RUST ENVIRONMENT & INFRASTRUCTURE

CALCULATION SHEET

PAGE ____ OF ____

PROJECT NO. ____

CLIENT ____ SUBJECT ____ Prepared By ____ Date ____

PROJECT ____ Reviewed By ____ Date ____

Approved By ____ Date ____

5/1/96

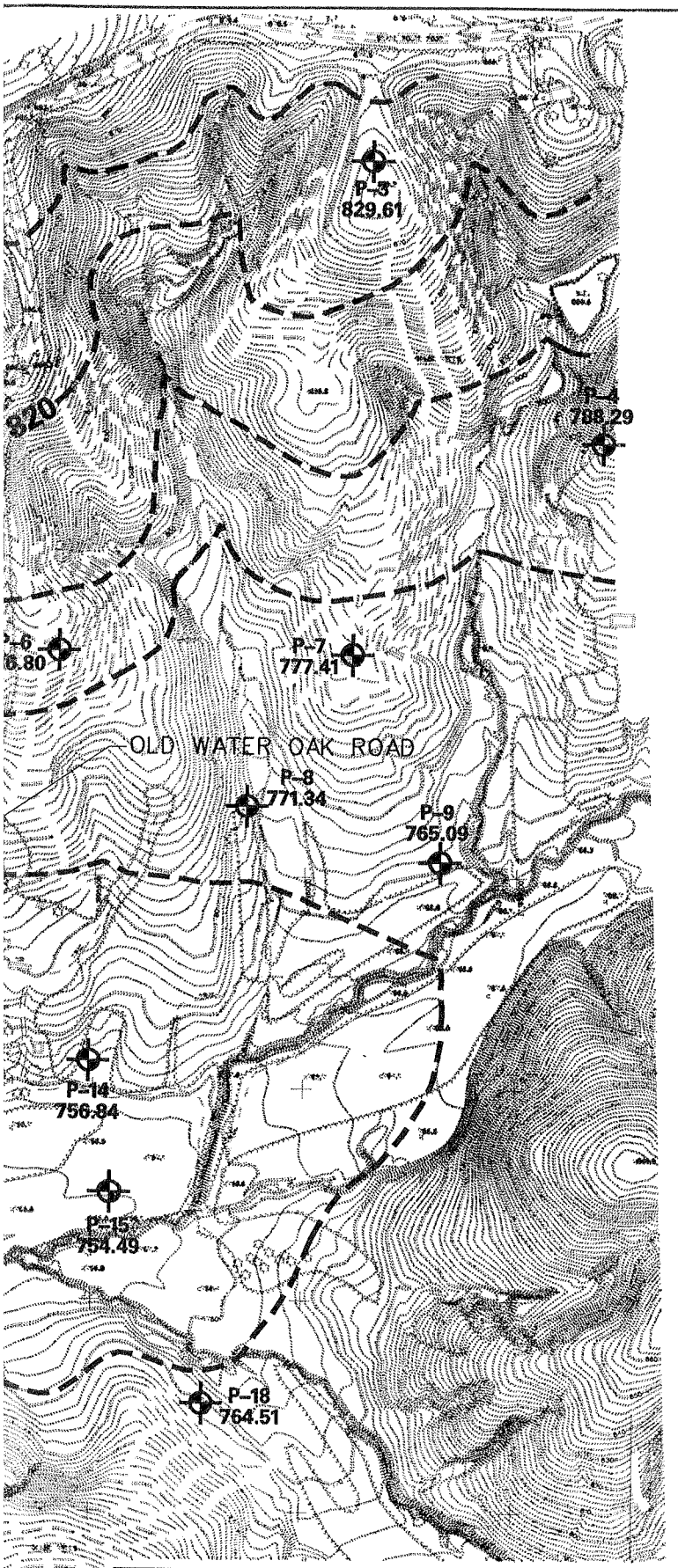
Bobby —

Please take a look at this preliminary potentiometric map for the Piedmont Landfill. Call me when you have a chance to look at it and lets discuss this and the seasonal high map I am currently making. My number is 864/234-2306. I will look forward to speaking with you.

Sincerely

Frank

Fac/Perm/Co ID #	Date	Doc ID#
3406	7/22/2010	DIN 14573



DRAFT

NORTH

LEGEND

EXISTING CONTOUR	770
EXISTING TREE LINE	
EXISTING STREAM	
POTENTIOMETRIC CONTOURS	– 840 –
PIEZOMETER LOCATIONS	P-7 777.41
SPRING LOCATIONS	SP-13 778.71
MONITORING WELL LOCATIONS	MW-1 778.71

DRAFT

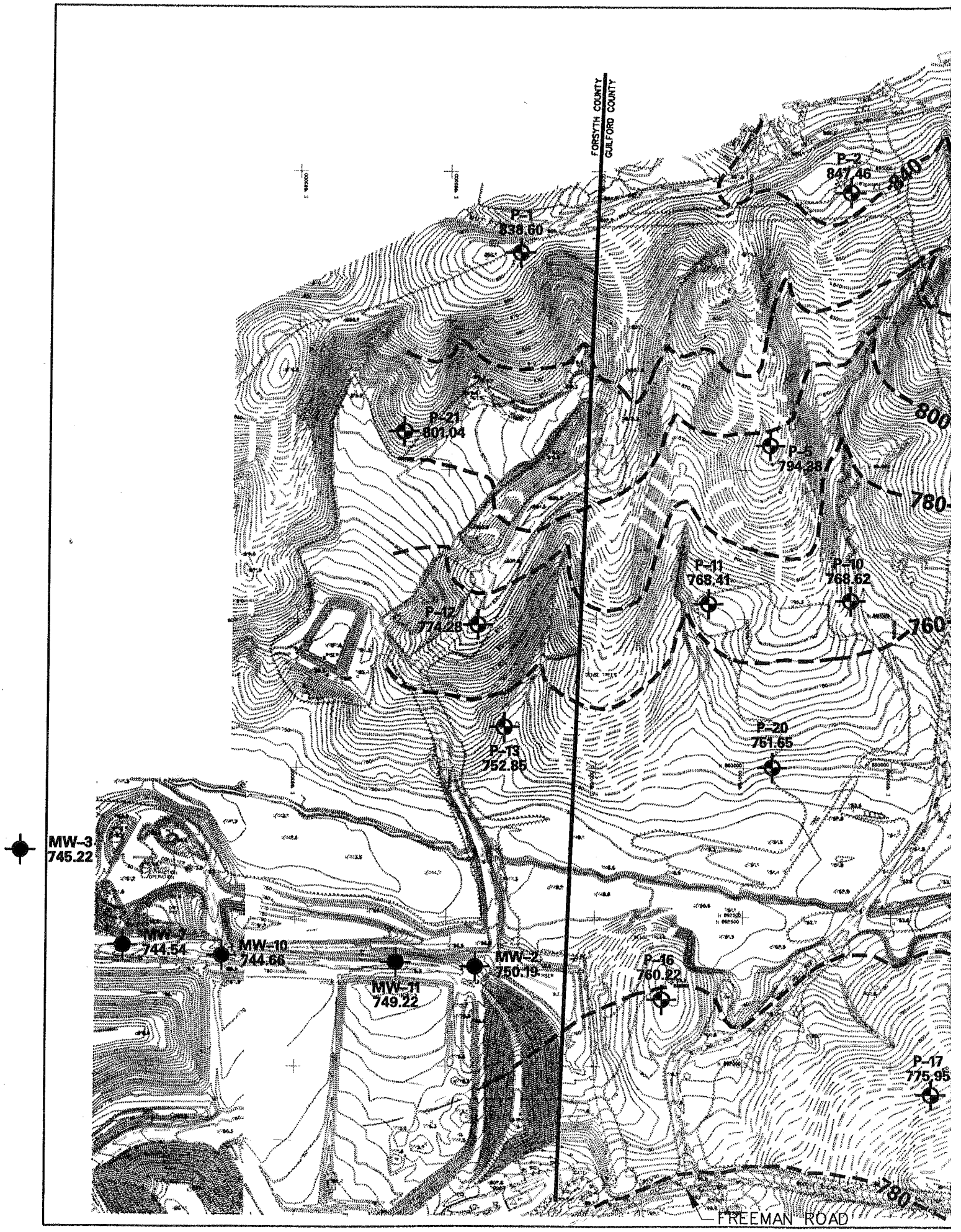
0 400' 800' 1200'

RUST ENVIRONMENT & INFRASTRUCTURE

FIGURE X-X

POTENTIOMETRIC MAP

HYDROGEOLOGIC INVESTIGATION
PIEDMONT LANDFILL AND RECYCLING CENTER
GUILFORD AND FORSYTH COUNTY
RUST E & I PROJECT NO. 34957.330


FORSYTH COUNTY
GUILFORD COUNTY
P-1
838.60
P-2
847.46
840
P-21
801.04
800
P-3
794.38
780
P-11
768.41
P-10
768.62
760
P-12
774.28
P-13
752.85
P-20
751.65
MW-3
745.22
MW-7
744.54
MW-10
744.66
MW-11
749.22
MW-2
750.19
P-16
760.22
P-17
775.95
780
FREEMAN ROAD

RUST Rust Environment & Infrastructure *Fax Transmittal*

15 Brendan Way
Greenville, SC 29615
Phone (864) 234-3000
Fax (864) 234-3069

Date: 2/23/96

Time:

To: Bobby Luffy

Company DEHNR

City/State:

Fax Number: 919 733 4810

From:

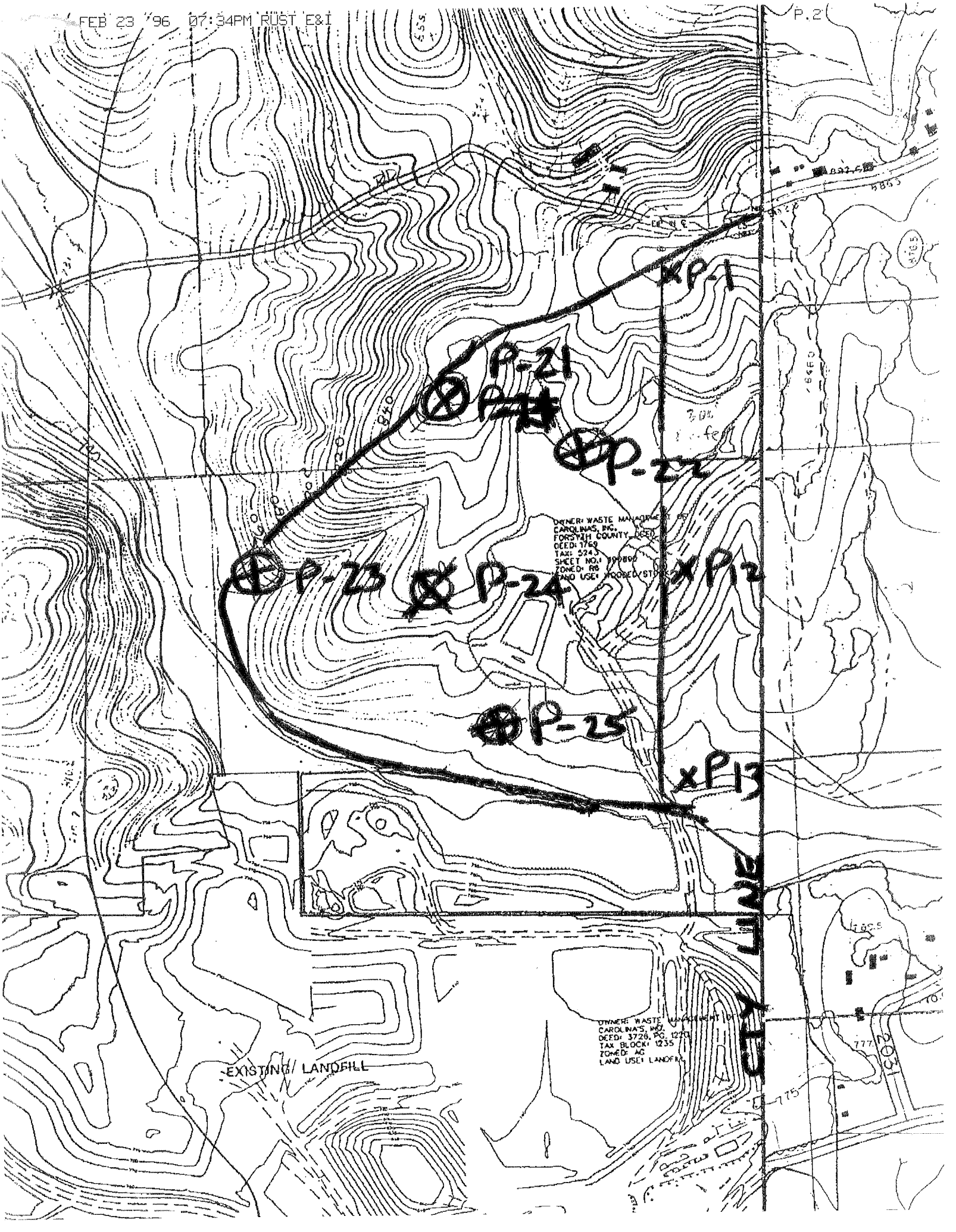
Employee No:

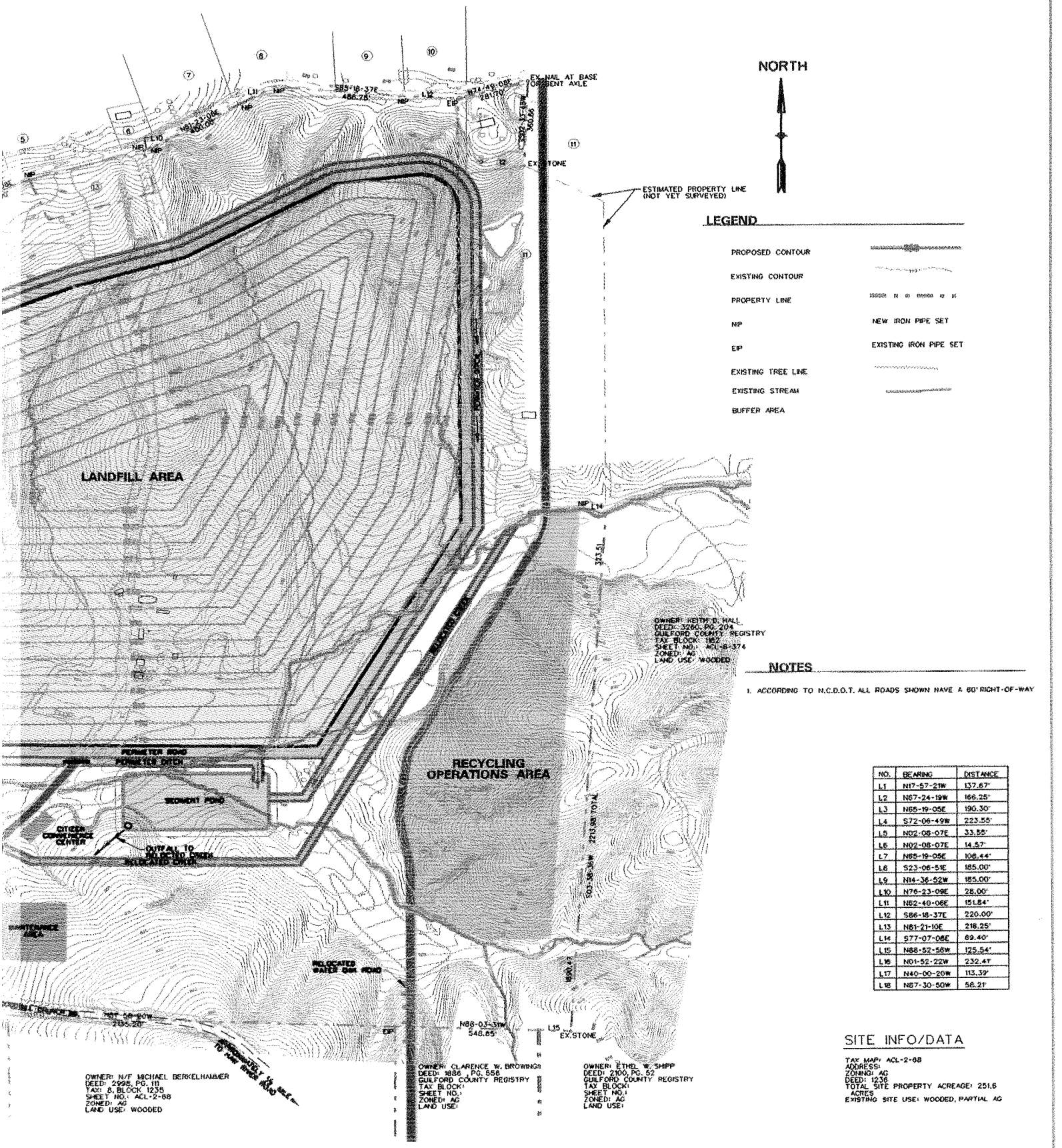
Total Pages Including This Page: 2

8/26/96
OK

Comments:

Here are the 5 locations P-21 through P-25 for comments


P-1
P-21
P-22
P-23
P-24
P-25
P12
P13
OWNER: WASTE MANAGEMENT OF CAROLINAS, INC.
FORSYTH COUNTY, DEED
DEED: 1769
TAX: 5243
SHEET NO.: 100890
ZONED: RS
LAND USE: WOODED/STORAGE
OWNER: WASTE MANAGEMENT OF CAROLINA'S, INC.
DEED: 3726, PG. 1220
TAX BLOCK: 1235
ZONED: AG
LAND USE: LANDFILL
EXISTING LANDFILL
CTY LINE



NOTES

1. ACCORDING TO N.C.D.O.T. ALL ROADS SHOWN HAVE A 60' RIGHT-OF-WAY

NO.	BEARING	DISTANCE
L1	N17-57-21W	137.67'
L2	N67-24-19W	166.25'
L3	N65-19-05E	190.30'
L4	S72-06-49W	223.55'
L5	N02-08-07E	33.55'
L6	N02-08-07E	14.57'
L7	N65-19-05E	106.44'
L8	S23-06-51E	185.00'
L9	N14-36-52W	185.00'
L10	N76-23-09E	28.00'
L11	N62-40-06E	151.84'
L12	S86-18-37E	220.00'
L13	N81-21-10E	218.25'
L14	S77-07-08E	69.40'
L15	N88-52-56W	125.54'
L16	N01-52-22W	232.41'
L17	N40-00-20W	113.39'
L18	N87-30-50W	58.21'

SITE INFO/DATA

TAX MAP: ACL-2-68
ADDRESS:
ZONING: AG
DEED: 1236
TOTAL SITE PROPERTY ACREAGE: 251.6 ACRES
EXISTING SITE USE: WOODED, PARTIAL AG

PROPERTY OWNERS

FLORRIE S. RUSSELL
922 CARL RUSSELL AVE.
WINSTON-SALEM, NC 27101
(919) 722-3459

REV	DATE	DESCRIPTION	DES BY	APP BY

PROJECT NO 33824
DATE AUGUST 1995
DES BY
DFN BY
CHK BY
APP BY

SITE LOCATION: PIEDMONT LANDFILL EXPANSION
CONCEPTUAL DESIGN, OAK RIDGE TOWNSHIP
GUILFORD COUNTY, NORTH CAROLINA

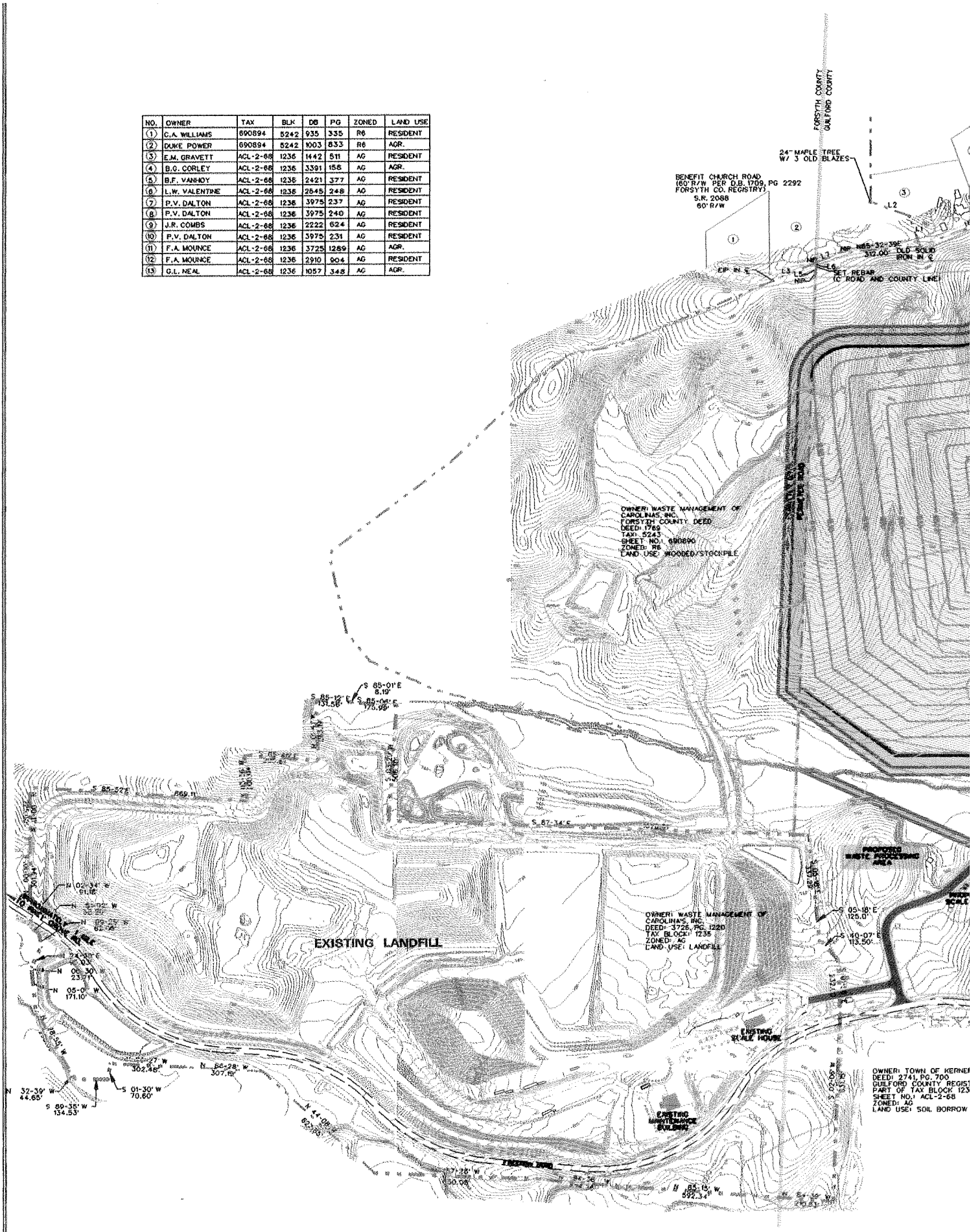
PIEDMONT LANDFILL EXPANSION CONCEPTUAL SITE PLAN

PREPARED BY:
RUST ENVIRONMENT & INFRASTRUCTURE
P.O. BOX 24000
GREENVILLE, SC 29616
(803) 234-3000

Developer:
Waste Management of Carolinas, Inc.
9900 Freeman Road
Kernersville, NC 27284

SHEET 1 OF 1
DRAWING NO 1

NO.	OWNER	TAX	BLK	DB	PG	ZONED	LAND USE
1	C.A. WILLIAMS	690894	5242	935	335	R6	RESIDENT
2	DUKE POWER	690894	5242	1003	833	R6	AGR.
3	E.M. GRAVETT	ACL-2-68	1236	1442	511	AG	RESIDENT
4	B.G. CORLEY	ACL-2-68	1236	3391	158	AG	AGR.
5	B.F. VANHOY	ACL-2-68	1236	2421	377	AG	RESIDENT
6	L.W. VALENTINE	ACL-2-68	1236	2545	248	AG	RESIDENT
7	P.V. DALTON	ACL-2-68	1236	3975	237	AG	RESIDENT
8	P.V. DALTON	ACL-2-68	1236	3975	240	AG	RESIDENT
9	J.R. COMBS	ACL-2-68	1236	2222	624	AG	RESIDENT
10	P.V. DALTON	ACL-2-68	1236	3975	231	AG	RESIDENT
11	F.A. MOUNCE	ACL-2-68	1236	3725	1289	AG	AGR.
12	F.A. MOUNCE	ACL-2-68	1236	2910	904	AG	RESIDENT
13	G.L. NEAL	ACL-2-68	1236	1057	348	AG	AGR.



2/21/95

Moving discharge point -structural
difficulty monitoring
50ft buffer from stream
stability of alluvial soils
100 yr. floodplain
dam effect during flood events
stability + erosion control during flood events
wetlands
approval by U.S. Army Corp of Eng, DEM-WQ
Below Reservoir

K dif. slopes
+ floodplain

Precedent

keep in floodplains
adequate setback for monitoring

Shorter diversion around dogleg
N. stream divert to middle old stream bed
(probably previous route of stream)

2-23-95
Carl Peter Wells

02/21/95

KERNERSVILLE STREAM RELOCATION

IF WE SAY "YES", OR "MAYBE", WASTE MANAGEMENT WOULD NEED TO DEMONSTRATE THAT:

- MONITORING WELLS ON THE SOUTH EDGE OF THE UNIT WOULD PROVIDE "EARLY" WARNING OF CONTAMINATED GROUNDWATER FROM THE EASTERN HALF OF THE UNIT. i.e. WOULD NEW CHANNEL BE A DISCHARGE POINT?
- ALTERATION OF THE CHANNEL WOULD NOT RESULT IN INCREASED EROSION, SEDIMENTATION, OR FLOODING DOWNSTREAM, OR INCREASE THE SEDIMENT LOAD DELIVERED TO BELLEW'S LAKE.
- PLACEMENT OF WASTE IN THE FLOODPLAIN WOULD NOT RESTRICT FLOW OF 100-YEAR FLOOD WATERS, AS PER SWM RULES.
- BASE GRADES WERE SUFFICIENTLY ABOVE W.T. IN AREA OF THE FLOODPLAIN. W.T. MAY CLIMB IN NORTHERN PART OF FLOODPLAIN IF CHANNEL IS MOVED SOUTH. THIS MAY BE EXACERBATED IF ALLUVIAL FILL IS COMPACTED & CONSOLIDATED, REDUCING PERMEABILITY.

WOULD THE CHANNEL, SED PONDS, LANDFILL BE SUFFICIENTLY PROTECTED FROM FLOOD DAMAGE?

7951208 12-29-95
1A-02

2-19-96

w/in floodplain

50 ft buffer from Stream ?
100 yr floodplain ? DEWQ ?
wetlands ? USA Corp of Eng ?

GW flow ?
obstruct SW flow ?

Room for Sed. Basin ?
Room for eff. GW Monitoring

RUST ENVIRONMENT & INFRASTRUCTURE

Letter of Transmittal

TO: NCDEHNR
Solid Waste Division
401 Oberlin Rd.
Raleigh, NC 27605

DATE 1/30/96	PROJECT NO. 34957.300
ATTENTION Bobby Lutty	
RE: Proposed Piedmont Drilling Locations	

WE ARE SENDING YOU:

☑ Attached ☐ Prints ☐ Under separate cover via _____ the following items:
☐ Shop drawings ☐ Change order ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Proposed Drilling Locations

THESE ARE TRANSMITTED AS CHECKED BELOW:

☑ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ For Bids Due _____ 19 ____ ☐ Prints Returned After Loan to Us

REMARKS: Attached is a map showing the proposed drilling locations at Piedmont. Please note that we propose moving the P-9 location to the P-9 Alternate location because of accessibility problems. Please call either Peter or me if you have any comments.

COPY TO: File SIGNED: Thomas M. Upchurch

White Copy - Client Yellow Copy - Project File Pink Copy - Library File

If enclosures are not as noted, kindly notify us at once.

15 Brendan Way • Greenville, South Carolina 29615 • (803) 234-3000 • Fax: (803) 234-3069

LEGEND

PROPOSED CONTOUR	
EXISTING CONTOUR	
PROPERTY LINE	
NIP	NEW IRON PIPE SET
EIP	EXISTING IRON PIPE SET
EXISTING TREE LINE	
℞ NOT YET SURVEYED	
PIEZOMETRIC/SOIL BORING LOCATION	X P-4

piez. nests

NOTES

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(919) 722-3459

PREPARED BY:
RUST ENVIRONMENT & INFRASTRUCTURE
P.O. BOX 24000
GREENVILLE, SC 29616
(803) 234-3000

REV	DATE	DESCRIPTION	DES BY	APP BY

PROJECT NO 33624
DATE AUGUST 1995
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DRN BY
CHK BY
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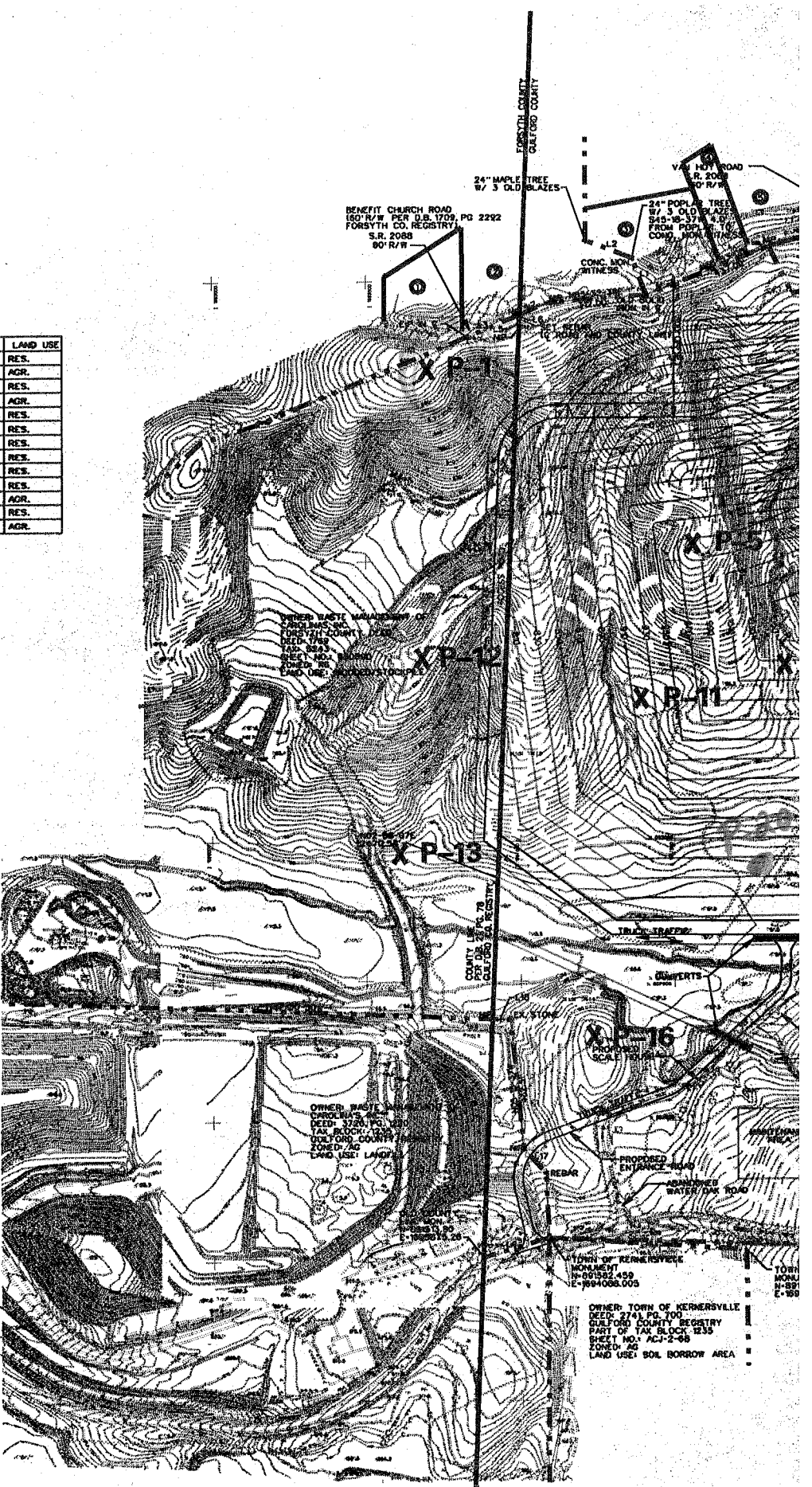
PIEDMONT LANDFILL EXPANSION CONCEPTUAL SITE PLAN

Developer:
Waste Management of Carolinas, Inc.
8900 Freeman Road
Kernersville, NC 27284

SHEET 1 OF 1
DRAWING NO
1

W:\33729\37201GUP.DGN

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9	J.R. DOBBS	ACL-2-88	1236	2222	834	AG	RES.
10	P.V. DALTON	ACL-2-88	1236	3975	231	AG	RES.
11	F.A. MOUNCE	ACL-2-88	1236	3725	1289	AG	AGR.
12	F.A. MOUNCE	ACL-2-88	1236	2910	804	AG	RES.
13	O.L. NEAL	ACL-2-88	1236	1057	348	AG	AGR.