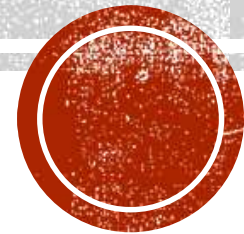


HOWEY-IN-THE-HILLS LANDFILL

A Review of a Half-Century of Solid Waste Management





LOCATION

The landfill is a ~5-acre parcel east of the Highway 19/Revels Road intersection.

The landfill is in a sharply elevated location, with four easements leading to the site, none with official paved road access. The site also has an easement going through it.



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

No 5796

RECEIPT FOR APPLICATION TO OPERATE / CONSTRUCT POLLUTION SOURCES

Received from Town of Howey-in-the-Hills Date July 29, 1974
 Address Howey-in-the-Hills, Fla. Dollars \$ 20.00
 Source Sanitary Landfill
 Applicant Name & Title Sanitary Howey Town Landfill
 Applicant Address Same as above
 By Rayth Nichols

February 4, 1975

Regional Office
Federal Aviation Administration
P. O. Box 20636
Atlanta, Georgia 30301-10636

Gentlemen:

The Town of Howey-in-the-Hills, Florida is making application to the Florida Department of Pollution Control for a license to operate a sanitary landfill in accordance with their Resource Recovery and Management Rules, Chapt. 17-7.

The landfill in question is at the site of the old Howey dump which has been in use since 1957, or earlier, and has been used as a sanitary landfill the past three years. It is located about 1800 feet south east of the Howey landing strip which is owned and operated by Mr. C. V. Griffin of this town as a private airport.

Para. 17-7.04(2)(1) of the above "Rules" prohibits operation of a sanitary landfill "within one mile of any aircraft runway used only by piston engine type aircraft unless it has been determined by the F.A.A. that the proposed facility poses no safety hazard to aircraft in the vicinity."

Accordingly, it is requested that a study of this situation be made, and if your findings are favorable, that a waiver be granted the Town of Howey-in-the-Hills, Florida to operate a sanitary landfill at the present site.

Yours truly,
Yours truly,

C. Fletcher Bishop, Jr.
C. Fletcher Bishop, Jr.
Mayor

ORIGINS

In documents from 1975 requesting a license to operate a sanitary landfill, there is reference to use of "the old Howey dump" providing solid waste services to residents since at least 1957.

This area has also been known as the "clay pit" referencing its initial use preceding the original landfill use.



Howey Landfill Plan Wins State Approval

HOWEY-IN-THE-HILLS — The State Pollution Control Board has granted a temporary license to the town for its sanitary landfill operation, according to Councilman Robert Edwards.

Edwards told council the state requires a wire fence be erected around the six-acre tract by May 1, 1977. Also required will be frequent testing of water to see if pollution is seeping from the landfill into a nearby water supply.

THE TOWN also was given a waiver for the location of the site, which is within 1,500 feet of the Howey airport. The landfill would be subject to closing if birds attracted to the area become a hazard to aircraft.

Edwards reported that the board had also agreed to relax a demand that the town purchase a \$54,000 specialized impactor to replace the relatively new, all-purpose machine now used to cover and impact trash and garbage.

Edwards had complained in February that new state regulations for certification of sanitary landfills were designed to "put the small guy out of business — and could cost the town as much as \$100,000 to comply.

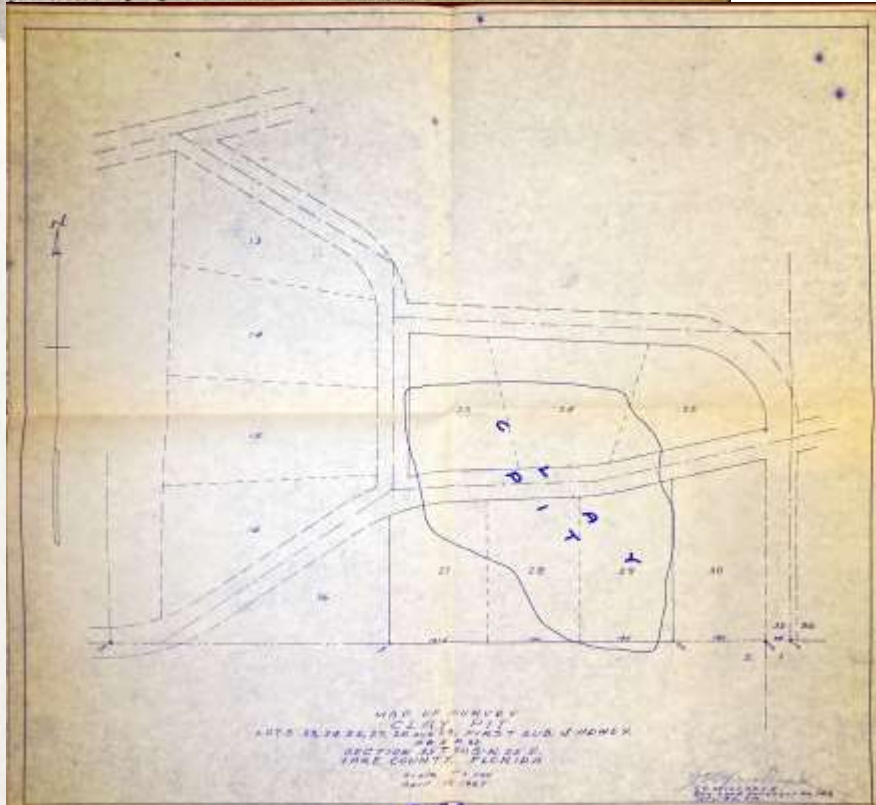
THE TOWN has two alternatives to operating its own landfill. The town either could turn its disposal

operation over to the county or hire a commercial garbage operator.

Bill Hennessey, Lake County Pollution Control officer, said "locally, I'm not upset with the operation in Howey. It's hard to be disturbed about a dump that's way up on a hill

over clay strata. It's just not going to pollute anything."

Robert Alderman, Lake County landfill supervisor had said that the volume of refuse Howey generates wouldn't even put a dent in county landfill operations.



RE-ESTABLISHMENT

In 1977, the re-establishment of the sanitary landfill was permitted by the State Pollution Board under Mayor C. Fletcher Bishop.



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT
3318 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767



DON GRAHAM
GOVERNOR
VICTORIA J. TSCHENDEL
SECRETARY
A. ALEXANDER
DISTRICT MANAGER

July 27, 1984

C. Fletcher Bishop, Councilman
City of Howey-in-the-Hills
Post Office Box 67
Howey-in-the-Hills, Florida 32737

OSJ-SW-84-0198

Dear Mr. Bishop:

Lake County SW
Howey-in-the-Hills Landfill
Groundwater Monitoring

Your letter of June 25, 1984 is no justification for not having a groundwater monitoring plan per Rule 17-4.245(6), Florida Administrative Code.

The city must either clean out the existing well, install a new well on the boundary on the downstream side of surficial groundwater flow of the landfill, or apply to the Secretary of the Department for a variance to use an existing downstream surficial groundwater monitoring well off the property but close to the landfill property boundary line.

Please note that the last annual sample results the city furnished the department were in 1982 with no sample results provided for 1981. In the 1982 sample results, a lead (Pb) violation to primary standards was noted. Since this violation has been established, monitoring of the groundwater for the landfill is imperative.

Sincerely,

L. T. Kozlov, P.E.
Hazardous/Solid Waste Engineering

LTK: [initials]

OWNER



Sign of
Professional

SPECIFICATIONS

FOR

CONSTRUCTION

OF

HOWEY-IN-THE-HILLS LANDFILL
CLOSURE

LAKE COUNTY, FLORIDA
K102.2

MARCH 20, 1989

SPRINGSTEAD ENGINEERING, INC. Consulting Engineers - Planners - Surveyors
P.O. BOX 448 • LEBURG, FLA. 32568-0448 • (904) 757-3414
P.O. BOX 7448 • BIRMINGHAM, FLA. 33510-7448 • (904) 755-3679

CLOSURE

Proper monitoring of the groundwater continued to be an issue for the Town.

In 1988, the closure of the landfill was proposed under Mayor Dwayne Gorgas. Springstead Engineering, Inc. was engaged to develop proposals for the closure and the installation of monitoring wells.





POST-CLOSURE

In the period of 1988-1993, there were problems with the implementation of the closure process. In particular, the liner extended across the landfill was exposed after installation and therefore compromised.



Howey says it will pay company for fixing dump

□ The town OK'd payment for repairing a faulty liner that put it in violation of state standards.

By Rick Reed

SENTINEL CORRESPONDENT

HOWEY-IN-THE-HILLS — Town leaders weren't happy dumping more money into the town's municipal landfill, but they had no choice.

The Howey Town Council voted 4-1 to pay MWM Contracting for work already completed on the closed town dump, but only after Town Attorney Gary Cooney told them they had to.

"If I had any legal way of blocking the payment, I would have," said Howey Mayor Duane Gorgas after the Monday night meeting. "But a contract is a contract, and we have to live with it."

Gorgas' reluctance to pay had more to do with the town's troublesome landfill than the contractors.

The problem started shortly after the town paid big bucks to close the municipal dump in 1988.

A torrential rainstorm caused dirt on top of the sloped landfill cover to erode into the drainage area. That put the town in violation of state Department of Environmental Protection standards

because of the danger of ground-water contamination.

Town officials haven't determined if the blame for the faulty liner rests with the manufacturer or an engineering firm. They haven't ruled out trying to recover money.

But in order to remedy the situation, the Town Council contracted with MWM Contracting to build a four-foot retaining wall at the base of the slope for \$85,777.

The wall will keep a one-foot layer of soil on top of the sloped liner and avoid further erosion into the drainage field after it's covered with grass.

The contractors asked for \$50,290 for work already done, but the council approved only \$46,700 because a well wasn't drilled correctly. Gorgas estimated that about 80 percent of the work was completed.

Gorgas has one trump card left to make sure the job is done correctly.

"They won't get the final payment until the grass is established," he said, "and that's about \$35,000."

In other business, Councilman Mark Stevenson was directed to talk to Lake school administrators about turning one of the school district's unused tennis courts into a youth basketball court.

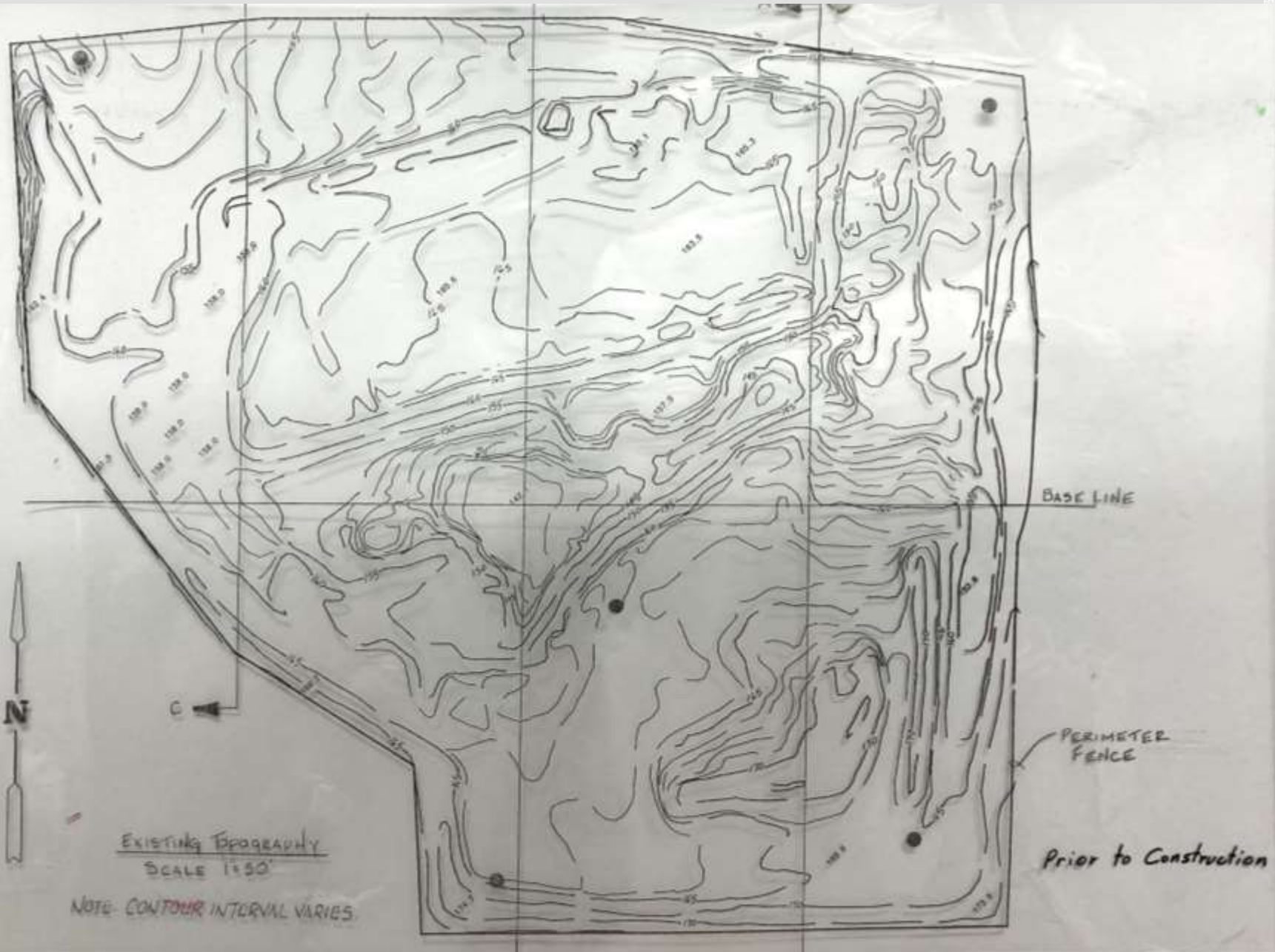
Stevenson was directed to apply for grants that would help the town get a basketball court.

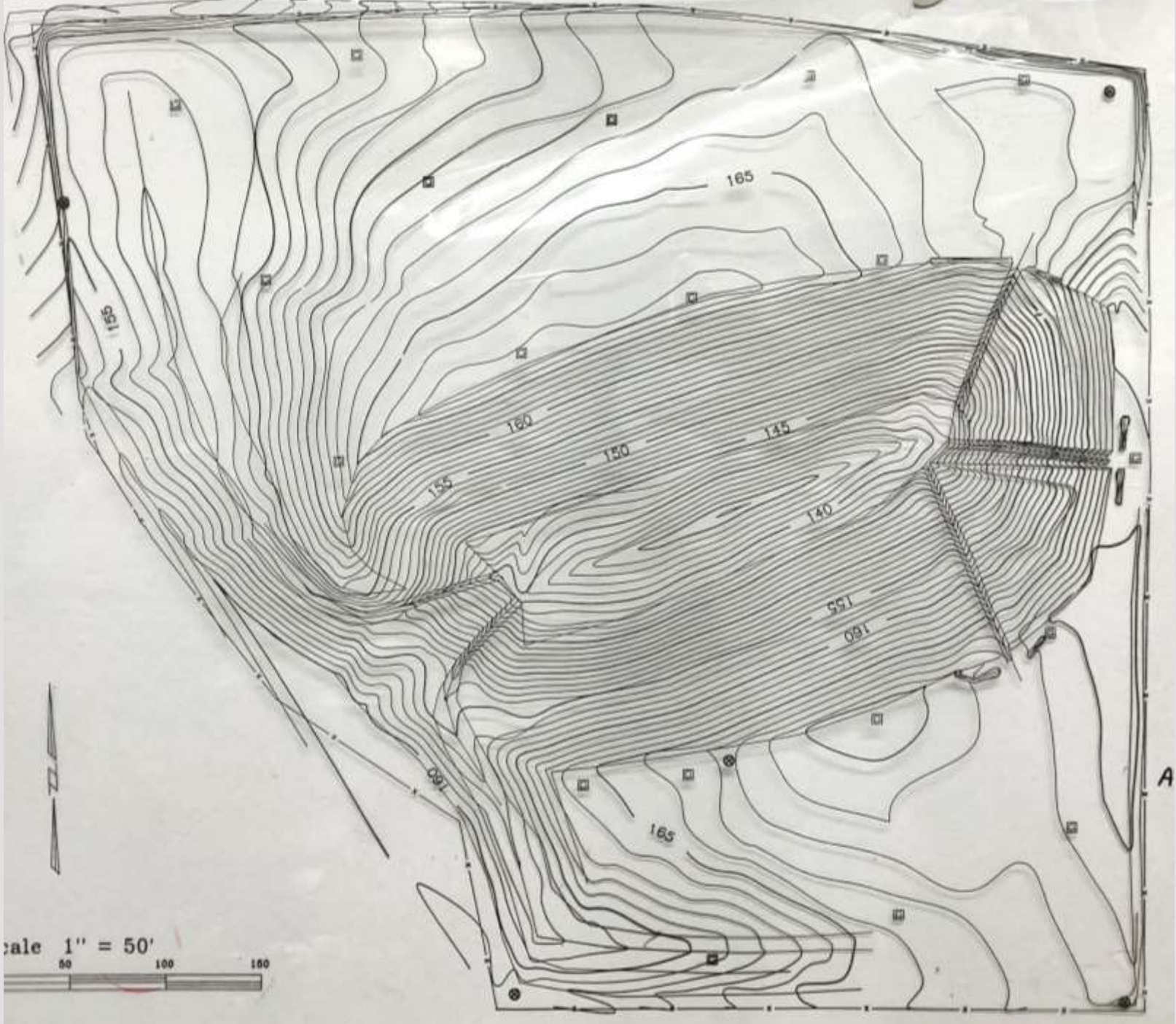
RECOVERY

As there were problems with closing the landfill in a compliant manner and completing the closure work with the contractor, including changing the original proposed layout of work, the Town initially withheld payment.



MAP OF LANDFILL PRIOR TO CONSTRUCTION





MAP OF LANDFILL AS CONSTRUCTED



DOCUMENTATION AND RECORDS

DOCUMENTS

- “Specifications for Installation of Monitoring Wells at the Howey Landfill” [Springstead Eng., June 3, 1988, Two copies]
- “Specifications for Construction of Howey-in-the-Hills Landfill Closure” [Springstead Eng., March 20, 1989]
- “Engineering Evaluation and Application for Long-Term Care Permit” [Springstead Eng., Oct. 28, 1993]
- “Specifications for Construction of Modifications to Landfill and Installation of a New Monitoring Well” [Springstead, April 25, 1994]
- Transparencies (x3) showing construction (in large brown envelope)
- SILVER SPRINGS CITRUS COOPERATIVE RECEIPTS (to show operations tonnage taken to landfill?)
- Large Map of Howey [Moorhead, February 1978]
- *ANCHOR TRENCH DETAIL* [Large Map, MWM Contracting Corporation, 5-31-89]
- *BOUNDARY SURVEY FOR HOWEY LANDFILL* [Two copies, Large Map, Springstead Eng., 9-29-89]
- *FINAL GRADING PLAN FOR HOWEY-IN-THE-HILLS LANDFILL* [Large Map, Springstead Eng., 2-21-89]

FOLDERS

- LAND DISPOSAL SITE DATA FORM [note on front of folder: “Start of Landfill (1977)"] [Doc. Range 1973-1984]
- CAPITAL PROJECTS – LANDFILL / Ground Water Monitoring (Pembroke, DEP) [Doc. Range 1993-1997]
- CAPITAL PROJECTS – LANDFILL / Closure Permit [Doc. Range 1988-1999]
- CAPITAL PROJECTS – LANDFILL / Correspondence - Contract [Doc. Range 1994-1995]
- LANDFILL CLOSURE [Doc. Range 1986-1991]
- LANDFILL DOCS [Doc. Range 1998-2000]
- LANDFILL (SURVEY)
- SANITARY (LANDFILL) PERMIT
- LANDFILL WELL REPORTS WATER TESTS [Doc. Range 1975-1985]
- LANDFILL [note on front says “1988”] [Doc. Range 1987-1988]
- LANDFILL MTG. [Doc. Range 1986-1993]
- LANDFILL [note on front says 1984-1988] [Doc. Range is 1975-1988]
- BROWN ACCORDION FOLDER WITH FOUR SUBFOLDERS
 - Landfill Contract / Costs
 - DER – Landfill Correspondence
 - Two packs of photos
 - Landfill 1/4ly reports 1989 to 1991
 - Landfill STD of Analysis
 - Pembroke Laboratories Report 3/11/91
 - Mayor Cargile Request to reduce sampling frequency June 5, 1992
 - 1989 DEP Quarterly Reports

