Appendix D

Solid Waste Facilities in Fairfax County

All Solid Waste Facilities in Virginia's DEQ Northern Regional Office Note: addresses and phone numbers may not be correct	
Facility Name (Permit Number): BFI Telegraph Road Landfill (534); **Type:** Gas Management Facility; **County/City:** Fairfax; **Status:** Active; **Year Permitted:** 1989; **Mail Address:** BFI Waste Systems of North America, 101 Norris Lane, Baltimore, MD 21222; **Telephone:** 716-282-2676	**Facility Name (Permit Number**): Lorton CDD Landfill – Furnace Road (331), **Type:** C/D/D Landfill; **County/City:** Fairfax; **Year Permitted:** 1981; **Mail Address:** Furnace Assoc., 9685 D Main St., Fairfax, VA 22031; **Telephone:** 703-690-1525
Facility Name (Permit Number): Classified Waste Disposal System at CIA (PBR173); **Type:** Incineration/Energy Recovery Facility; **County/City:** Fairfax; **Status:** Active; **Year Permitted:** 2000; **Mail Address:** CIA, Office of Facility Management, 5X62 NHB, Washington, DC 20505; **Telephone:**	**Facility Name (Permit Number):** Metalpro, Inc., Material Recovery Facility (PBR152); **Type:** Materials Recovery Facility**; Year Permitted:** 1998; **Mail Address:** Metalpro, Inc., 7956 Twist Lane, Springfield, VA 22153; **Telephone:**
Facility Name (Permit Number): Covanta Fairfax (510); **Type:** Incineration/Energy Resource Recovery Facility; **County/City:** Fairfax; **Status:** Active; **Year Permitted:** 1987; **Mail Address:** Covanta Fairfax, Inc., 9898 Furnace Rd., Lorton, VA 22079; **Telephone:** 703-370-7722	**Facility Name (Permit Number):** Rainwater Concrete Co. Landfill (327); **Type:** C/D/D Landfill; **Year Permitted:** 1980; **Mail Address:** Rainwater Concrete Co., Inc., 9917 Richmond Hwy., P.O. Box 200, Lorton, VA 22079; **Telephone:** 703-339-6310
Facility Name (Permit Number): Hilltop Sand & Gravel Co., Inc., Debris Landfill (326); **Type:** C/D/D Landfill; **County/City:** Fairfax; **Year Permitted:** 1980; **Mail Address:** Hilltop Debris Landfill, 7950 Telegraph Rd., P.O. Box 10316, Alexandria, VA 22315; **Telephone:** 703-971-1300	**Facility Name (Permit Number):** Upper Occoquan Sewer Authority Landfill (542); **Type:** Captive Industrial Landfill; **Year Permitted:** 1992; **Mail Address**: Upper Occoquan Sewer Authority, 14631 Compton Rd., Centreville, VA 22020; **Telephone:** 703-830-2200
Facility Name (Permit Number): I-66 Transfer Station (387); **Type:** Transfer Station; **County/City:** Fairfax; **Year Permitted:** 1982; **Mail Address:** Fairfax County , 12000 Government Center Pkwy., Suite 463, Fairfax, VA 22035-0059; **Telephone:** 703-324-5230	**Facility Name (Permit Number):** USA Waste of Virginia – Fairfax MRF (PBR111); **Type:** Materials Recovery Facility; **Year Permitted:** 1996; **Mail Address:** USA Waste of Virginia, 1505 Moran Rd., Sterling, VA 20166; **Telephone:** 703-929-0149
Facility Name (Permit Number): I-95 Sanitary Landfill (103); **Type:** Sanitary Landfill; **County/City:** Fairfax; **Year Permitted:** 1973; **Mail Address:** Fairfax County, 12000 Government Center Pkwy., Suite 463, Fairfax, VA 22035-0059; **Telephone:** 703-690-7264	**Facility Name (Permit Number):** Vanguard Research, Inc., Plasma Energy Pyrolysis System (PBR134); **Type:** RMW Alternate Treatment; **Year Permitted:** 1998; **Mail Address:** Vanguard Research, Inc., 8384 Terminal Rd., Lorton, VA 22079; **Telephone:** 703-339-6222
Facility Name (Permit Number): INOVA (PBR170); **Type:** RMW Alternate Treatment; **County/City:** Fairfax; **Year Permitted:** 2000; **Mail Address:** INOVA Fairfax Hospital, 3300 Gallows Rd., Falls Church, VA 22042-3300; **Telephone:**	

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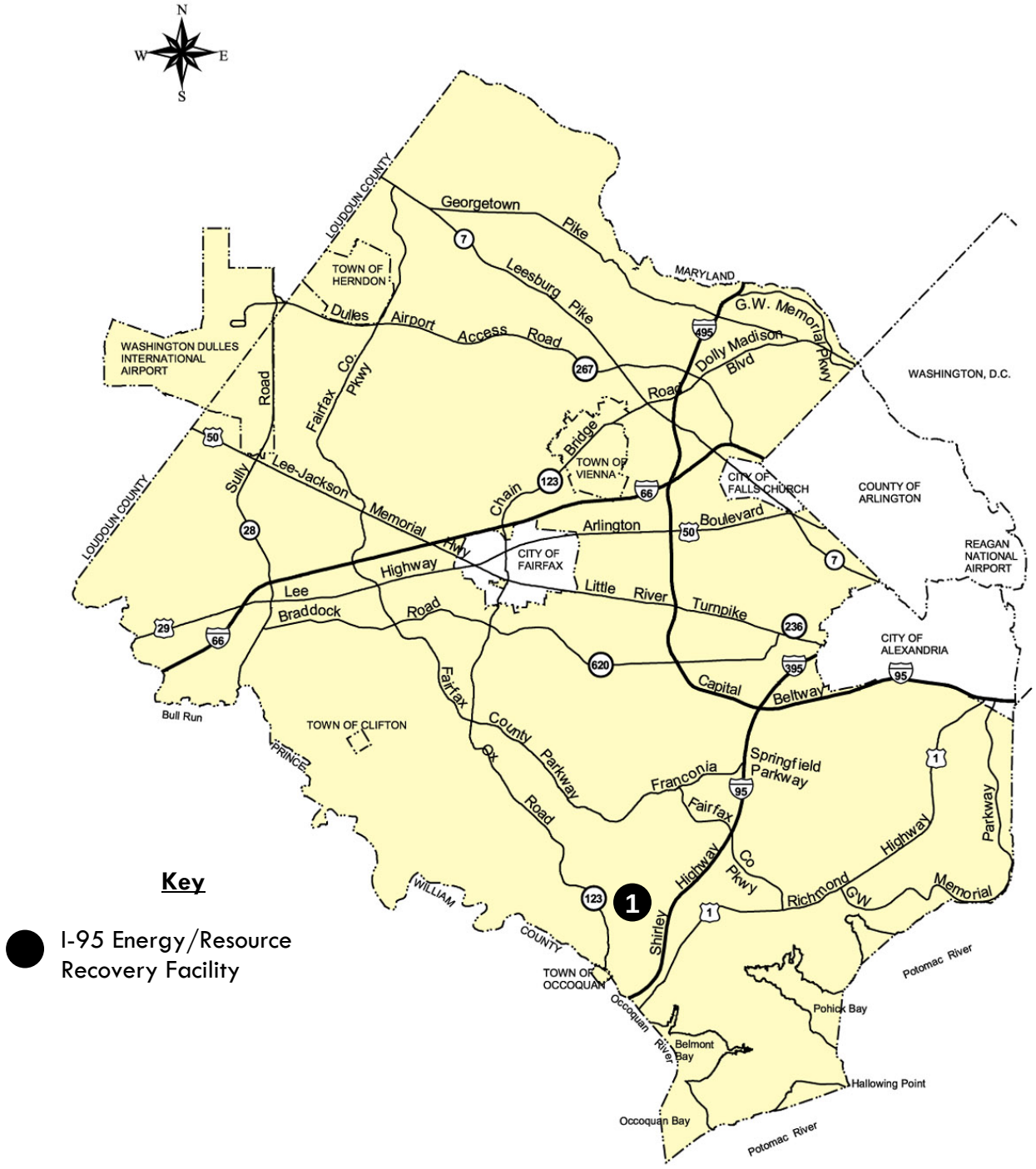
Energy/Resource Recovery Facility Location

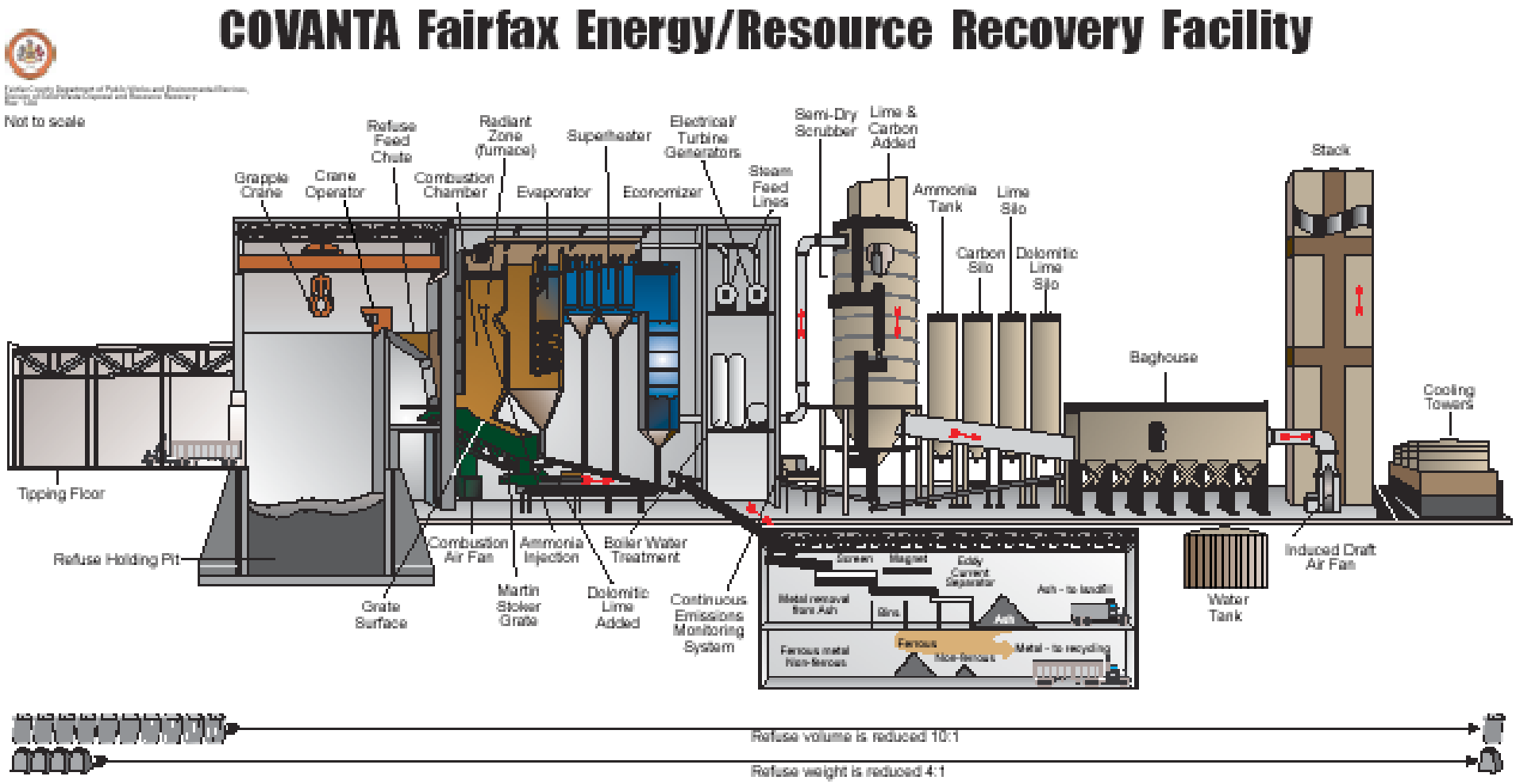


Courtesy of Fairfax County GIS and Mapping Services 2002

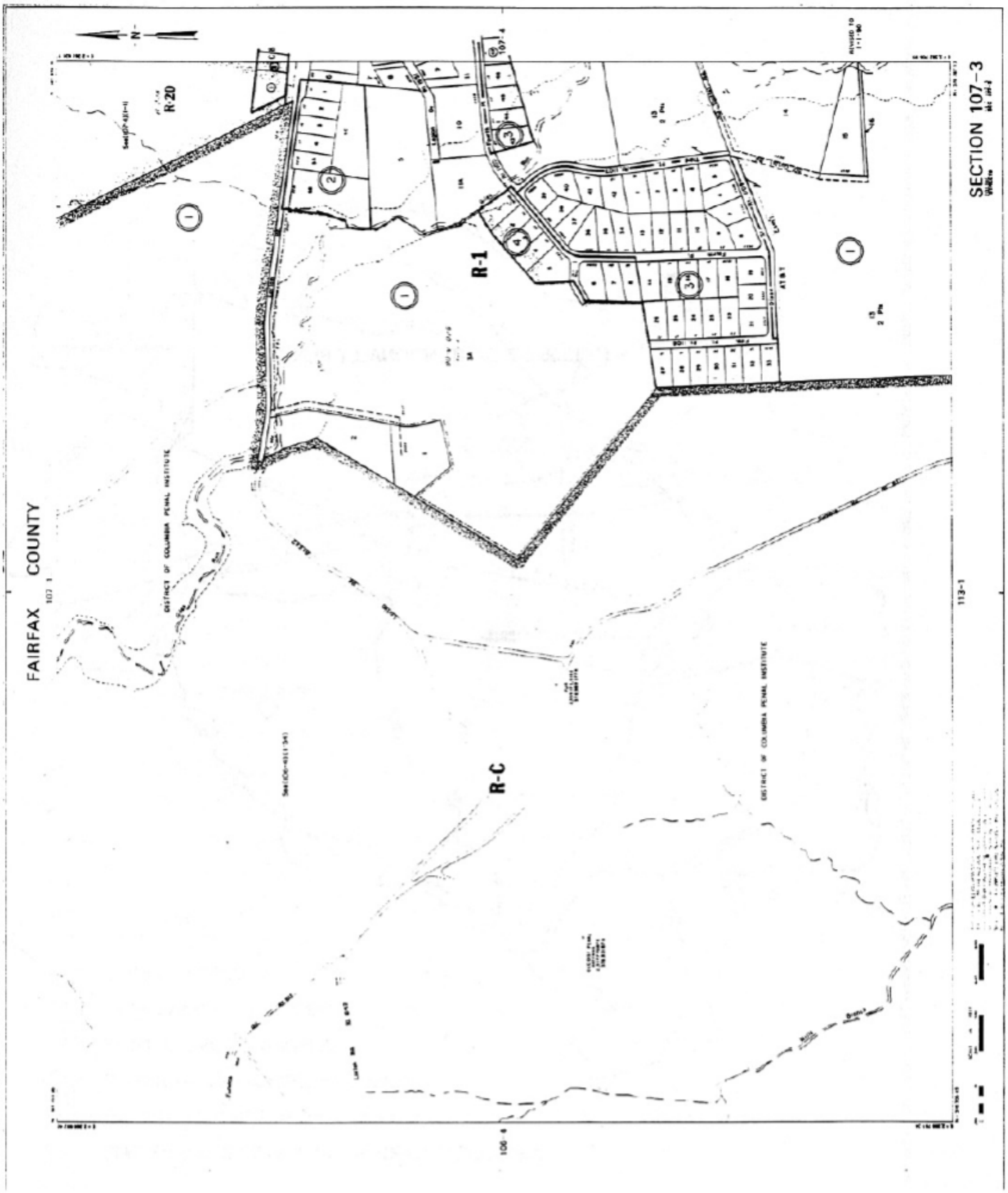
Facility: I-95 Energy Resource Recovery Facility

Facility Type	Mass Burn, Waste-to-Energy Facility
Owner	Covanta Fairfax, Inc. Covanta Energy 9898 Furnace Road Lorton, VA 22079 (703) 690-6860
Contact	Fairfax County Department of Public Works and Environmental Services Division of Solid Waste Disposal & Resource Recovery 12000 Government Center Parkway, Suite 448 Fairfax, Virginia 22035 (703) 324-5230
Location	Mt Vernon District; in Lorton, adjacent to Furnace Road near Interstate 95; in the County's I-95 Complex
Vicinity Map	Tax Map 107-3
State Permit Number	• Virginia Pollutant Discharge Elimination System Permit # VA0090638 Wastewater Discharge Permit # A51104 • Prevention of Significant Deterioration Permit # 71920 • Solid Waste Facility Permit # 510
Date Operational	1990
Date Closed	Still in operation
Site Size	Approximately 23 acres
Wastes Managed	Combustible solid waste from Fairfax County and small amounts from other local jurisdictions
Capacity	Design: 930,750 tons/year (based on 5500 Btu/lb) Daily: 3,000 tons/day Total: Between 1,000,000 and 1,095,000 tons annually
Electrical Generation	80 megawatts of power that is sold to Dominion Virginia Power
Environmental Protection Features	• Reduces waste 75% by weight and 90% by volume requiring less space to landfill the ash • Recovers ferrous and non-ferrous metals from processed ash • Has state-of-the-art air pollution control equipment (APC) that is constantly monitored by a Continuous Emissions Monitoring System (CEMS) • APC equipment for each boiler unit consists of a semi-dry acid gas scrubber, carbon injection system, aqueous ammonia injection system, and fabric filter baghouse • Dolomitic lime system added in 2004 to further condition the ash before it is landfilled so that metals and other materials cannot leach out of the ash • Considered a renewable fuel source in Virginia for the production of energy • Produces less harmful emissions than comparable coal fired power plants in the area that produce electricity

Graphic of the I-95 Energy/Resource Recovery Facility Showing Waste Processing Flow



VICINITY MAP -- I-95 ENERGY/RESOURCE RECOVERY FACILITY



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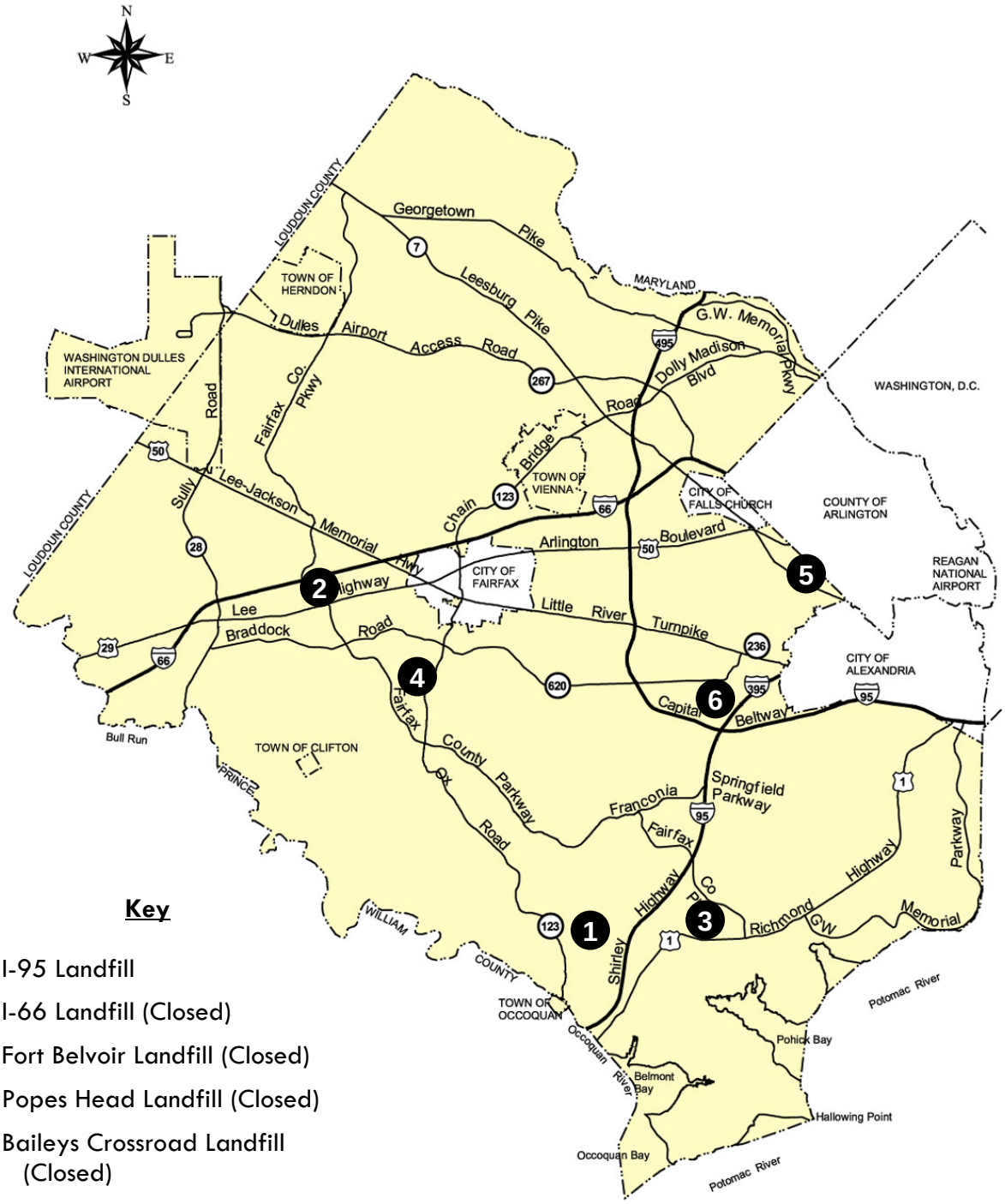
Municipal Solid Waste Landfill Locations



Key

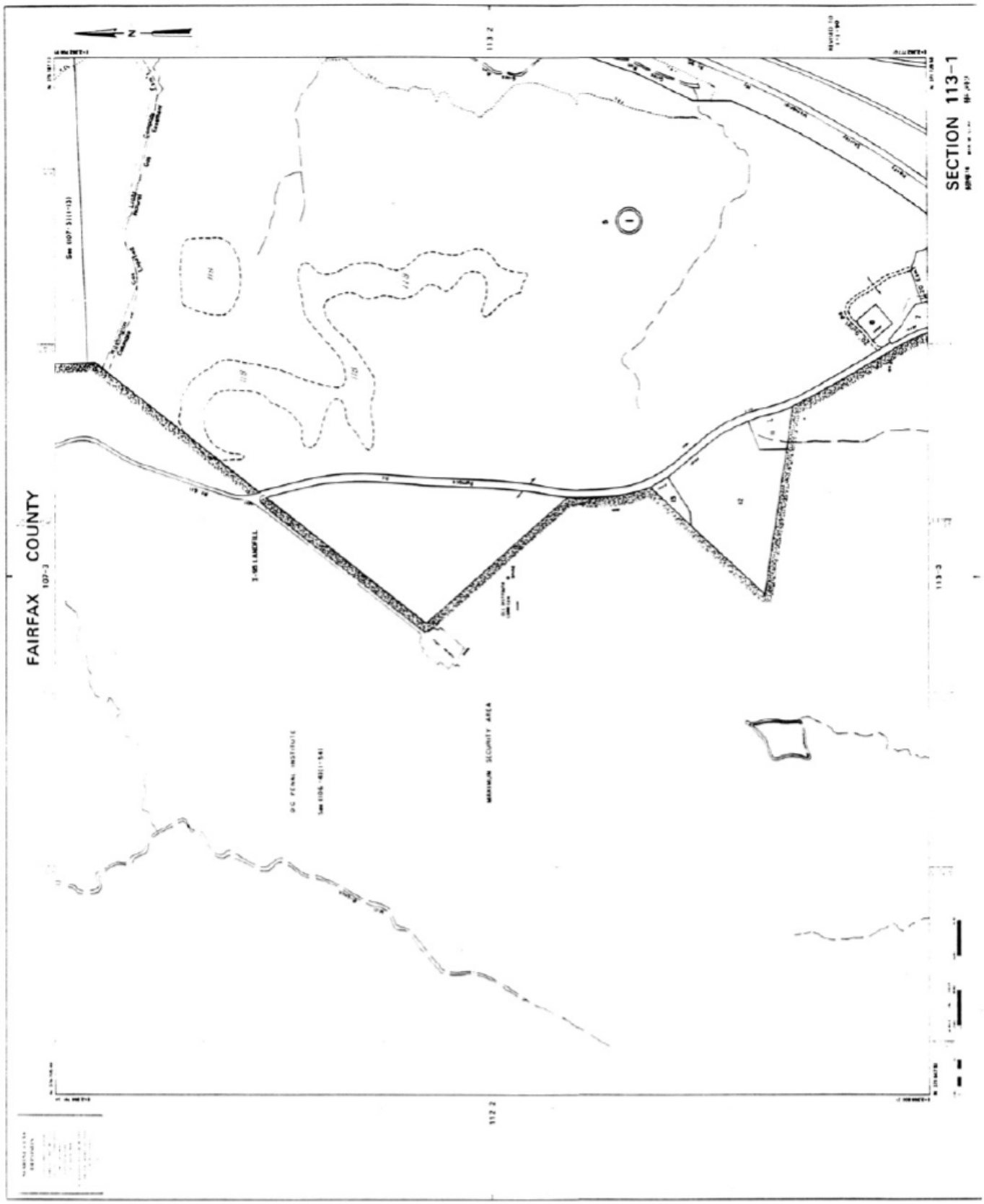
1. I-95 Landfill
2. I-66 Landfill (Closed)
3. Fort Belvoir Landfill (Closed)
4. Popes Head Landfill (Closed)
5. Baileys Crossroad Landfill (Closed)
6. Shirley Industrial Park Property (Closed)

Courtesy of Fairfax County GIS and Mapping Services 2002

Facility: I-95 Landfill

Facility Type	Sanitary Landfill
Owner/Contact	Fairfax County Department of Public Works and Environmental Services Division of Solid Waste Disposal & Resource Recovery 12000 Government Center Parkway, Suite 448 Fairfax, Virginia 22035 (703) 324-5230
Location	Mt. Vernon District; in Lorton, adjacent to Furnace Road near Interstate 95
Vicinity Map	Tax Maps 106-4, 107-3, 112-2, 113-1
State Permit Number	No. 103 (Virginia Department of Environmental Quality)
Date Operational	1971
Date Closed	Sanitary landfill operations ceased December 31, 1995; currently used only for ash generated by waste-to-energy facilities
Site Size	Approximately 290 acres
Wastes Managed	Ash from Fairfax County I-95 Energy/Resource Recovery Facility, Arlington/Alexandria Waste-to-Energy Facility, and Noman M. Cole, Jr. Pollution Control Plant
Capacity	Design: 40.08 million cubic yards Daily: 1,100 tons per day of ash Total: still operational for ash landfilling
Environmental Protection Features	Monitoring of surface and ground water; methane monitoring, control and recovery systems from closed landfill. Area Three lined landfill has a double composite liner with leachate collection and detection systems.
Miscellaneous	This is a monofill for E/RRF ash. Phases I and II of the MSW portion of the landfill are closed. Phases III and IV (135 acres) closure work is in progress and will be completed by 2006.

VICINITY MAP -- I-95 LANDFILL



Facility: I-66 Landfill

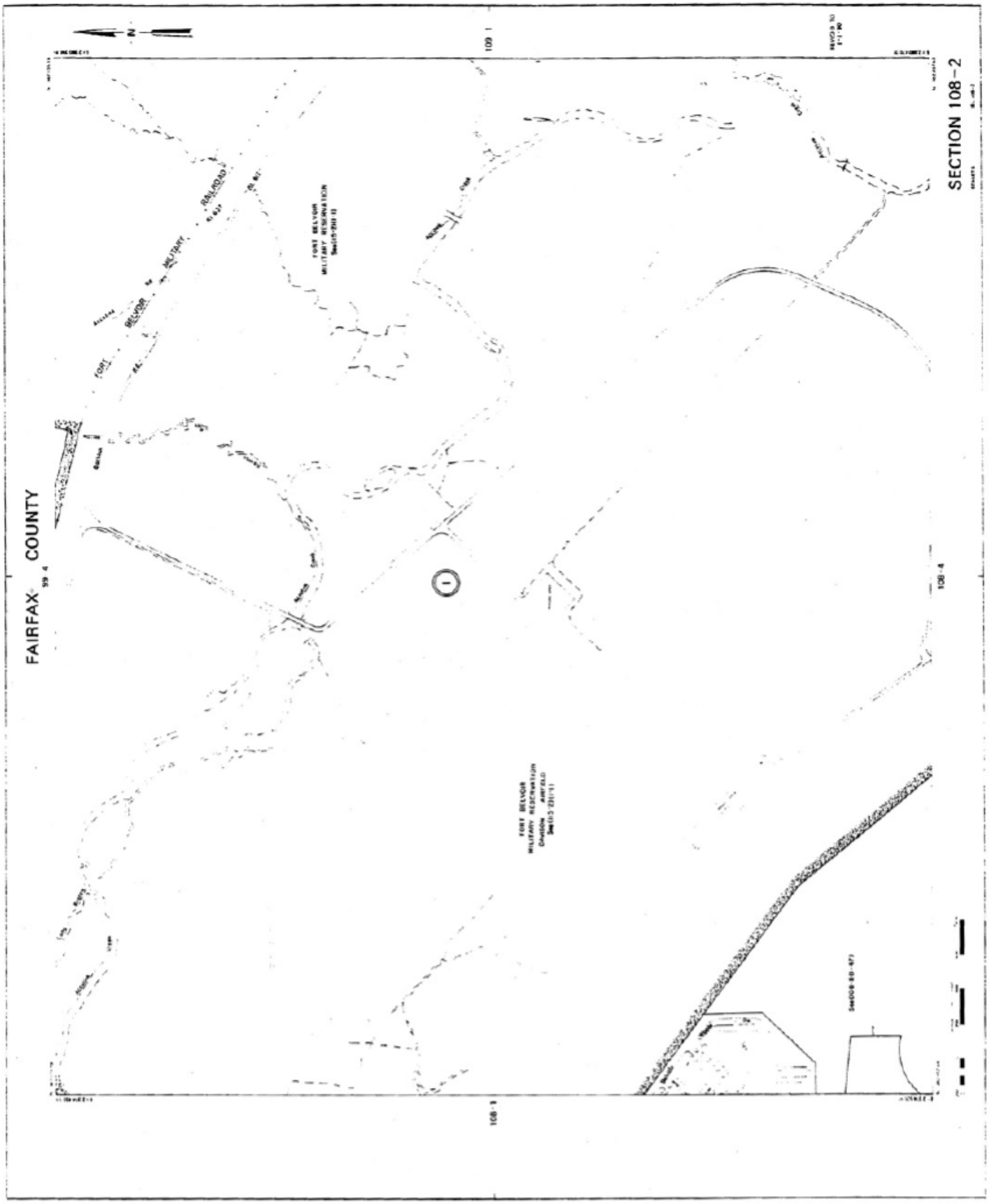
Facility Type	Sanitary Landfill
Owner/Contact	Fairfax County Department of Public Works and Environmental Services Division of Solid Waste Disposal & Resource Recovery 12000 Government Center Parkway, Suite 448 Fairfax, Virginia 22035 (703) 324-5230
Location	Springfield District; on West Ox Road adjacent to I-66 Transfer Station 4618 West Ox Road, Fairfax, VA 22030.
Vicinity Map	Tax Map 55-2
State Permit Number	Permit No. 53 (Department of Health)
Date Operational	1963
Date Closed	1982
Site Size	The site includes 113 acres; 108 acres were designated for fill.
Wastes Managed	Wastes generated from Fairfax County homes and businesses.
Capacity	Design: 12.1 million cubic yards
Environmental Protection Features	Monitoring of ground water (11 wells); methane monitoring and control systems.

VICINITY MAP -- I-66 LANDFILL

Facility: Ft. Belvoir Sanitary Landfill

Facility Type	Sanitary Landfill; unlined
Owner/Contact	Mr. Pat McLaughlin U.S. Army Environmental and Natural Resources Division Ft. Belvoir, VA 22060 (703) 664-1232
Location	The landfill is located on the main post of Fort Belvoir, south of Davison Airfield near US Route 1
Vicinity Map	Tax Map 108-2
State Permit Number	Permit No. 308
Date Operational	Unknown
Date Closed	Unknown (Closure activities were expected to begin in 1992)
Site Size	Unknown
Wastes Managed	Refuse generated by Ft. Belvoir operations.
Capacity	Design: unknown Daily: 55 tons per day (6 days/week) Total: still operational
Environmental Protection Features	Unknown

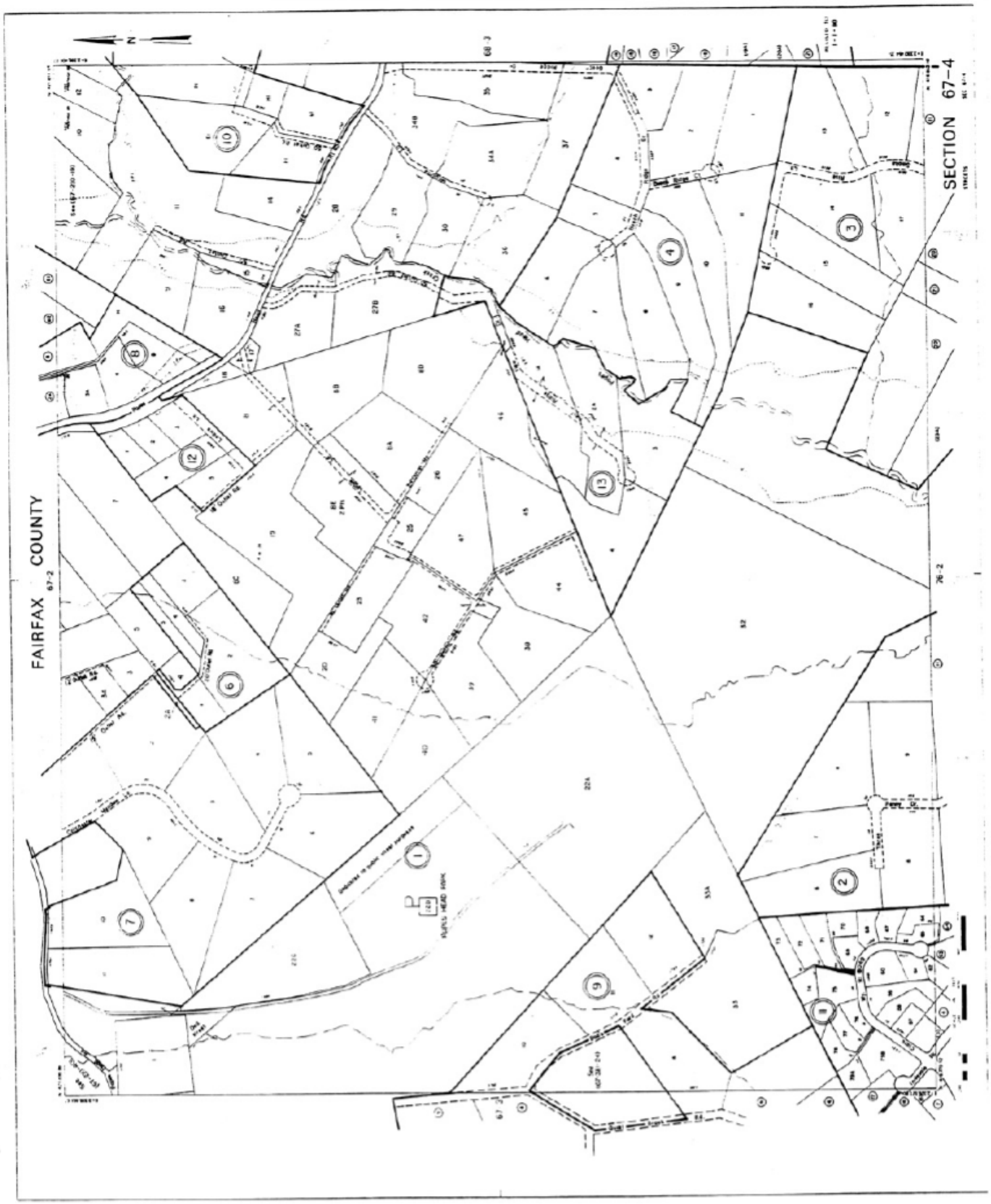
VICINITY MAP -- FT. BELVOIR SANITARY LANDFILL



Facility: Popes Head Landfill

Facility Type	Sanitary Landfill
Owner/Contact	Fairfax County Department of Public Works and Environmental Services Division of Solid Waste Disposal & Resource Recovery 12000 Government Center Parkway, Suite 448 Fairfax, Virginia 22035 (703) 324-5230
Location	Springfield District; south side of Popes Head Road, between Colchester Meadow Lane and Ladue Lane
Vicinity Map	Tax Map 67-4 ((1))
State Permit Number	Unknown
Date Operational	1956
Date Closed	1963
Site Size	97.4 acres
Wastes Managed	Wastes generated by Fairfax County residences and businesses.
Capacity	Unknown
Environmental Protection Features	Unknown
Miscellaneous	Land use was redesignated as park/police use in 1971; the area is now called Popes Head Park and is used as a pistol range and obstacle course by the police and a storage area for the Maintenance and Construction Division of the Department of Public Works.

VICINITY MAP -- POPES HEAD LANDFILL



Facility: Bailey's Crossroads Landfill

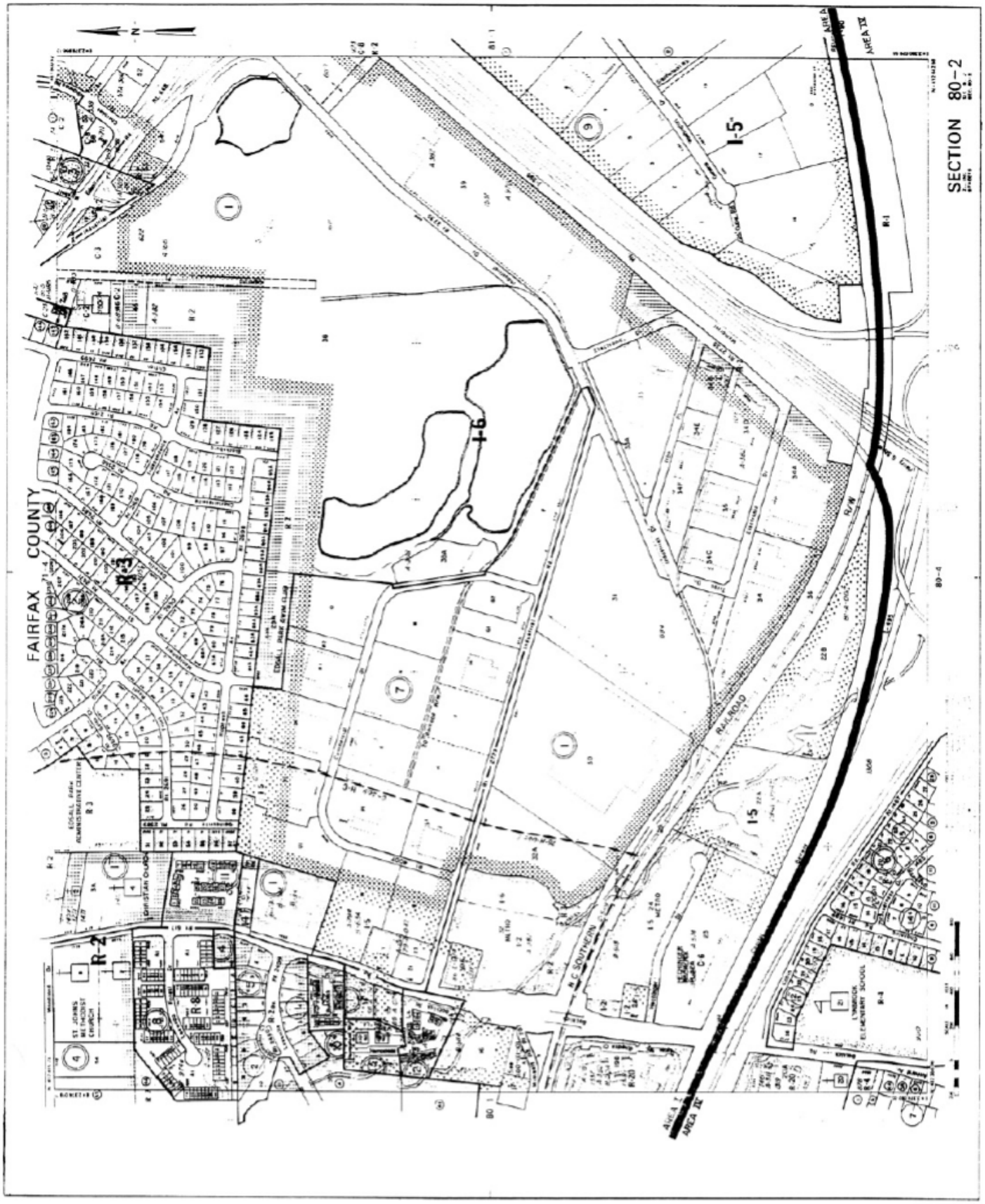
Facility Type	Sanitary Landfill
Owner/Contact	Fairfax County Department of Public Works and Environmental Services Division of Solid Waste Disposal & Resource Recovery 12000 Government Center Parkway, Suite 448 Fairfax, Virginia 22035 (703) 324-5230
Location	Unknown
Vicinity Map	Tax Map 62-1
State Permit Number	Unknown
Date Operational	1951
Date Closed	1956
Site Size	Unknown
Wastes Managed	Unknown
Capacity	Unknown
Environmental Protection Features	Unknown

VICINITY MAP -- BAILEY'S CROSSROADS LANDFILL

Facility: Shirley Industrial Park Property

Facility Type	Sanitary Landfill
Owner/Contact	Fairfax County Department of Public Works and Environmental Services Division of Solid Waste Disposal & Resource Recovery 12000 Government Center Parkway, Suite 448 Fairfax, Virginia 22035 (703) 324-5230
Location	Unknown
Vicinity Map	Tax Map 80-2
State Permit Number	Unknown
Date Operational	1954
Date Closed	1956
Site Size	Unknown
Wastes Managed	Unknown
Capacity	Unknown
Environmental Protection Features	Unknown

VICINITY MAP -- SHIRLEY INDUSTRIAL PARK PROPERTY



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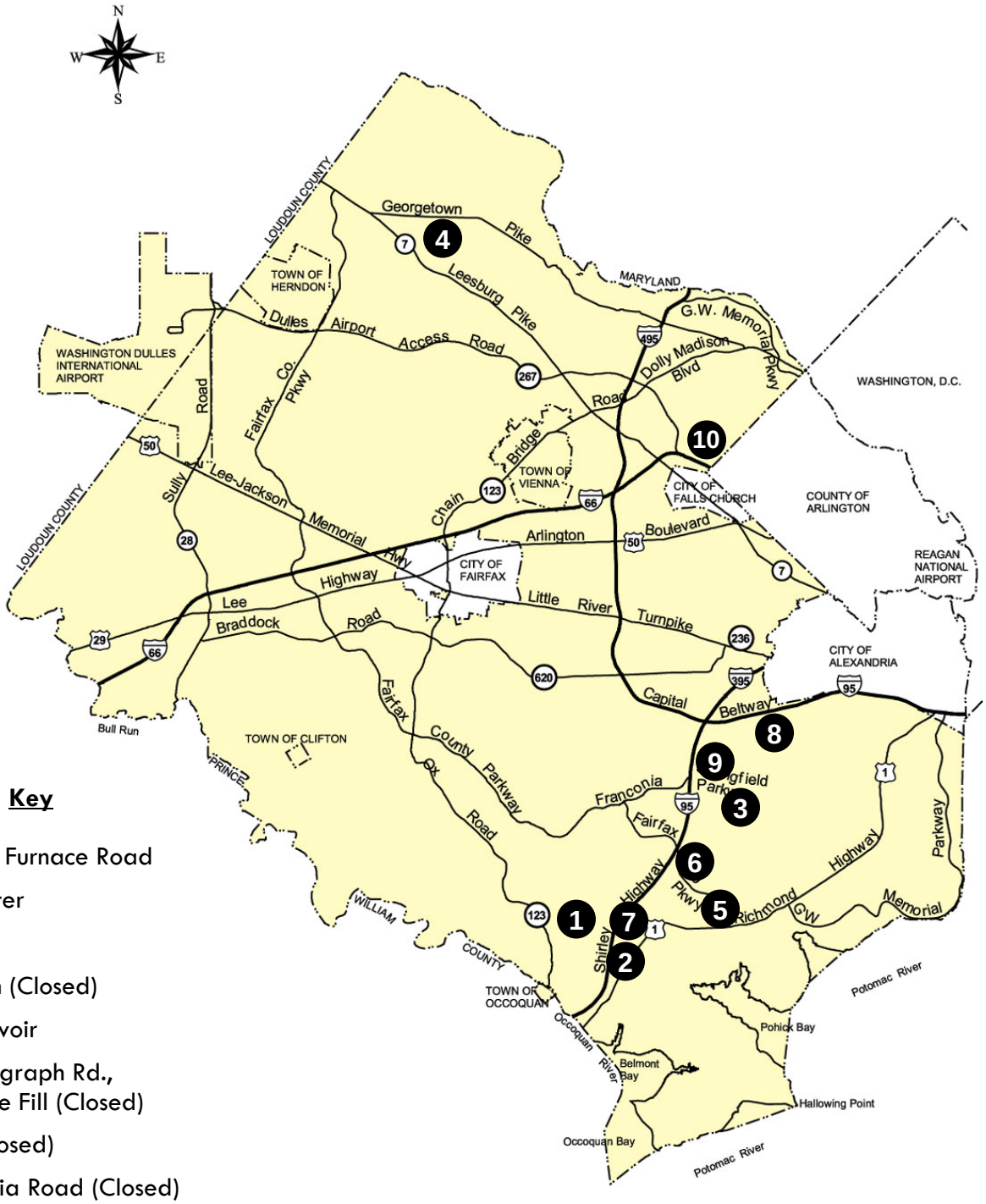
Construction/Demolition/Debris Landfill Locations



Key

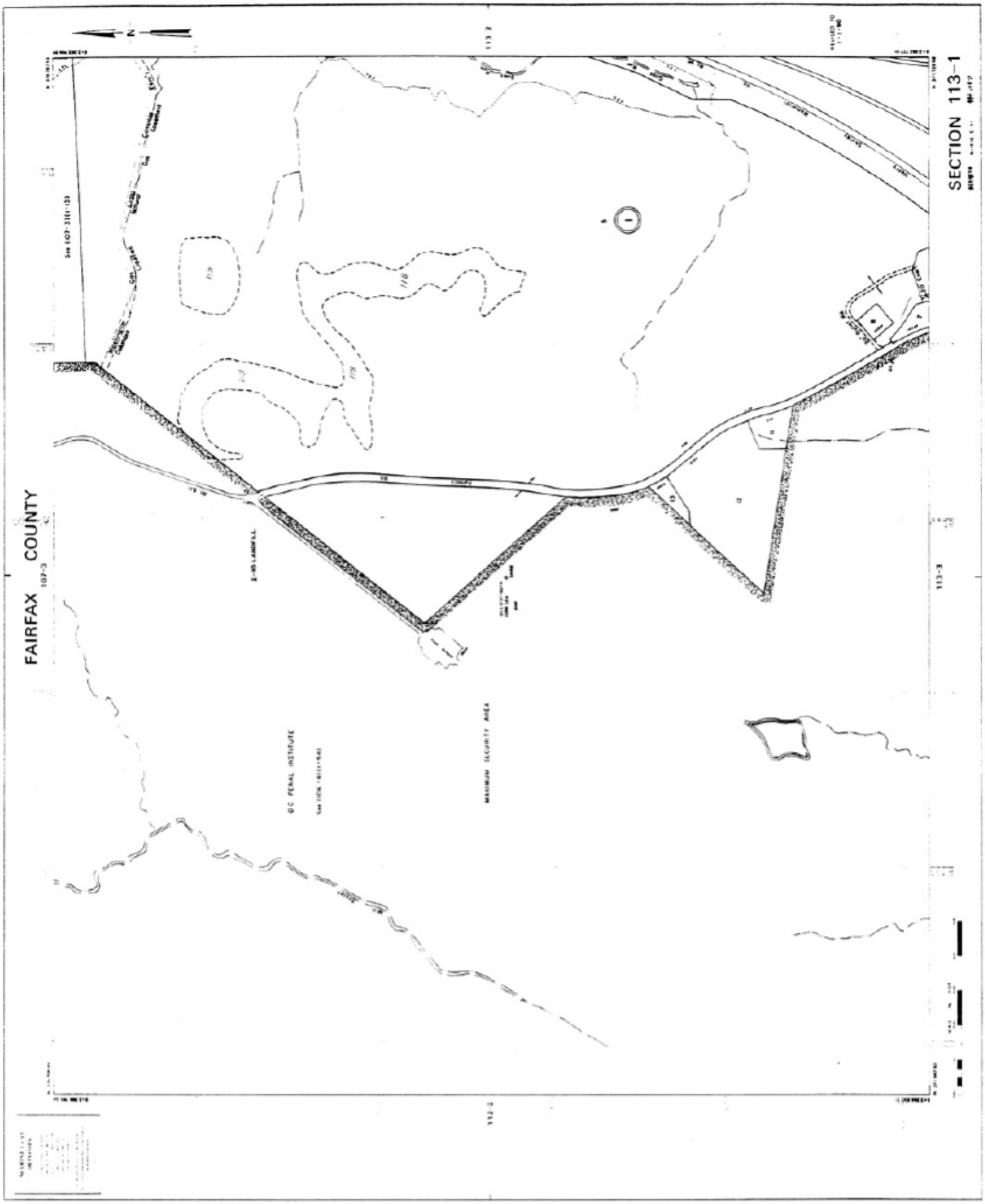
1. Lorton - Furnace Road
2. Rainwater
3. Hilltop
4. Crippen (Closed)
5. Fort Belvoir
6. BFI Telegraph Rd., Rubble Fill (Closed)
7. E&R (Closed)
8. Franconia Road (Closed)
9. Louisdale Road (Closed)
10. Sewell (Closed)

Courtesy of Fairfax County GIS and Mapping Services 2002

Facility: Lorton Furnace Road

Facility Type	Debris Landfill
Owner/Contact	Potomac Disposal Services (703) 560-8866
Location	Mt. Vernon District; 1001 Furnace Road
Vicinity Map	Tax Map 113-1 ((1)) 5, 8, and 113-3 ((1)) 1
State Permit Number	Permit No. 331; County Special Exception (80-L/V-061) issued in 1981
Date Operational	1979
Date Closed	Still in operation
Site Size	249.3 acres
Wastes Managed	CDD as allowed by county ordinance
Capacity	Unknown
Environmental Protection Features	Includes three permanent ground water monitoring wells and four surface waste sampling sites
Miscellaneous	Post closure plans include planting of trees onsite. Financial obligations include a $91,900 restoration bond, a $40,000 leachate control plan, and a $9,180 conservation bond.

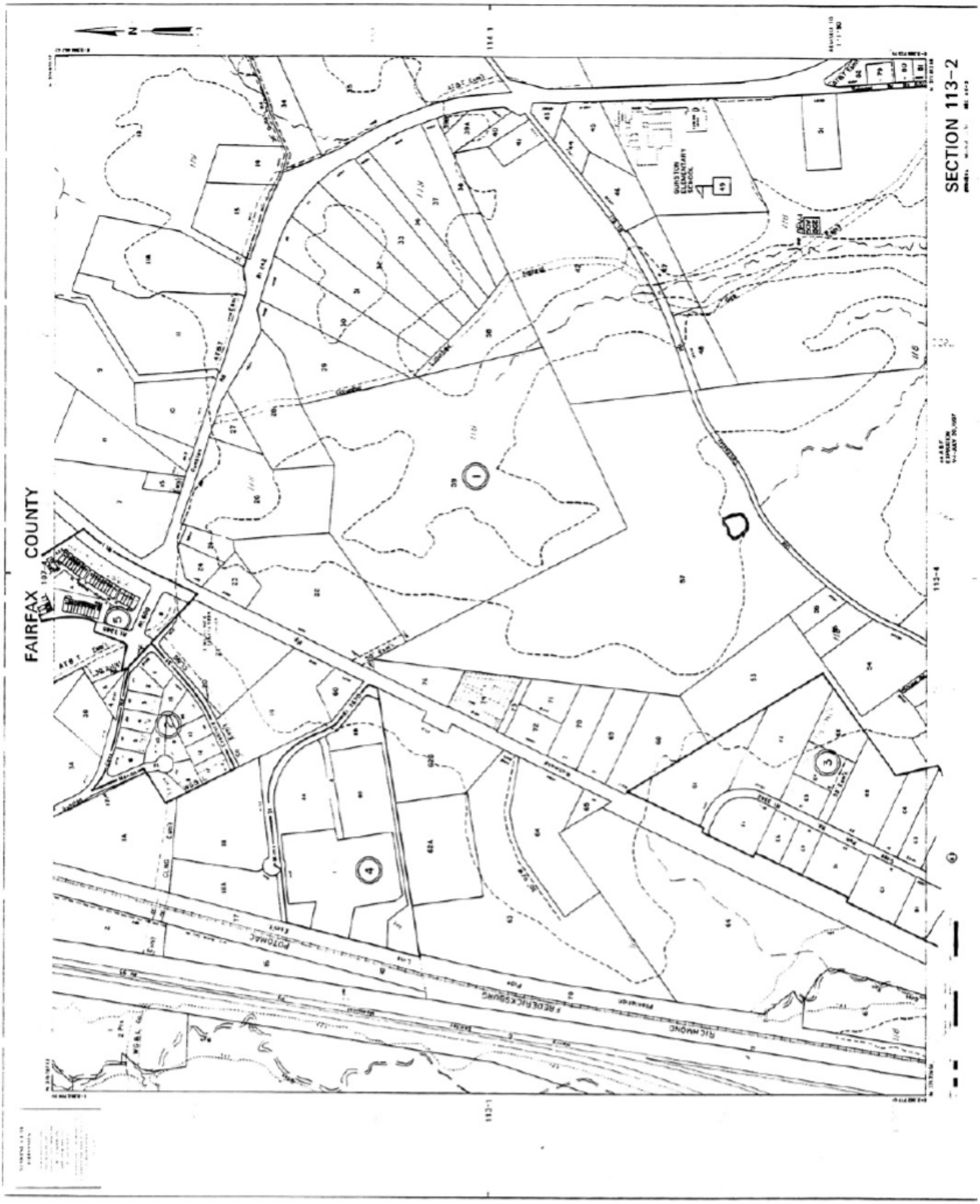
VICINITY MAP -- LORTON FURNACE ROAD LANDFILL



Facility: Rainwater Concrete Company

Facility Type	Debris Landfill
Owner/Contact	Ray Rainwater or Nelson Coffman, Landfill Director 9917 Richmond Highway (P.O. Box 200) Lorton, VA 22079 (703) 550-9257
Location	Mt. Vernon District; 9917 Richmond Highway
Vicinity Map	Tax Map 113-2 ((1)) 42, 57, and 58
State Permit Number	Permit No. 327
Date Operational	1979
Date Closed	Still in operation
Site Size	115 acres
Wastes Managed	CDD as allowed by county ordinance
Capacity	Design: 6,000,00 cubic yards Daily: unknown Total: still operational
Environmental Protection Features	Includes five well sites and four outfall monitoring sites. Leachate and calcium chloride have been spread onto the gravel access road (purpose - unknown).
Miscellaneous	Post closure plans include the building of several houses on the property. No restoration surety is necessary, but a $3,000 conservation bond is required.

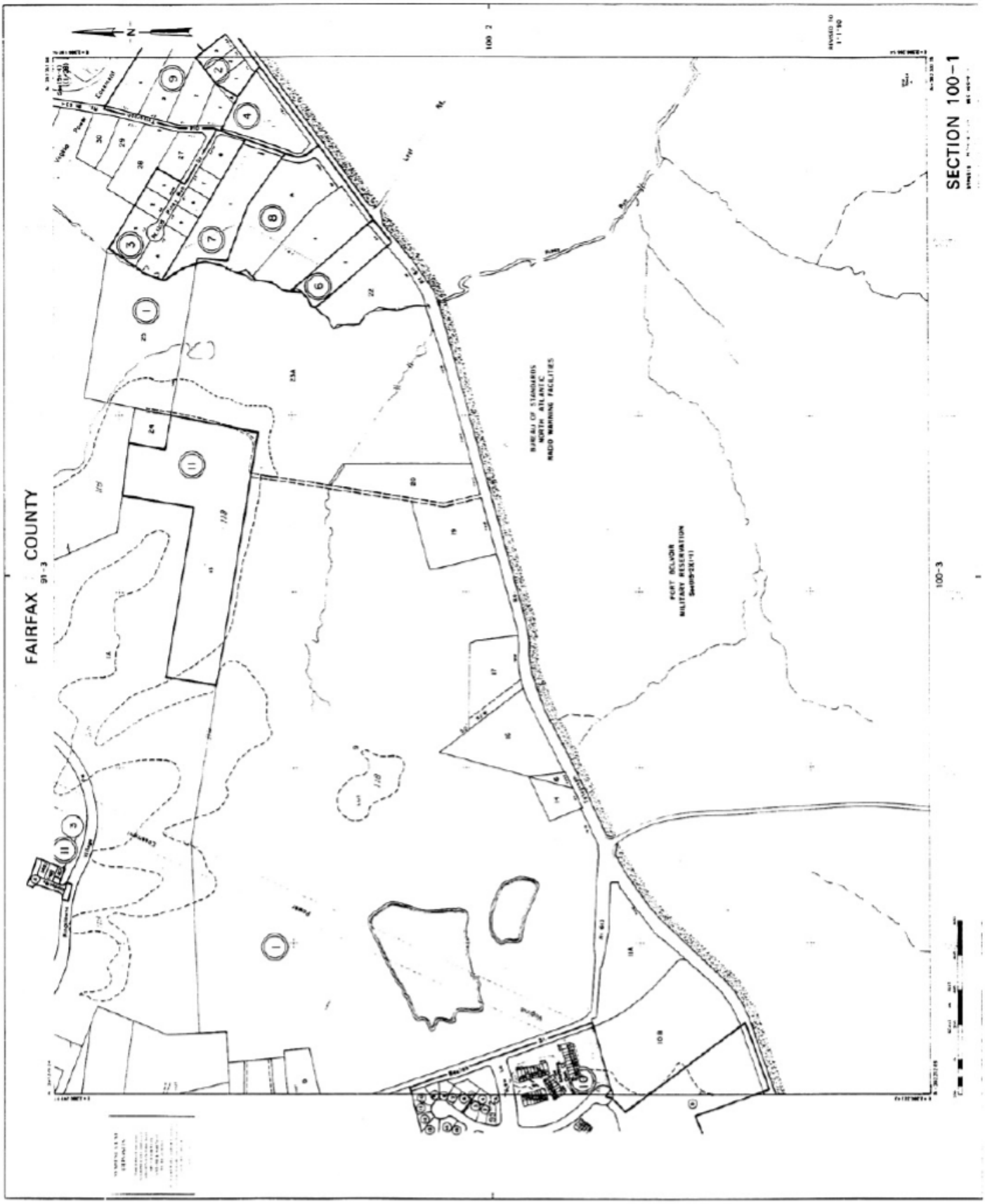
VICINITY MAP -- RAINWATER DEBRIS LANDFILL



Facility: Hilltop Sand and Gravel Landfill

Facility Type	Debris Landfill
Owner/Contact	Clemens Gailliot 7950 Telegraph Road Alexandria, VA 22310 (703) 971-1434
Location	Lee District; 7950 Telegraph Road
Vicinity Map	Tax Map 100-1 ((1)) 9
State Permit Number	Permit No. 326; County Special Exemption Permit (78-L-074-3); special amendment in 1987 to expand volume conditional upon development stipulations.
Date Operational	1979
Date Closed	Still in operation
Site Size	132 acres (145.56 acres); 90 acres active
Wastes Managed	CDD as allowed by county ordinance
Capacity	Design: 7,000,00 cubic yards; 1,500,000 cubic yard expansion Daily: 1,110 cubic yards/day (5.5 days/week) Total: still operational
Environmental Protection Features	Includes surface water monitoring that began in August 1980. No ground waste monitoring is performed.
Miscellaneous	A $93,000 letter of credit for restoration; a $40,000 leachate control plan; and, a 15,400 conservation deposit is required.

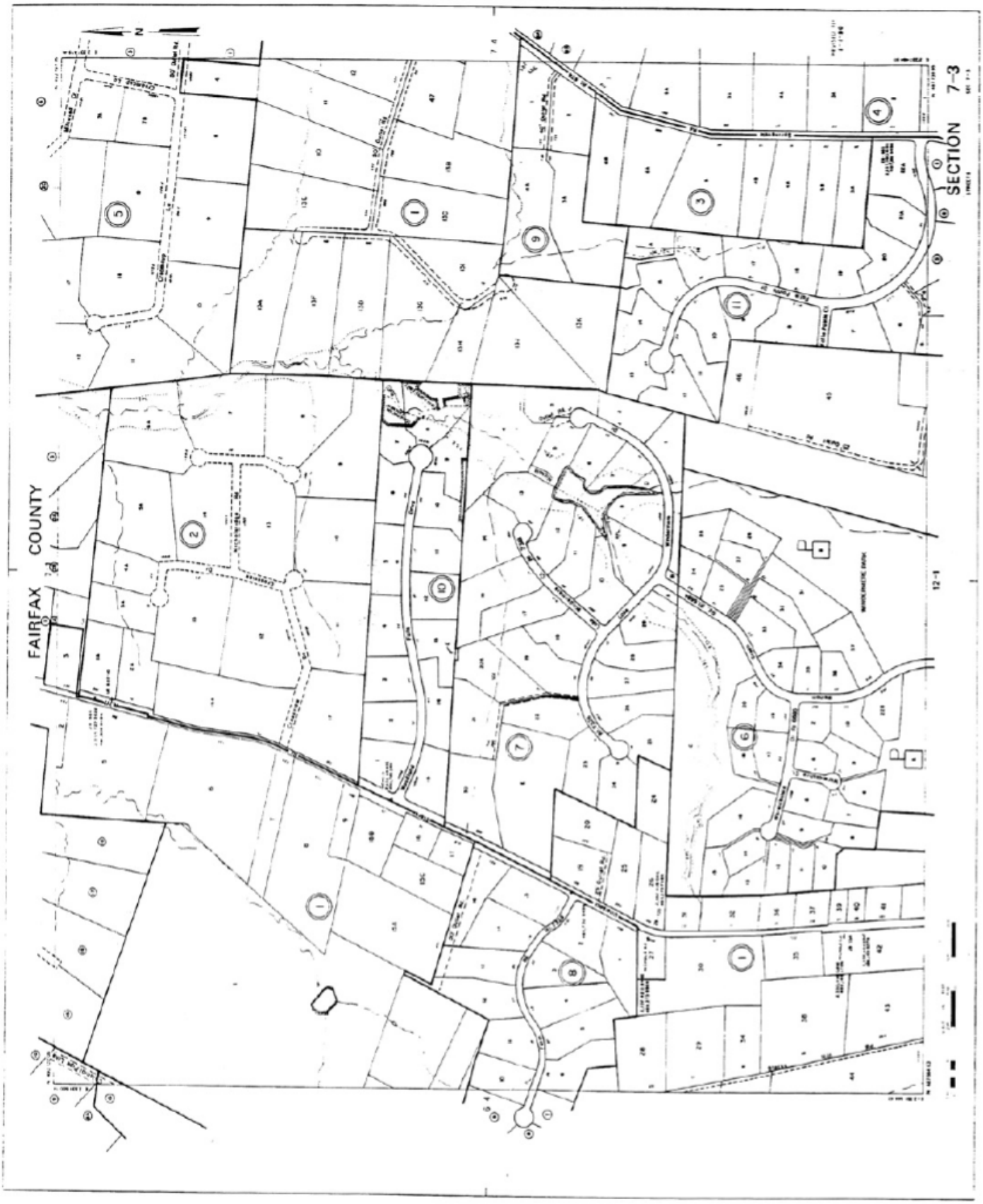
VICINITY MAP -- HILLTOP SAND AND GRAVEL LANDFILL



Facility: Crippen Stump Dump, Inc.

Facility Type	Debris Landfill
Owner/Contact	Lock Crippen 820 Utterback Store Road Great Falls, VA 22066 (703) 450-5650
Location	Dranesville District; west of Utterback Road (SR 717), east of SR 602, north of US193
Vicinity Map	Tax Map 7-3 ((1))
State Permit Number	Grandfather exemption, Special Exemption permit
Date Operational	1971
Date Closed	Closed; consent decree for closure issued in November 1988; closure plan submitted in March 1990
Site Size	66 acres (65.8 acres); 50 acres for debris fill
Wastes Managed	Primarily inert CDD, large stumps, scrap metals; all asbestos was removed or not accepted; bulk paper was accepted at one time; accepted leaves in bulk.
Capacity	Design: 4,000,00 cubic yards Daily: 330 cubic yards (1987) to 540 cubic yards (1985/1986) Total: exceeded capacity
Environmental Protection Features	Includes a perimeter ditch which directs water to a silt pond (silt fences are also used). There are five monitoring wells (as of March 1990) and two surface water monitoring points. Tests were conducted semi-annually (May and November).
Miscellaneous	Bonds and other fiscal responsibilities include a $125,000 personal surety, a restoration bond, and a $6,000 conservation bond.

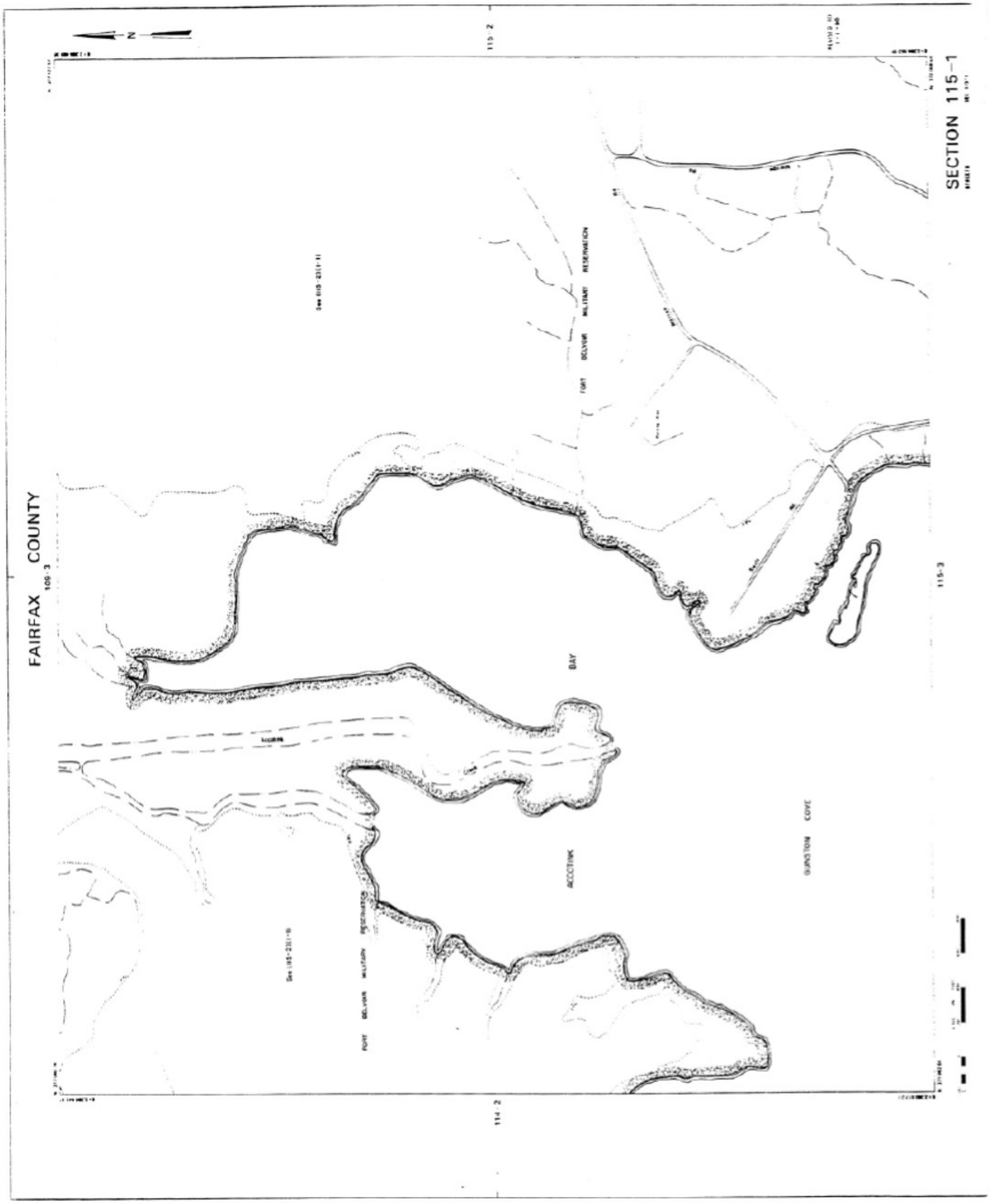
VICINITY MAP -- CRIPPEN STUMP DUMP, INC.



Facility: Fort Belvoir Debris Landfill

Facility Type	Debris Landfill
Owner/Contact	Mr. Pat McLaughlin U.S. Army Environmental and Natural Resources Division Ft. Belvoir, VA 22060 (703) 664-1232
Location	Mt. Vernon District; on the main post of Ft. Belvoir off of Warren Road
Vicinity Map	Tax Map 115-1
State Permit Number	Permit No. 490
Date Operational	1978
Date Closed	Unknown; closure activities were expected to begin in 1992
Site Size	Unknown
Wastes Managed	CDD as allowed by county ordinance
Capacity	Design: unknown Daily: 15 tons per day (6 days per week) Total: unknown
Environmental Protection Features	Unknown

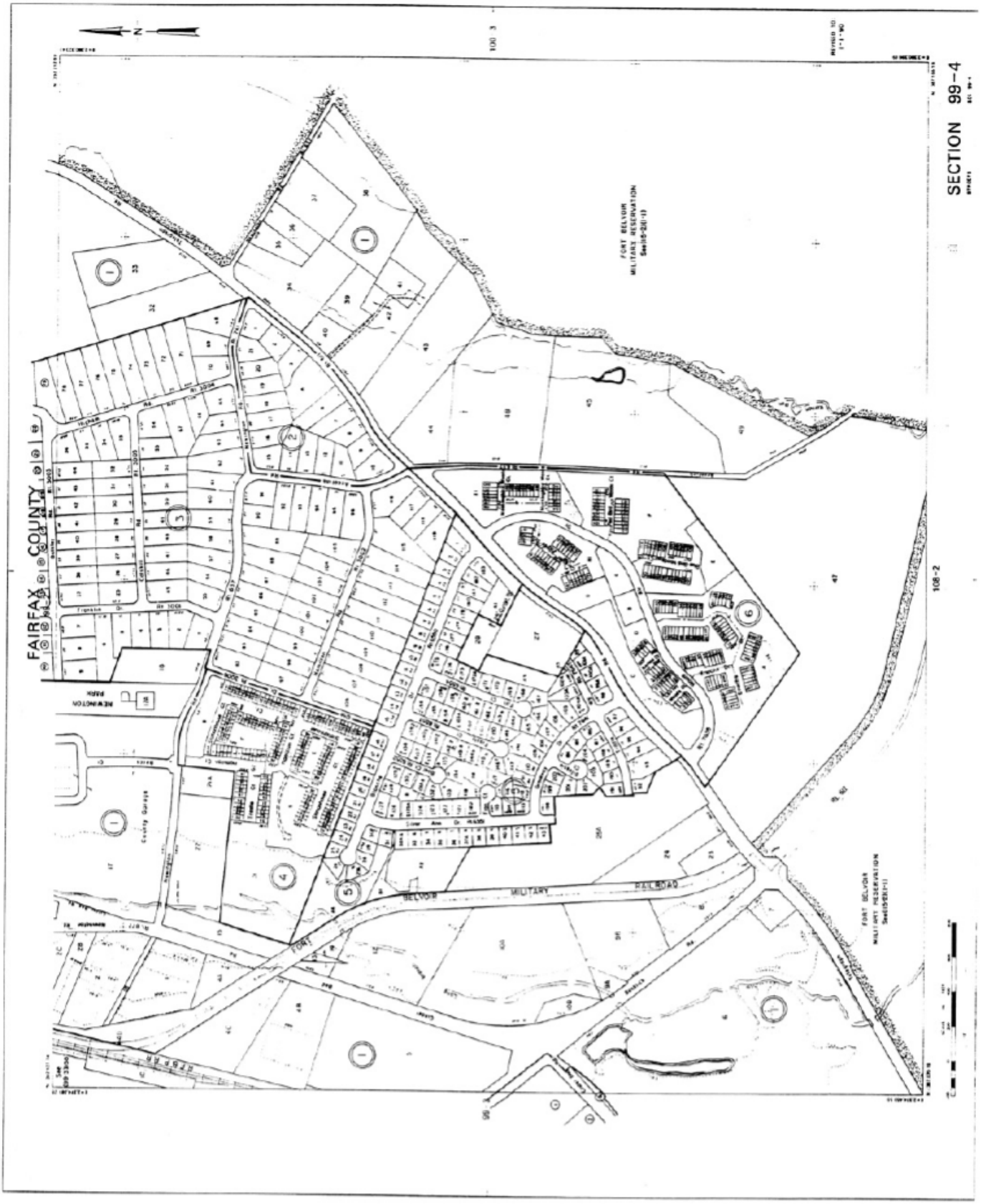
VICINITY MAP -- FT. BELVOIR DEBRIS LANDFILL



Facility: BFI Telegraph Road Rubble Landfill

Facility Type	Debris Landfill
Owner/Contact	Mr. David White BFI Regional Manager Eastern Region
Location	Mt. Vernon District; 11830 Telegraph Road, near the intersection of Backlick and Telegraph Road, adjacent to Accotink Creek and Gateway 95 Business Park.
Vicinity Map	Tax Map 99-4 (11) 6
State Permit Number	County Special Exception 82-V-080
Date Operational	1979
Date Closed	1981
Site Size	67.5 acres
Wastes Managed	CDD as allowed by county ordinance; additionally accepting paper at the time of closure.
Capacity	Design: unknown Daily: average 3,500 cubic yards per day Total: unknown
Environmental Protection Features	Landfill gas problems existed (nature of problem unknown); nine gas exploration/monitoring wells were installed as of 1985.

VICINITY MAP -- BFI TELEGRAPH ROAD RUBBLE LANDFILL



Facility: E&R

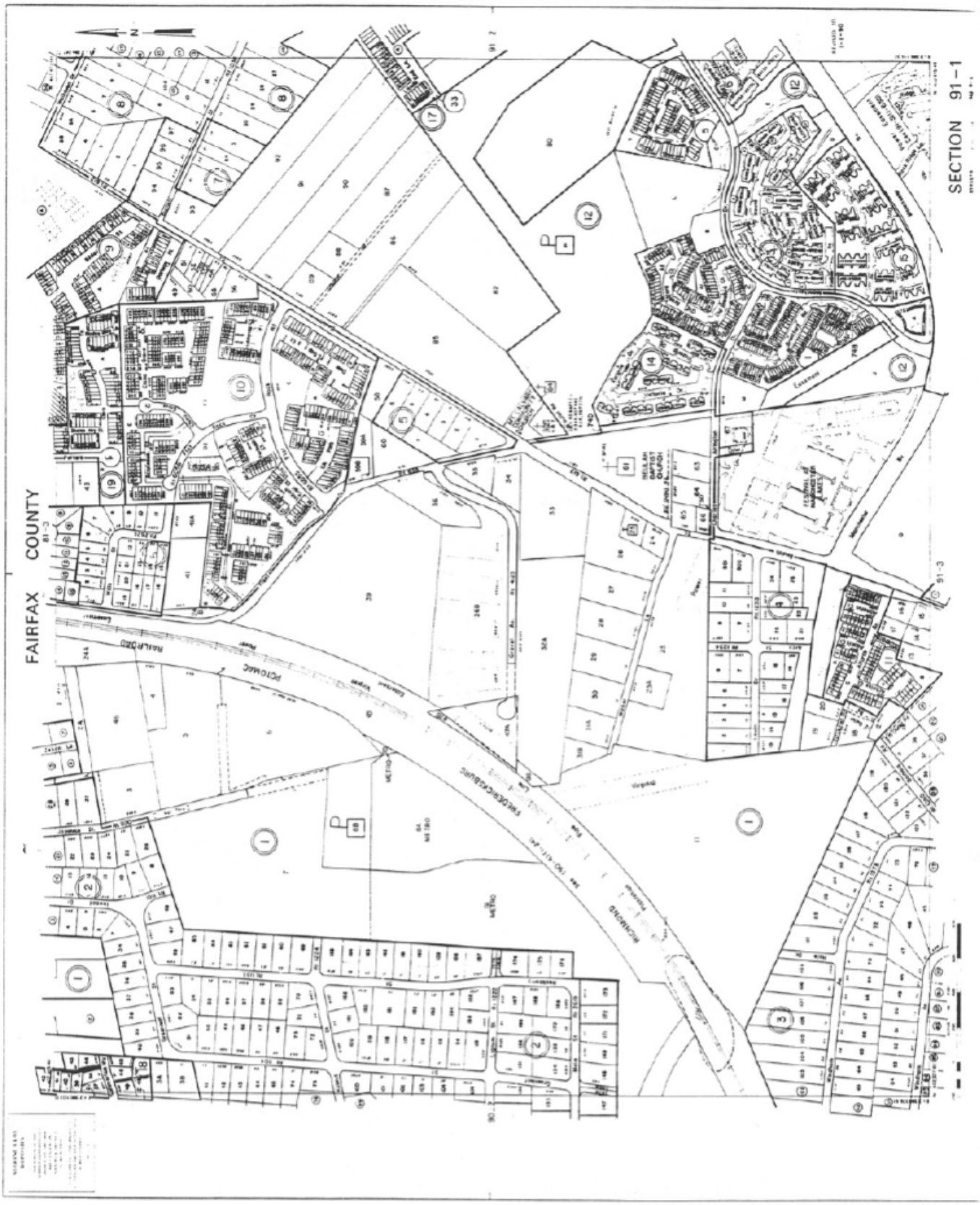
Facility Type	Debris Landfill
Owner/Contact	Unknown
Location	Mt. Vernon District
Vicinity Map	Tax Map 107-4 ((1)) 52
State Permit Number	Unknown
Date Operational	1974
Date Closed	1984
Site Size	Unknown
Wastes Managed	Unknown
Capacity	Unknown
Environmental Protection Features	Unknown

VICINITY MAP -- E&R DEBRIS LANDFILL

Facility: Franconia Road

Facility Type	Debris Landfill
Owner/Contact	Unknown
Location	Lee District
Vicinity Map	Tax Map 91-1 ((1)) 74-79, and 81 (latest property identification number available - not on current tax map)
State Permit Number	Unknown
Date Operational	Unknown
Date Closed	1979
Site Size	Unknown
Wastes Managed	Unknown.
Capacity	Unknown
Environmental Protection Features	Unknown

VICINITY MAP -- FRANCONIA ROAD DEBRIS LANDFILL

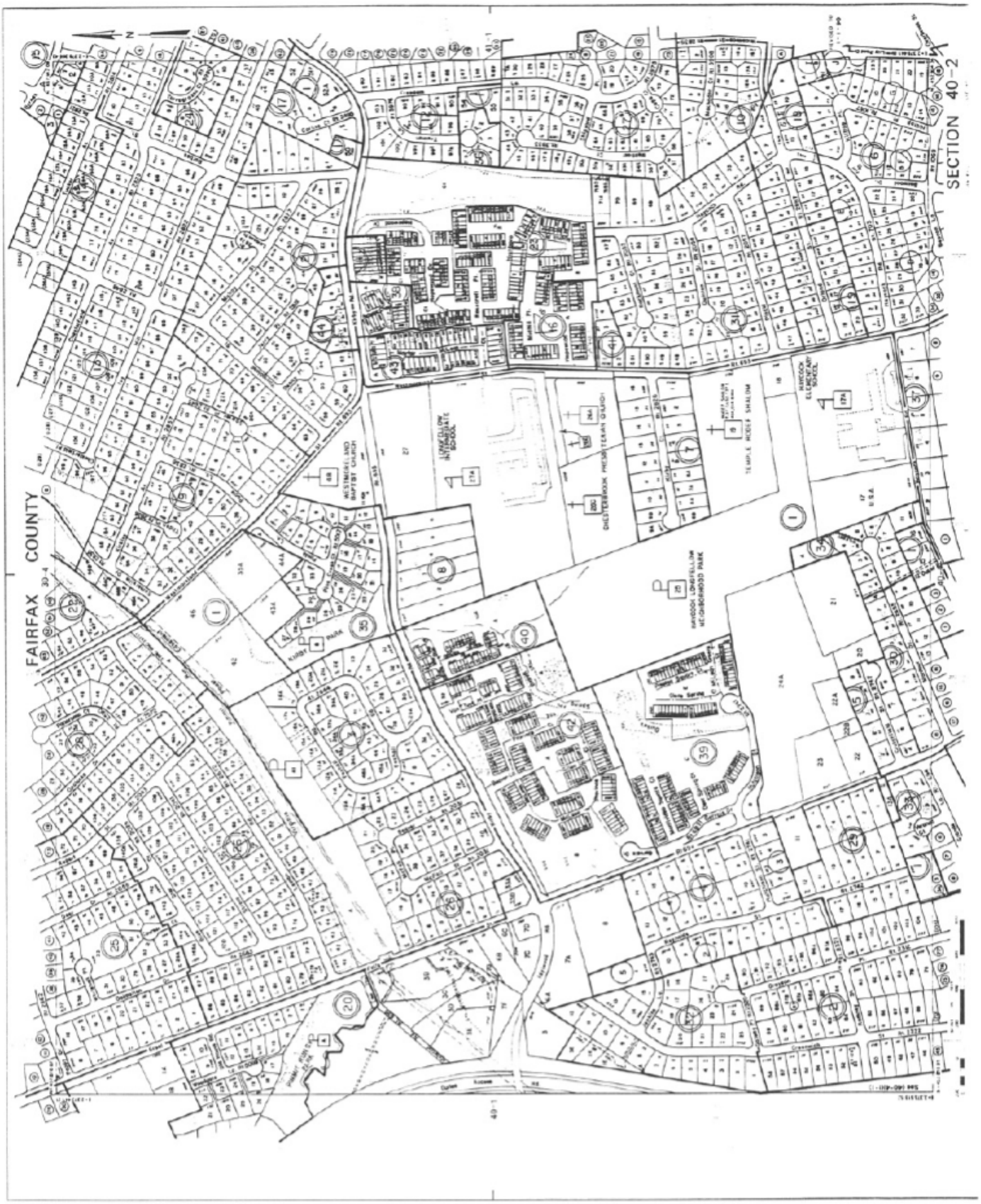


Facility: Louisdale

Facility Type	Debris Landfill
Owner/Contact	Unknown
Location	Lee District
Vicinity Map	Tax Map 90-4 ((1)) 6
State Permit Number	Unknown
Date Operational	Unknown
Date Closed	1979
Site Size	Unknown
Wastes Managed	Unknown
Capacity	Unknown
Environmental Protection Features	Unknown

VICINITY MAP – LOUISDALE DEBRIS LANDFILL

Facility: Sewell

Facility Type	Debris Landfill
Owner/Contact	Unknown
Location	Dranesville District
Vicinity Map	Tax Map 40-2 ((39))
State Permit Number	Unknown
Date Operational	1974
Date Closed	1979
Site Size	Unknown
Wastes Managed	Unknown
Capacity	Unknown
Environmental Protection Features	Montevideo Square Apartments are now located on the site.

VICINITY MAP -- SEWELL DEBRIS LANDFILL