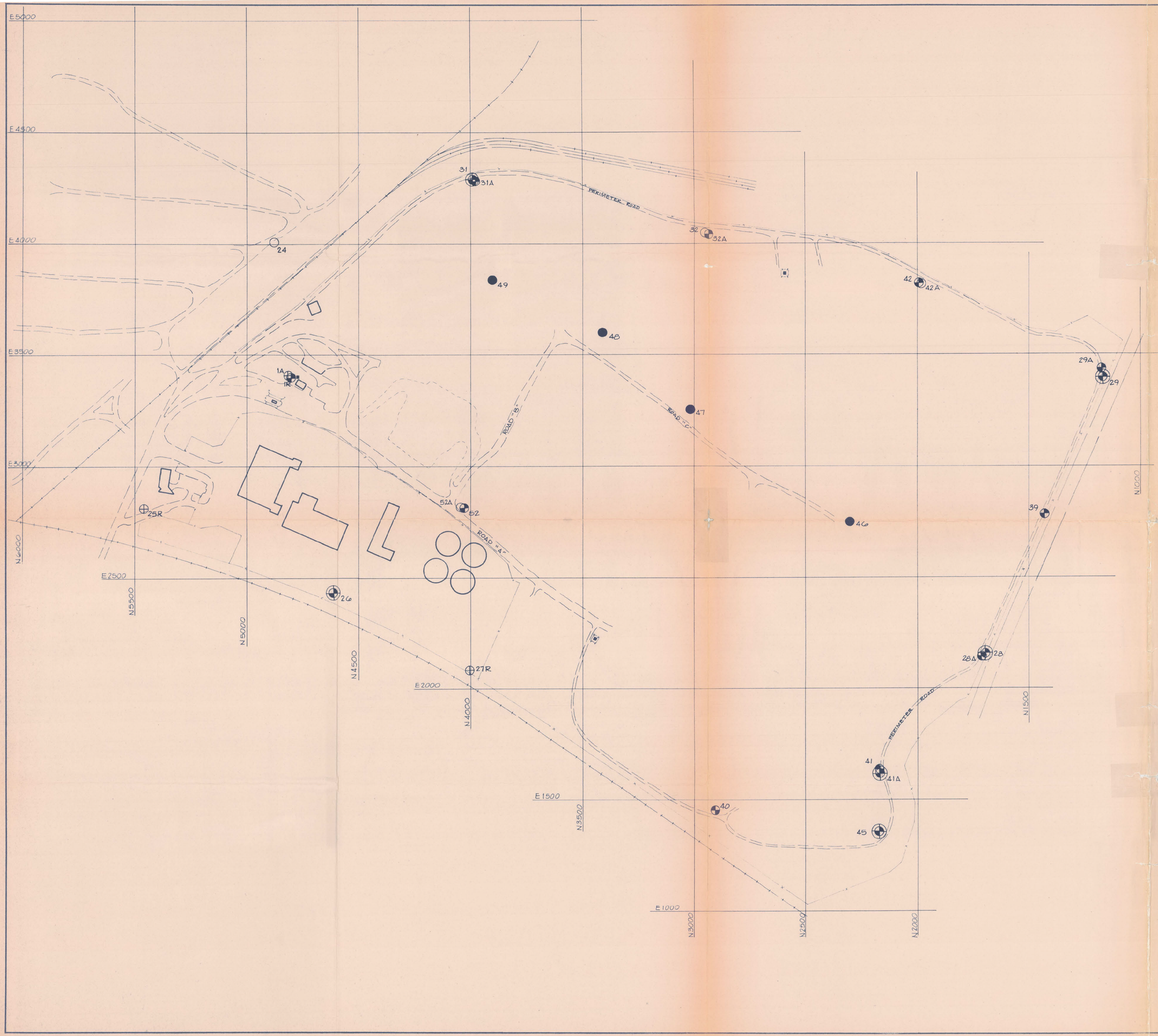

KEY:

- INTERIOR (BASE OF) LANDFILL
- WATER - TABLE
- RECENT DEPOSITS - BASAL ZONES
- COLUMBIA (PLEISTOCENE) SANDS
- POTOMAC SANDS

ORIGINAL (Red)

NORTHERN SOLID WASTE FACILITY-1
OPERATIONAL OBSERVATION WELLS
JULY 1985

Well(2)	Install. Date	Reference Elevation(1)(3) Surface (Approx.)	Reference Elevation(1)(3) Top of Casing	Total Well Length	Well Screen Information Length	Well Screen Information Elevation Interval(1)	Formation
1R	Mar 1976	21 ft. ±	23.4 ft.*	17.4 ft.	4 ft.	10.0 to 6.0 ft.	Hydraulic fill
1A	May 1980	21 ft. ±	22.65 ft.*	32.5 ft.	5 ft.	- 4.8 to -9.8 ft.	Columbia
24	May 1975	30 ft. ±	31.15 ft.*	99 ft.±	5 ft.	-63 to -68 ft.±	River deposits
25R	Sep 1981		11.6 ft.*	30.5 ft.±	5 ft.	-13.9 to -18.9 ft.	Columbia
26R	Sep 1981		12.5 ft.*	70.0 ft.	10 ft.	-47.5 to -57.5 ft.	Potomac
27R	Sep 1981		10.8 ft.*	30.0 ft.	5 ft.	-14.2 to -19.2 ft.	Columbia
28	Mar 1976	15.5 ft.±	17.65 ft.	53.2 ft.	4 ft.	-31.55 to -35.55 ft.	Potomac
28A	May 1980	16 ft.±	17.6 ft.	16.6 ft.	10 ft.	11.0 to 1.0 ft.	Hydraulic fill/marsh
29	May 1980	14 ft.±	15.7 ft.	16.6 ft.	10 ft.	9.1 to - 0.9 ft.	Marsh/hydraulic fill
29A	May 1980	14 ft.±	15.7 ft.	16.6 ft.	10 ft.	9.1 to - 0.9 ft.	Marsh/hydraulic fill
31	Mar 1976	23 ft.±	26.35 ft.	66.7 ft.	4 ft.	-36.35 to -40.35 ft.	Potomac (possible lens)
31A	May 1980	25.5 ft.±	24.3 ft.	17.1 ft.	10 ft.	17.2 to 7.2 ft.	Hydraulic fill
32	Mar 1976	18 ft.±	18.65 ft.	30.3 ft.	4 ft.	- 7.65 to -11.65 ft.	Marsh
32A	May 1980	18 ft.±	20.85 ft.	18.1 ft.	10 ft.	12.75 to 2.75 ft.	Hydraulic fill/marsh
39	May 1980	14 ft.±	15.65 ft.	16.6 ft.	10 ft.	9.05 to - 0.95 ft.	Marsh/hydraulic fill
40	Jan 1983	20 ft.±	22.0 ft.	20.2 ft.	10 ft.	11.8 to 1.8 ft.	Hydraulic fill/marsh
41	May 1980	23 ft.±	24.80 ft.	26.5 ft.	10 ft.	8.3 to - 1.7 ft.	Marsh/hydraulic fill
41A	May 1980	23 ft.±	24.9 ft.	57.3 ft.	5 ft.	-27.4 to -32.4 ft.	Potomac
42	May 1980	18 ft.±	19.6 ft.	18.1 ft.	10 ft.	11.5 to 1.5 ft.	Marsh/hydraulic fill
42A	May 1980	18 ft.±	19.65 ft.	42.0 ft.	5 ft.	-17.35 to -22.35 ft.	Marsh/river deposits
45	Jan 1983	21.5 ft.±	23.85 ft.	91.7 ft.	10 ft.	-57.85 to -67.85 ft.	Potomac
46	May 1982	68 ft.±	72 ft.±	59 ft.	10 ft.	23.4± to 13.4 ft.±	Base of landfill
47	May 1982	68 ft.±	71 ft.±	54 ft.	10 ft.	27.2± to 17.2 ft.±	Base of landfill
48	May 1982	65 ft.±	68 ft.±	50.5 ft.	10 ft.	27.65 to 17.65 ft.±	Base of landfill
49	May 1982	53 ft.±	55 ft.±	41 ft.	10 ft.	23.6± to 13.6 ft.±	Base of landfill
52	Feb 1985	18.5 ft.±	21.5 ft.±	18.1 ft.	10 ft.	3.4± to 13.4 ft.±	Marsh/hydraulic fill
52A	May 1985	18.5 ft.±	21.5 ft.±	44.3 ft.	5 ft.	-22.8± to -17.8 ft.±	Recent - channel sands

NOTES: (1) N.G.V.D., 1929 Sea Level Datum
(2) R = replacement well
(3) Reference Elevations established August 1983, except as noted [(*) Reference Elevation established prior to August 1983.] [Well 52 & 52A established June 1985]

NOTE : DELAWARE SOLID WASTE AUTHORITY
FACILITY OPERATIONS BEGAN JANUARY 1, 1981.

REFERENCE/LOCATION PLAN

MONITORING WELLS/OBSERVATION POINTS

JULY 1985

PIGEON POINT
NSWF-1

DELAWARE SOLID WASTE AUTHORITY

No.	REVISION	CHK'D BY DATE

DUFFIELD ASSOCIATES, INC.
CONSULTING GEOTECHNICAL ENGINEERS
WILMINGTON, DELAWARE

"non responsive based on revised scope"
[redacted]

DESIGNED BY	DATE JUNE 2, 1985
DRAWN BY [redacted]	SCALE 1" = 200'
CHECKED BY [redacted]	W.O. NO. 260-B
DRAWING NO. C-260B-35	SHEET NO. 2 OF 3