

PLUMBING APPLICATION		PROPERTY ADDRESS	
Town Or Plantation	Portland	Street	Congress Street
Subdivision Lot #		PROPERTY OWNERS NAME	
Last:	Hutchins	First:	
Applicant Name:	The Gerber Co. Inc.		
Mailing Address of Owner/Applicant (If Different)	226 Anderson Street Portland, ME 04107		
Owner/Applicant Statement		Caution: Inspection Required	
I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.		I have inspected the installation authorized above and found it to be in compliance with the Maine Plumbing Rules.	
Signature of Owner/Applicant: <i>The Gerber Co. Inc. 8/1/87</i>		Local Plumbing Inspector Signature: <i>[Signature]</i> Date Approved: <i>8/1/87</i>	

PERMIT INFORMATION		
This Application Is for	Type Of Structure To Be Served:	Plumbing To Be Installed By:
	1. <input checked="" type="checkbox"/> NEW PLUMBING 2. <input type="checkbox"/> RELOCATED PLUMBING 3. <input type="checkbox"/> SINGLE FAMILY DWELLING 4. <input type="checkbox"/> MODULAR OR MOBILE HOME 5. <input type="checkbox"/> MULTIPLE FAMILY DWELLING 6. <input checked="" type="checkbox"/> OTHER - SPECIFY... <i>Office Building</i>	1. <input checked="" type="checkbox"/> MASTER PLUMBER 2. <input type="checkbox"/> OIL BURNERMAN 3. <input type="checkbox"/> MFG'D. HOUSING DEALER/MECHANIC 4. <input type="checkbox"/> PUBLIC UTILITY EMPLOYEE 5. <input type="checkbox"/> PROPERTY OWNER LICENSE # <i>10-72</i>
AUG 11 1987		

Number	Hook-Ups And Piping Relocation	Number	Column 2 Type Of Fixture	Number	Column 1 Type Of Fixture
	HOO-K-UP: to public sewer in those cases where the connection is not regulated and inspected by the local Sanitary District	2	Hosebibb / Silcock		Bathtub (and Shower)
		2	Floor Drain		Shower (Separate)
		1	Urinal		Sink
	HOO-K-UP: to an existing subsurface wastewater disposal system.		Drinking Fountain	4	Wash Basin
			Indirect Waste	5	Water Closet (Toilet)
			Water Treatment Softener, Filter, etc.		Clothes Washer
	PIPING RELOCATION: of sanitary lines, drains, and piping without new fixtures.		Grease/Oil Separator		Dish Washer
			Dental Cuspidor		Garbage Disposal
			Bidet	1	Laundry Tub
			Other: _____	1	Water Heater
	Hook-Ups (Subtotal)		Fixtures (Subtotal) Column 2	1.1	Fixtures (Subtotal) Column 1
\$	Hook-Up Fee	5		5	Fixtures (Subtotal) Column 2
				1.6	Total Fixtures
				\$ 42.	Fixtures Fee
				\$	Hook-Up Fee
				\$	Permit Fee
				\$ 42.	Total

SEE PERMIT FEE SCHEDULE
FOR CALCULATING FEE

MITCHELL-DEWAN ASSOCIATES Landscape Architects

April 14, 1987

Portland Planning Board
City of Portland
389 Congress Street
Portland, ME 04101

RE: DAY CARE CENTER & OFFICE COMPLEX

Dear Planning Board Members:

On behalf of R. Brent Cote we are pleased to submit this application for Site Plan approval of a proposed day care facility and office building in Stroudwater Estates on Congress Street.

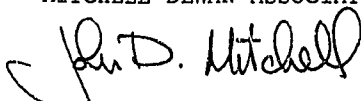
PROPOSED USE. The proposed development is to be built on a 2.48 acre tract of land owned by R. Brent Cote of Scarborough. The proposal consists of a new 3,200 square foot, two-story day care center, and a 20,000 square foot, three-story office building. The site is presently vacant wooded land.

SOLID WASTE DISPOSAL. Trash collection will be handled by a private contractor. Trash will be stored in the trash receptacle in the location shown on the Site Plan.

OFF-SITE PUBLIC FACILITIES. Water service to the proposed buildings will be provided from an existing 12 inch Portland Water District line located in Congress Street. Sanitary sewage will be provided by a new line to an existing sanitary sewer line in Congress Street. Electricity and telephone will be provided via underground service by Central Maine Power Company and New England Telephone Company respectively from existing services along Congress Street.

We trust that this submission fulfills the City's requirements for a workshop meeting with the Planning Board. Should you have any questions, please don't hesitate to contact us.

Sincerely,
MITCHELL-DEWAN ASSOCIATES


John D. Mitchell

Enclosure

386 Fore Street Portland Maine 04101

Tel 207-774-4427

Processing Form

Total Floor Area

BUILDING DEPARTMENT - ORIGINAL

SIGNATURE OF REVIEWING STAFF/DATE

CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

Processing Form

Applicant

Date

July 14, 1986

Mailing Address

Address of Proposed Site

Proposed Use of Site

Site Identifier(s) from Assessors Maps

Acreage of Site / Ground Floor Coverage

Zoning of Proposed Site

Site Location Review (DEP) Required: () Yes (✓) No

Proposed Number of Floors

Board of Appeals Action Required: () Yes (✓) No

Total Floor Area

Planning Board Action Required: () Yes (✓) No

Other Comments:

Date Dept. Review Due:

PUBLIC WORKS DEPARTMENT REVIEW

(Date Received)

	TRAFFIC CIRCULATION	ACCESS	CURB CUTS	ROAD WIDTH	PARKING	SIGNALIZATION	TURNING MOVEMENTS	LIGHTING	CONFLICT WITH CITY CONSTRUCTION PROJECT	DRAINAGE	SOIL TYPES	SEWERS	CURBING	SIDEWALKS	OTHER	
APPROVED	/	Not Applicable					/	✓	✓	✓	✓	✓	✓	✓	✓	
APPROVED CONDITIONALLY																✓
DISAPPROVED																
																REASONS SPECIFIED BELOW

REASONS: 1) Silt fence must be installed around the perimeter of the site and maintained in good working order.

(Attach Separate Sheet if Necessary)

Robert J. [Signature] July 16, 1986

SIGNATURE OF REVIEWING STAFF DATE

PUBLIC WORKS DEPARTMENT COPY

CITY OF PORTLAND, MAINE
SITE PLAN REVIEW
 Processing Form

Applicant: George M. Sullivan

Mailing Address: 1000 Bay View Rd.

Date: July 14, 1986

Proposed Use of Site: Office Building

Address of Proposed Site: 1000 Bay View Rd.

Acreage of Site: 1.0 Ground Floor Coverage: 10,000

Site Identifier(s) from Assessors Maps: 1000 Bay View Rd.

Zoning of Proposed Site: Office

Site Location Review (DEP) Required: () Yes () No

Board of Appeals Action Required: () Yes () No

Planning Board Action Required: () Yes () No

Proposed Number of Floors: 3

Total Floor Area: 30,000

Other Comments: _____

Date Dept. Review Due: _____

FIRE DEPARTMENT REVIEW

(Date Received) _____

	ACCESS TO SITE	ACCESS TO STRUCTURES	SUFFICIENT VEHICLE TURNING ROOM	SAFETY HAZARDS	HYDRANTS	SIAMOSE CONNECTIONS	SUFFICIENCY OF WATER SUPPLY	OTHER	
APPROVED									
APPROVED CONDITIONALLY									CONDITIONS SPECIFIED BELOW
DISAPPROVED									REASONS SPECIFIED BELOW

REASONS: _____

(Attach Separate Sheet if Necessary)

FIRE DEPARTMENT COPY

SIGNATURE OF REVIEWING STAFF/DATE

James F. Collins

7-22-86

CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

Processing Form

Date

July 14, 1988

licant: XXXXXXXXXXXXXXXXXXXX

ing Address: XXXXXXXXXXXXXXXXXXXX

osed Use of Site: XXXXXXXXXXXXXXXXXXXX

age of Site: XXXXXXXXXXXXXXXXXXXX

Location Review (DEP) Required: () Yes () No

ard of Appeals Action Required: () Yes () No

Planning Board Action Required: () Yes () No

Other Comments: XXXXXXXXXXXXXXXXXXXX

te Dept. Review Due: XXXXXXXXXXXXXXXXXXXX

Address of Proposed Site: XXXXXXXXXXXXXXXXXXXX

Site Identifier(s) from Assessors Maps: XXXXXXXXXXXXXXXXXXXX

Zoning of Proposed Site: XXXXXXXXXXXXXXXXXXXX

Proposed Number of Floors: XXXXXXXXXXXXXXXXXXXX

Total Floor Area: XXXXXXXXXXXXXXXXXXXX

PLANNING DEPARTMENT REVIEW

(Date Received)

- ☐ Major Development — Requires Planning Board Approval: Review Initiated
- ☒ Minor Development — Staff Review Below

LOADING AREA	PARKING	CIRCULATION PATTERNS	ACCESS	PEDESTRIAN WALKWAYS	SCREENING	LANDSCAPING	SPACE & BULK OF STRUCTURES	LIGHTING	CONFLICT WITH CITY PROJECTS	FINANCIAL CAPACITY	CHANGE IN SITE PLAN

APPROVED

APPROVED CONDITIONALLY

DISAPPROVED

CONDITIONS SPECIFIED BELOW

REASONS SPECIFIED BELOW

REASONS: THIS PLAN HAS GRADING APPROVAL ONLY

(Attach Separate Sheet if Necessary)

SIGNATURE OF REVIEWING STAFF/DATE

PLANNING DEPARTMENT COPY

APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

JUL 20 1986

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION PORTLAND, MAINE

City of Portland

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION Lot 3-7 Congress St. Fire District #1 ☐ #2 ☐

1. Owner's name and address George M. Hutchins - Box 8358, 104104 Telephone 774-2621

2. Lessee's name and address Telephone

3. Contractor's name and address R. J. Cronin & Sons - Bartlett Telephone 854-1141

..... No. of sheets

Proposed use of building No. families

Last use No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$

FIELD INSPECTOR—Mr.

@ 775-5451

Appeal Fees \$ 300.00

Base Fee

Late Fee

TOTAL \$

site plan reveals
land fill and grading only

Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?
Is connection to be made to public sewer? If not, what is proposed for sewage?
Has septic tank notice been sent? Form notice sent?
Height average grade to top of plat Height average grade to highest point of roof
Size, front depth solid or filled land? earth or rock?
Material of foundation thickness, top bottom cellar
Kind of roof use per foot Roof covering
No. of chimneys Material of chimneys of lining Kind of heat fuel
Framing Lumber—Kind Dressed or full size? Corner posts Sills
Size Girder Columns under girders Size Max. on centers
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor 2nd 3rd roof
On centers: 1st floor 2nd 3rd roof
Maximum span: 1st floor 2nd 3rd roof
If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot, to be accommodated number commercial cars to be accommodated
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY:

DATE

MISCELLANEOUS

BUILDING INSPECTION—PLAN EXAMINER

Will work require disturbing of any tree on a public street?

ZONING:

BUILDING CODE:

Will there be in charge of the above work a person competent

Fire Dept.:

to see that the State and City requirements pertaining thereto

Health Dept.:

are observed?

Others:

Signature of Applicant Phone # same

Type Name of above George M. Hutchins PE 2 ☐ 3 ☐ 4 ☐

Other
and Address

2

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

Processing Form

George K Hutchins

Nov. 25, 1986

Applicant P.O. Box 8358 Portland 774-2621Date Lot # 7 Congress StreetMailing Address Office Bldg.

Address of Proposed Site

Proposed Use of Site 75,201 sq ft. 9,944 sq ft.Site Identifier(s) from Assessors Maps Choudwater Estates

I-1

Acreage of Site / Ground Floor Coverage

Zoning of Proposed Site

Site Location Review (DEP) Required: () Yes () No

Proposed Number of Floors 1

Board of Appeals Action Required: () Yes () No

Total Floor Area 9,944 sq ft.

Planning Board Action Required: () Yes () No

Other Comments: _____

Date Dept. Review Due: _____

PLANNING DEPARTMENT REVIEW

(Date Received) _____

☐ Major Development — Requires Planning Board Approval: Review Initiated☒ Minor Development — Staff Review Below

	LOADING AREA	PARKING	CIRCULATION PATTERN	ACCESS	PEDESTRIAN WALKWAYS	SCREENING	LANDSCAPING	SPACE & BULK OF STRUCTURES	LIGHTING	CONFLICT WITH CITY PROJECTS	FINANCIAL CAPACITY	CHANGE IN SITE PLAN	
APPROVED	X	X											
APPROVED CONDITIONALLY			X	X									CONDITIONS SPECIFIED BELOW
DISAPPROVED													REASONS SPECIFIED BELOW

REASONS: INSTALL GRANITE CURBING AT INTERSECTION
BETWEEN WADSWORTH DRIVE AND
LIBERTY MOUNTAIN AS SHOWN ON PLANS

(Attach Separate Sheet if Necessary)

George K Hutchins (6-26)
 SIGNATURE OF REVIEWING STAFF/DATE

PLANNING DEPARTMENT COPY

CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

Processing Form

George M Hutchins

Nov. 25, 1986

Applicant	P.O. BOX 8358 Portland 774-2621	Date	Lot # 7 Congress Street
Mailing Address	Office bldg.	Address of Proposed Site	
Proposed Use of Site	75,201 sq ft. 9,944 sq ft.	Site Identifier(s) from Assessors Maps	I-1
Acreage of Site / Ground Floor Coverage		Zoning of Proposed Site	
Site Location Review (DEP) Required:	() Yes () No	Proposed Number of Floors	1
Board of Appeals Action Required:	() Yes () No	Total Floor Area	9,944 sq ft.
Planning Board Action Required:	() Yes () No		
Other Comments:			
Date Dept. Review Due:			

BUILDING DEPARTMENT SITE PLAN REVIEW

(Does not include review of construction plans)

- ☐ Use does NOT comply with Zoning Ordinance
- ☐ Requires Board of Appeals Action
- ☐ Requires Planning Board/City Council Action

Explanation

- ☐ Use complies with Zoning Ordinance — Staff Review Below

Zoning:
SPACE & BULK,
as applicable

	DATE	ZONE LOCATION	INTERIOR OR CORNER LOT	40 FT. SETBACK AREA (SEC. 21)	USE	SEWAGE DISPOSAL	REAR YARDS	SIDE YARDS	FRONT YARDS	PROJECTIONS	HEIGHT	LOT AREA	BUILDING AREA	AREA PER FAMILY	WIDTH OF LOT	LOT FRONTAGE	OFF-STREET PARKING	LOADING BAYS	
COMPLIES																			
COMPLIES CONDITIONALLY																			X
DOES NOT COMPLY																			

CONDITIONS
SPECIFIED
BELOWREASONS
SPECIFIED
BELOW

REASONS:

1 Loading Bay 14' x 50' to be provided
Security lighting on bldg exterior
to be provided.

SIGNATURE OF REVIEWING STAFF/DATE

BUILDING DEPARTMENT—ORIGINAL

CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

George M. Hutchins

Processing Form

Nov. 25, 1986

Applicant P.O. Box 8358 Portland 774-2621

Lot # 7 Congress Street

Mailing Address bldg.

Address of Proposed Site

Proposed Use of Site
75,201 sq. ft. 9,944 sq. ft.

Site Identifier(s) from Assessors Maps

Acreage of Site / Ground Floor Coverage

Zoning of Proposed Site

Site Location Review (DEP) Required: () Yes () No

Proposed Number of Floors 1

Board of Appeals Action Required: () Yes () No

Total Floor Area

Planning Board Action Required: () Yes () No

Other Comments:

Date Dept. Review Due:

FIRE DEPARTMENT REVIEW

Dec - 4 / 1986
(Date Received)

	ACCESS TO SITE	ACCESS TO STRUCTURES	SUFFICIENT VEHICLE TURNING ROOM	SAFETY HAZARDS	HYDRANTS	SIAMISE CONNECTIONS	SUFFICIENCY OF WATER SUPPLY	OTHER	
APPROVED									
APPROVED CONDITIONALLY									CONDITIONS SPECIFIED BELOW
DISAPPROVED									REASONS SPECIFIED BELOW

REASONS:

(Attach Separate Sheet if Necessary)

FIRE DEPARTMENT COPY

SIGNATURE OF REVIEWING STAFF/DATE

12-7-86

CITY OF PORTLAND, MAINE

SITE PLAN REVIEW

Processing Form

Shendean Corp.
George M Hutchins

Stroudwater Estates

Nov. 25, 1986

Applicant P.O. Box 8358 Portland 774-2621		Date Lot # 7 Congress Street
Mailing Address Office Bldg.		Address of Proposed Site
Proposed Use of Site 75,201 sq ft. 9,944 sq ft.		Site Identifier(s) from Assessors Maps I-1
Acreage of Site / Ground Floor Coverage		Zoning of Proposed Site
Site Location Review (DEP) Required: () Yes (✓) No	Proposed Number of Floors 1	
Board of Appeals Action Required: () Yes (✓) No	Total Floor Area 9,944 sq ft.	
Planning Board Action Required: () Yes (✓) No		
Other Comments:		
Date Dept. Review Due:		

PUBLIC WORKS DEPARTMENT REVIEW

RECEIVED
(Date Received)
JUN 15 1987

	TRAFFIC CIRCULATION	ACCESS	CURB CUTS	ROAD WIDTH	PARKING	SIGNALIZATION	TURNING MOVEMENTS	LIGHTING	CONFLICT WITH CITY CONSTRUCTION PROJECT	DEPT. OF BUILDING INSPECTIONS CITY OF PORTLAND					
										DRAINAGE	SOIL TYPES	SEWERS	CURBING	SIDEWALKS	OTHER
APPROVED	✓	✓	✓	✓	✓	—	✓	✓	✓		✓		✓	✓	—
APPROVED CONDITIONALLY										✓		✓			
DISAPPROVED															
															CONDITIONS SPECIFIED BELOW
															REAL JNS SPECIFIED BELOW

- REASONS: 1) Hydrobrake flow regulator with a peak outflow of 2 C.F.S. at 5.5 feet of head shall be installed in CB #2 as shown on the approved site plan.
- 2) The building sewer shall be 4 inch diameter and the connection to the city sewer shall be done by the Sewer Division of Public Works.
(Attach Separate Sheet if Necessary)
- 3) A sewer connection permit shall be obtained prior to making this connection.

Robert J. Roy 6/12/87

SIGNATURE OF REVIEWING STAFF/DATE

PUBLIC WORKS DEPARTMENT COPY

APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

JUL 9 1987

LOCATION

PORTLAND, MAINE

Nov. 25, 1987

City Of Portland

OFFICE OF BUILDING INSPECTION SERVICES, PORTLAND, MAINE

designed hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

IN Lot # 7 Congress Street - Stouwater Estates Fire District #1 ☐, #2 ☐
Name and address George M. Hutchins, Box 8358, Portland, ME 04104 Telephone 774-2621
Name and address Telephone
Owner's name and address Telephone
Clean Corp., P.O. Box 669, Westbrook, ME 04092 Telephone
Use of building office bldg. No. of sheets
No. stories Heat Style of roof Roofing
No. families
No. families
Things on same lot
Contractual cost \$ 600,000

SPECTOR—Mr
@ 775-5451

Applied Fees \$ 300.00
Site Plan
TOTAL \$ 3,020.00

Know site plan review

construct office building as per plans

no permit to #3 Dale Akaley

Stamp of Special Conditions

APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical leads.

DETAILS OF NEW WORK

ing involved in this work? Is any electrical work involved in this work?
to be made to public sewer? If not, what is proposed for sewage?
Notice been sent? Form notice sent?
grade to top of plate Height average grade to highest point of roof
depth No. stories solid or filled land? earth or rock?
Foundation Thickness, top bottom cellar
Rise per foot Roof covering
Material of chimneys of lining Kind of heat fuel
ber Kind Dressed or full size? Corner posts Sills
Columns and/or girders Size Max. on centers
walls and carrying partitions 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
d rafters: 1st floor 2nd 3rd roof
rs: 1st floor 2nd 3rd roof
n span: 1st floor 2nd 3rd roof
Building with masonry walls, thickness of walls? height?

IF A GARAGE

to be accommodated on same lot, to be accommodated, number commercial cars to be accommodated
other than minor repairs to cars habitually stored in the proposed building?

BY
SPECTION—PLAN EXAMINER

DATE

MISCELLANEOUS

Will work require disturbing of any tree on a public street?
Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

Signature of Applicant

Phone # same

Type Name of above

Marcia LeClair for
George M HutchinsME 2 ☐ 3 ☐ 4 ☐Other
and Address

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

2 Carroll



CITY OF PORTLAND

DEPARTMENT OF PLANNING & URBAN DEVELOPMENT
INSPECTION SERVICES DIVISION

July 28, 1986

Mr. George M. Hutchins
Box 8358
Portland, Maine 04104

Re: Lot # 7 Congress Street (Last lot in Portland)

Dear Sir:

Your application for site plan to fill and grade land has been reviewed and a permit is herewith issued subject to the following requirements:

1. Inspection Services Approved with conditions:
Congress Street and all other city streets shall be kept
clean of all fill material falling from trucks and equipment.
If needed street will be swept at contractor's expense.
P. S. Hoffses 7/28/86
2. Fire Department Approved Lt. J. P. Collins 7/28/86
3. Planning Division Approved with conditions:
This plan has grading approval only. Mr. David Klenk 7/22/86
4. Public Works Approved with conditions:
Silt fence must be installed around the perimeter of the site
and maintained in good working order.

If you have any questions on these requirements please call this office.

Sincerely,

P. Samuel Hoffses
Chief of Inspection Services

APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION 00967

JUL 29 1986

ZONING LOCATION PORTLAND, MAINE JULY 14, 1986

City Of Portland

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION Lot # 7 Congress St. LAST LOT IN PLOT Fire District #1 ☐ #2 ☐

1. Owner's name and address George M. Hutchins - Box 8358 04104 Telephone .. 774-2621

2. Lessee's name and address Telephone

3. Contractor's name and address R. J. Grondin & Sons - Bartlett Rd. Telephone .. 854-1147

..... Gorham No. of sheets

Proposed use of building No. families

Past use No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$

FIELD INSPECTOR—Mr.

@ 775-5451

Appeal Fees \$

site plan \$ 300.00

Base Fee

Late Fee

TOTAL \$

site plan review
land fill and grading only

1

Summary of Special Conditions
PERMIT ISSUED
WITH LETTER

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?

Is connection to be made to public sewer? If not, what is proposed for sewage?

Has septic tank notice been sent? Form notice sent?

Height average grade to top of plate Height average grade to highest point of roof

Size, front depth No. stories solid or filled land? earth or rock?

Material of foundation Thickness, top bottom cellar

Kind of roof Rise per foot Roof covering

No. of chimneys Material of chimneys of lining Kind of heat fuel

Framing Lumber Kind Dressed or full size? Corner posts Sills

Size Girders Columns under girders Size Max. on centers

Studs (outside walls and rying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.

Joists and rafters: 1st floor 2nd 3rd roof

On center: 1st floor 2nd 3rd roof

Maximum span: 1st floor 2nd 3rd roof

If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot , to be accommodated number commercial cars to be accommodated

Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY: DATE

BUILDING INSPECTION—PLAN EXAMINER

ZONING:

BUILDING CODE:

Fire Dept.:

Health Dept.:

Others:

MISCELLANEOUS

Will work require disturbing of any tree on a public street?

Will there be in charge of the above work a person competent

to see that the State and City requirements pertaining thereto

are observed?

Signature of Applicant *M. LeClair* Phone # .. sameType Name of above *Marcia LeClair* for ☒ 2 ☐ 3 ☐ 4 ☐

George M Hutchins Other

and Address

PERMIT ISSUED
WITH LETTER

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

[2] M. Carroll

Permit No. 861 967
Location 717 S. Englewood St.
Owner Charles Williams
Date of permit 7-19-86
Approved 7-29-86
Dwelling Land
Garage Shed
Alteration

NOTES

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APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION

PORTLAND, MAINE

Nov. 25, 1986

City Of Portland

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION Lot # 7 Congress Street - Stoudwater Estates. Fire District #1 ☐, #2 ☐

1. Owner's name and address ..George M. Hutchins ..Box. 8358 Portl... Telephone ..774-2621.

2. Lessee's name and address04104... Telephone

3. Contractor's name and address ... ~~George M. Hutchins~~ .. ~~Box. 8358 Portl...~~ ..Telephone .. ~~774-2621~~ ..

The Sheridan Corp. P.O. Box. 669 Westbrook... 774-6138 No. of sheets

Proposed use of building office bldg..... No. families

Last use No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$ 600,000....

FIELD INSPECTOR—Mr.

@ 775-5451

Appeal Fees \$

site plan 300.00

Base Fee

Late Fee

TOTAL \$ 3,020.00...

Minor site plan review

to construct office building as per plans

send permit to #3 Dale Akeley

Stamp of Special Conditions

PERMIT ISSUED
WITH LETTER

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?

Is connection to be made to public sewer? If not, what is proposed for sewage?

Has septic tank notice been sent? Form notice sent?

Height average grade to top of plate Height average grade to highest point of roof

Size, front depth No. stories solid or filled land? earth or rock?

Material of foundation Thickness, top bottom cellar

Kind of roof Rise per foot Roof covering

No. of chimneys Material of chimneys of lining Kind of heat fuel

Framing Lumber—Kin' Dressed or full size? Corner posts Sills

Size Girder Columns under girders Size Max. on centers

Studs (outside walls and carrying partitions) 2x4 16" O. C. Bridging in every floor and flat roof span over 8 feet.

Joists and rafters: 1st floor 2nd 3rd roof

On centers: 1st floor 2nd 3rd roof

Maximum span: 1st floor 2nd 3rd roof

If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot to be accommodated number commercial cars to be accommodated

Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY:

DATE

MISCELLANEOUS

BUILDING INSPECTION—PLAN EXAMINER

Will work require disturbing of any tree on a public street?

ZONING:

BUILDING CODE:

Fire Dept.:

Health Dept.:

Others:

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

Signature of Applicant

Phone # same

Type Name of above

Marcia LeClair for

2 ☒ 3 ☐ 4 ☐

George M Hutchins

Other and Address

PERMIT ISSUED
WITH LETTER

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

M. Carroll

Group design /transmittal

DATE: 11-24-86

PROJECT NO: _____

TO: City of Portland

Attn.

RE: Maine State Plan Review

Lot No. 7 Stormwater

Eriater, Longue St.

ATT: Portland, Me.

COPIES

DESCRIPTION

4 SI, SA, Lehigh Technical Rep & of

L, and AS

1 Copies Lehigh Technical

Stormwater Report

☒ for your use

_____ as requested

_____ approved as submitted

_____ approved as noted

other _____

REMARKS: _____

SIGNED: WICK



CITY OF PORTLAND

DEPARTMENT OF PLANNING & URBAN DEVELOPMENT
INSPECTION SERVICES DIVISION

July 8, 1987

The Sheridan Corporation
P.O. Box 669
Westbrook, ME 04092

Re: Lot #7 Stroudwater Estates (Outer Congress Street)

Dear Sir:

Your application to construct a office building (99' X 98') has been reviewed and a building permit is herewith issued subject to the following requirements.

Site Plan Review Requirements

Planning Division - Approved with conditions

1. Install granite curbing at radii and between radii of Drive and Liberty Mutual as shown in plan. Mr. Dave Klenk (6-26)

Inspection Division - Approved with conditions

1. Loading bay 14' by 50' to be provided.
2. Security lighting on building exterior to be provided.

Mr. Warren J. Turner (8-7)

Fire Department - Approved - Lt. Collins (12-4-86)

Public Works - Approved with conditions

1. Hydrobrake flow regulator with peak outflow of 2 C.F.S. at 5.5 feet of head shall be installed in CB #2 as shown on the approved site plan.
2. The building sewer shall be 4 inch diameter and the connection to the City sewer shall be done by the Sewer Division of Public Works.
3. A sewer connection permit shall be obtained prior to making this connection. Mr. R. Roy (6-12)

Building & Fire Code Requirements

1. All requirements of the Site Plan, Buildings and Fire Code will be completed before a certificate of occupancy can be granted.
2. All lot lines and the lot shall be clearly marked before calling for a foundation inspection.
3. This permit is issued as per floor plan received by this office on July 7, 1987. If at a future date you wish to place partitions, a permit must be obtained from this office.
4. All exit signs shall be located at exit doors or exit access areas, so as to be readily visible.

If you have any questions on these requirements, please do not hesitate to contact this office.

Sincerely,

P. Samuel Hoffses
Chief of Inspection Services

cc: D. Klenk, Planning
R. Roy, Public Works
Lt. Collins, Fire Prevention Bureau

/ksc

86203

EROSION AND SEDIMENT CONTROL PLAN

Lot 7, Stroudwater Estates
HUTCHINS TRANSPORTATION
Congress Street
Portland, Maine

1.0 GENERAL

This plan has been developed to provide a strategy for dealing with soil erosion and sedimentation during and after the construction of the building, driveways and utilities at the Hutchins Transportation site. This plan is based on the standards and specifications for erosion prevention as contained in the Environmental Quality Handbook for Erosion and Sediment Control dated, March, 1986.

The development will involve the construction of a building, parking area, utilities and driveways. The area is currently an undeveloped area with a mixed growth of trees.

(See Stormwater and Surface Drainage Report and site plan(s) for further description, location and objectives.)

The parcel is located on outer Congress Street and is bounded by The Tennis Racket on the west and Liberty Mutual on the east.

Only the areas required for construction shall be disturbed with the remaining portions being left in their natural state. The primary erosion control structures will be hay bales and filter fabric fencing.

2.0 CONSTRUCTION PHASE

In order to protect soil, water, wetland, and wildlife resources of this development and adjacent lands, only those areas necessary to construct the building, utilities and parking areas will be disturbed.

The following actions will be taken:

2.1 Those areas undergoing actual construction will be left in an untreated or unvegetated condition for a minimum time. Loam will be saved and anchored for later use where possible.

2.2. Prior to the start of construction, sediment control fencing (filter fabric) and/or hay bales will be staked across the slope(s), on the contour, at or just below the limits of clearing or grubbing, and/or just above any adjacent property line to protect against construction related erosion. Watersheds over .5 acres will require filter fabric. (See detail sheet, Items #4A, #4B and #5.)

2.3 At a minimum, the hay bale barriers shall be inspected and repaired once a week or immediately following any significant rainfall or snow melt. Sediment trapped behind these hay bale barriers shall be excavated when it reaches a depth of 6 inches and regraded on to the site. If these hay bale barriers prove to be ineffective, the applicant shall substitute silt fencing.

2.4 If final seeding of the disturbed areas is not completed by September 15th of the year of construction then on that date these areas will be graded and smoothed, then seeded to a winter cover crop of Rye at the rate of 112 lbs./acre or 3 lbs./1000 sq. ft. The Rye seeding will be preceded by an application of 3 tons of lime and 1,000 lbs of 10-10-10 fertilizer or its equivalent. If the Rye seeding cannot be completed by October 1st, then on that date hay mulch will be applied at the rate of 2 tons per acre to provide Winter protection. If Rye does not make adequate growth by December 1st, then on that date hay mulch at the above rates will be added.

3.0 REVEGETATION PLAN

Revegetation measures will commence immediately upon completion of construction except as noted under paragraph 2.4 above. All disturbed areas not otherwise stabilized will be graded, smoothed, and prepared for final seeding as follows:

3.1 Four inches of loam will be spread over disturbed areas and smoothed to a uniform surface.

3.2 In lieu of soil tests, agricultural limestone will be spread at the rate of three tons per acre. 10-20-20 fertilizer will follow at the rate of 800 lbs per acre. These two soil amendments will be incorporated into the soil prior to seeding.

3.3 Following seed bed preparation, the swales, fill areas, and back slopes will be seeded to a mixture of 35% Creeping Red Fescue, 6% Red Top, 24% Kentucky Bluegrass, 10% Perennial Ryegrass, 20% Annual Ryegrass and 5% White Dutch Clover. The lawn areas will be seeded to a premium turf mixture of bluegrass and/or fescue. Sod may be substituted for seed only.

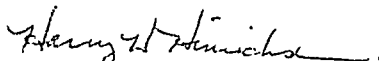
3.4 Hay mulch at the rate of two tons per acre will be applied following seeding or a hydro-application of asphalt, wood, or paper fiber. A suitable binder such as Terra Tack II or Aerospray 7 will be used on hay mulch according to manufacturers recommendations.

4.0 MONITORING SCHEDULE

4.1 Maintenance measures will be applied as needed during the entire construction cycle. After each rainfall, a visual inspection will be made of all installed erosion control measures and repairs will be made as needed to insure their continuing function as designed. Following the final seedings, the site will be inspected every thirty days until the seedings have been 75% established. Reseeding will be carried out, with follow-up inspections, in the event of any failures.

Prepared by: Sebago Technics, Inc.
12 Westbrook Common
Westbrook, ME 04092

November 21, 1986


Harry H. Hinrichsen
Civil Engineer

jc

Applicant: *George M. Hutchins* Date: *July 6, 1987*
Address: *+ Harry A. Harmon*
Assessors No.: *Lot #7, Congress Dr Stroudwater Estates*

CHECK LIST AGAINST ZONING ORDINANCE

Date -

Zone Location - *T-1*

Interior or corner lot - *Interior*

Use - *Office Bldg*

Sewage Disposal - *City*

Rear Yards - *104'±*

Side Yards - *34'± and 78'±*

Front Yards - *25'*

Projections -

Height - *One story*

Lot Area - *75,201 sq ft*

Building Area - *9,944 sq ft*

Area per Family - *NA*

Width of Lot - *214'±*

Lot Frontage - *215'*

Off-street Parking - *25 spaces required if to be furnished*

Loading Bays - *1 loading Bay 14' x 50' to be provided*

Site Plan -

Shoreland Zoning -

Flood Plains -

Orig: 8711

XC: GOWEN

RBDW

BUTLER

Butler Manufacturing Company
5115 Tenth Avenue
Fairfield, Maine 04937
(207) 253-4000

June 9, 1987

1987

RECEIVED

Mr. Gary Owen
The Sheridan Corporation
P. O. Box 26
Fairfield, Maine 04937

98'x98'x14' LM
Hutchins Co.
Portland, Me.
BMC Order No. 14-050317-1

TO WHOM IT MAY CONCERN:

Please accept this letter as our certification that the Butler components of the subject building are designed in accordance with the 1976 edition of the American Institute of Steel Construction (AISC) and the 1980 edition of the American Iron and Steel Institute (AISI) design specifications.

The building is designed to carry a basic roof snow load of 30 p.s.f. and a collateral load of 5 p.s.f.

The building is designed for a basic wind load of 13 p.s.f. applied in accordance with the 1984 edition of the "Basic Building Code" (BBC) by the Building Officials and Code Administrators International, Inc. (BOCA).

Load combinations are dead plus live plus collateral, dead plus wind, dead plus live plus wind plus collateral.

These standard Butler components, when properly erected on an adequate foundation in accordance with the erection drawings as supplied and using the components as furnished, will meet the above loading requirements without exceeding the allowable working stress.

This certification does not cover field modifications or design of materials not furnished by BUTLER MANUFACTURING COMPANY.



Cordially yours,

A handwritten signature in dark ink, appearing to read "Kenneth L. Kraft".

Kenneth L. Kraft, P.E.
Senior Project Engineer
Buildings Division

KLK:glb

cc: Travis D. Philpott

STORMWATER RUNOFF AND DRAINAGE PLAN

Lot 7, Stroudwater Estates
HUTCHINS TRANSPORTATION
Outer Congress Street
Portland, Maine

Watershed Description

The proposed site lies within the Stroudwater River watershed, with several drainage ways existing within the parcel. An existing 18" concrete storm drain traverses diagonally through the northwestern quadrant of the lot, carrying drainage from outer Congress Street toward the rear of the property. Another drainageway with an easement lies along the entire easterly sideline of the parcel. The two drainageways meet just beyond the northeasterly corner and form a tributary of the river.

The parcel is located along the northerly side of Outer Congress Street in an area which has slopes ranging from 1% to 5%. Drainage runs toward the north (rear) side of Lot 7. Soils mapping from the Medium Intensity Cumberland County Survey of 1981 by the Soil Conservation Service shows the primary soils to be ELMWOOD fine sandy loams with some SCANTIC fine sandy loams toward the rear. The site is presently 100% vegetated, being moderately wooded with red pine and mixed hardwoods. No fields or apparent clearings exist on the undeveloped lot.

Evaluation Procedures

The purpose of this evaluation was to assess and identify the impact of peak stormwater runoff volumes that can be expected as a result of the project development. The Rational Method was used in this process, with consideration given to the 2 and 25 year storms.

Peak runoff rates were estimated in accordance with procedures and methods described in detail in the Greater Portland Council of Governments - Stormwater Management Manual (1981).

Summary and Conclusions

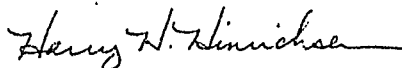
The present and future runoff rate comparison for the 25 year storm shows an increase from 3.74 cfs to 6.36 cfs for the entire site. The comparison for the 2 year storm is 1.80 cfs to 3.06 cfs. The time of concentration, both before and after development, is less than 5 minutes. Runoff will be primarily sheet flows from the parking lot and piped flows from the catch basin and roof drains.

Stormwater Management Plan

The stormwater management plan consists of a storm drain piping system with a large stilling basin at the outfall. Since there is a significantly lesser gradient to the rear of the parcel and the remaining land beyond, it does not appear that the increase in runoff from this particular lot will have a negative impact on water quality or land resource values. In addition, the lot is located near enough to the mouth of the Stroudwater River Watershed to show justification not to retain or store stormwater runoff for delayed release. This would allow for peak discharge from Lot 7 to pass through before the peak runoff from the headwaters of the river basin impacts this reach of the river and beyond. The drainageway beyond this lot travels only about 1500 feet before flowing into the Stroudwater River near the Turnpike Bridge. This point is roughly 1 1/2 miles above the confluence with the Fore River.

Prepared by: Sebago Technics, Inc.
12 Westbrook Common
Westbrook, ME 04092

November 20, 1986



Harry H. Hinrichsen
Civil Engineer

jc

25 YEAR STORM

SHEET 1

PROJECT LOT 7 STRAWWATER ESTATES HITCHINS TRANSPORTATION DRAINAGE CALCULATIONS	COMP. BY	JOB NO.
	HH	86203
	CHK. BY	DATE
		11/14/86

LOT AREA = 1.73 AC. (15,201 SQ. FT.)

USE RATIONAL METHOD

A) EXISTING PRESENT (UNDEVELOPED) CONDITIONS

RUN-OFF COEFFICIENT - C

FINE SANDY LOAM WITH 95% TREE & BRUSH C=0.40

Intensity - I = 5.4 IN./HR (25-YEAR STORM)

Tc = 5 MIN.

$$Q = C I A$$

$$= 0.4 (5.4) (1.73) = 3.74 \text{ cfs}$$

B) PROPOSED (DEVELOPED) CONDITION

RUN-OFF COEFFICIENT

a) IMPERVIOUS SURFACES

 DRIVEWAY, ROOFS & PARKING AREAS = 38,487 SQ. FT.
 23,543 + 9,944 = 0.884 ACRES

 b) REMAINING AREA - MIXED LAWN & TREES = 36,714 SQ. FT.
 = 0.842 ACRES

$$C = \frac{(0.884 \times .95) + (0.842 \times .4)}{1.73} \Rightarrow C = 0.68$$

$$Q = (0.68) (5.4) (1.73)$$

$$= 6.36 \text{ cfs}$$

PROJECT LOT 7 - HUTCHINS, TOWN OF
DRAINAGE CALCULATION

COMP. BY
JHH
CHK. BY

JOB NO.
86203
DATE
11/14/96

LOT AREA = 75,201 SQ. FT. = 1.73 AC.

2 YEAR FREQUENCY

A) UNDEVELOPED CONDITIONS

FROM SHEET 1 C = 0.40

Intensity - i = 2.6 IN/HR

$t_c = 5$ MIN

$$Q_{B2} = C \cdot i \cdot a = (0.40) (2.6 \text{ IN/HR}) (1.73 \text{ AC})$$

$$Q_{B2} = 1.80 \text{ cfs}$$

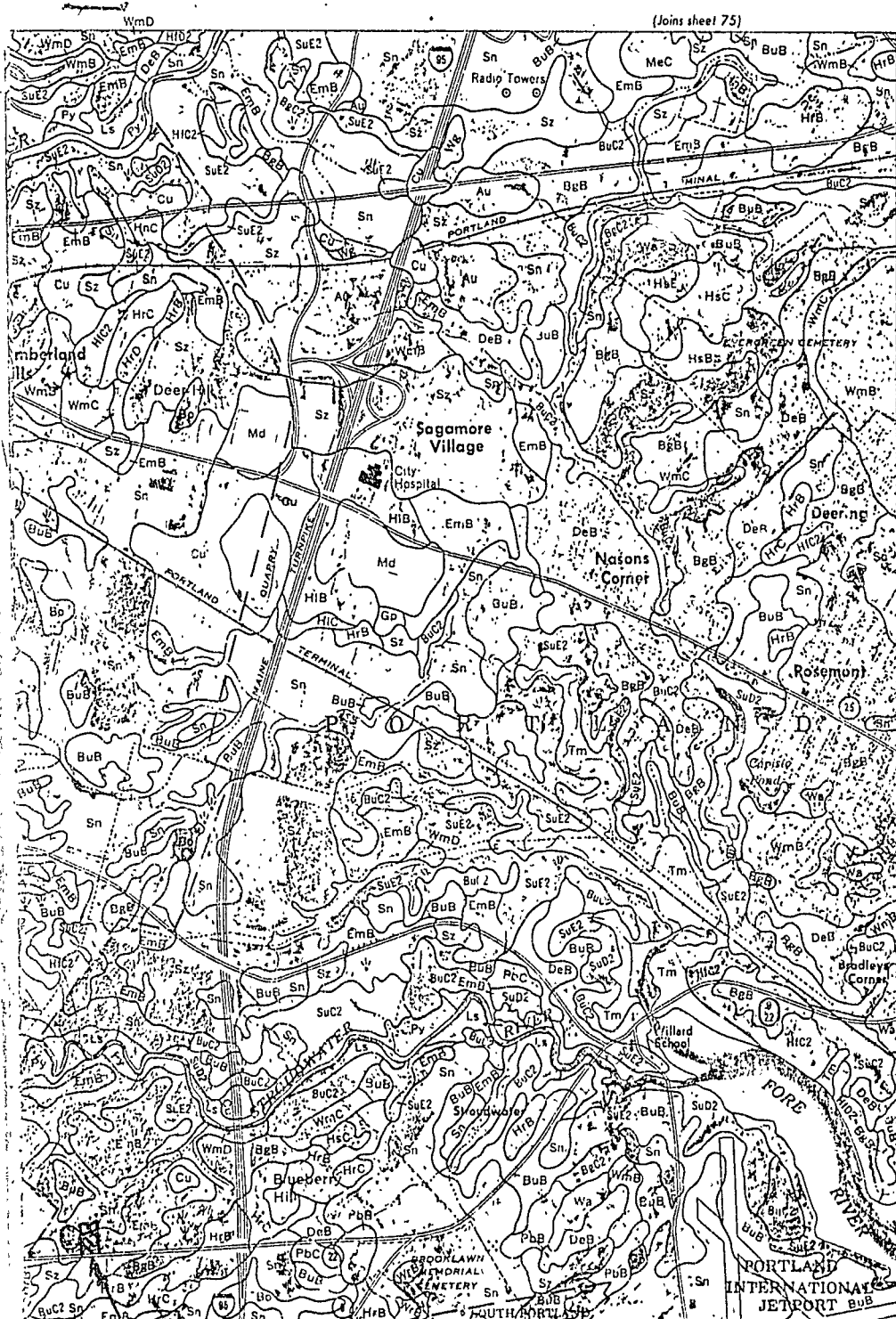
B) POST DEVELOPED CONDITIONS

FROM SHEET C = 0.68

i = 2.6 IN/HR

$t_c = 5$ MIN

$$Q_{A2} = (0.68) (2.6 \text{ IN/HR}) (1.73 \text{ AC}) \Rightarrow Q_{A2} = 3.06 \text{ cfs.}$$



PROJECT
LOCATION

field soils are similar to these soils, but Au Gres and Saugatuck soils are somewhat poorly drained, and Windsor soils are excessively drained. Deerfield soils lack the orthstein layer that is present in Saugatuck soils. Deerfield soils are mineral soils, but Sebago soils are organic soils.

Deerfield loamy sand, 0 to 3 percent slopes (DeA).— This soil has the profile described as representative of the series. It is on terraces. Included in mapping are small areas of Hinckley, Walpole, and Windsor soils. Also included are small areas of soils that have a finer textured substratum.

Runoff is slow. Available water capacity is low, though moisture generally is ample for most of the growing season because of a seasonal high water table. Late in summer the water table is lower, and this soil becomes droughty in places.

This Deerfield soil is suited to hay, pasture, row crops, and woodland. Wetness in spring is a concern of management. This soil does not respond well to fertilizer. For woodland use white pine and red pine are suitable for planting. Limitations are moderate to severe on this soil for community and recreational uses because of seasonal wetness and a seasonal high water table. Capability unit IIIw-5; woodland group 4o1; wildlife group 2.

Deerfield loamy sand, 3 to 8 percent slopes (DeB).— This soil is on terraces. Included in mapping are small areas of Hinckley, Walpole, and Windsor soils. Also included are small areas of soils that have a fine-textured substratum.

Runoff is slow. Available water capacity is low, though moisture generally is ample for most of the growing season because of a seasonal high water table. In late summer the water table is lower, and this soil becomes droughty in places.

This Deerfield soil can be used for hay, pasture, row crops, or woodland. Wetness in spring is a concern of management. The soil does not respond well to fertilizer. For woodland use white pine and red pine are suitable for planting. Limitations are moderate to severe on this soil for community and recreational uses because of seasonal wetness and a seasonal high water table. Capability unit IIIw-5; woodland group 4o1; wildlife group 2.

Dune Land

Dune land (Du) consists of deposits of fine and medium sand of glacial outwash and eolian origin. Slopes are short and undulating to steep. These deposits have not developed a profile because of shifting sands, a lack of vegetation, and biotic activity. Included in mapping are small areas of excessively drained Windsor loamy sands.

Dune land has severe or very severe limitations for farming and for woodland, community, and recreational uses. Capability unit VIIIs-5; woodland group 6s1; wildlife group 13.

Elmwood Series

The Elmwood series consists of deep, nearly level to undulating, moderately well drained soils. These soils formed in moderately coarse textured sediment of glacio-

fluvial origin that overlies fine textured and moderately fine textured sediment of marine and lacustrine origin. These soils are on terraces adjacent to streams and rivers in the central lowland and in the coastal areas.

A representative profile of an Elmwood soil in a cultivated area has a surface layer of dark-brown fine sand, loam 8 inches thick. Below the surface layer is 7 inches of yellowish-brown, friable sandy loam, which overlies 7 inches of light olive-brown sandy loam that has strong-brown mottles. At a depth of 22 inches is 3 inches of light olive-gray, massive sandy loam that has dark yellowish-brown mottles. This layer is underlain by 7 inches of pale-olive, firm sandy clay loam that has yellowish-brown mottles. The substratum, at a depth of 37 inches, is olive, firm silty clay loam.

The water table is at a depth of 1 to 21 feet in spring and during periods of heavy precipitation. Depth to bedrock is 5 feet or more.

Most areas of these soils are used for farming, but a few areas are wooded. The stands consists mainly of red pine, white pine, and northern hardwoods.

Representative profile of Elmwood fine sandy loam, 0 to 8 percent slopes, 0.3 mile north of the York County and Cumberland County line on the east side of U.S. Highway No. 1 in Scarborough Township:

- Ap—0 to 8 inches, dark-brown (10YR 4/3) fine sandy loam; weak, fine, granular structure; very friable; many roots; medium acid; abrupt, smooth boundary.
- B21—8 to 15 inches, yellowish-brown (10YR 5/6) sandy loam; weak, very fine, granular structure; friable; common roots; medium acid; clear, wavy boundary.
- B22—15 to 22 inches, light olive-brown (2.5Y 5/6) sandy loam; common, medium, distinct, strong-brown (7.5YR 5/8) mottles; massive; friable; a few roots; medium acid; clear, wavy boundary.
- A'2—22 to 25 inches, light olive-gray (5Y 6/2) sandy loam; common, medium, distinct, dark yellowish-brown (10YR 4/4) mottles; massive; friable; medium acid; abrupt, wavy boundary.
- IB'2—25 to 32 inches, pale olive (5Y 6/3) sandy clay loam; common, medium, distinct, yellowish-brown (10YR 5/8) mottles; moderate, fine, subangular blocky structure; firm; a few clay or silt coatings on vertical faces of peds and a very few on horizontal faces; thin silt and clay coatings in channels and pores; slightly acid; clear, wavy boundary.
- IC—32 to 60 inches, olive (5Y 4/3) silty clay loam; moderate, medium to thick, platy structure; firm; manganese stains on horizontal and vertical faces of peds; thin discontinuous coatings of fine silt on all faces of peds; faces are greenish-gray (5GY 6/1); slightly acid to neutral.

The solum ranges from 19 to 38 inches in thickness. Reaction ranges from strongly acid to slightly acid in the solum and from slightly acid to neutral in the C horizon.

The Ap horizon ranges from fine sandy loam to loam or sandy loam. The B21 and B22 horizons range from fine sandy loam to sandy loam. In the B'1 horizon hue is 7.5YR, 10YR, or 2.5Y; value ranges from 3 to 5; and chroma ranges from 3 to 6. The IB'2 horizon is sandy clay loam, silty clay loam, silty clay, or clay loam.

Associated with Elmwood soils in the landscape are Buxton, Melrose, Scantic, Suffield, Swanton, and Whately soils. Elmwood soils are moderately well drained, Swanton soils are somewhat poorly drained to poorly drained, and Whately soils are very poorly drained. Elmwood soils are moderately coarse textured to a depth of about 24 inches and moderately fine and fine textured below. They are coarser textured in the upper part than Buxton, Suffield, and Scantic soils, which are medium textured throughout.

SOIL SURVEY

Elmwood fine sandy loam, 0 to 8 percent slopes (Em8).—This soil has the profile described as representative of the series. It is on terraces adjacent to streams and rivers. Included in mapping are small areas of Melrose, Swanton, and Whaley soils and small areas of soils that have a loamy sand surface layer and subsoil.

Runoff is slow to medium on this soil. Permeability is rapid above the fine-textured layer and slow within it. Available water capacity is high.

This Elmwood soil can be used for hay, pasture, and row crops if drainage is provided. It is also suited to woodland, and white pine, red pine, and white spruce are suitable for planting. This soil has severe to very severe limitations for most uses in community development, mainly because of its slow permeability and seasonal high water table. It has moderate limitations for most recreational uses because of slow drying and seasonal wetness. Capability unit IIw-8; woodland group 301; wildlife group 2.

Gravel Pits

Gravel pits (Gp) consists of open excavations of various sizes. The lower parts of the slopes are very steep. This land type generally is associated in the landscape with Hinckley soils, but areas are also near other soil of glacial outwash origin. Included in mapping are sand pits and borrow pits. Areas of Gravel pits too small to be delineated on the soil map are indicated by conventional symbols for Gravel pits. Steep banks of inactive areas of Gravel pits can be reclaimed if they are graded and seeded to grasses. Capability unit, unclassified; woodland group, needs onsite investigation; wildlife group 13.

Hartland Series

The Hartland series consists of deep, well-drained, gently sloping to strongly sloping, medium-textured soils. These soils formed in marine and lacustrine sediment. They are on terraces in coastal areas of the county.

A representative profile of a Hartland soil in a cultivated area has a surface layer of dark-brown silt loam 9 inches thick. Below this is 2 inches of grayish-brown, friable very fine sandy loam. The upper 12 inches of the subsoil is dark-brown and olive-brown, friable silt loam. The lower 6 inches of the subsoil is dark grayish-brown, friable very fine sandy loam. The substratum, at a depth of 29 inches, is alternating bands of light olive-brown, firm silt and yellowish-brown, firm very fine sand.

Depth to bedrock is 5 feet or more, and a seasonal high water table is at a depth of 3 to 5 feet or more. Permeability ranges from moderately rapid to moderately slow, and available water capacity is high.

Most areas of Hartland soils were formerly cultivated, but many are now wooded. Common species are hardhack, white pine, and ground juniper.

Representative profile of Hartland very fine sandy loam, 3 to 8 percent slopes, off Mumford Road near the dump in North Yarmouth Township:

A_p—0 to 9 inches, dark-brown (10YR 3/3) very fine sandy loam; moderate, fine, granular structure; very friable when moist; many roots; medium acid; abrupt, smooth boundary.

A₂—9 to 11 inches, grayish-brown (10YR 5/2) very fine sandy loam; moderate, fine, granular structure; friable when moist; common roots; medium acid; clear, wavy boundary.

B_{21h}—11 to 16 inches, dark-brown (10YR 4/3) silt loam; moderate, fine, blocky structure; friable when moist; common roots; medium acid, clear, wavy boundary.

B_{221r}—10 to 26 inches, olive-brown (2.5Y 4/4) silt loam; moderate, medium, blocky structure; friable when moist; a few thin films in root channels; a few roots; medium acid; clear, wavy boundary.

B₂₃—23 to 29 inches, dark grayish-brown (2.5Y 4/2) very fine sandy loam; moderate, medium, blocky structure; friable when moist; a few roots; medium acid; clear, wavy boundary.

C—20 to 69 inches, light olive-brown (2.5Y 5/4) silt varves and yellowish-brown (10YR 5/6) very fine sand varves; many small lenses of silty clay loam or clay; weak, thin, platy structure; firm when moist; a few roots in the upper part of the horizon; medium acid.

The solum ranges from 10 to 30 inches in thickness. Reaction ranges from strongly acid to neutral in the solum and in the substratum.

The A and B horizons range from silt loam to very fine sandy loam. The B_{21h}, B_{221r}, and B₂₃ horizons range from dark brown (10YR 4/3) to light olive brown (2.5Y 5/6). The C horizon is varved light olive-brown (2.5Y 5/4) silt and very dark grayish-brown (2.5Y 3/2) or yellowish-brown (10YR 5/6) very fine sand. The C horizon has massive or weak, thin to thick, platy structure.

Associated with Hartland soils in the landscape are Belgrade, Buxton, Elmwood, Melrose, Scantic, and Suffield soils. Hartland soils are similar to these soils, but Belgrade soils are moderately well drained. Also, the well-drained Suffield soils, the moderately well drained to somewhat poorly drained Buxton soils, and the poorly drained Scantic soils formed in finer textured material than the Hartland soils. Melrose soils and the moderately well drained Elmwood soils formed in fine sandy loam or sandy loam over fine-textured material.

Hartland very fine sandy loam, 3 to 8 percent slopes (Hf8).—This soil has the profile described as representative of the series. It is on terraces adjacent to natural drainageways, streams, and rivers. Runoff is medium on this soil. Included in mapping are some small areas of Belgrade, Buxton, and Elmwood soils and a few small areas of shallow soils.

This Hartland soil can be used for hay, pasture, and row crops and as woodland. If this soil is cultivated, it is susceptible to erosion. For woodland, white pine and red pine are suitable for planting. Capability unit IIe-7; woodland group 301; wildlife group 1.

Hartland very fine sandy loam, 8 to 15 percent slopes, eroded (HfC2).—This soil is on the lower part of slopes of terraces adjacent to drainageways, streams, and rivers. Its surface layer and the upper part of its subsoil are thinner than those of the profile described as representative of the series, but the two profiles otherwise are similar. Runoff is rapid. Included in mapping are small areas of Belgrade and Suffield soils. Also included are small areas of soils that have a very sandy subsoil and a few areas of shallow soils.

This Hartland soil can be used for hay, pasture, row crops, and woodland. If it is cultivated, erosion is a hazard. If this soil is used for woodland, white pine and red pine are suitable for planting, and the hazard of erosion is moderate. Capability unit IIIe-7; woodland group 301; wildlife group 1.

Hartland very fine sandy loam, 15 to 25 percent slopes, eroded (HfD2).—This soil is on the lower part of slopes of terraces adjacent to natural drainageways,

is 7.5YR or 10YR, value ranges from 4 to 7, and chroma is 3 or 4.

Associated with Saugatuck soils in the landscape are Au Gres, Deerfield, Scarborough, Secago, Swanton, Whately, and Windsor soils. Saugatuck soils are similar to these soils, but Windsor soils are excessively drained, Deerfield soils are moderately well drained, and Scarborough soils are very poorly drained. Saugatuck soils have an ortstein layer that is lacking in Au Gres, Swanton, and Whately soils. Secago soils formed in organic deposits, and the poorly drained Swanton and the very poorly drained Whately soils formed in glacioluvial deposits over a substratum of marine or lacustrine silt and clay.

Saugatuck loamy sand (Sd).—This is the only Saugatuck soil mapped in the survey area. It is on old delta areas. Included in mapping are small areas of Scarborough soils. Also included are a few areas that have a clay layer, at a depth of 24 to 40 inches, below the cemented subsoil.

Permeability is moderately rapid to slow in this soil, and runoff is slow. Available water capacity is low, but, because of a high water table, internal drainage is poor, and this soil generally is wet during most of the growing season.

If Saugatuck loamy sand is artificially drained, it can be used for hay and pasture. Locating suitable drainage outlets is a concern of management. If undrained, this soil is suited to limited pasture. This soil can also be used as woodland. White pine is suitable for planting, but seedling mortality is severe, and equipment limitations are severe because of wetness. Also, the windthrow hazard is severe because the roots of most plants are restricted to the zone above a high water table. Limitations are severe or very severe on this soil for all community and recreational uses, principally because of a high water table. Capability unit Yw-5; woodland group 4w1; wildlife group 3.

Scantic Series

The Scantic series consists of deep, nearly level, poorly drained, medium-textured soils that are underlain by fine-textured material. These soils formed in marine and lacustrine sediment. They are in old marine estuaries in the eastern and central parts of the county and in depressions around a few inland lakes.

A representative profile of a Scantic soil in a cultivated area has a surface layer of dark grayish-brown silt loam 8 inches thick that is underlain by 5 inches of olive-gray, friable heavy silt loam that has light olive-brown mottles. The upper 7 inches of the subsoil is olive-gray, firm heavy silt loam that has light olive-brown mottles, and the next 8 inches is olive-gray, firm heavy silty clay loam that has yellowish-brown mottles. The lower 4 inches of the subsoil is olive-gray, firm silty clay that has a few olive mottles. The substratum, at a depth of 32 inches, is olive-gray, firm clay that has a few dark-gray mottles.

A water table is at a depth of 1 foot during most of the year, and depth to bedrock is 5 feet or more.

A few areas of Scantic soils are farmed, but many are wooded. Common species are speckled alder, white pine, and black willow.

Representative profile of Scantic silt loam, on a big flat on the east side of Beech Ridge Road, 0.5 mile south of intersection with Holmes Road in Scarborough Township:

Ap—0 to 8 inches, dark grayish-brown (10YR 4/2) silt loam; moderate, fine, granular structure; friable when moist; many roots; strongly acid; abrupt, smooth boundary.

A2g—8 to 13 inches, olive-gray (5Y 5/2) heavy silt loam; a few, fine, distinct, light olive-brown (2.5Y 5/3) mottles; moderate, fine and medium, granular structure; friable when moist; common roots; strongly acid; clear, irregular boundary.

B21g—13 to 20 inches, olive-gray (5Y 5/2) heavy silt loam; common, fine, distinct, light olive-brown (2.5Y 5/4) mottles; moderate, medium, blocky structure; firm when moist; a few roots; patchy pressure faces on peds; medium acid; abrupt, smooth boundary.

B22g—20 to 28 inches, olive-gray (5Y 4/2) heavy silty clay loam; common, fine, distinct, yellowish-brown (10YR 5/6) mottles; moderate, coarse, prismatic structure, parting to moderate, medium, blocky structure; firm when moist; medium acid; gradual, wavy boundary.

B23g—28 to 32 inches, olive-gray (5Y 4/2) silty clay; a few, fine, distinct, olive (5Y 5/6) mottles; moderate, medium, platy structure; firm when moist; patchy pressure faces on peds; prominent black stains on ped faces; slightly acid; gradual, wavy boundary.

B2C—32 to 60 inches, olive-gray (5Y 4/2) clay; a few, coarse, faint, dark-gray (5Y 4/1) mottles on faces of platy peds; weak, thick, platy structure; firm when moist; slightly acid.

The solum ranges from 25 to 40 inches in thickness. Reaction in the Ap, A1, A2g, and B21g horizons ranges from strongly acid to medium acid. In the Ap horizon hue ranges from 10YR to 6Y, value is 4 or 5, and chroma is 1 or 2. In uncultivated areas an A1 horizon ranges from 2 to 5 inches in thickness. This horizon is very dark gray (10YR 8/3) or very dark grayish brown (10YR 9/2), and its texture is similar to that of the Ap horizon. The A2g horizon ranges from loam to silt loam. The O horizon ranges from silty clay loam to clay. Mottling is less evident or is lacking in this horizon.

Associated with Scantic soils in the landscape are Biddeford, Buxton, Elmwood, Melrose, and Suffield soils. Scantic soils are similar to these soils, but Suffield soils are well drained, Buxton soils are moderately well drained to somewhat poorly drained, and Biddeford soils are very poorly drained. Also, the well-drained Melrose soils and the moderately well drained Elmwood soils are fine sandy loam over silty clay.

Scantic silt loam (Sn).—This is the only Scantic soil mapped in the county. It is in old marine estuaries and in depressions around a few inland lakes. Included in mapping are small areas of Buxton, Biddeford, and Swanton soils. Also included are small areas of soils that have a few stratified sandy layers in the subsoil and the substratum and small areas of soils around inland lakes that have stones on the surface.

This soil is wet throughout the year. Permeability is moderate in the upper part of the horizon and slow to very slow in the lower part. Runoff is slow. Available water capacity is high.

If this Scantic soil is artificially drained, it can be used for hay and pasture. Locating suitable drainage outlets is a concern of management. If undrained, this soil is suited to limited pasture. For woodland use, white spruce, white cedar, and white pine are suited, but seedling mortality is severe, and equipment limitations are severe because of wetness. Also, the windthrow hazard is severe because the roots of most plants are restricted to the zone above a high water table. Limitations are severe or very severe for most community and recreational uses, principally because of a high water table. This soil is well suited to use as habitat for wetland wildlife. Capability unit Yw-7; woodland group 5w1; wildlife group 3.



The Sheridan Corporation
P.O. Box 359
Fairfield, Maine 04937

LETTER OF TRANSMITTAL

TO LT COLLINS & SAM HOPKES

DATE	<u>JULY 8, 87</u>	JOB NO.
ATTENTION		
RE	<u>HUTCHINS DIGITAL</u>	
	<u>PORTLAND MAINE</u>	

GENTLEMEN:

WE ARE SENDING YOU ☒ Attache ☐ Under separate cover via _____ the following items:

- ☐ Chop drawings ☐ Prints ☒ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

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