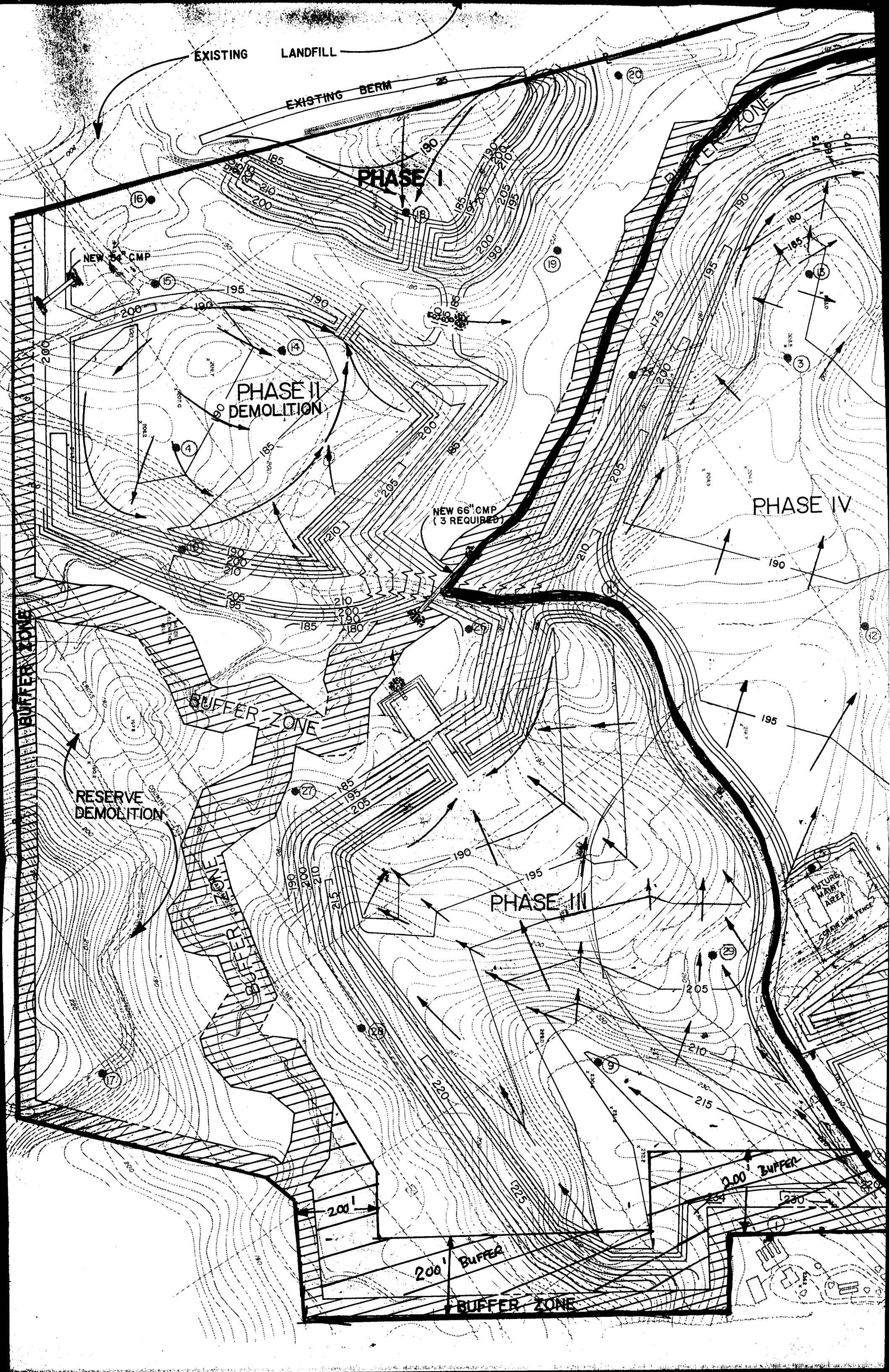
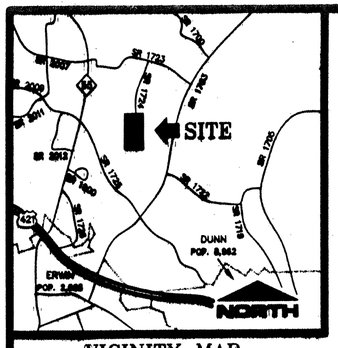

EXISTING LANDFILL
EXISTING BERM
PHASE I
NEW 54" CMP
PHASE II
DEMOLITION
BUFFER ZONE
NEW 66" CMP
(3 REQUIRED)
PHASE IV
PHASE III
BUFFER ZONE
RESERVE
DEMOLITION
FUTURE MAINT. AREA
CHAIN LINK FENCE
200' BUFFER
200' BUFFER
BUFFER ZONE



VICINITY MAP
NOT TO SCALE

LEGEND:
EIS–EXISTING IRON STAKE
—— —105—— EXISTING GRADE
101.12 SPOT ELEVATION AS OF 9–22–98
100.12 SPOT ELEVATION AS OF 8–14–98
BENCHMARK
——— SURVEY LIMITS
— — — LANDFILL LIMITS

NOTES:
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2) HORIZONTAL AND VERTICAL DATA BASED ON BENCHMARKS 1 AND 2, CONTROL SET BY OTHERS.

LANDFILL LIMITS

SURVEY LIMITS

NORTH — NC GRID NAD 83

BENCHMARK #2
N=586078.50
E=2104747.15
ELEV= 230.42
DS

N12°52'08"E
1054.43'

BENCH MARK #1
N=585045.67
E=2104480.93
ELEV= 216.09'
DS

I, JIMMY HOLLAND Jr., CERTIFY THAT THIS CLASS "C" TOPOGRAPHIC MAP WAS DRAWN FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION AND THAT THE TRIGONOMETRIC VERTICAL ERROR OF CLOSURE DOES NOT EXCEED 0.3 TIMES THE SQUARE ROOT OF THE NUMBER OF MILES RUN FROM THE REFERENCE DATUM. ACCORDING TO NCGS 47–30, SECTION 1605–CLASS "C", AND THAT THE HORIZONTAL ERROR OF CLOSURE FOR THESE LOCATIONS OF EXISTING SURFACE (AND SUBSURFACE AS SHOWN), STRUCTURES AND/OR UTILITIES EXCEEDS 1:10,000.

NORTH CAROLINA REGISTERED SEAL L-3908 LAND SURVEYOR JIMMY HOLLAND, JR.

NOVEMBER 98

REGISTERED LAND SURVEYOR–L–3908

TOPOGRAPHIC SURVEY OF
DUNN–ERWIN LANDFILL

NEAR DUNN
SCALE: 1"= 60'

HARNETT COUNTY
NORTH CAROLINA
OCTOBER 1998

THE ROSE GROUP, INC.
ENGINEERS – PLANNERS – SURVEYORS
FAYETTEVILLE N.C. 28301
104 GILLESPIE ST.
(910) 323-3400

SHEET NO. 2

GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.

DRAWN BY: LLL
JOB NO. 98171

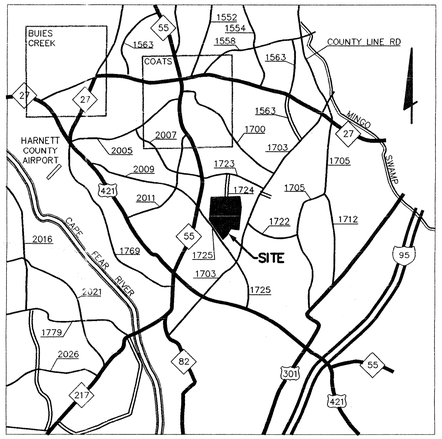
DUNN/ERWIN M.S.W.
LANDFILL CLOSURE
AS -BUILT CAP CONSTRUCTION

BOARD OF COUNTY COMMISSIONERS

DAN ANDREWS CHAIRMAN
BEATRICE HILL
WALTER E. TITCHNER
TEDDY BYRD
JOSEPH T. BOWDEN

COUNTY MANAGER

NEIL EMORY



VICINITY MAP
SCALE: 1" = 2 MILES

INDEX

COVER SHEET . . . . . .
PERMEABILITY TESTS 1
SURVEY DRAWING 2

98

HARNETT COUNTY NORTH CAROLINA

Engineer:
McKim and Creed
5625 Dillard Road
Suite 117
Cary, North Carolina 27511

DEC 1998
Received
Solid Waste
Section

DEC 1998

DESIGNED	TEAM
DRAWN	T.J.W.
CHECKED	T.J.W.
PROJ. ENG.	T.J.W.

NORTH CAROLINA PROFESSIONAL SEAL 22202 ENGINEER THOMAS J. WAINWRIGHT

DEC 31 1998 DATE

McKIM&CREED

DATE:	12/31/98
MCE PROJ. #	3040014
DWG FILE #	79697A01B

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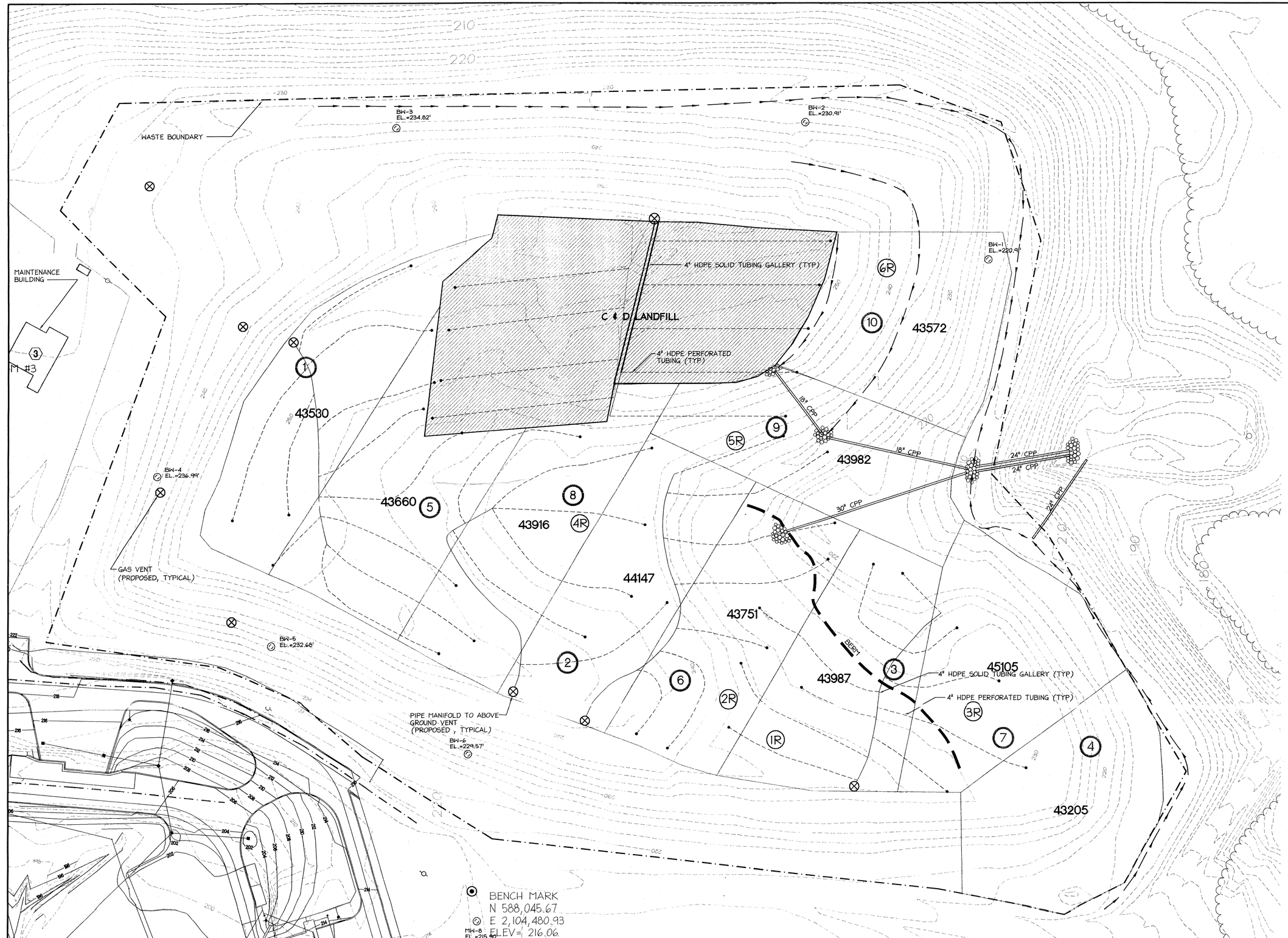

NOTE:
FINAL CONTOURS ARE SHOWN ON THE TOPOGRAPHIC SURVEY MAP. (SHEET NO. 2) CONTOURS SHOWN HERE ARE CONTOURS PRIOR TO CAP INSTALLATION (JAN. 1, 1998)

LEGEND

- (0) SHELBY PERM TEST LOCATION (F AND R)
- (3R) SHELBY PERM TEST LOCATION (S AND ME)
- ( ) SHELBY PERM TEST LOCATION (GEOTECHNOLOGIES)

NORTH

50' 25' 0 50' 100'

SCALE: 1" = 50'

REV.NO.	DESCRIPTIONS	DATE
1	ADDITION OF C & D 1 ACRE SUBCELL BOUNDARY	2-3-98

REVISIONS

NORTH CAROLINA PROFESSIONAL SEAL 22202 ENGINEER THOMAS J. WAINWRIGHT

DEC 3 1 1998 DATE

DESIGNED	T.J.W.
DRAWN	C.S.L./LRA
CHECKED	T.J.W.
PROJ. ENG.	T.J.W.

McKIM & CREED
ENGINEERS • PLANNERS • SURVEYORS
5625 Dillard Rd. Suite 117, Bldg. 1
Cary, North Carolina 27511

CLOSURE PLAN
HARNETT COUNTY
DUNN/ERWIN LANDFILL

PERMEABLILITY TEST LOCATIONS AS-BUILT

DATE:	12-31-98
MCE PROJ. #	03040014
DWG FILE #	796P7S08b

SCALE
HORIZONTAL: 1"=50'
VERTICAL: NA

SHEET NO. 1 of:

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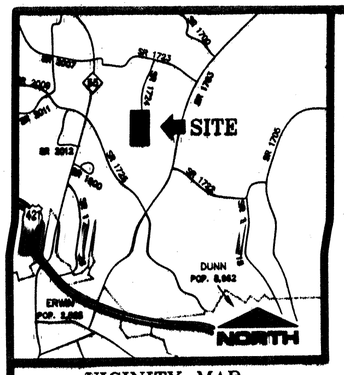

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12 NOVEMBER 98

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NEAR DUNN
SCALE: 1"= 60'

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