

COORDINATOR'S SUMMARY OF THE ENVIRONMENTAL REVIEW TEAM'S REPORTS

I. General:

- a. All three sites are on high ground with a terrain sloping toward a major stream.
- b. Leachate flowing into the brooks would pollute either the Yantic or Shetucket Rivers with eventual pollution to the Thames River.
 - (1) Several large stratified water deposits along the aforementioned rivers have been classified for favorable future ground water supplies by the Water Resources Division of the U.S. Geological Survey.
- c. These sites will be affected by Public Act 155, Inland Wetlands & Water Courses.

Most of the reports note, in part, some of the above problems and since these problems do exist, none of the sites can be deemed ideal. Yet, with proper engineering and management, most agree that leachate pollution could be minimized.

II. Soil:

- a. Tarryk Bros. Farm
 - (1) Silt, sand, gravel and hardpan - high permeability.
- b. Rogers Farm
 - (1) Sand and gravel - rapid permeability.
- c. O'Meara Property
 - (1) Appears to be primarily hardpan - low permeability.

Soil makeup controls leachate and in this sense, the O'Meara property appears to have the most desirable soil conditions. This factor can only be substantiated by a program of sub-surface investigation. The Tarryk Farm and Rogers Farm permeability factor could be lessened by increasing buffer distances and by proper landfill management.

III. Terrain:

- (1) As mentioned earlier, each proposed site has a terrain sloping towards a major brook. Controlling leachate becomes a management/engineering function with the

difficulty of the task directly related to distance from the brook, soil permeability, water tables and surface drainage. In the latter sense, control of the surface and subsurface water could be the major problem on the O'Meara site due to the appearance of an existing poor drainage condition. Further testing and/or engineering could resolve these problems (see E. Minnick report, page 2, last paragraph).

IV. Forrests:

- (1) Only the Rogers site has potential ravines for disposal of demolition material. Good access, fire buffers and material size reduction would decrease potential environmental impact. Landscape management would soften a harsh landscape appearance on all sites.

V. Water Table:

a. Tarryk Farm

- (1) Ranges from 14 to 26 feet

b. Rogers Farm

- (1) Area strip mined to top of water table

c. O'Meara Property

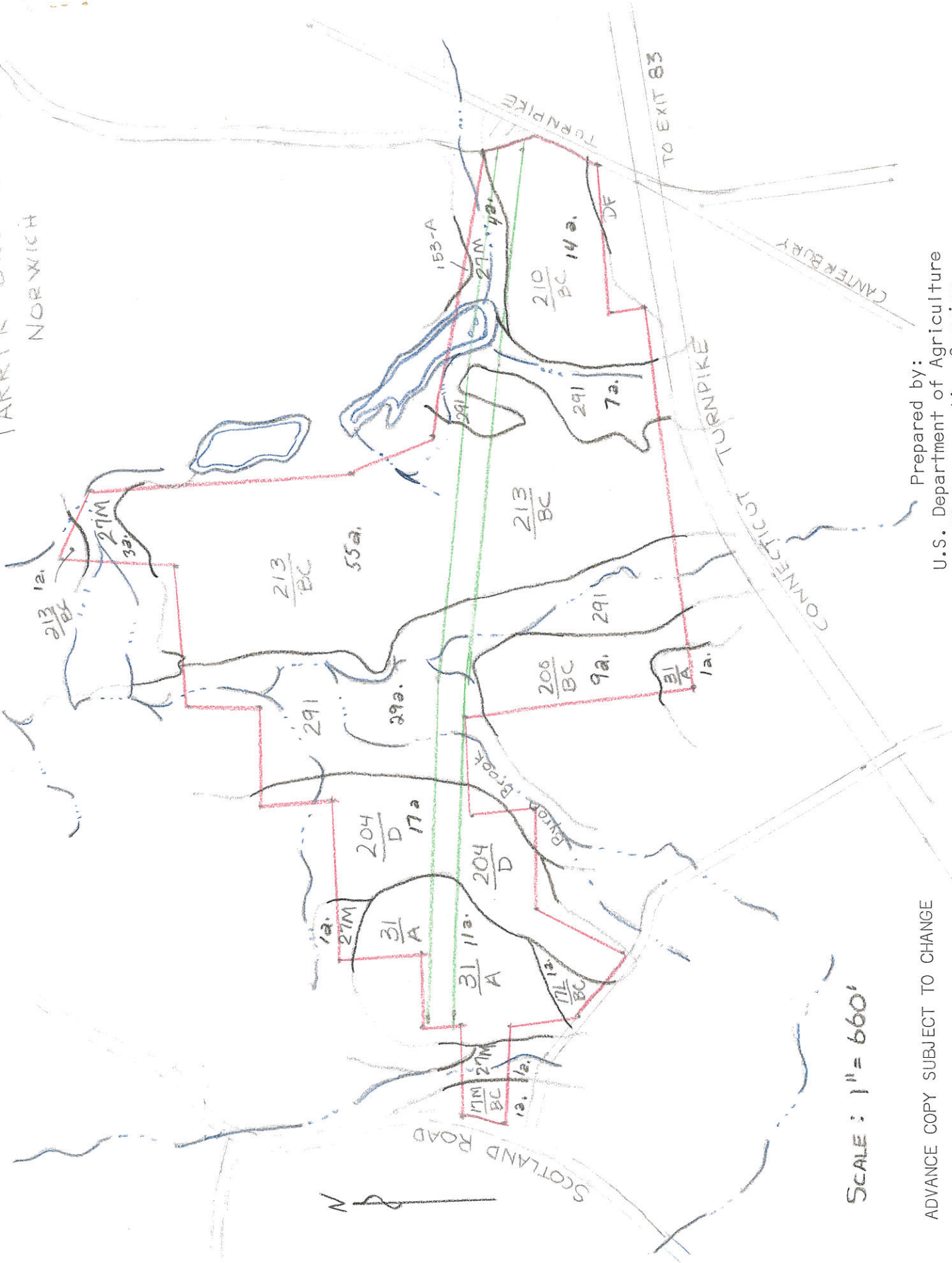
- (1) No available data

One cannot overemphasize the importance of determining a site's water table. This data is required in order to determine proper site engineering, management, cost of operation and longevity of the site.

Conclusion:

The Environmental Review Team did not concern itself with accessibility, social, aesthetic, long range potential nor costs, etc. Paramount concern was the impact on the existing natural environment. In this light, the consensus concluded that the O'Meara property appears to have the edge over the Tarryk Bros. Farm, while the Rogers Farm has severe engineering problems.

TARRY K BROTHERS SITE
NORWICH



Prepared by:
U.S. Department of Agriculture
Soil Conservation Service

SCALE : 1" = 660'

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Tarryk Brothers Site
NATURAL SOIL GROUP LEGEND

Total Acreage	Map Symbol	Natural Soil Group	Soil Name
55.5	213-BC	A-1b	Hinckley-Enfield complex, 3-15% slopes
14	210-BC	B-1c	Narragansett-Gloucester complex, 3-15% slopes
12	31-A	C-2a	Woodbridge fine sandy loam, 0-3% slopes
8	27M	C-3b	Whitman-Ridgebury very stony silt loams
1	17L-BC	D-1	Hollis-Charlton very rocky fine sandy loams, 3-15% slopes
9	200-BC	D-1	Narragansett-Hollis complex, 3-15% slopes
1	17M-BC	D-2	Hollis extremely rocky fine sandy loam, 3-15% slopes
17	204-D	D-2	Hollis-Narragansett very rocky complex, 15-35% slopes
36	291	G-3b	Peat and Muck, shallow to silt

TOTAL ACRES - 153.5

Note: Refer to pamphlet "Know Your Land", Natural Soil Groups of Connecticut, for the natural soil group descriptions and interpretations.

SOIL LIMITATIONS FOR SANITARY LANDFILL

	Slight	Moderate	Severe	Very Severe
Acres	55.5	13	14	71
Percentage	36	9	9	46

SITE NUMBER 2



SCALE - 1" = 660'

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SITE NUMBER 2
NATURAL SOIL GROUP LEGEND

Total Acreage	Map Symbol	Natural Soil Group	Soil Name
.5	158-D	A-1c	Terrace escarpments
7	696-B-1	A-1d	Agawam fine sandy loam, 0-3% slopes
4	825	A-3b	Saugatuck silt loam silt variant
22	27M	C-3b	Whitman-Ridgebury very stony silt loams
10	17L-BC	D-1	Hollis-Charlton very rocky fine sandy loams, 3-15% slopes
2	26L-BC	D-2	Brimfield extremely rocky fine sandy loam, 3-15% slopes
5	173M-BC	D-2	Hollis extremely rocky silt loam, 3-15% slopes
13	204-D	D-2	Hollis-Narragansett very rocky complex, 15-35% slopes
2	58	E-3a	Alluvial land
9	ML-2	U	Borrow and fill land, coarse materials
1.5	W	U	Water

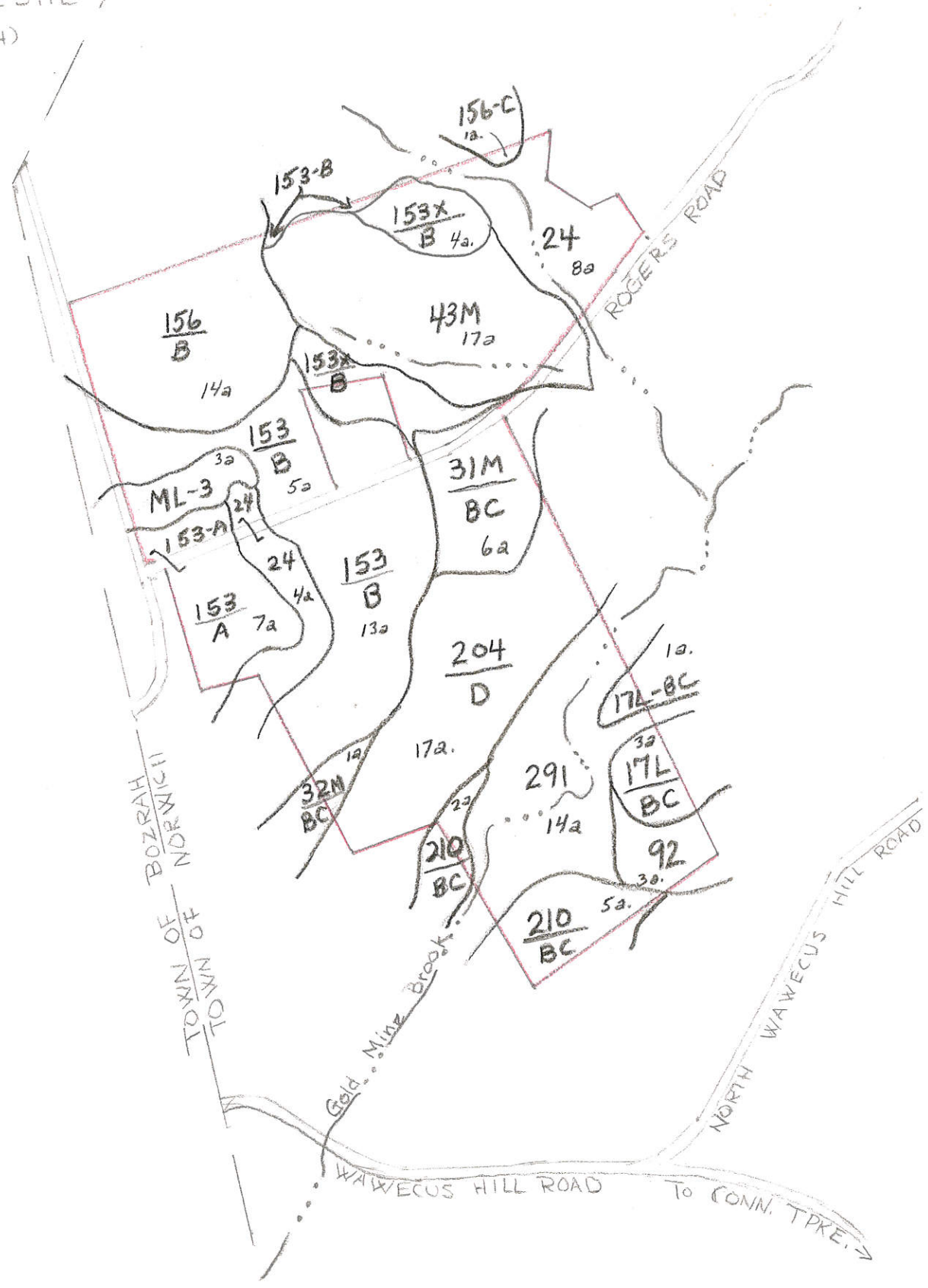
TOTAL ACREAGE - 76

Note: Refer to pamphlet "Know Your Land", Natural Soil Groups of Connecticut, for the natural soil group descriptions and interpretations.

SOIL LIMITATIONS FOR SANITARY LANDFILL

	Slight	Moderate	Severe	Very Severe
Acres	7	10	8.5	40
Percentage	11	15	13	61

WAWECUS HILL SITE /
(NORWICH)



Scale: 1" = 660'

Prepared by
U.S. Department of Agriculture
Soil Conservation Service

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Wawecus Hill Site
NATURAL SOIL GROUP LEGEND

Total Acreage	Map Symbol	Natural Soil Group	Soil Name
1	32M-BC	B-1c	Charlton very stony fine sandy loam, 3-15% slopes
7	210-BC	B-1c	Narragansett-Gloucester complex, 3-15% slopes
17	43M	B-3b	Leicester, Ridgebury & Whitman very stony, 0-5% slopes
14	156-B	C-1a	Broadbrook silt loam, 3-8% slopes
1	156-C	C-1b	Broadbrook silt loam, 8-15% slopes
7	153-A	C-2a	Rainbow silt loam, 0-3% slopes
18	153-B	C-2a	Rainbow silt loam, 3-8% slopes
7	153X-B	C-2a	Rainbow stony silt loam, 3-8% slopes
6.5	31M-BC	C-2b	Woodbridge & Rainbow very stony soils, 3-15% slopes
4	24	C-3a	Ridgebury silt loam
8	27M	C-3b	Whitman-Ridgebury very stony silt loams
4	17L-BC	D-1	Hollis-Charlton very rocky fine sandy loams, 3-15% slopes
17	204-D	D-2	Hollis-Narragansett very rocky complex, 15-35% slopes
3	92	F-1	Peat and Muck
15	291	G-3b	Peat and Muck, shallow to silt

TOTAL ACRES - 129.5

Note: Refer to pamphlet "Know Your Land", Natural Soil Groups of Connecticut, for the natural soil group descriptions and interpretations.

SOIL LIMITATIONS FOR SANITARY LANDFILL

	Slight	Moderate	Severe	Very Severe
Acres	14	37	18.5	60
Percentage	11	29	14	46