Office of the City Manager

1 City Hall Plaza ▪ Ellsworth, ME 04605-1942
Phone (207) 669-6602 ▪ Fax (207) 667-4908
www.ellsworthmaine.gov

Addendum Issue Date: November 20, 2019

Addendum No. 1

The following questions were submitted. The City's responses to the questions follow in italics.

What's unique about the bottom 5+/- acres at the landfill besides its proximity to the power lines? Alternatively why are the other 19+/- acres not necessarily conducive for solar?

Ellsworth is open to the development of any and all of the landfill but needed some uniform acreage with which to compare bids. Hence, please propose at least one development with 5 acres and a second with as many as the developer sees fit.

We didn't see the landfill closure map attached to the RFP (i.e., just the aerial/Google Earth map is shown).

Please see landfill map and related materials attached.

Has an interconnection pre-application been submitted with CMP for the landfill?

Ellsworth has not submitted a pre-application with Emera Maine (CMP was our error).

Did DEP provide or indicate to the City any preliminary conditions that may allow solar on the landfill?

The Public Works Director has discussed solar development with the Landfill Remediation Division at Maine DEP and they are open to the idea, but no formal paperwork has been submitted as of this time.

What yearly maintenance and monitoring is currently required at the landfill?

Please see attached Landfill Closure Report filed with the DEP.

Are there any monitoring reports that the City/its consultant file with DEP that are available for review?

Please see attached report.

What do you mean by a 'live' roof (Middle School)?

A live roof means a roof with soil and vegetation which makes it unusable for solar.

What do you mean by a 'reconstructed' roof (Middle School)?Is there any remaining warranty? Will the plans be posted to the City's website?

The Ellsworth Elementary Middle School was reconstructed in 2010 and as part of the project, the roof was reconstructed to fit the new design of the building. The Ellsworth School Department has reached out to the contract to verify but believe that the warranty has expired.

When is the re-shingling of the High School roof scheduled?

The portion of the Ellsworth High School roof above the gymnasium is projected to be considered for replacement in five years.

Beginning with the FY21 budget development process, we are working with roofing contractors and a local consultant to plan for replacement of the remainder of the roof over the next three to five years.

Has the City had any discussions or received any proposals from roofing manufacturers/installers (for either school)?

As indicated in the previous question, we are working with roofing contractors and a local consultant to plan for replacement of the remainder of the EHS roof over the next three to five years. We have no formal proposals at this time.

Would the City consider solar canopies at either schools' parking lots?

This is not something that the City has considered. However, The City it is open to learning more about the opportunities.

Has the City had any discussions with ZBA or the Planning Board to determine what will be required for local approval? Does the City have a solar by-law?

Ellsworth has not held formal discussions with the Planning Board. Local approval will most likely require the Planning Board process, with the development considered as a "commercial use" project. At this time, there are no specific solar bylaws included in the City's land use ordinance. In the near future, City Planning staff will work with the Planning Board to develop modifications to the land use ordinance to help clarify the approval process for

solar energy projects. Meetings with Planning staff can be arranged for the winning bidder.

Section 4.2.2 of the RFP mentions supporting information to DEP regarding 'landfill gas control'. We're assuming a gas collection system currently exists (likely a passive venting system), so doesn't DEP already have that information?

Please see attached report for information on landfill gas control.

We're assuming DEP is more interested in how the developer will protect the integrity of the LFG system/landfill rather than any additional equipment/actions to prevent LFG migration. Please confirm.

Ellsworth cannot speak for the ME DEP and refer you to the state regulations.

What does the white line/outline represent on Figure 1 of the map of the Old Landfill? Is it an access road(s)?

This line represents a City owned road (Stabawl Road).

Have there been any discussions with the Fire Department about what access at landfill would be required for emergency vehicles/equipment (i.e., certain vehicles may not be permitted on the landfill's cap due to their respective ground pressures).

Ellsworth has not held discussions with the Fire Department on this subject but would be pleased to set up meetings for the winning bidder.

Have there been any discussions with the Fire Department about setbacks/access/walkways on the roofs of the Middle School and High School?

Ellsworth has not held discussions with the Fire Department on this subject but would be pleased to set up meetings for the winning bidder.

Is the City interested in options beyond 5 million kWh/year (i.e., a system(s) that would need an additional bill credit off-taker besides the City)?

Ellsworth only has the authority (rights) to offer electric accounts and consumption under its control. The developer is free, as we understand the emerging regulations, to serve private, non-Ellsworth accounts as it sees fit.

Can we send our proposals by email or does it need to delivered in person? Can it be mailed?

Ellsworth requires 15 copies of proposals be mailed to address in RFP and a thumb drive containing the proposal and attachments.

Will the City be taking title to the Renewable Energy Credits or does the developer keep the ownership of the RECs?

Please price the proposals without RECs and then offer a separate REC price should Ellsworth choose to buy them for the same term.

In section 5.1 of the RFP document it states that the interconnection shall meet the standards of Central Maine Power, should it mention Emera Maine standards instead?

The RFP should have stated Emera Maine. The City appreciates picking up on this error.

Will the City or the developer have to participate and be selected in the upcoming Maine issued RFPs as per the State of Maine L.D. 1711 as a condition for the purchase of the generation, credits or net metering?

Ellsworth, as stated in the RFP, is requesting proposals, specific prices (not ranges) and approaches that address each of the following two opportunities presented by recent legislation: 1) Net Energy Billing (which is not subject to a ME PUC administered RFP/auction but is subject to PUC rules) and 2) Standard Buyer (which is subject to a ME PUC administered RFP/auction). A reminder that Ellsworth is seeking the above two options presented with and without the use of Ellsworth owned land or rooftops.

Does the City have a preference of just a PPA with a $0 lease or a combination of lease and PPA? If the City prefers a combination, does it have a minimum lease payment threshold or alternatively, a desired PPA rate as a target? Does the City value a lower PPA rate or a higher lease payment?

Ellsworth will consider both options as long as pricing for both is clear. A reminder that Ellsworth is also open to considering both a fixed rate for 20 years as well as an indexed rate.

Can the City provide more detail on the landfill and a topography map if available? A Landfill Closure map is said to be attached but seems to be missing from the RFP.

Please see attached report.

The City mentions that one of the benefits to the community of the project would be property taxes. Is the City aware of the LD 1430 bill that now allows for solar projects to be property tax exempt?

Ellsworth will investigate LD 1430 but we are aware of other legislation that enables Net Energy Billing and Standard Buyer programs.

Is the City planning to submit a Central Maine Power solar array interconnection pre-application? This could help bidders better understand the hosting capacity and better estimate the IX costs. Or could the Town just state a standard IX assumption for all bidders to assume?

Ellsworth is considering the submission of a pre-application but has not done so as the time of this writing.

On a similar note, in order to best compare proposals across bidders, would the City be open to stating an ITC-ineligible interconnection cost assumption for this stage of pricing for all bidders to use? The final interconnection cost amount will not be determined until after CMP does its interconnection review. The City could just have all bidders assume $0 for interconnection, or could set an assumption such as $0.10/watt-dc or $400,000.

Ellsworth considers this an idea worth investigating for the purpose you state. We would ask all bidders to submit a suggested price as a placeholder by Nov XX and then Ellsworth will issue an amended RFP (rev 1) on our website – please keep an eye out. Ellsworth may also modify other sections based on question and feedback and will show changes in redline format.

To determine the City's current electricity rate, can you provide the amount of kWhs (annual) in each rate class? This will affect the value of each solar kWh generated.

Please see attached spreadsheet that includes the rate class and average kilowatt hours per location.

Elementary School: Is the 5 million kWhs outlined on the Summary Page inclusive of the Elementary School's kWh annual load? Please provide the breakdown of the Elementary School's annual kWhs in each rate class

Please see attached spreadsheet that includes the rate class and average kilowatt hours per location.

A 5-acre landfill project is approximately 1MW, is that the expectation of the City?

Ellsworth is open to the development of any and all of the landfill but needed some uniform acreage with which to compare bids hence please propose at least one development with 5 acres and a second with as many as the developer sees fit.

Elementary School rooftop: please define what a "live" roof is?

A live roof (aka green roof) was included in the construction of the Ellsworth Elementary Middle School as a means of mitigation for stormwater runoff. It is the City's expectation that solar array installation is disallowed on this live roof.

Can you please clarify how many copies of our proposal should be submitted? Should an electronic version be mailed on a USB or emailed as well?

Ellsworth requires 15 copies of proposals be mailed to address in RFP and a thumb drive containing the proposal and attachments.

Is the landfill site secure already or will the selected contractor be responsible for the installation of a fence?

There is no fence around the property. It is the City's understanding that solar arrays include fencing for security purposes and would expect the contractor to install the fencing. The City welcomes bidders to conduct an onsite visit. Please coordinate with Lisa Sekulich, Public Works Director, at lsekulich@ellsworthmaine.gov for a tour of the City's landfill property.

Does the City have a decommissioning or PILOT structure required?

The City does expect decommissioning of the solar panels at the end of their useful life. There is no PILOT structure required.

Can you please provide a topo for the landfill – 2 foot preferred.

Please see landfill map and related materials attached.

What is the voltage of the 3 phase line running past the site?

The City recommends contacting Emera Maine's engineering office for this information.

City of Ellsworth
Kilowatt Hours and Rate Codes

Account	Rate Code	Annual Average
BANGOR RD (RADIO TOWER)	B-1	7,285
1 PRINTING HOUSE SQ (PARKING LOT,WATER ST)	B-1	579
STORE ST UNIT LIGHTS (STORE/MAIN ORNAMENTAL)	B-1	7,106
US RTE 1/RTE 3 UNIT LIGHTS (BRIDGE HILL LIGHTS)	B-1	654
LAKES LANE (COMMERCE PARK)	B-1	698
BANGOR RD UNIT SIGN (COMMERCE BUSS PRK SIGN)	B-1	1,883
HIGH ST UNIT LIGHTS (ORNAMENTAL LIGHTS)	B-1	5,808
SK WHITING PARK (216 MAIN ST)	B-1	985
275 HIGH ST (NEW HIGH SCH INTERSECTION)	B-1	3,872
275 HIGH ST RAILROAD	B-1	1,037
MYRICK ST (UNIT LIGHTS)	B-1	2,237
MYRICK ST UNIT LIGHTS (RTE 1)	B-1	2,964
RTE 3 & MYRICK ST	B-1	8,999
BAR HARBOR RD & BUTTERMILK RD	B-1	1,714
FRANKLIN/HANCOCK ST	B-1	4,554
HIGH ST (HARMON/WALGREENS TR LT)	B-1	2,749
HIGH ST (TRAFFIC LIGHT - HARMONS)	B-1	2,712
HIGH ST (TRAFFIC - TRIANGLE)	B-1	2,340
MAIN AND OAK ST TRAFFIC	B-1	2,080
HIGH SCHOOL TRAFFIC LIGHT (RT 1 A)	B-1	2,895
RTE 3 & MYRICK ST UNIT SIGNAL	B-1	2,134
RTE 3 UNIT TFL (AT MARDENS)	B-1	2,062
WASHINGTON JCT RD UNIT GARAGE	B-1	49,310
BRANCHVIEW DR UNIT SALT	B-1	5,712
TRANSFER STATION	B-1	16,640
INDUSTRIAL PARK UNIT RECYCL	B-1	15,158
UNIT BT LNCH BRANCHVIEW DR	B-1	5,309
20 STATE ST	M-2	93,840
CONCESSION STAND (BOGGY BROOK)	B-1	1,464
BOGGY BROOK RD UNIT DEMEYER	M-2	1,680
BOGGY BROOK RD UNIT SCOREBOARD	B-1	117
415 WATER ST (URCI)	B-1	22,462
WATER ST UNIT PIER	B-1	16,304
SIMMONS POND RD (FD TRAINING SITE)	B-1	1,630
CHURCH ST CITY HALL	M-2	301,780
125 STATE ST	G-1	9,697
125 STATE ST MOORE COMMUNITY CENTER	M-2	218,880
ICE RINK LIGHTING 160 STATE ST	B-1	906
STATE ST UNIT PARK	B-1	5,396
BROADBAND SHELTER	B-1	35,656
333 WATER ST (WATER TREATMENT PLANT)	M-2	284,060
45 WATER ST UNIT PUMP	M-2	57,804
SOUTH ST SIPHONE STATION	B-1	7,686
134 SURRY RD UNIT PUMP	B-1	23,515
KINGSLAND CROSSING	B-1	4,637
86 BAYSIDE RD UNIT WTRPMP	M-2	1,184,760

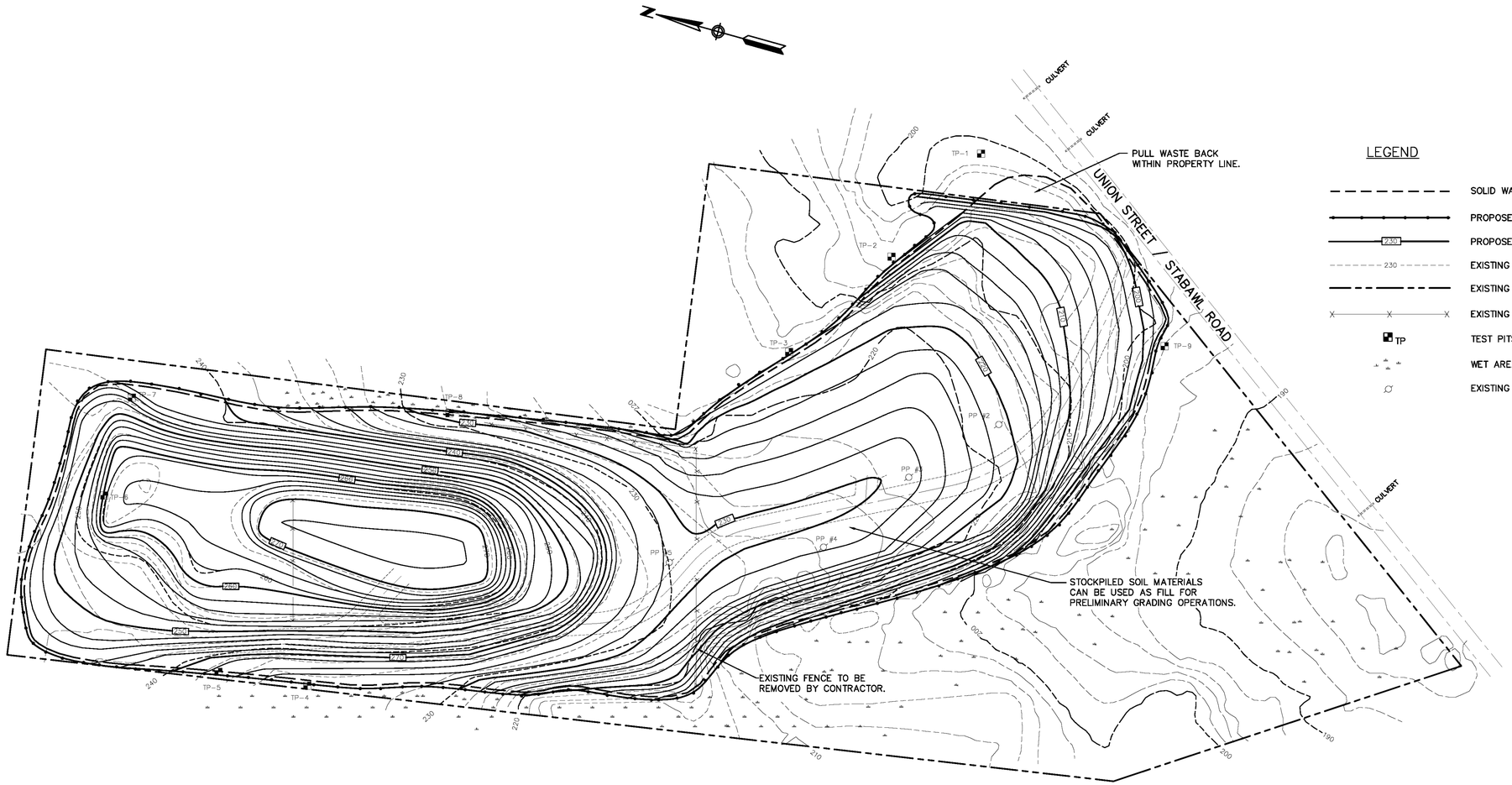
City of Ellsworth
Kilowatt Hours and Rate Codes

BANGOR RD UNIT HEATPE	B-1	18,853	
HIGH ST (PUMP)	B-1	20,281	
SHORE ROAD	B-1	23,424	
TINKER FARM WAY UNIT SEWER (PUMP)	B-1	3,984	
BUCKSPORT ROAD	B-1	1,274	
SHORE ROAD	B-1	5,134	
COURT STREET	B-1	34	
CLEARWATER WAY	M-2	493,000	
ROUTE 3	B-1	34,872	
BRANCH LAKE PUMPING STATION	B-1	3,335	
ELLSWORTH ELEMENTARY MIDDLE SCHOOL	M-2	1,258,680	*
EHS ROAD SIGN	B-1	2,922	*
EEMS SOCCER/TRACK FIELD	M-2	3,066	*
ELLSWORTH HIGH SCHOOL	M-2	770,081	*
EEMS FIELD	B-1	893	*
BUS GARAGE	B-1	32,110	*
HANCOCK COUNTY TECHNICAL SCHOOL	M-2	160,520	*
HCTC LIGHT	G-1	1,332	*
LEJOK STREET SHACK	B-1	1,313	*
Totals		**5,266,848**	

* School Properties

No consumption reported (only dollar amounts)

BANGOR RD UNIT HEATPE	B-1	$163.38
248 STATE ST	G-1	$525.83
125 STATE ST	G-1	$791.97
STREET LIGHTS (BLINKING)	G-2	$575.70
FOURTH ST UNIT CCK	G-1	$779.69
N ELLSWORTH EST UNIT LIGHT	G-1	$141.05
35 AMERICAN AVENUE UNIT LIGHT	G-1	$141.38
ST LT - HPS 250W	G-1	$389.97
STREET LIGHTS 175W (MV)	G-1	$656.33
AREA LT - HPS 250W (HARBOR STREET LIGHT)	G-1	$2,727.27
AREA LIGHT HPS 100W	G-1	$195.98
ST LT - HPS 100W	G-1	$1,763.82
ST LT - 50 & 70 W HPS	G-1	$58,830.02
ST LT - HPS 150W (W MAPLE & W MAIN)	G-1	$14,141.50
Totals		**$81,823.86**



SITE PLAN
SCALE: 1" = 100'

DATE	ADDITION OR REVISION

DES.BY: SSN	DR.BY: DJM	CK.BY: BMB

CITY OF ELLSWORTH, MAINE

LANDFILL CLOSING

SITE PLAN

SCALE: 1" = 100'	JOB NO.: 94325.01
DATE: JULY, 1994	SHEET: 1 OF 2

WOODARD & CURRAN INC.
PORTLAND, ME • BANGOR, ME • WELLESLEY, MA

WOODARD & CURRAN
ENVIRONMENTAL SERVICES

November 4, 1994

Robert Birk
Maine Department of Environmental Protection
Landfill Remediation and Closure
State House Station 17
Augusta, Maine 04333

RE: Ellsworth Landfill Closure Checklist

Dear Bob:

Enclosed please find the Landfill Closure Checklist for the City of Ellsworth. You should already have received the Reimbursement Request under separate cover. As noted in the cover letter for that Request, we were in the process of assembling the data for this submittal and did not want to jeopardize meeting the October 28 deadline by waiting to send the two together.

I hope this hasn't caused any inconvenience. Please note that appropriate materials testing was conducted throughout the construction process. To reduce paperwork we have not included the results but would be happy to send these if you are interested.

If you have any questions or need further information, please don't hesitate to call.

Very truly yours,

WOODARD & CURRAN

Brent M. Bridges, P.E.
Associate

BMB/dam
94325.01

Enclosure

CHECKLIST FOR MUNICIPALITY OF Ellsworth

This checklist is to be used by both the appropriate municipal representative and the municipality's engineering consultant (if one is utilized) for overseeing the reduced procedure (or alternative procedure) landfill capping project. The consultant's signature is not intended to serve as a formal engineering certification, but simply as acknowledgement that technical assistance has been provided. (This technical assistance will be eligible for 75% cost-share.)

NOTE: **The municipality is responsible for obtaining any other local, State or Federal permits or licenses relating to the project. This could include the need for wetlands alteration or clay mining permits, for example.**

Upon completion of the project; the completed checklist, signed by the governing body of the municipality, and any specified attachments shall be forwarded to:

Landfill Remediation and Closure Program
Division of Site Investigation and Remediation
Bureau of Hazardous Materials and Solid Waste Control
Department of Environmental Protection
Station 17
Augusta, Maine 04333

****

BE SURE TO KEEP A COPY FOR YOUR RECORDS.
CHECKLIST OF IMPLEMENTATION ITEMS

Please place a checkmark or your initials in the space provided at the front of each item completed.

A. GENERAL

X 1. **Safety Program**--Municipality has made adequate provisions to protect the health and safety of personnel involved in the closure project.

X 2.a. **Access** to the site has been restricted by means of a locking gate and site is posted "CLOSED FOR SOLID WASTE DISPOSAL". Transfer station on property is acceptable if licensed by the Department.

X 3. **Rodent extermination** has been accomplished if landfill has been used for solid waste disposal in the past three years. **(Refer to U.S.F.W.S. "Controlling Rats on Dumps"at the end of this attachment.**

__X__ 4. Site Photos--Attach at least 6 photographs of the site taken prior to the beginning of the capping project and 6 taken following the completion of the project for a total of at least 12 photographs. (see Exhibit A)

__X__ 5. **Project Schedule**--Project construction was started no earlier than May 1 (or thawing out of subsoil) and completed no later than October 9, 1994 or other date as approved by Department (indicate date_____).

__X__ 6. **USGS topographic map(s)**--Photocopy of the latest available USGS topographic map(s) indicating the landfill location. (see Exhibit B)

__X__ 7. **Site Sketch**--Site sketch attached (1 inch to 100 feet). Sketch shows the solid waste boundary and any test pits used to determine it. Test pits may be used for areas where the location of the boundary of landfilled solid waste is not obvious. The site sketch should also show locations of any residences, wells or surface water bodies, including wetlands, within 1000 feet of the solid waste boundary. (see Exhibit B)

__X__ 8. **Expenses**--In order to be considered in the next round of reimbursements, attach copies of any invoices, bills, cancelled checks or other documentation of municipal costs directly related to the landfill capping project along with a summary and total of those costs, and documentation of the municipality's authorization of incurring those costs and submit it to the Department no later than October 28, 1994
. **Refer to Attachment # 7, "Reimbursement Application."** (Reimbursement Application sent under separate cover)

__X__ 9. **Deed Affadavit**--Municipality has prepared an affadavit to be attached to the deed for the property on which the landfill is located. Purpose of the affadavit is to notify any potential purchaser :

a. Where to find a copy of this checklist and any other closing plans for the landfill;
b. That the land has been used for a solid waste landfill; and
c. That post-closure use of the property must never be allowed to disturb the integrity of the final cover, liner system, monitoring systems or other components of the closed landfill without prior written approval of the Department of Environmental Protection.

B. SITE PREPARATION

__X__ 1. **White goods and tires** have been removed from the site and disposed of or stored legally. Tires may only be incorporated into the landfill if they are first shredded and buried at least 5 feet below the surface. **NOTE: The expense of tire and white goods handling or removal is NOT eligible for cost-sharing under the Landfill Remediation and Closure Program.**

__X__ 2. **Slopes**--Solid waste disposal area slopes have been graded (shaped) to a maximum 33% grade and a minimum 5% grade except in areas where such grading would expand the solid waste "footprint" (i.e. the surface area of the original ground surface covered by solid waste) or result in violation of setbacks from waterbodies, property lines etc. **Please refer to Figure A -GRADING** at the end of this checklist. Landfilled waste should be "pulled back" where possible to achieve the required slopes, maintain appropriate setbacks from waterbodies, property lines, etc.

____3. **Gas Transmission Layer**--Graded waste was covered by at least 6 inches of a coarse material such as gravel or sand suitable for the transmission of landfill gases to a vent pipe and one or more gas vents were installed. This step and others, such as a gas migration barrier are not mandatory for municipalities automatically eligible for the reduced procedure, but may be required in the event that one or more enclosed buildings are located on or within 100 feet of the part of the landfill that received solid waste.

C. Cover Source Operations.

Borrow pits are exempted from the need to obtain a Mining Permit from the DEP's Bureau of Land and Water Quality provided the pit is used solely for the capping of the landfill and the removal of cover material will not have the effect of expanding the pit by more than five acres since 1970. Additionally, Maine law changed in 1994 to allow reduced permitting requirements for some pits that are not altogether exempt. For more information, contact the DEP's Bureau of Land and Water Quality at 287-3901. In any event, the operations at the cover source site should be conducted so as to conform with the following:

__X__ 1. Traffic safety precautions have been taken at access points to both the pit providing cover material and the landfill being capped.

__X__ 2. All measures taken to remove material from the pit and reclaim it after completing removal operations have been taken in accordance with the "Maine Erosion and Sediment Control Handbook for Construction: Best Management Practices, published by the Cumberland County Soil and Water Conservation District, March 1991, (refer to nonstructural measure # 10.0, at a minimum);

D. APPLICATION OF COVER SYSTEM

1. The purpose of the following is to assure that the cover material was applied so as to achieve a maximum hydraulic conductivity (K) of either: 1.) 1 X 10^{-5} cm. /sec., or 2.) lower than the hydraulic conductivity of the material underlying the landfill, whichever is less. THIS IS REQUIRED TO MEET THE PROVISIONS OF STATE AND FEDERAL LAW. Since it may not be practical or safe to bore through the landfill, the parent material immediately adjacent to the landfill should be qualitatively analyzed by a qualified professional to make this determination.

2. Cover (barrier layer) Material

X a. Cover (barrier layer) material is well-graded, has a maximum particle size of 2 inches, and no less than 35% of the material will pass through a #200 sieve as determined by the ASTM D422-63 sieve analysis test.

X b. cover material was applied so as to achieve a maximum hydraulic conductivity (K) of either: 1.) 1 X 10^{-5} cm. /sec., or 2.) lower than the hydraulic conductivity of the material underlying the landfill, whichever is less hydraulically conductive. **(MANDATORY)**

X c. Test material and attach results (if necessary in the professional judgment of the engineering or other qualified professional consultant for the project).

X d. Cover (barrier layer) material was placed in (recommended two or three lifts) for a total of not less than 18 inches (after compaction). **(MANDATORY)**

X e. The interface between lifts of the barrier layers was roughened by a means suitable for adequate bonding between lifts. **Examples would include light tilling, scarifying of the soil or rolling it with a sheepsfoot roller.**

X f. Cover material lifts were compacted with appropriate construction equipment. **(MANDATORY)**

X g. Compaction was conducted at a soil moisture content sufficient to allow a relatively smooth layer with no clods or hard chunks in it.

X h. Compaction was sufficient for support of construction traffic, topsoil placement and future maintenance operations.

X i. Sufficient moisture content was maintained in the barrier layer from the time of the initial placement of barrier soil until the placement of the vegetative layer. This could be done by temporary placement of plastic sheet strips over the barrier layer anchored by spreading a thin (not more than 1/4 inch) layer of sand or soil over the plastic.(do not use sandbags or tires).

X j. The surface of the compacted clay or till cover material was smooth textured and free from visual defects, such as protruding solid waste, stones larger than 2 inches, ruts, ridges, track marks, erosion channels with more than 2 inches relief, cracks greater than 1/4 inches across, visible clods, etc. Any observed defects have been repaired or reworked until suitable in accordance with the above specifications.

3. Vegetative Topsoil Layer

X a. Barrier layer has been capped with a topsoil layer of not less than 6 inches of a material suitable to sustain plant growth. (**MANDATORY**)

X b. Topsoil layer has been limed, fertilized , seeded, and protected against erosion in accordance with the "Maine Erosion and Sediment Control Handbook for Construction: Best Management Practices, published by the Cumberland County Soil and Water Conservation District, March 1991, (refer to at least the following measures: 1.0, 2.0, 3.0, 10.0, 12.0, 13.0, 15.0, 36.0, 40.0, 41.0, 46.0, 47.0, 70.0, 72.0.) (**MANDATORY**)

NOTE: **Maine law requires that appropriate recycled or residual materials be used to the maximum extent possible in the capping of landfills. For example, many municipalities have successfully used topsoil manufactured from paper mill sludge (permit required) as a low cost alternative to natural topsoil in their landfill closing project.**

POST CLOSURE MAINTENANCE **(not eligible for cost-sharing)**

Once it has completed the landfill closing project, the municipality is responsible for the inspection, repair and maintenance of the drainage systems, vegetative cover and the underlying cap material, as well as the continued maintenance of any monitoring wells. Annual mowing is recommended to prevent the establishment of trees and shrubs that could penetrate the barrier layer.

CONTINUED ON NEXT PAGE

MUNICIPAL CERTIFICATION

****

AS AUTHORIZED REPRESENTATIVES OF THE MUNICIPALITY OF Ellsworth, WE CERTIFY BY OUR SIGNATURES BELOW, THAT THE INFORMATION CONTAINED IN THE PRECEDING CHECKLIST IS CORRECT AND COMPLETE TO THE BEST OF OUR KNOWLEDGE. FURTHERMORE WE RECOGNIZE THAT ADDITIONAL MEASURES MAY BE REQUIRED OF OUR MUNICIPALITY LATER BY THE DEPARTMENT TO MORE COMPLETELY CLOSE THE LANDFILL OR REMEDIATE ENVIRONMENTAL HAZARDS.

Note: Under current law, most additional measures would be eligible for cost-sharing unless the Department finds that the landfill was not closed in accordance with the standards certified as having been accomplished by the municipal officers and further finds that the certification was a negligent misrepresentation of a material fact. Current law provides for 75% State cost-share for closure activities provided the municipality has a written landfill closing agreement in effect with the department by July 1, 1994. Remediation measures are eligible for 90% State cost-share.

SIGN BELOW	PRINT NAME BELOW	TITLE
1.	George W. Sorg, Jr.	Council
2.	Carey M. Fortier	Council
3.	Stephen K. Bonsteen	Council
4.	Loren Clarke	"
5.		

WITNESSED BY _____ DATE 11/4/94

AUTHORIZED SIGNATURE OF THE CONSULTANT(S) ASSISTING THE TOWN

_____ Date Brent Bridges
SIGNATURE PRINT NAME ABOVE

_____ Date Sarah Nicholson
SIGNATURE PRINT NAME ABOVE

EXHIBIT A

PHOTOS

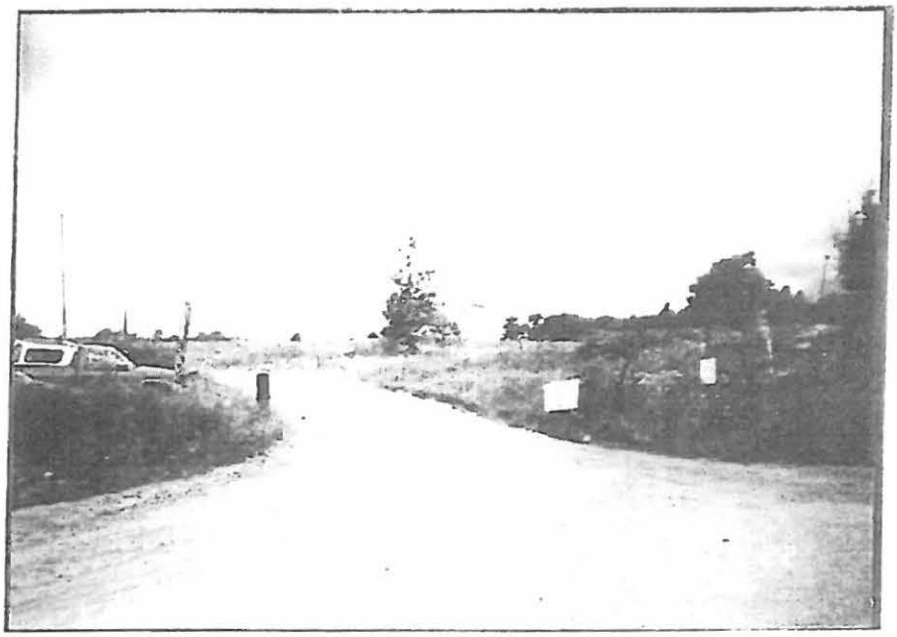


Photo #1: Looking north through the gate at the entrance of the landfill

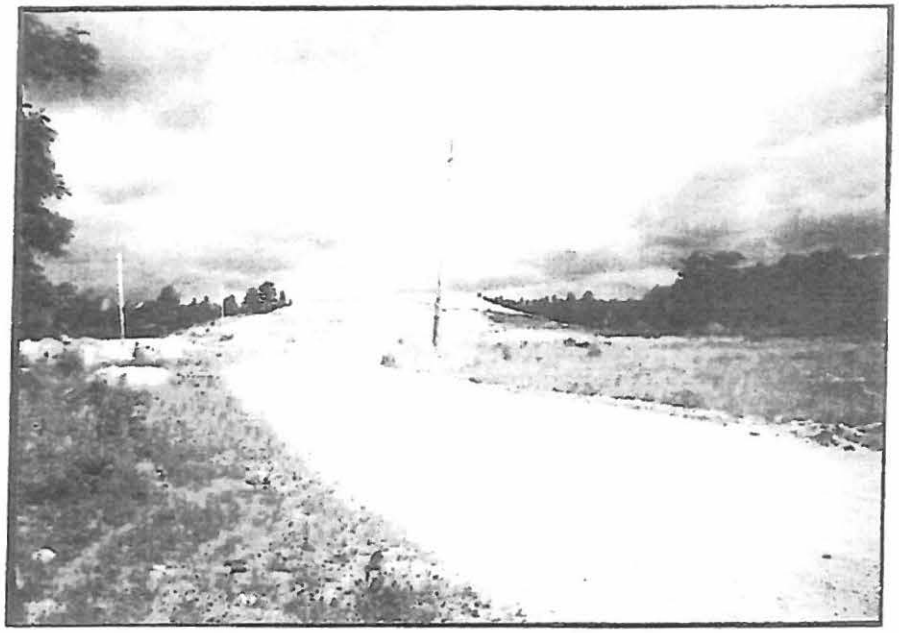


Photo #2: Standing approximately 200' inside the entrance looking north. Tire pile is against the fence at left of photo.

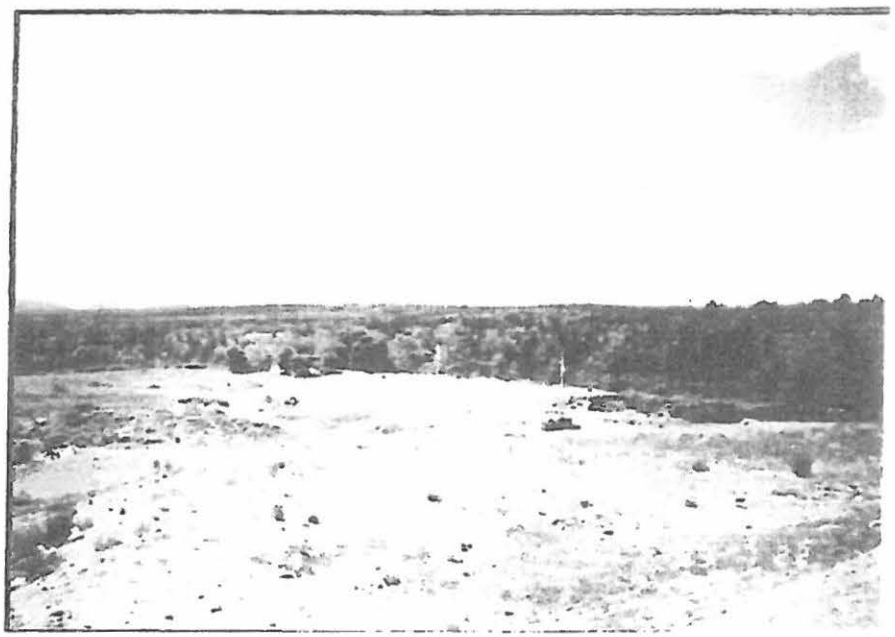


Photo #3: Standing at southeast corner of northern half of landfill, looking southwest towards tire pile and landfill entrance.

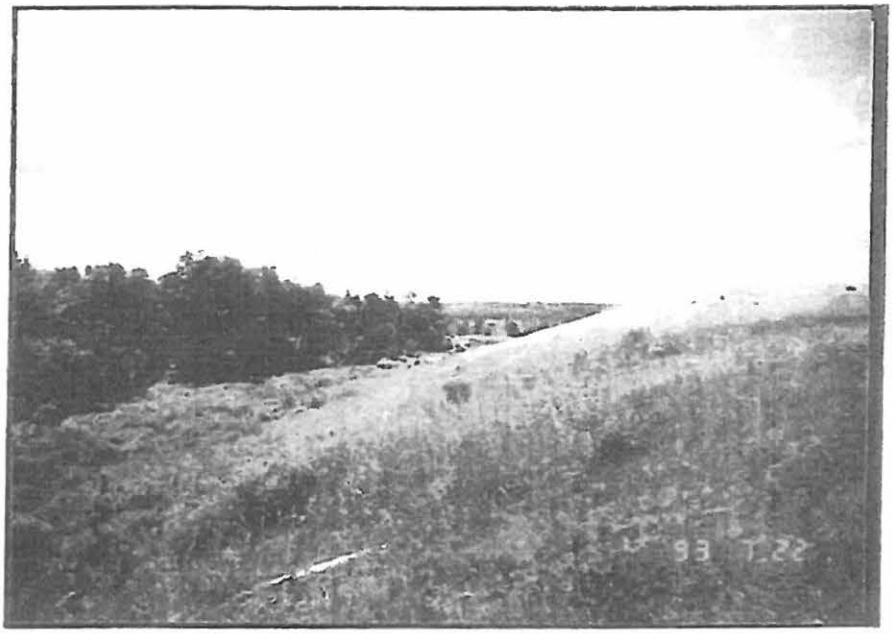


Photo #4: Standing along eastern edge of northern half of landfill, looking south. Test Pit #8 is located near the treeline in this area.

Photo #5: Standing along western edge of northern half of landfill, looking north along access road. Shows condition of exposed cover at top of landfill.

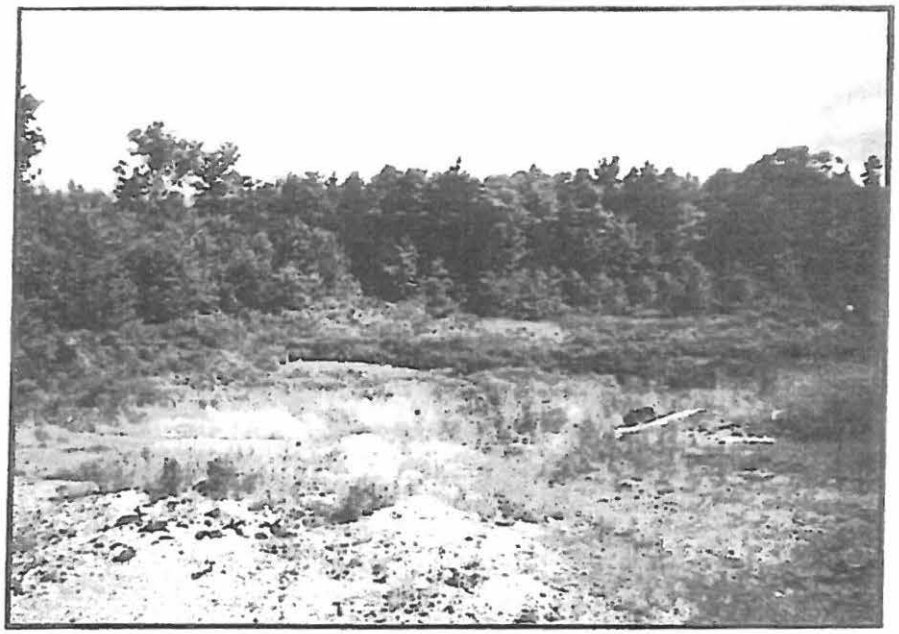


Photo #6: Standing at northwestern corner of northern half of landfill, looking north at the sludge storage area. Tree line marks the solid waste boundary.

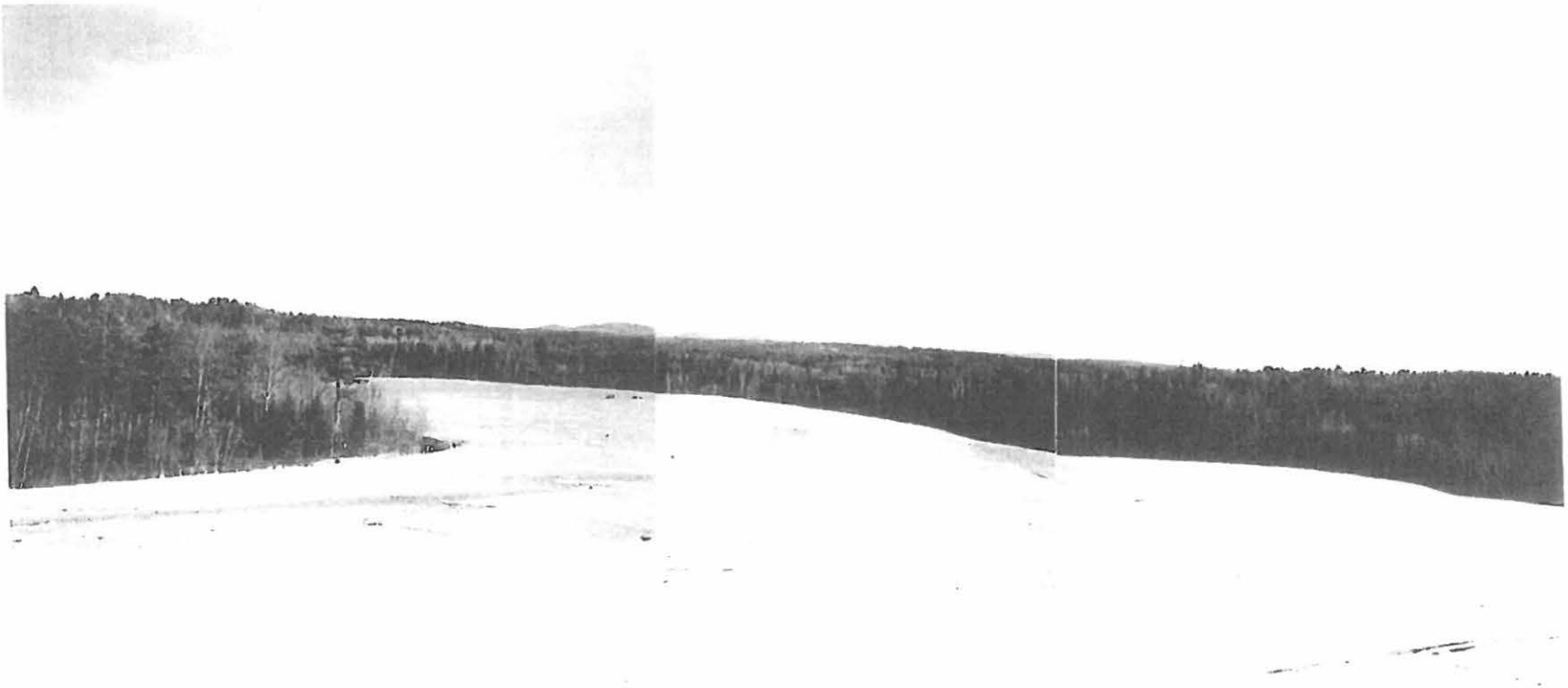


Photo #1: Standing on the top slope looking south towards the lower half of the landfill and the entrance. As the photos show, the landfill has been covered with an erosion control netting to protect the loam and hydroseeding.

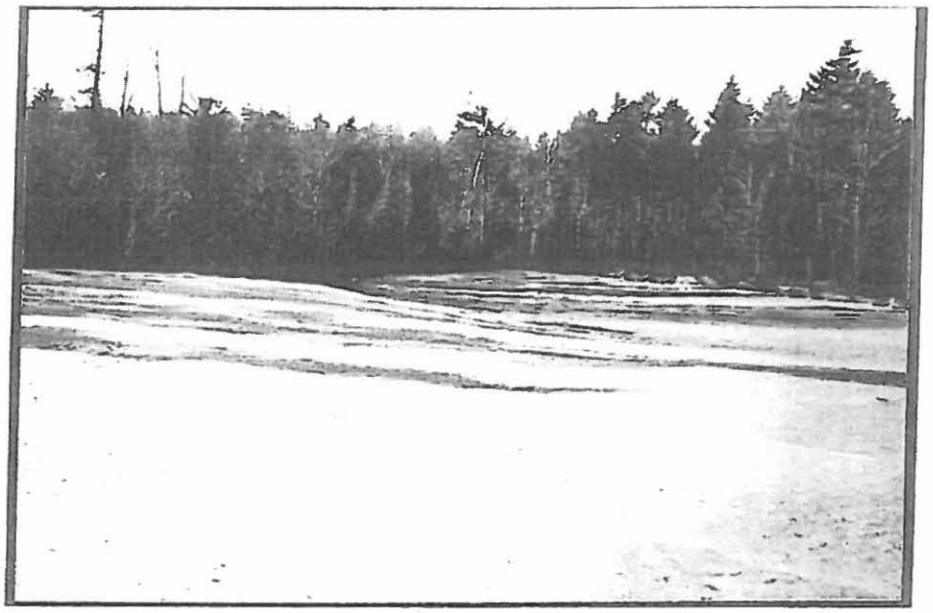


Photo #2: Standing at the northern edge of the landfill looking west at the location of the former sludge area.

Photo #3: Standing on the western slope at the north end looking back south.

Photo #4: Standing on the eastern slope looking north at the northeast corner of the site. The grass has just begun to come up through the erosion control netting.

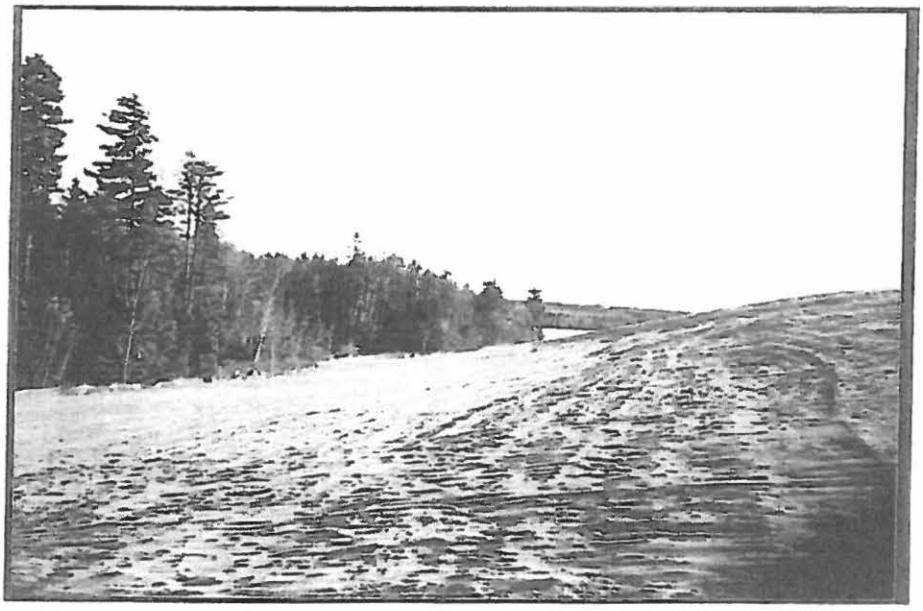


Photo #5: Standing on the eastern slope at the north end looking back south.

EXHIBIT B

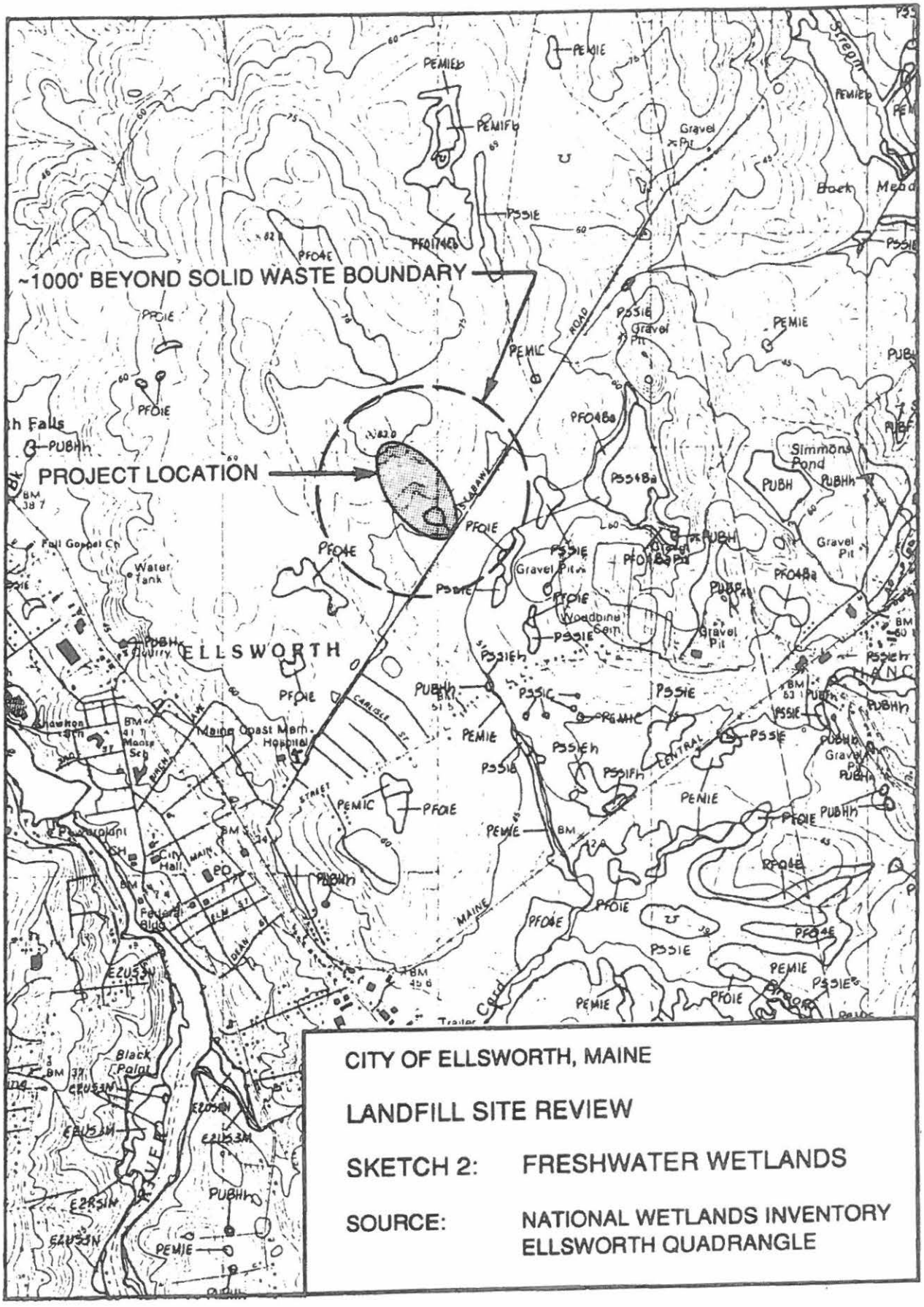
SITE PLANS

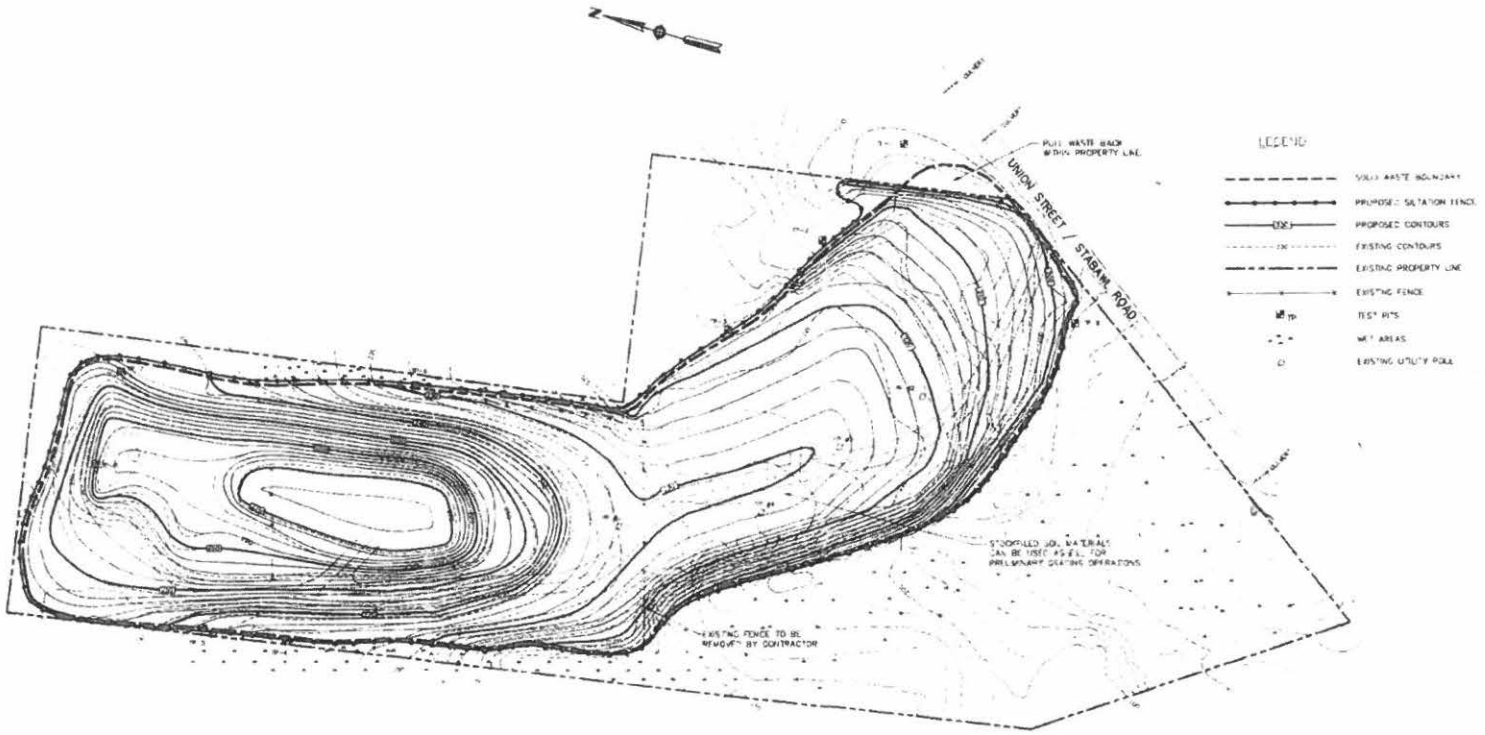
CITY OF ELLSWORTH, MAINE

LANDFILL CLOSING

EXHIBIT 1: LOCATION PLAN

SOURCE: 7.5 SERIES USGS MAP
ELLSWORTH QUADRANGLE


~1000' BEYOND SOLID WASTE BOUNDARY
PROJECT LOCATION
ELLSWORTH
Simmons Pond
Gravel Pit
Maine Coast Mem. Hospital
Federal Bldg
City Hall
Black Point
Trailer
CITY OF ELLSWORTH, MAINE
LANDFILL SITE REVIEW
SKETCH 2: FRESHWATER WETLANDS
SOURCE: NATIONAL WETLANDS INVENTORY
ELLSWORTH QUADRANGLE



SITE PLAN

DATE	ADDITION OR REVISION

DES. BY: DSA | DR. BY: DJM | CK. BY: RMB

CITY OF ELLSWORTH, MAINE

LANDFILL CLOSING

SITE PLAN

SCALE: 1" = 50' | JOB NO. 94325.01

DATE: JULY 1994 | SHEET 1 OF 2

WOODARD & CURRAN INC.