City of Portland

Development Review Application

Planning Division Transmittal Form

Application Number:	2014-149	Application Date:	08/11/2014
CBL:	057 C023001	Application Type:	Level III Site Plan Under 50,000 sq f
Applicant:	MAY STREET 7-9 LLC /	Alex Waters	
Project Name:	3 Unit townhouse		
Address:	7 MAY ST		
Project Description:	on: New Construction of a 3 unit townhouse located at 7 - 9 May Street in the West End		
Zoning:	B1/R6		
Other Required Revie	ews:		
☐ Traffic Moveme	nt 🗆 14-403 Streets	☐ Housing F	Replacement
☐ Storm Water	# Units	☐ Historic P	reservation
☐ Subdivision	☐ Flood Plain	☐ Other:	
# Lots	☐ Shoreland		
☐ Site Location	☐ Design Review		
# Unit	_		

Distribution List:

Planner	Barbara Barhydt	Parking	John Peverada
Zoning	Marge Schmuckal	Design Review	Alex Jaegerman
Traffic Engineer	Tom Errico	Corporation Counsel	Nennifer Thompson
Civil Engineer	David Senus	Sanitary Sewer	John Emerson
Fire Department	Chris Pirone	Inspections	Tammy Munson
City Arborist	Jeff Tarling	Historic Preservation	Deb Andrews
Engineering	David Margolis-Pineo	DRC Coordinator	Phil DiPierro
		Outside Agency	

Comments needed by 8/19/2014

7-9 MAY STREET PORTLAND, MAINE

Application For: Preliminary Site Plan Level III Review

Submitted by:

Kaplan Thompson Architects 254 Fore Street Portland, Maine 04101

For:

Alex Waters 6 Pond Ridge Ln. Norwalk, CT 06853

Date:

August 11, 2014



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	Cover Sheet
A-0.0	Site Plan
A-1.1	Plans
A-2.1	Elevations
C-1.1	Survey

DEVELOPMENT REVIEW APPLICATION

Portland, Maine



Yes. Life's good here.

Jeff Levine, AICP, Director Planning & Urban Development Department

Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.

By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a *legal signature* per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no Site Plan or Historic Preservation Applications can be reviewed until payment of appropriate application fees are *paid in full* to the Inspections Office, City of Portland Maine by method noted below:



Within 24-48 hours, once my complete application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

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I intend to deliver a payment method through the U.S. Postal Service mail once my application paperwork has been electronically delivered.

	8-7-2014
Appycan Signature:	Date:
	8-11-2014
I have provided digital copies and sent them on:	Date:

NOTE:

All electronic paperwork must be delivered to <u>buildinginspections@portlandmaine.gov</u> or by physical means i.e. a thumb drive or CD to the Inspections Office, City Hall, 3rd Floor, Room 315.

PROJECT NAME: 7-9 May Street		
PROPOSED DEVELOPMENT ADDRESS:		
7-9 May Street		
PROJECT DESCRIPTION:		
New construction of a 3 unit townhouse locate	ed at 7-9 May St. in the West	End.
CHART/BLOCK/LOT: 057 C023001	PRELIMINARY PLAN FINAL PLAN	20 <u>14-08-07</u> (date

CONTACT INFORMATION:

Applicant Contact Information
Work#
Home# (203) 642-3744
Cell # (203) 9129055 Fax#
e-mail: alex.c.waters@gmail.com
Owner Contact Information
Work#
Home#
Cell # Fax#
e-mail:
Agent/Representative Contact information
Work # 207-842-2888
Cell #
e-mail: jesse@kaplanthompson.com
Billing Information
Work #
Cell # Fax#
e-mail:

Engineer	Engineer Contact Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:
Surveyor	Surveyor Contact Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:
Architect Jesse Thompson	Architect Contact Information
Name: Kaplan Thompson Architects	Work # 207-842-2888
Address: 424 Fore Street	Cell # Fax#
City/State : Portland, ME Zip Code: 04101	e-mail: jesse@kaplanthompson.com
Attorney	Attorney Contact Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:

APPLICATION FEES:

Check all reviews that apply. (Payment may be made by Credit Card, Cash or Check payable to the City of Portland.)

Level III Development (check applicable reviews)	Other Reviews (check applicable reviews)
_X Less than 50,000 sq. ft. (\$500.00)	
50,000 - 100,000 sq. ft. (\$1,000)	Traffic Movement (\$1,000)
100,000 – 200,000 sq. ft. (\$2,000)	Stormwater Quality (\$250)
200,000 – 300,000 sq. ft. (\$3,000)	Subdivisions (\$500 + \$25/lot)
over \$300,00 sq. ft. (\$5,000)	# of Lots x \$25/lot =
Parking lots over 11 spaces (\$1,000)	Site Location (\$3,000, except for
After-the-fact Review (\$1,000.00 plus	residential projects which shall be
applicable application fee)	\$200/lot)
2.2	# of Lots x \$200/lot =
Plan Amendments (check applicable reviews)	Other
Planning Staff Review (\$250)	Change of Use
Planning Board Review (\$500)	Flood Plain
	Shoreland
The City invoices separately for the following:	Design Review
Notices (\$.75 each)	Housing Replacement
 Legal Ad (% of total Ad) 	Historic Preservation
 Planning Review (\$40.00 hour) 	
 Legal Review (\$75.00 hour) 	
Third party review fees are assessed separately. Any outside	
reviews or analysis requested from the Applicant as part of the	
development review, are the responsibility of the Applicant and	
are separate from any application or invoice fees.	
ANY VIEW	

APPLICATION SUBMISSION:

- All site plans and written application materials must be submitted electronically on a CD or thumb drive
 with each plan submitted as separate files, with individual file which can be found on the Electronic Plan
 and Document Submittal page of the City's website at
 http://me-portland.civicplus.com/764/Electronic-Plan-and-Document-Submittal
- In addition, one (1) paper set of the plans (full size), one (1) paper set of plans (11 x 17), paper copy of
 written materials, and the application fee must be submitted to the Building Inspections Office to
 start the review process.

The application must be complete, including but not limited to the contact information, project data, application checklists, wastewater capacity, plan for fire department review, and applicant signature. The submissions shall include one (1) paper packet with folded plans containing the following materials:

- 1. One (1) full size site plans that must be folded.
- 2. One (1) copy of all written materials or as follows, unless otherwise noted:
 - Application form that is completed and signed.
 - b. Cover letter stating the nature of the project.
 - All Written Submittals (Sec. 14-525 2. (c), including evidence of right, title and interest.
- A stamped standard boundary survey prepared by a registered land surveyor at a scale not less than one inch to 50 feet.
- Plans and maps based upon the boundary survey and containing the information found in the attached sample plan checklist.
- One (1) set of plans reduced to 11 x 17.

Please refer to the application checklist (attached) for a detailed list of submission requirements.

APPLICANT SIGNATURE:

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Planning Authority and Code Enforcement's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

This application is for a Level II Site Plan review. It is not a permit to begin construction. An approved site plan, a Performance Guarantee, Inspection Fee, Building Permit, and associated fees will be required prior to construction. Other Federal, State or local permits may be required prior to construction, which are the responsibility of the applicant to obtain.

Signature of Applicant:	Date:	
CM -	8-07-2014	

PROJECT DATA

The following information is required where applicable, in order to complete the application.

Total Area of Site	4,898 sq. ft.
Proposed Total Disturbed Area of the Site	4,898 sq. ft.
If the proposed disturbance is greater than one acre, then the a	pplicant shall apply for a Maine Construction General Permit
(MCGP) with DEP and a Stormwater Management Permit, Chapt	ter 500, with the City of Portland.
Impervious Surface Area	
Impervious Area (Total Existing)	- sq. ft.
Impervious Area (Total Proposed)	3,596 sq. ft.
Building Ground Floor Area and Total Floor Area	
Building Footprint (Total Existing)	sq. ft.
Building Footprint (Total Proposed)	1,678 sq. ft.
Building Floor Area (Total Existing)	- sq. ft.
Building Floor Area (Total Proposed)	3,356 sq. ft.
Zoning	
Existing	R-6 & R-6 Small Lot Residential, B1 Neighborhood Bus
Proposed, if applicable	R-6 Small Lot
Land Use	
Existing	Vacant
Proposed	Residential
11000364	Hesideritia
Residential, If applicable	
# of Residential Units (Total Existing)	-
# of Residential Units (Total Proposed)	3
# of Lots (Total Proposed)	1
# of Affordable Housing Units (Total Proposed)	-
Proposed Bedroom Mix	
# of Efficiency Units (Total Proposed)	-
# of One-Bedroom Units (Total Proposed)	-
# of Two-Bedroom Units (Total Proposed)	3
# of Three-Bedroom Units (Total Proposed)	=
Parking Spaces	
# of Parking Spaces (Total Existing)	
# of Parking Spaces (Total Proposed)	3
# of Handicapped Spaces (Total Proposed)	
Bicycle Parking Spaces	
# of Bicycle Spaces (Total Existing)	-
# of Bicycle Spaces (Total Proposed)	2
Estimated Cost of Project	\$450,000.00
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PORTLAND FIRE DEPARTMENT SITE REVIEW FIRE DEPARTMENT CHECKLIST



A separate drawing[s] shall be provided as part of the site plan application for the Portland Fire Department's review.

- 1. Name, address, telephone number of applicant
- 2. Alex Waters | 6 Pond Ridge Ln. Norwalk, CT 06853 | (203) 642-3744
- Name address, telephone number of architect
 Jesse Thompson | 424 Fore St. Portland, ME 04101 | (207) 842-2888
- 4. Proposed uses of any structures [NFPA and IBC classification]

5.

- 6. Square footage of all structures [total and per story] 1,678 per story | 5,034 total (including unconditioned basement)
- 7. Elevation of all structures
- 8. Proposed fire protection of all structures
 - As of September 16, 2010 all new construction of one and two family homes are required to be sprinkled in compliance with NFPA 13D. This is required by City Code. (NFPA 101 2009 ed.)
- Hydrant locations
 Approx. 110'-0 from new structure. Located at corner of May St. and Danforth St.
- 10. Water main[s] size and location
- 11. Access to all structures [min. 2 sides]
- 12. A code summary shall be included referencing NFPA 1 and all fire department. Technical standards.

Some structures may require Fire flows using annex H of NFPA 1

Project Description

7-9 May Street Project is the proposed new construction of a 3-unit townhouse building located in the West End. Each unit will be two-stories high with living space on the first floor and 2-bedrooms each on the upper floors.

The architectural features of the building will fit very well into the neighborhood. The structure will have ample porches easily visible from the street. A gabled roof with three separate dormers will help break up the main façade of the building and an expansive bay window will provide interest to the front façade. At two stories high, the scale of this townhouse will nicely complement the neighborhood.

The site is minimally sloped therefore, thus requiring very little additional grading. However, basic grading will be done to help divert stormwater onto the rain garden located at the back of the property. In addition to minimal grading, trench drains will divert storm water from the roof, and the site into the rain garden.

Three parking spots and two bicycle parking spots will be provided on site. The parking areas are tucked-away in a corner of the site and not very visible from the main road. A designated area for snow removal will be located adjacent to parking.

RIGHT, TITLE AND INTEREST

QUITCLAIM DEED With Covenant Statutory Short Form

KNOW ALL PERSONS BY THESE PRESENTS, that **Todd M. Alexander**, of Portland, County of Cumberland and State of Maine, for consideration paid, the receipt whereof is hereby acknowledged, does hereby **REMISE**, **RELEASE AND CONVEY**, to **May Street 7-9 LLC**, having a mailing address of 6 Pond Ridge Lane Norwalk CT 06853, **WITH QUITCLAIM COVENANT**, the following described real estate located in Portland, Maine:

A certain lot or parcel of land situated in the city of Portland, County of Cumberland and the state of Maine, bounded and described as follows: Beginning on the northeasterly side of May Street at an iron set in the ground at a point which is sixty-five and twenty-five hundredths (65.25) feet thereon from the intersection of the northeasterly side line of May Street and the northwesterly side of Danforth Street; thence by May Street northwesterly fifty-three and seventyfour hundredths (53.74) feet to an iron and land conveyed by Exchange Realty Co. to Peter Sitschew; thence northeasterly making and included angle of 89° 40', by said Sitschew land seventy-six and forty-five hundredths (76.45) feet to land formerly of one Bartol; thence southeasterly by said Bartol land seventy-three and ninety-one hundredths (73.91) feet to an iron set in the ground and land now or formerly of one Pistaki; thence southwesterly by said Pistaki land thirty-eight and five tenths (38.5) feet to a point; thence northwesterly at right angles to the last course twenty and fifty-eight hundredths (20.58) feet to a point; thence southwesterly at right angles to the last course forty (40) feet to the point of beginning.

Reference is made to a deed from Robert C. Hains to Todd M. Alexander dated November 30, 2012, recorded in the Cumberland County registry of deeds in Book 30174, Page 347.

IN WITNESS WHEREOF, the said Todd M. Alexander has set his hand and seal on December 9, 2013.

WITNESS:

Todd M. Alexander

STATE OF MAINE COUNTY OF CUMBERLAND, ss.

November 9, 2013

Then personally appeared the above-named Todd M. Alexander and acknowledged the foregoing instrument to be his free act and deed.

Notary Publishing Print name: Notary Public/Attorney-at-Layy

Return to: Alex and Kelly Waters 6 Pond Ridge Lane Norwalk, CT 06853

> Received Recorded Resister of Deeds Dec 11,2013 03:20:28P Comberland County Pamela E. Lovley

COMPLIANCE WITH ZONING REQUIREMENTS

Zoning Summary

Kaplan Thompson Architects

Chapter 14

May 16, 2014

Project address Project type 7 - 9 May St, Portland, ME, 04101 Multi-family Residential, >2 Units

City Zone

R-6 & R-6 Small Lot Residential, B1 Neighborhood Business

Legal ID

Permitted Uses Multiple Uses Allowed

Existing Uses Proposed Use

Vacant Land Multi-family Residential

Guidelines

Min Lot Size

R-6 Small Lot, Abutting Historic District

R-6 SMALL LOT

Vacant as of Jan 1, 2005

Dimensional Requirements

Required / Allowed 0 SF

Max Lot Size Min Area per Dwelling Unit 10,000 SF 725 SF per Unit

Min Street Frontage
Min Front Yard

40'-0"

Max Front Yard Min Rear Yard 10'-0" 10'-0" between buildings

or 2 bldg heights Div by 5 (1 rear or side 15-0 Min)

Min Side Yard

10'-0" between buildings or 2 bldg heights Div by 5 (1 rear or side 15-0 Min)

Max Lot Coverage 50% Min Lot Width 0'-0"

Min Lot Width 0'-0"

Min Building Height 2 Stories above grade

Max Building Height 45'-0"
Open Space Ratio 10% min

Provided 4,898 SF

6 unit max, 4,350 SF land min

53.751

FINANCIAL AND TECHNICAL CAPACITY



August 5, 2014

Alexander C D Waters 6 Pond Ridge Ln Norwalk, CT 06853 -1541

Dear Mr. Waters:

This letter is to confirm that you have active USAA Investment accounts. This letter also confirms that as of August 4, 2014, your total market value exceeded \$500,000.00. As owner of these accounts, you have full access to these funds.

Please do not hesitate to contact a USAA Member Service Representative at 800-531-8722 if we can be of any further assistance.

Thank you,

USAA

Technical Capacity

Architect: Kaplan Thompson Architects is a leader in Maine and the nation in building super-efficient residences at attainable costs. Kaplan Thompson is the lead designer on the project.

Other Consultants will be retained in an as-needed basis.



7-9 MAY STREET



PROJECT INFORMATION

Client: Alex Waters

Architect: Kaplan Thompson Architects

Contractor: TBD

Map / Lot: 057 C023001

Project Address: 7-9 May Street PORTLAND, MAINE

Zoning:

Building Codes: IRC 2009 NFPA 101 / 2009

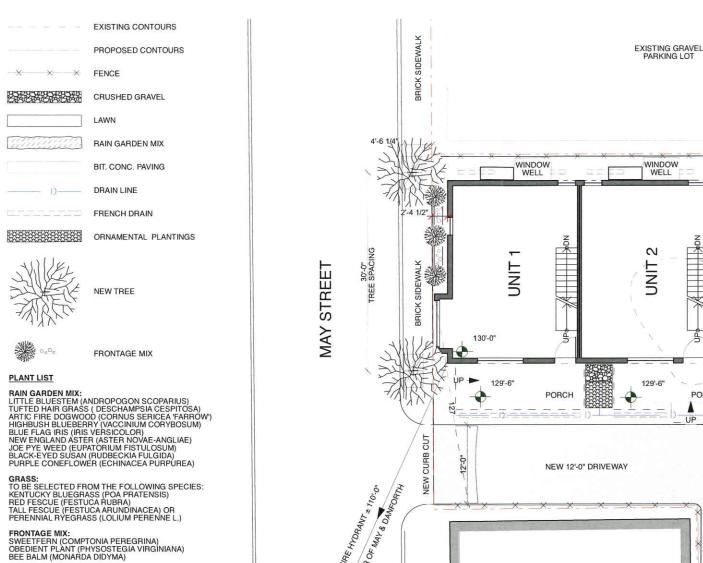
Site Area: 4,898 +/- SF 0.11 +/- ACRE

Occupancy: Townhouse - Residential

Max Building Height: 45'-0"

DRAWING INDEX		
	COVER SHEET	
4-0.0	SITE PLAN	
N-1.1	PLANS	
-21	EL EVATIONS	



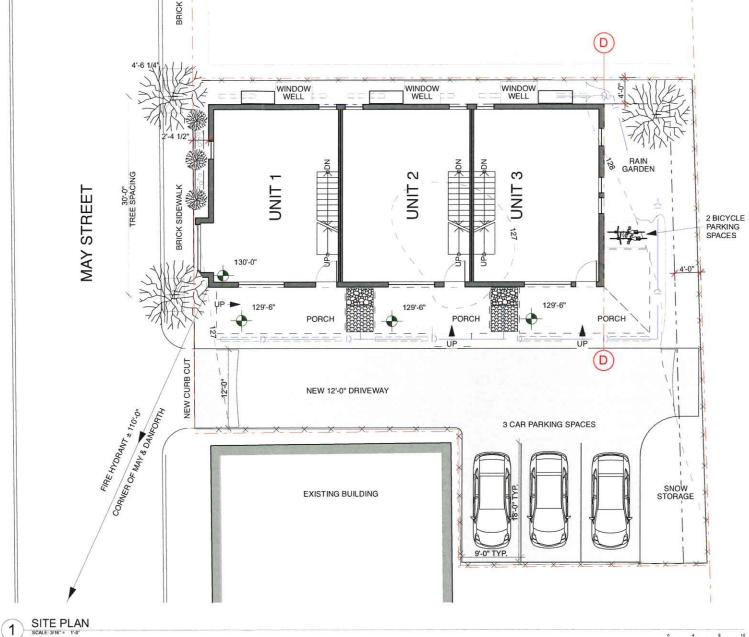


STORMWATER NOTES

ROOF WATER TO FALL ON CRUSHED STONE FRENCH DRAIN AT BUILDING EDGE

TREES: SERVICEBERRY (AMELARCHIER X GRANDFLORA 'AUTUMN BRILLIANCE)

- 2. TRENCH DRAIN WILL BE PIPED TO RAIN GARDEN AT REAR OF LOT
- 3. STORMWATER PIPING AND WASTE WATER PIPING TO BE SEPARATED AT PROPERTY BOUNDARY BEFORI CONNECTION TO CITY UTILITIES



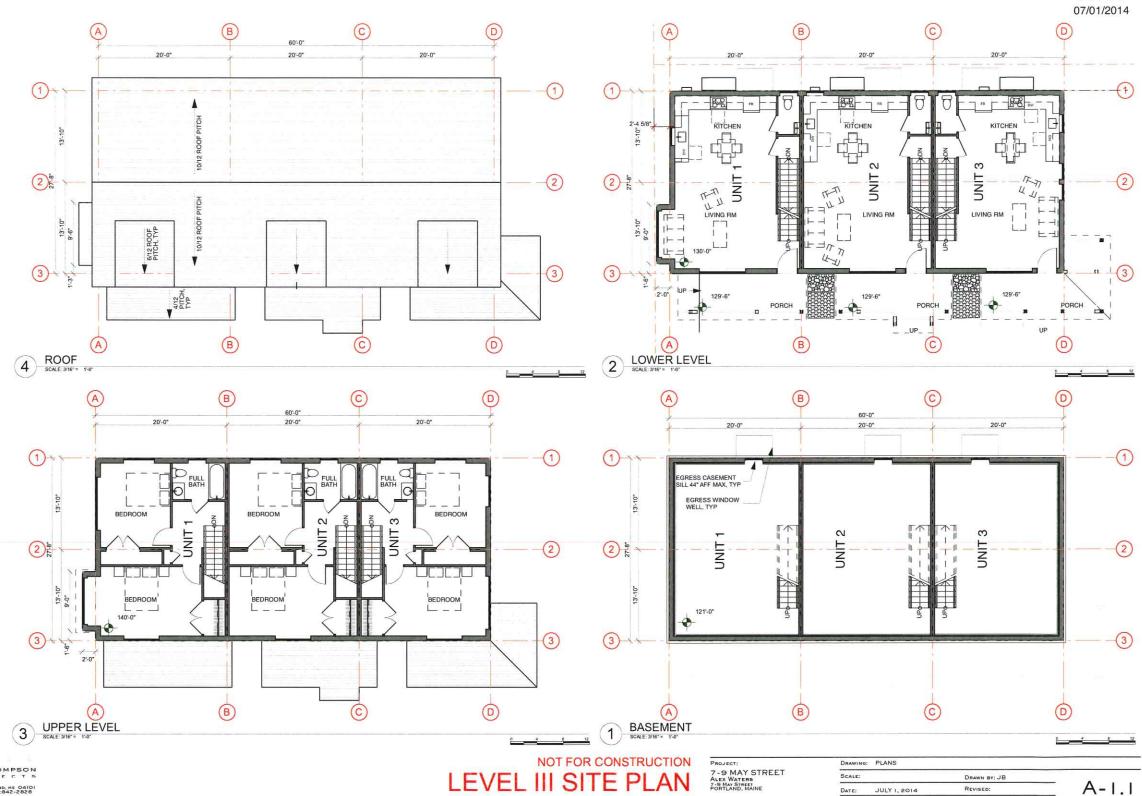
NOT FOR CONSTRUCTION LEVEL III SITE PLAN

PROJECT:
7 - 9 MAY STREET
ALEX WATERS
7-8 MAY STREET
PORTLAND, MAINE

DRAWING: SITE PLAN SCALE: AS INDICATED A-0.0 DATE: JULY 1, 2014

KAPLAN THOMPSON 424 FORE ST., PORTLAND, HE 04101 207-842-2888 FAX:842-2828





WAT

KAPLAN THOMPSON A R C H I T E C T 5 424 FORE ST., PORTLAND, ME 04101 207-842-2888 FAX:842-2828



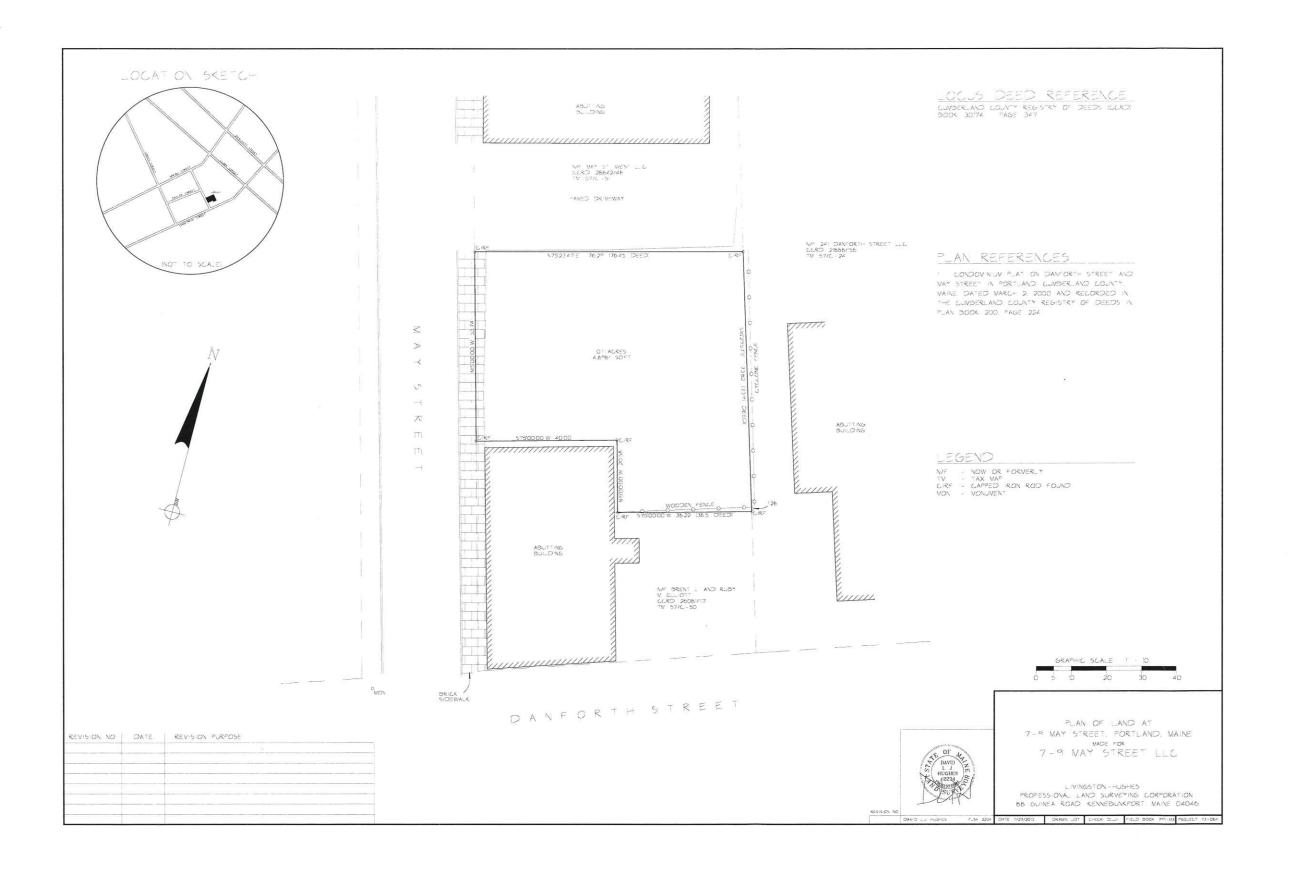
KAPLAN THOMPSON A R C H I T E C T S 424 FOREST., FORTLAND, HE O4101 207-842-2888 FAX:842-2828 NOT FOR CONSTRUCTION
LEVEL III SITE PLAN

PROJECT:
7-9 MAY STREET
ALEX WATERS
7-9 MAY STREET
PORTLAND, MAINE

DRAWING: ELEVATIONS

SCALE: DRAWN BY: JB

DATE: JULY 1, 2014 REVISED: A-2.1



7-9 MAY STREET PORTLAND, MAINE

Application For: Preliminary Site Plan Level III Review

Submitted by:

Kaplan Thompson Architects 424 Fore Street Portland, Maine 04101

For:

Alex Waters 6 Pond Ridge Ln. Norwalk, CT 06853

Resubmission Date:

November 24, 2014

Original Submission Date:

August 11, 2014



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DEVELOPMENT REVIEW APPLICATION



Jeff Levine, AICP, Director Planning & Urban Development Department

<u>Electronic Signature and Fee Payment Confirmation</u>

Notice: Your electronic signature is considered a legal signature per state law.

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Within 24-48 hours, once my application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

I intend to deliver a payment method through the U.S. Postal Service mail once my application paperwork has been electronically delivered.

M	Nov 24, 2014
Applicant Signature:	Date:
	Nov 25, 2014
I have provided digital copies and sent them on:	Date:

NOTE:

All electronic paperwork must be delivered to <u>buildinginspections@portlandmaine.gov</u> or by physical means i.e. a thumb drive or CD to the Inspections Office, City Hall, 3rd Floor, Room 315.



Level III – Preliminary and Final Site Plans Development Review Application Portland, Maine

Planning and Urban Development Department
Planning Division

Portland's Planning and Urban Development Department coordinates the development review process for site plan, subdivision and other applications under the City's Land Use Code. Attached is the application form for a Level III: Preliminary or Final Site Plan. Please note that Portland has delegated review from the State of Maine for reviews under the Site Location of Development Act, Chapter 500 Stormwater Permits, and Traffic Movement Permits.

Level III: Site Plan Development includes:

- New structures with a total floor area of 10,000 sq. ft. or more except in Industrial Zones.
- New structures with a total floor area of 20,000 sq. ft. or more in Industrial Zones.
- New temporary or permanent parking area(s) or paving of existing unpaved parking areas for more than 75 vehicles.
- Building addition(s) with a total floor area of 10,000 sq. ft. or more (cumulatively within a 3 year period) except in Industrial Zones.
- Building addition(s) with a total floor area of 20,000 sq. ft. or more in Industrial Zones.
- A change in the use of a total floor area of 20,000 sq. ft. or more in any existing building (cumulatively within a 3 year period).
- Multiple family development (3 or more dwelling units) or the addition of any additional dwelling unit if subject to subdivision review.
- Any new major or minor auto business in the B-2 or B-5 Zone, or the construction of any new major or minor auto business greater than 10,000 sq. ft. of building area in any other permitted zone.
- Correctional prerelease facilities.
- Park improvements: New structures greater than 10,000 sq. ft. and/or facilities encompassing 20,000 sq. ft. or more (excludes rehabilitation or replacement of existing facilities); new nighttime outdoor lighting of sports, athletic or recreation facilities not previously illuminated.
- Land disturbance of 3 acres or more (includes stripping, grading, grubbing, filling or excavation).

Portland's development review process and requirements are outlined in the Land Use Code (Chapter 14) which is available on our website:

Land Use Code: http://me-portland.civicplus.com/DocumentCenter/Home/View/1080
Design Manual: http://me-portland.civicplus.com/DocumentCenter/View/2355

Technical Manual: http://me-portland.civicplus.com/DocumentCenter/View/2356

Planning Division

Office Hours

Fourth Floor, City Hall 389 Congress Street (207) 874-8719 Office Hours Monday thru Friday 8:00 a.m. – 4:30 p.m.

PROJECT NAME: 7-9 May Street		
PROPOSED DEVELOPMENT ADDRESS:		
7-9 May Street		
PROJECT DESCRIPTION:		
New construction of a 3 unit townhouse located a	t 7-9 May St. in the Wes	t End.
CHART/BLOCK/LOT: 057 C023001	PRELIMINARY PLAN FINAL PLAN	Nov <u>. 24 , 2014</u> (date) (date)

CONTACT INFORMATION:

Applicant – must be owner, Lessee or Buyer	Applicant Contact Information
Name: Alex Waters	Work#
Business Name, if applicable: May Street 7-9 LLC	Home# (203) 642-3744
Address: 6 Pond Ridge Ln.	Cell # (203) 9129055 Fax#
City/State: Norwalk, CT Zip Code: 06853	e-mail: alex.c.waters@gmail.com
Owner – (if different from Applicant)	Owner Contact Information
Name: same as applicant	Work#
Address:	Home#
City/State : Zip Code:	Cell # Fax#
	e-mail:
Agent/ Representative	Agent/Representative Contact information
Name: Jesse Thompson	Work# 207-842-2888
Address: 424 Fore Street	Cell#
City/State: Portland, ME Zip Code: 04101	e-mail: jesse@kaplanthompson.com
Billing Information	Billing Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:

Engineer	Engineer Contact Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:
Surveyor	Surveyor Contact Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:
Architect Jesse Thompson	Architect Contact Information
Name: Kaplan Thompson Architects	Work# 207-842-2888
Address: 424 Fore Street	Cell# Fax#
City/State: Portland, ME Zip Code: 04101	e-mail: jesse@kaplanthompson.com
Attorney	Attorney Contact Information
Name:	Work#
Address:	Cell# Fax#
City/State : Zip Code:	e-mail:

APPLICATION FEES:

Check all reviews that apply. (Payment may be made by Credit Card, Cash or Check payable to the City of Portland.)

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The City invoices separately for the following: Notices (\$.75 each) Legal Ad (% of total Ad) Planning Review (\$40.00 hour) Legal Review (\$75.00 hour) Third party review fees are assessed separately. Any outside reviews or analysis requested from the Applicant as part of the development review, are the responsibility of the Applicant and are separate from any application or invoice fees.	Shoreland Design Review Housing Replacement Historic Preservation			

APPLICATION SUBMISSION:

- All site plans and written application materials must be submitted electronically on a CD or thumb drive with each plan submitted as separate files, with individual file which can be found on the Electronic Plan and Document Submittal page of the City's website at http://me-portland.civicplus.com/764/Electronic-Plan-and-Document-Submittal
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- One (1) copy of all written materials or as follows, unless otherwise noted:
 - Application form that is completed and signed.
 - b. Cover letter stating the nature of the project.
 - All Written Submittals (Sec. 14-525 2. (c), including evidence of right, title and interest.
- A stamped standard boundary survey prepared by a registered land surveyor at a scale not less than one inch to 50 feet.
- Plans and maps based upon the boundary survey and containing the information found in the attached sample plan checklist.
- One (1) set of plans reduced to 11 x 17.

Please refer to the application checklist (attached) for a detailed list of submission requirements.

APPLICANT SIGNATURE:

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Planning Authority and Code Enforcement's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

This application is for a Level II Site Plan review. It is not a permit to begin construction. An approved site plan, a Performance Guarantee, Inspection Fee, Building Permit, and associated fees will be required prior to construction. Other Federal, State or local permits may be required prior to construction, which are the responsibility of the applicant to obtain.

Signature of Applicant:	Date:	
	Nov 24, 2014	
CAN.		

PROJECT DATA

The following information is required where applicable, in order to complete the application.

Total Area of Site	4,898 sq. ft.
Proposed Total Disturbed Area of the Site	4,898 sq. ft.
f the proposed disturbance is greater than one acre, then the applicar	t shall apply for a Maine Construction General Perm
MCGP) with DEP and a Stormwater Management Permit, Chapter 500	, with the City of Portland.
Micol / Williams and a second a	
Impervious Surface Area	
Impervious Area (Total Existing)	- sq. ft.
Impervious Area (Total Proposed)	3,596 sq. ft.
Building Ground Floor Area and Total Floor Area	
Building Footprint (Total Existing)	sq. ft.
Building Footprint (Total Proposed)	1,678 sq. ft.
Building Floor Area (Total Existing)	- sq. ft.
Building Floor Area (Total Proposed)	3,356 sq.ft.
Building Floor Alea (Total Troposea)	(plus 1,678 sq.ft. unfinished baseme
Zoning	R-6 Residential, B1 Neighborhood Busine
Existing	TO Residential, D. Holginsoniesa Daent
Proposed, if applicable	B1 Neighborhood Business
Land Use	Vacant
Existing	Residential
Proposed	nesideritiai
Residential, If applicable	
# of Residential Units (Total Existing)	-
# of Residential Units (Total Proposed)	3
# of Lots (Total Proposed)	1
# of Affordable Housing Units (Total Proposed)	-
Proposed Bedroom Mix	
# of Efficiency Units (Total Proposed)	-
# of One-Bedroom Units (Total Proposed)	-
# of Two-Bedroom Units (Total Proposed)	3
# of Three-Bedroom Units (Total Proposed)	-
Parking Spaces	
# of Parking Spaces (Total Existing)	
# of Parking Spaces (Total Proposed)	3
# of Handicapped Spaces (Total Proposed)	-
Bicycle Parking Spaces	
# of Bicycle Spaces (Total Existing)	-
# of Bicycle Spaces (Total Existing) # of Bicycle Spaces (Total Proposed)	2
Estimated Cost of Project	\$450,000.00

	F	RELIMII	NARY PLAN (Optional) - Level III Site Plan	
Applicant Checklist	Planner Checklist	# of Copies	GENERAL WRITTEN SUBMISSIONS CHECKLIST	
Χ		1	Completed Application form	
Χ		1	Application fees (Resubmission only - original app+fees submitted 08/	
Χ		1	Written description of project	
Х		1	Evidence of right, title and interest	
N/A		1	Evidence of state and/or federal approvals, if applicable	
Х		1	Written assessment of proposed project's compliance with applicable zoning requirements	
N/A		1	Summary of existing and/or proposed easement, covenants, public or private rights-of-way, or other burdens on the site	
N/A		1	Written requests for waivers from site plan or technical standards, if applicable.	
Χ		1	Evidence of financial and technical capacity	
N/A		1	Traffic Analysis (may be preliminary, in nature, during the preliminary plan phase)	
Applicant Checklist	Planner Checklist	# of Copies	SITE PLAN SUBMISSIONS CHECKLIST	
X		1	Boundary Survey meeting the requirements of Section 13 of the City of Portland's Technical Manual	
Х		1	Preliminary Site Plan including the following: (information provided may be preliminary in nature during preliminary plan phase)	
Χ		Proposed	grading and contours;	
N/A		Existing s	tructures with distances from property line;	
Х			Proposed site layout and dimensions for all proposed structures (including piers, docks or wharves in Shoreland Zone), paved areas, and pedestrian and vehicle access ways;	
Х			Preliminary design of proposed stormwater management system in accordance with Section 5 of the Technical Manual (note that Portland has a separate applicability section);	
N/A			Preliminary infrastructure improvements;	
Χ		Prelimina	Preliminary Landscape Plan in accordance with Section 4 of the Technical Manual;	
N/A		floodplai	Location of significant natural features (including wetlands, ponds, watercourses, floodplains, significant wildlife habitats and fisheries or other important natural features) located on the site as defined in Section 14-526 (b) (1);	
N/A		Proposed	Proposed buffers and preservation measures for significant natural features, as defined in Section 14-526 (b) (1);	
N/A		Location, dimensions and ownership of easements, public or private rights of way, both existing and proposed;		
Χ		Exterior l	ouilding elevations.	

	FINAL PLAN - Level III Site Plan			
Applicant Checklist	Planner Checklist	# of Copies	GENERAL WRITTEN SUBMISSIONS CHECKLIST (* If applicant chooses to submit a Preliminary Plan, then the * items were submitted for that phase and only updates are required)	
		1	* Completed Application form	
		1	* Application fees	
		1	* Written description of project	
		1	* Evidence of right, title and interest	
		1	* Evidence of state and/or federal permits	
		1	* Written assessment of proposed project's specific compliance with applicable Zoning requirements	
		1	* Summary of existing and/or proposed easements, covenants, public or private rights-of-way, or other burdens on the site	
		1	* Evidence of financial and technical capacity	
		1	Construction Management Plan	
		1	A traffic study and other applicable transportation plans in accordance with Section 1 of the technical Manual, where applicable.	
		1	Written summary of significant natural features located on the site (Section 14-526 (b) (a))	
		1	Stormwater management plan and stormwater calculations	
		1	Written summary of project's consistency with related city master plans	
		1	Evidence of utility capacity to serve	
		1	Written summary of solid waste generation and proposed management of solid waste	
		1	A code summary referencing NFPA 1 and all Fire Department technical standards	
		1	Where applicable, an assessment of the development's consistency with any applicable design standards contained in Section 14-526 and in City of Portland Design Manual	
		1	Manufacturer's verification that all proposed HVAC and manufacturing equipment meets applicable state and federal emissions requirements.	

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Applicant Checklist	Planner Checklist	# of Copies	SITE PLAN SUBMISSIONS CHECKLIST (* If applicant chooses to submit a Preliminary Plan, then the * items were submitted for that phase and only updates are required)
		1	* Boundary Survey meeting the requirements of Section 13 of the City of Portland's Technical Manual
		1	Final Site Plans including the following:
			and proposed structures, as applicable, and distance from property line g location of proposed piers, docks or wharves if in Shoreland Zone);
		Existing	and proposed structures on parcels abutting site;
		STATE OF SECURITY	ts and intersections adjacent to the site and any proposed geometric tions to those streets or intersections;
		Location	, dimensions and materials of all existing and proposed driveways, vehicle estrian access ways, and bicycle access ways, with corresponding curb
		Engineer	red construction specifications and cross-sectional drawings for all driveways, paved areas, sidewalks;
		Location	and dimensions of all proposed loading areas including turning templates icable design delivery vehicles;
		Existing	and proposed public transit infrastructure with applicable dimensions and ring specifications;
		Location	of existing and proposed vehicle and bicycle parking spaces with
			le dimensional and engineering information;
		Location	n of all snow storage areas and/or a snow removal plan;
		A traffic	control plan as detailed in Section 1 of the Technical Manual;
		Proposed buffers and preservation measures for significant natural feat	ed buffers and preservation measures for significant natural features, pplicable, as defined in Section 14-526(b)(1);
			and proposed alteration to any watercourse;
			eation of wetlands boundaries prepared by a qualified professional as I in Section 8 of the Technical Manual;
		Propose	ed buffers and preservation measures for wetlands;
			soil conditions and location of test pits and test borings;
		Existing	vegetation to be preserved, proposed site landscaping, screening and
			ed street trees, as applicable;
			water management and drainage plan, in accordance with Section 5 of the al Manual;
		Grading	
			water protection measures;
		Existing	and proposed sewer mains and connections;

- Continued on next page -

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	Location of all existing and proposed fire hydrants and a life safety plan in
	accordance with Section 3 of the Technical Manual;
	Location, sizing, and directional flows of all existing and proposed utilities within
	the project site and on all abutting streets;
	Location and dimensions of off-premises public or publicly accessible
	infrastructure immediately adjacent to the site;
	Location and size of all on site solid waste receptacles, including on site storage
	containers for recyclable materials for any commercial or industrial property;
	Plans showing the location, ground floor area, floor plans and grade elevations for
	all buildings;
	A shadow analysis as described in Section 11 of the Technical Manual, if applicable;
	A note on the plan identifying the Historic Preservation designation and a copy of
	the Application for Certificate of Appropriateness, if applicable, as specified in
	Section Article IX, the Historic Preservation Ordinance;
	Location and dimensions of all existing and proposed HVAC and mechanical
	equipment and all proposed screening, where applicable;
	An exterior lighting plan in accordance with Section 12 of the Technical Manual;
	A signage plan showing the location, dimensions, height and setback of all existing
	and proposed signs;
	Location, dimensions and ownership of easements, public or private rights of way,
	both existing and proposed.
-	

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PORTLAND FIRE DEPARTMENT SITE REVIEW FIRE DEPARTMENT CHECKLIST



A separate drawing[s] shall be provided as part of the site plan application for the Portland Fire Department's review.

- Name, address, telephone number of applicant
- 2. Alex Waters | 6 Pond Ridge Ln. Norwalk, CT 06853 | (203) 642-3744
- Name address, telephone number of architect
 Jesse Thompson | 424 Fore St. Portland, ME 04101 | (207) 842-2888
- 4. Proposed uses of any structures [NFPA and IBC classification]
- 5.
- Square footage of all structures [total and per story]
 1,678 per story | 5,034 total (including unconditioned basement)
- 7. Elevation of all structures
- 8. Proposed fire protection of all structures
 - As of September 16, 2010 all new construction of one and two family homes are required to be sprinkled in compliance with NFPA 13D. This is required by City Code.

 (NFPA 101 2009 ed.)
- Hydrant locations Approx. 110'-0 from new structure. Located at corner of May St. and Danforth St.
- Water main[s] size and location
- 11. Access to all structures [min. 2 sides]
- 12. A code summary shall be included referencing NFPA 1 and all fire department. Technical standards.

Some structures may require Fire flows using annex H of NFPA ${\bf 1}$

CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

Department of Public Services, 55 Portland Street, Portland, Maine 04101-2991

Engineering Consultant Name: Engineering Consultant Address:

Peaking Factor/ Peak Times:

Estimated Domestic Wastewater Flow Generated:

Phone:



Mr. Frank J. Brancely, Senior Engineering Technician, Phone #: (207) 874-8832, Fax #: (207) 874-8852, E-mail:fib@portlandmaine.gov

Date:	CANTA	TIS POR	E-mail:fjb@portlandmaine.gov	
1. Please, Submit Utility, Site, and Loc Site Address:	us Plans.	C	Chart Block Lot Number:	
Proposed Use: Previous Use: Existing Sanitary Flows: Existing Process Flows: Description and location of City sewer receive the proposed building sewer language.	GPD GPD that is to	Site Category	Commercial (see part 4 below) Industrial (complete part 5 below) Governmental Residential Other (specify)	
(Clearly, indicate	e the propose	ed connections, o	on the submitted plans)	
2. Please, Submit Contact Information City Planner's Name: Owner/Developer Name:		_ Phone:		
Owner/Developer Address: Phone:	Fax:		E-mail:	
1 1101101				

(Note: Consultants and Developers should allow +/- 15 days, for capacity status, prior to Planning Board Review)

3. Please, Submit Domestic Wastewater Design Flow Calculations.

(Note: Please submit calculations showing the derivation of your design flows, either on the following page, in the space provided, or attached, as a separate sheet)

Specify the source of design guidelines: (i.e._"Handbook of Subsurface Wastewater Disposal in Maine,"
__"Plumbers and Pipe Fitters Calculation Manual," __ Portland Water District Records, __ Other (specify)

E-mail:

GPD

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4. Please, Submit External Grease Interceptor Calculations. Total Drainage Fixture Unit (DFU) Values:		
Size of External Grease Interceptor:		-
Retention Time:		
Peaking Factor/ Peak Times:		
(Note: In determining your restaurant process water flows, and the size of your Plumbing Code. Note: In determining the retention time, sixty (60) minutes is detailed calculations showing the derivation of your restaurant process water a showing the derivation of the size of your external grease interceptor, either separate sheet)	desian flows, and please submit detail	ed calculations
5. Please, Submit Industrial Process Wastewater Flow Calculation Estimated Industrial Process Wastewater Flows Generated:	ins	GPD
Do you currently hold Federal or State discharge permits?	Yes	No
Is the process wastewater termed categorical under CFR 40?	Yes	No
OSHA Standard Industrial Code (SIC):	http://www.osha.gov/os	shstats/sicser.htm
Peaking Factor/Peak Process Times:		
(Note: On the submitted plans, please show where the building's domestic s commercial process wastewater sewer laterals exits the facility. Also, show Finally, show the location of the wet wells, control manholes, or other accestraps)	Windry these didilating server laterals er	1661 6116 6117
(Note: Please submit detailed calculations showing t either in the space provided below, or attac	he derivation of your design flows, ched, as a separate sheet)	
Notes Comments or Calculation		

Notes, Comments or Calculation

PROJECT DESCRIPTION

Project Description

7-9 May Street Project is the proposed new construction of a 3-unit townhouse building located in the West End. Each unit will be two-stories high with living space on the first floor and 2-bedrooms each on the upper floors.

The architectural features of the building will fit very well into the neighborhood. The structure will have ample porches easily visible from the street. A gabled roof with three separate dormers will help break up the main façade of the building and an expansive bay window will provide interest to the front façade. At two stories high, the scale of this townhouse will nicely complement the neighborhood.

The site is minimally sloped therefore, thus requiring very little additional grading. However, basic grading will be done to help divert stormwater onto the rain garden located at the back of the property. In addition to minimal grading, trench drains will divert storm water from the roof, and the site into the rain garden.

Three parking spots and two bicycle parking spots will be provided on site. The parking areas are tucked-away in a corner of the site and not very visible from the main road. A designated area for snow removal will be located adjacent to parking.

RIGHT, TITLE AND INTEREST

SWINGSLI

QUITCLAIM DEED With Covenant Statutory Short Form

KNOW ALL PERSONS BY THESE PRESENTS, that **Todd M. Alexander**, of Portland, County of Cumberland and State of Maine, for consideration paid, the receipt whereof is hereby acknowledged, does hereby **REMISE**, **RELEASE AND CONVEY**, to **May Street 7-9 LLC**, having a mailing address of 6 Pond Ridge Lane Norwalk CT 06853, **WITH QUITCLAIM COVENANT**, the following described real estate located in Portland, Maine:

A certain lot or parcel of land situated in the city of Portland, County of Cumberland and the state of Maine, bounded and described as follows: Beginning on the northeasterly side of May Street at an iron set in the ground at a point which is sixty-five and twenty-five hundredths (65.25) feet thereon from the intersection of the northeasterly side line of May Street and the northwesterly side of Danforth Street; thence by May Street northwesterly fifty-three and seventyfour hundredths (53.74) feet to an iron and land conveyed by Exchange Realty Co. to Peter Sitschew; thence northeasterly making and included angle of 89° 40', by said Sitschew land seventy-six and forty-five hundredths (76.45) feet to land formerly of one Bartol; thence southeasterly by said Bartol land seventy-three and ninety-one hundredths (73.91) feet to an iron set in the ground and land now or formerly of one Pistaki; thence southwesterly by said Pistaki land thirty-eight and five tenths (38.5) feet to a point; thence northwesterly at right angles to the last course twenty and fifty-eight hundredths (20.58) feet to a point; thence southwesterly at right angles to the last course forty (40) feet to the point of beginning.

Reference is made to a deed from Robert C. Hains to Todd M. Alexander dated November 30, 2012, recorded in the Cumberland County registry of deeds in Book 30174, Page 347.

IN WITNESS WHEREOF, the said Todd M. Alexander has set his hand and seal on December 9, 2013.

WITNESS:

Todd M. Alexander

STATE OF MAINE COUNTY OF CUMBERLAND, ss.

November 9, 2013

Then personally appeared the above-named Todd M. Alexander and acknowledged the foregoing instrument to be his free act and deed.

Notary Publishin Print name:

Notary Public/Attorney-at-Lay

Print name:

Return to:

Alex and Kelly Waters 6 Pond Ridge Lane Norwalk, CT 06853

Received Recorded Resister of Deeds Dec 11,2013 03:20:28P Cumberland Counts Pamela E. Lovles

COMPLIANCE WITH ZONING REQUIREMENTS

Zoning Summary

Kaplan Thompson Architects

Chapter 14

November 24, 2014

75% 1,678 SF

Project address 7 - 9 May St, Portland, ME, 04101 **Project type** Multi-family Residential, >2 Units

 City Zone
 B1 & R-6 (Mostly B1)

 Legal ID
 CBL 057 C023

 Lot Area
 4,898 SF

Permitted Uses Multiple Uses Allowed

Existing Uses Vacant Land

Proposed Use Multi-family Residential

Guidelines NA

B-1

Dimensional Requirements	Required / Allowed	Provided
Min Lot Size:	None	4,898 SF
Min Area per Dwelling Unit:	435 SF per Unit	1,663 SF / unit
Min Street Frontage:	20'-0"	53.75'
Min Front Yard	None	
Max Front Yard:	10'-0" or average depth of nearest lots if	0'-6"
	less than 10'-0"	
Min Rear Yard:	10'-0" if abutting a residential zone	±14'-0" provided where abutting
		residential zone. None
		elsewhere
Min Side Yard:	5'-0" if abutting residential zone	5'-0"
Max Side Yard on Side Street:	10'-0"	n/a
Max Structure Height	45'-0"	< 40'-0"
Min Lot Width:	None	53.75'
Max Building Height:	45'-0"	27'-5"

Other Requirements

Max Impervious Area:

Floor Area:

Off-street Auto Parking

1 Space per Unit (300-0 max dist)

3 (1 space per unit)

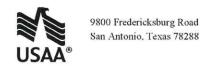
> 50-0 from street line

> 50'-0" from street line

Front Yard Parking None allowed except driveway none Off-street Bicycle Parking 2 spaces per 5 units 2

90%

FINANCIAL AND TECHNICAL CAPACITY



August 5, 2014

Alexander C D Waters 6 Pond Ridge Ln Norwalk, CT 06853 -1541

Dear Mr. Waters:

This letter is to confirm that you have active USAA Investment accounts. This letter also confirms that as of August 4, 2014, your total market value exceeded \$500,000.00. As owner of these accounts, you have full access to these funds.

Please do not hesitate to contact a USAA Member Service Representative at 800-531-8722 if we can be of any further assistance.

Thank you,

USAA

Technical Capacity

Architect: Kaplan Thompson Architects is a leader in Maine and the nation in building super-efficient residences at attainable costs. Kaplan Thompson is the lead designer on the project.

Other Consultants will be retained in an as-needed basis.

DRAWINGS



7-9 MAY STREET



PROJECT INFORMATION

Client: Alex Waters

Architect: Kaplan Thompson Architects

Contractor: TBD

Map / Lot: 057 C023001

Project Address: 7-9 May Street PORTLAND, MAINE

Zoning: PORTLAND CITY CODE

Building Codes: IRC 2009

NFPA 101 / 2009

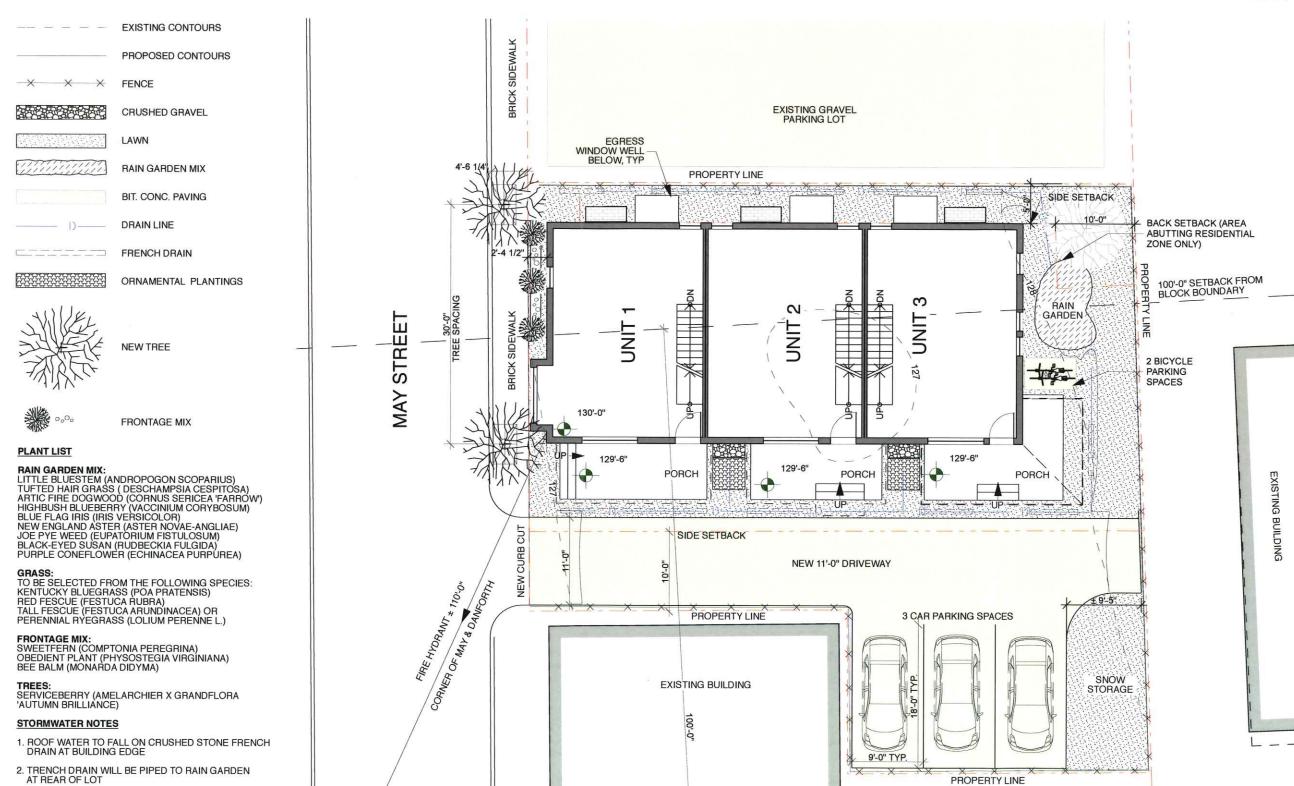
Site Area: 4,898 +/- SF 0.11 +/- ACRE

Occupancy: Townhouse - Residential

Max Building Height: 45'-0"

	DRAWING INDEX	
	COVER SHEET	
A-0.0	SITE PLAN	
A-1.1	PLANS	
A-2.1	ELEVATIONS	
L-1.0	SURVEY	





KAPLAN THOMPSON

424 FORE ST., PORTLAND, ME 0410 207-842-2888 FAX:842-2828

3. STORMWATER PIPING AND WASTE WATER PIPING TO BE SEPARATED AT PROPERTY BOUNDARY BEFORI CONNECTION TO CITY UTILITIES

SITE PLAN SCALE: 3/16" = 1'-0"

NOT FOR CONSTRUCTION
LEVEL III SITE PLAN

PROJECT: 7-9 MAY STREET ALEX WATERS 7-9 MAY STREET PORTLAND, MAINE DRAWING: SITE PLAN AS INDICATED SCALE: DRAWN BY: JB NOVEMBER 24, 2014

PROPERTY LINE

A-0.0



KAPLAN THOMPSON 424 FORE ST., PORTLAND, ME 04101 207-842-2888 FAX:842-2828

NOT FOR CONSTRUCTION LEVEL III SITE PLAN

7-9 MAY STREET ALEX WATERS 7-9 MAY STREET PORTLAND, MAINE

SCALE: DRAWN BY: JB A-1.1 NOVEMBER 24, 2014 REVISED: DATE:



KAPLAN THOMPSON A R C H I T E C T S 424 FORE ST., PORTLAND, ME O4101 207-842-2888 FAX:842-2828

LEVEL III SITE PLAN

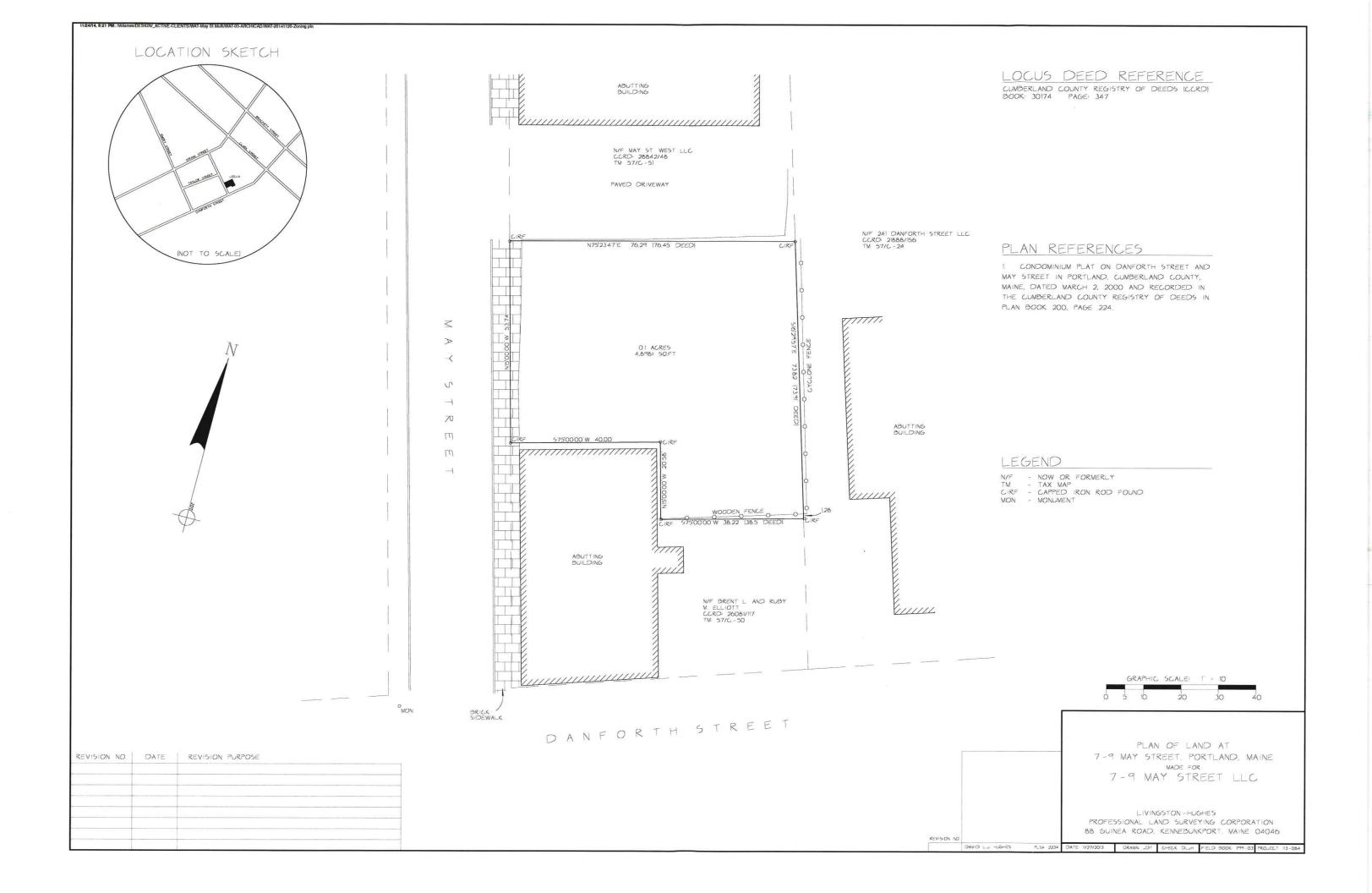
PROJECT:
7-9 MAY STREET
ALEX WATERS
7-9 MAY STREET
PORTLAND, MAINE

DRAWING: ELEVATIONS

SCALE: DRAWN BY: JB

DATE: NOVEMBER 24, 2014 REVISED:

A-2.1



7-9 MAY STREET PORTLAND, MAINE

Application For: Final Site Plan Level III Review

Submitted by:

Kaplan Thompson Architects 424 Fore Street Portland, Maine 04101

For:

May Street 7-9 LLC 6 Pond Ridge Ln. Norwalk, CT 06853

Submission Date: February 20, 2015



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	em Management Agreement
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,	
	Cover Sheet
	Boundary Survey
	Recording Plat
	Subdivision Plan
C1	Drainage and Utility Plan
C2	Civil Details
C3	ESC Details and Notes
A-0.0	Site Plan
A-0.1	Construction Management Plan
A-1.1	Plans
A-2.1	Elevations

DEVELOPMENT REVIEW APPLICATION

Jeff Levine, AICP, Director Planning & Urban Development Department

Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.

By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a *legal signature* per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no Site Plan or Historic Preservation Applications can be reviewed until payment of appropriate application fees are *paid in full* to the Inspections Office, City of Portland Maine by method noted below:



Within 24-48 hours, once my complete application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

Within 24-48 hours, once my application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

I intend to deliver a payment method through the U.S. Postal Service mail once my application paperwork has been electronically delivered.

M	Feb. 20, 2015
Applicant Signature:	Date:
•	Feb. 20, 2015
I have provided digital copies and sent them on:	Date:

NOTE:

All electronic paperwork must be delivered to <u>buildinginspections@portlandmaine.gov</u> or by physical means i.e. a thumb drive or CD to the Inspections Office, City Hall, 3rd Floor, Room 315.

389 Congress Street * Portland Maine 04101-3509 * Phone: (207) 874-8703 * Fax: (207) 874-8716 http://www.portlandmaine.gov/planning/buildinsp.asp * E-Mail: buildinginspections@portlandmaine.gov



Level III – Preliminary and Final Site Plans Development Review Application Portland, Maine

Planning and Urban Development Department
Planning Division

Portland's Planning and Urban Development Department coordinates the development review process for site plan, subdivision and other applications under the City's Land Use Code. Attached is the application form for a Level III: Preliminary or Final Site Plan. Please note that Portland has delegated review from the State of Maine for reviews under the Site Location of Development Act, Chapter 500 Stormwater Permits, and Traffic Movement Permits.

Level III: Site Plan Development includes:

- New structures with a total floor area of 10,000 sq. ft. or more except in Industrial Zones.
- New structures with a total floor area of 20,000 sq. ft. or more in Industrial Zones.
- New temporary or permanent parking area(s) or paving of existing unpaved parking areas for more than 75 vehicles.
- Building addition(s) with a total floor area of 10,000 sq. ft. or more (cumulatively within a 3 year period) except in Industrial Zones.
- Building addition(s) with a total floor area of 20,000 sq. ft. or more in Industrial Zones.
- A change in the use of a total floor area of 20,000 sq. ft. or more in any existing building (cumulatively within a 3 year period).
- Multiple family development (3 or more dwelling units) or the addition of any additional dwelling unit if subject to subdivision review.
- Any new major or minor auto business in the B-2 or B-5 Zone, or the construction of any new major or minor auto business greater than 10,000 sq. ft. of building area in any other permitted zone.
- Correctional prerelease facilities.
- Park improvements: New structures greater than 10,000 sq. ft. and/or facilities encompassing 20,000 sq. ft. or more (excludes rehabilitation or replacement of existing facilities); new nighttime outdoor lighting of sports, athletic or recreation facilities not previously illuminated.
- Land disturbance of 3 acres or more (includes stripping, grading, grubbing, filling or excavation).

Portland's development review process and requirements are outlined in the Land Use Code (Chapter 14) which is available on our website:

Land Use Code: http://me-portland.civicplus.com/DocumentCenter/Home/View/1080
Design Manual: http://me-portland.civicplus.com/DocumentCenter/View/2355
Technical Manual: http://me-portland.civicplus.com/DocumentCenter/View/2355

Planning Division Fourth Floor, City Hall 389 Congress Street (207) 874-8719 Office Hours Monday thru Friday 8:00 a.m. – 4:30 p.m.

PROJECT NAME: 7-9 May Street		
PROPOSED DEVELOPMENT ADDRESS:		
7-9 May Street		
PROJECT DESCRIPTION:		
New construction of a 3 unit townhouse locate	ed at 7-9 May St. in the West	End.
CHART/BLOCK/LOT: 057 C023001	PRELIMINARY PLAN FINAL PLAN	Nov. 24, 2014 (date) Feb. 20, 2015 (date)

CONTACT INFORMATION:

Applicant – must be owner, Lessee or Buyer	Applicant Contact Information
Name: Alex Waters	Work #
Business Name, if applicable: May Street 7-9 LLC	Home# (203) 642-3744
Address: 6 Pond Ridge Ln.	Cell # (203) 9129055 Fax#
City/State: Norwalk, CT Zip Code: 06853	e-mail: alex.c.waters@gmail.com
Owner – (if different from Applicant)	Owner Contact Information
Name: same as applicant	Work#
Address:	Home#
City/State : Zip Code:	Cell # Fax#
	e-mail:
Agent/ Representative	Agent/Representative Contact information
Name: Jesse Thompson	Work # 207-842-2888
Address: 424 Fore Street	Cell#
City/State: Portland, ME Zip Code: 04101	e-mail: jesse@kaplanthompson.com
Billing Information	Billing Information
Name:	Work#
Address:	Cell # Fax#
City/State : Zip Code:	e-mail:

Engineer		Engineer Contact Information
Name:		Work#
Address:		Cell # Fax#
City/State :	Zip Code:	e-mail:
Surveyor		Surveyor Contact Information
Name:		Work#
Address:		Cell # Fax#
City/State :	Zip Code:	e-mail:
Architect	Jesse Thompson	Architect Contact Information
Name:	Kaplan Thompson Architects	Work# 207-842-2888
Address:	424 Fore Street	Cell # Fax#
City/State :	Portland, ME zip Code: 04101	e-mail: jesse@kaplanthompson.com
Attorney		Attorney Contact Information
Name:		Work#
Address:		Cell # Fax#
City/State :	Zip Code:	e-mail:
		1

APPLICATION FEES:

Check all reviews that apply. (Payment may be made by Credit Card, Cash or Check payable to the City of Portland.)

è	check an reviews that apply. (Fayment may be made by cre	dit card, cash of check payable to the city of Fortiand.
	Level III Development (check applicable reviews)	Other Reviews (check applicable reviews)
	X Less than 50,000 sq. ft. (\$500.00) paid w/preliminary app	10 Section 500 Sec
	50,000 - 100,000 sq. ft. (\$1,000)	Traffic Movement (\$1,000)
	100,000 – 200,000 sq. ft. (\$2,000)	Stormwater Quality (\$250)
	200,000 – 300,000 sq. ft. (\$3,000)	X Subdivisions (\$500 + \$25/lot)
	over \$300,00 sq. ft. (\$5,000)	# of Lots $3 \times 25/lot = 575$
	Parking lots over 11 spaces (\$1,000)	Site Location (\$3,000, except for
	After-the-fact Review (\$1,000.00 plus	residential projects which shall be
	applicable application fee)	\$200/lot)
		# of Lots x \$200/lot =
	Plan Amendments (check applicable reviews)	Other
	Planning Staff Review (\$250)	Change of Use
	Planning Board Review (\$500)	Flood Plain
		Shoreland
	The City invoices separately for the following:	Design Review
	 Notices (\$.75 each) 	Housing Replacement
	 Legal Ad (% of total Ad) 	Historic Preservation
	 Planning Review (\$40.00 hour) 	
	 Legal Review (\$75.00 hour) 	
	Third party review fees are assessed separately. Any outside	
	reviews or analysis requested from the Applicant as part of the	
	development review, are the responsibility of the Applicant and	
	are separate from any application or invoice fees.	

APPLICATION SUBMISSION:

- All site plans and written application materials must be submitted electronically on a CD or thumb drive with each plan submitted as separate files, with individual file which can be found on the Electronic Plan and Document Submittal page of the City's website at http://me-portland.civicplus.com/764/Electronic-Plan-and-Document-Submittal
- 2. In addition, one (1) paper set of the plans (full size), one (1) paper set of plans (11 x 17), paper copy of written materials, and the application fee must be submitted to the Building Inspections Office to start the review process.

The application must be complete, including but not limited to the contact information, project data, application checklists, wastewater capacity, plan for fire department review, and applicant signature. The submissions shall include one (1) paper packet with folded plans containing the following materials:

- 1. One (1) full size site plans that must be folded.
- 2. One (1) copy of all written materials or as follows, unless otherwise noted:
 - Application form that is completed and signed.
 - b. Cover letter stating the nature of the project.
 - All Written Submittals (Sec. 14-525 2. (c), including evidence of right, title and interest.
- A stamped standard boundary survey prepared by a registered land surveyor at a scale not less than one inch to 50 feet.
- Plans and maps based upon the boundary survey and containing the information found in the attached sample plan checklist.
- 5. One (1) set of plans reduced to 11 x 17.

Please refer to the application checklist (attached) for a detailed list of submission requirements.

APPLICANT SIGNATURE:

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Planning Authority and Code Enforcement's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

This application is for a Level II Site Plan review. It is not a permit to begin construction. An approved site plan, a Performance Guarantee, Inspection Fee, Building Permit, and associated fees will be required prior to construction. Other Federal, State or local permits may be required prior to construction, which are the responsibility of the applicant to obtain.

Signature of Applicant:	Date:	
Chil.	February 20, 2015	×.

ar.			

PROJECT DATA

The following information is required where applicable, in order to complete the application.

Total Area of Site	4,898 sq. ft.
Proposed Total Disturbed Area of the Site	4,898 sq. ft.
If the proposed disturbance is greater than one acre, then the	applicant shall apply for a Maine Construction General Permit
(MCGP) with DEP and a Stormwater Management Permit, Cha	apter 500, with the City of Portland.
Impervious Surface Area	
Impervious Area (Total Existing)	- sq. ft.
Impervious Area (Total Proposed)	3,643 sq. ft.
Duilding Cround Floor Avec and Total Floor Avec	
Building Ground Floor Area and Total Floor Area Building Footprint (Total Existing)	4
Building Footprint (Total Existing)	sq. ft.
	1,678 sq. ft.
Building Floor Area (Total Existing)	- sq. ft.
Building Floor Area (Total Proposed)	3,356 sq. ft.
Zoning	(plus 1,678 sq.ft. unfinished basement
Existing	R ₁ 6 Residential, B1 Neighborhood Busines
Proposed, if applicable	Transfer and Trans
Troposca, ii appiidable	B1 Neighborhood Business
Land Use	3
Existing	Vacant
Proposed	Residential
Residential, If applicable	
# of Residential Units (Total Existing)	
# of Residential Units (Total Proposed)	3
# of Lots (Total Proposed)	1
# of Affordable Housing Units (Total Proposed)	-
Proposed Bedroom Mix	
# of Efficiency Units (Total Proposed)	· · · · · · · · · · · · · · · · · · ·
# of One-Bedroom Units (Total Proposed)	-
# of Two-Bedroom Units (Total Proposed)	- 2
# of Three-Bedroom Units (Total Proposed)	3
Parking Spaces	
# of Parking Spaces (Total Existing)	-
# of Parking Spaces (Total Proposed)	3
# of Handicapped Spaces (Total Proposed)	-
Bicycle Parking Spaces	
# of Bicycle Spaces (Total Existing)	7 <u>-</u> '
# of Bicycle Spaces (Total Proposed)	2
Estimated Cost of Project	\$450,000.00

		KELIIVIII	NARY PLAN (Optional) - Level III Site Plan	
Applicant	Planner	# of		
Checklist	Checklist	Copies	GENERAL WRITTEN SUBMISSIONS CHECKLIST	
		1	Completed Application form	
		1	Application fees	
		1	Written description of project	
		1	Evidence of right, title and interest	
		1	Evidence of state and/or federal approvals, if applicable	
		1	Written assessment of proposed project's compliance with applicable zoning requirements	
		1	Summary of existing and/or proposed easement, covenants, public or private rights-of-way, or other burdens on the site	
		1	Written requests for waivers from site plan or technical standards, if applicable	
		1	Evidence of financial and technical capacity	
		1	Traffic Analysis (may be preliminary, in nature, during the preliminary plan phase)	
Applicant	Planner	# of		
Checklist	Checklist	Copies	SITE PLAN SUBMISSIONS CHECKLIST	
		1	Boundary Survey meeting the requirements of Section 13 of the City of Portland's Technical Manual	
		1	Preliminary Site Plan including the following: (information provided may be preliminary in nature during preliminary plan phase)	
		Proposed grading and contours;		
		Existing structures with distances from property line;		
		Proposed site layout and dimensions for all proposed structures (including piers, docks or wharves in Shoreland Zone), paved areas, and pedestrian and vehicle access ways;		
		Preliminary design of proposed stormwater management system in accordance with Section 5 of the Technical Manual (note that Portland has a separate applicability section);		
		Preliminary infrastructure improvements;		
		Preliminary Landscape Plan in accordance with Section 4 of the Technical Manual;		
		Location of significant natural features (including wetlands, ponds, watercourses, floodplains, significant wildlife habitats and fisheries or other important natural features) located on the site as defined in Section 14-526 (b) (1);		
		Proposed buffers and preservation measures for significant natural features, as defined in Section 14-526 (b) (1);		
		Location, dimensions and ownership of easements, public or private rights of way, both existing and proposed;		
			uilding elevations.	

FINAL PLAN - Level III Site Plan			
Applicant Checklist	Planner Checklist	# of Copies	GENERAL WRITTEN SUBMISSIONS CHECKLIST (* If applicant chooses to submit a Preliminary Plan, then the * items were submitted for that phase and only updates are required)
Х		1	* Completed Application form
Χ		1	* Application fees
X		1	* Written description of project
Х		1	* Evidence of right, title and interest
N/A		1	* Evidence of state and/or federal permits
Х		1	* Written assessment of proposed project's specific compliance with applicable Zoning requirements
N/A		1	* Summary of existing and/or proposed easements, covenants, public or private rights-of-way, or other burdens on the site
Х		1	* Evidence of financial and technical capacity
X		1	Construction Management Plan
N/A		1	A traffic study and other applicable transportation plans in accordance with Section 1 of the technical Manual, where applicable.
Х		1	Written summary of significant natural features located on the site (Section 14-526 (b) (a))
X		1	Stormwater management plan and stormwater calculations
Х		1	Written summary of project's consistency with related city master plans
X		1	Evidence of utility capacity to serve
Х		1	Written summary of solid waste generation and proposed management of solid waste
X		1	A code summary referencing NFPA 1 and all Fire Department technical standards
Х		1	Where applicable, an assessment of the development's consistency with any applicable design standards contained in Section 14-526 and in City of Portland Design Manual
Х		1	Manufacturer's verification that all proposed HVAC and manufacturing equipment meets applicable state and federal emissions requirements.

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Applicant Checklist	Planner Checklist	# of Copies	SITE PLAN SUBMISSIONS CHECKLIST (* If applicant chooses to submit a Preliminary Plan, then the * items were submitted for that phase and only updates are required)		
Х		1	* Boundary Survey meeting the requirements of Section 13 of the City of Portland's Technical Manual		
Χ		1	Final Site Plans including the following:		
X		I	Existing and proposed structures, as applicable, and distance from property line (including location of proposed piers, docks or wharves if in Shoreland Zone);		
Χ		Existing a	and proposed structures on parcels abutting site;		
Х			All streets and intersections adjacent to the site and any proposed geometric modifications to those streets or intersections;		
Х		Location, dimensions and materials of all existing and proposed driveways, vehicle and pedestrian access ways, and bicycle access ways, with corresponding curb lines;			
Х		Engineered construction specifications and cross-sectional drawings for all proposed driveways, paved areas, sidewalks;			
N/A		Location and dimensions of all proposed loading areas including turning templates for applicable design delivery vehicles;			
N/A		Existing and proposed public transit infrastructure with applicable dimensions and engineering specifications;			
Х		Location of existing and proposed vehicle and bicycle parking spaces with applicable dimensional and engineering information;			
X		Location of all snow storage areas and/or a snow removal plan;			
N/A		A traffic control plan as detailed in Section 1 of the Technical Manual;			
N/A		Proposed buffers and preservation measures for significant natural features, where applicable, as defined in Section 14-526(b)(1);			
N/A		Location and proposed alteration to any watercourse;			
N/A		A delineation of wetlands boundaries prepared by a qualified professional as detailed in Section 8 of the Technical Manual;			
N/A		Proposed buffers and preservation measures for wetlands;			
Χ		Existing soil conditions and location of test pits and test borings;			
Х		Existing vegetation to be preserved, proposed site landscaping, screening and proposed street trees, as applicable;			
Х		A stormwater management and drainage plan, in accordance with Section 5 of the Technical Manual;			
Х		Grading plan;			
X		Ground water protection measures;			
Χ		Existing and proposed sewer mains and connections;			

- Continued on next page -

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X	Location of all existing and proposed fire hydrants and a life safety plan in
	accordance with Section 3 of the Technical Manual;
Х	Location, sizing, and directional flows of all existing and proposed utilities within
	the project site and on all abutting streets;
Х	Location and dimensions of off-premises public or publicly accessible
	infrastructure immediately adjacent to the site;
N/A	Location and size of all on site solid waste receptacles, including on site storage
	containers for recyclable materials for any commercial or industrial property;
102	Plans showing the location, ground floor area, floor plans and grade elevations for
X	all buildings;
N/A	A shadow analysis as described in Section 11 of the Technical Manual, if applicable
	A note on the plan identifying the Historic Preservation designation and a copy of
N/A	the Application for Certificate of Appropriateness, if applicable, as specified in
14/73	Section Article IX, the Historic Preservation Ordinance;
х	Location and dimensions of all existing and proposed HVAC and mechanical
	equipment and all proposed screening, where applicable;
X	An exterior lighting plan in accordance with Section 12 of the Technical Manual;
N/A	A signage plan showing the location, dimensions, height and setback of all existing
	and proposed signs;
х	Location, dimensions and ownership of easements, public or private rights of way,
	both existing and proposed.

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PORTLAND FIRE DEPARTMENT SITE REVIEW FIRE DEPARTMENT CHECKLIST



A separate drawing[s] shall be provided as part of the site plan application for the Portland Fire Department's review.

- 1. Name, address, telephone number of applicant
- Alex Waters | 6 Pond Ridge Ln. Norwalk, CT 06853 | (203) 642-3744 2.
- Name address, telephone number of architect 3. Jesse Thompson | 424 Fore St. Portland, ME 04101 | (207) 842-2888
- Proposed uses of any structures [NFPA and IBC classification] NFPA:Single Family Residential. IRC: 4.
- 5.
- Square footage of all structures [total and per story] 6. 1,678 per story | 5,034 total (including unconditioned basement)
- Elevation of all structures 7. +/- 35'-0"
- 8. Proposed fire protection of all structures
 - As of September 16, 2010 all new construction of one and two family homes are required to be sprinkled in compliance with NFPA 13D. This is required by City Code. (NFPA 101 2009 ed.)
- 9. Hydrant locations Approx. 120'-0" from the structure. Located at corner of May St. and Danforth St.
- 10. Water main[s] size and location Please refer to the existing conditions survey.
- Access to all structures [min. 2 sides]Yes, primary access at South and West sides of the building. 11. South (entrance side): 14'-1". West: Right-of-way plus 2'-0". Limited access (5' and 7'-8") available at North/East.
- A code summary shall be included referencing NFPA 1 and all fire department. Technical 12. standards. Enclosed.

Some structures may require Fire flows using annex H of NFPA 1

PROJECT DESCRIPTION

Project Description

Existing:

7-9 May Street is currently a vacant lot in the West End. There are no existing easements, covenants, rights-of-way or other burdens on the property.

Proposed:

7-9 May Street Project is the proposed new construction of a 3-unit townhouse building located in the West End. Each unit will be two-stories high with living space on the first floor and 2-bedrooms each on the upper floors.

The architectural features of the building will fit very well into the neighborhood. The structure will have ample porches easily visible from the street. A gabled roof with three separate dormers will help break up the main façade of the building and an expansive bay window will provide interest to the front façade. At two stories high, the scale of this townhouse will nicely complement the neighborhood.

The site is minimally sloped therefore, thus requiring very little additional grading. However, basic grading will be done to help divert stormwater onto the rain garden located at the back of the property. In addition to minimal grading, trench drains will divert storm water from the roof, and the site into the rain garden.

Three parking spots and two bicycle parking spots will be provided on site. The parking areas are tucked-away in a corner of the site and not very visible from the main road. A designated area for snow removal will be located adjacent to parking.

Consistency with City Master Plans

7-9 May Street is consistent with the City's Comprehensive Plan Housing Goal to provide a sufficient supply of quality housing, "support Portland's continued economic development, insure the safety of its citizens, and maintain a stable neighborhoods".

This project will add three residential units to an otherwise vacant lot. This new development will help increase adjacent property values and help better maintain a stable neighborhood. The project is also consistent with its recent primarily B-1 zoning designation, which encourages high residential density among other uses.

Natural Features Summary

There are no significant natural features on the site. The site is minimally slopped. There are no significant trees and there are only overgrown grasses and weeds.

Site Lighting

Tall exterior site lighting including lighting of building entrances will be cutoff with no light emitted above the horizontal plane or spilled onto adjacent properties or streets.

Illumination levels will be adequate but not excessive for the safety, comfort and convenience of occupants and user of the site and will conform to all applicable standards of Section 12 of the Technical Manual.

RESPONSE TO STAFF COMMENTS



Response to Staff Comments

Below are responses to the outstanding questions and comments received to from the Portland Staff Review of the Preliminary Plan Submission. City of Portland Staff Comments are dated 12/5/2014 and 12/15/2014. These comments have been copied below for reference. Responses follow after each comment in blue.

Comments Submitted by: Shukria Wiar/Planning on 12/11/2014

- 1. Are these condos or rentals. If condos, we will need condo docs for review and approval by the Legal Department.
- 2. Please submit a subdivision plat for review.
- 3. Submit a construction Managament Plan for review
- 4. Evidence of utility capacity to serve letter.
- 5. The owner will have to enter a stormwater agreement with the City for the drainage system on site. Please see attached documents.
- 6. How would solid waste be handled?
- 7. Any HVAC and/or manufacturing equipment being proposed.
- 8. The plans will need to show engineered construction specification drawings for all porpopsed driveway.
- Please show a grading plan for the site.
- 10. All plans will need to be stamped by a professional.
- 11. Show all existing and proposed utility connections.

Response:

- 1. These will be rental units.
- 2. Subdivision plat is submitted as part of this Final Submission.
- 3. A construction management plan is submitted as part of this Final Submission.
- 4. The wastewater capacity application is enclosed.
- 5. Documents are attched
- 6. HVAC equipment is being proposed and will meet all applicable state and federal emissions requirements. See HVAC Statement.
- 7. Engineered construction specification drawings for the proposed driveway are enclosed.
- 8. Grading plan is enclosed.
- 9. All plans included in this submission are stamped by a professional.
- 10. All existing and proposed utility connections are included as part of this submission.

Comments Submitted by: David Petruccelli/Fire on 12/12/2014

The Fire Deaprtment review is pending and comments will be forwarded when available.

Response:

Fire Department preliminary comments have not yet been received.

Comments Submitted by: David Margolis-Pineo/Engineering DPS on 12/11/2014

December 1, 2014

Memo To:Shukria Wiar Barbara Barhydt From:David Margolis-Pineo Re:Review Comments for 7-9 May Street – Three Unit

- 1. Wastewater Capacity Application needs to be completed.
- Survey plan requires Professional stamp. Applicant should review submittal requirements for full survey parameters.
- 3. Where will the water go if drainage to the rain garden excesses the garden capacity?
- 4. More detail is needed on utilities to site which are required to be underground from the street right of way.
- 5. Driveway cut should be shown using seven foot granite tipdowns. Since the driveway width is proposed at 11', the end of tipdown to end of tipdown distance can be up to 15'.
- 6.Please add note that all work within the road right of way shall meet City of Portland Technical Manual standards.

Response:

- Wastewater Capacity Application has been completed and is part of this submission.
- 2. Please see memo responses by Ransom Consulting.
- 3. Please see memo responses by Ransom Consulting.
- 4. Please see memo responses by Ransom Consulting.
- 5. Please see memo responses by Ransom Consulting.
- Please see memo responses by Ransom Consulting. All work within the road right of way shall meet City of Portland Technical Manual Standards. Notes have been added to the plans to that effect.

Comments Submitted by: Tom Errico/Traffic on 12/8/2014

- · The project proposes a 12-foot driveway that meets City standards.
- The proposed project driveway will have adequate driveway separation, to the adjacent property, and therefore I find it to be acceptable.
- · The project will require changes to the on-street parking regulations and may need City Council action as part of changes to the Traffic Schedule.
- · It appears that parking maneuvers on-site will be difficult and I would request that a vehicle turning template graphic be provided illustrating how vehicles will enter and exit on-site parking spaces. Specifically, the applicant should note if backing maneuvers onto May Street will be required.

Response:

Please see memo responses by Ransom Consulting.

 Yes, backing maneuvers onto May Street will be required. May Street is a very low traffic street and we don't anticipate problems with this arrangement.
 Please refer to memo responses by Ransom Consulting for more information.

Comments Submitted by: Ann Machado/Zoning on 12/2/2014

The proposed project is to build a two story, three unit townhouse with each unit being two stories. The property is located predominantly in the B-1 Neighborhood Business Zone with about nineteen feet of the north end of the lot located in the R-6 Residential Zone. Section 14-51 allows the less resrticted zone (B-1) to extend up to thirty feet into the more restrictive zone (R-6) since the B-1 zone has at least twenty feet of street frontage. Since the B-1 zone can extend thrity feet into the R-6 zone, as stated by Marge Schmuckal (former Zoning Administrator) in an email dated 8/21/2014, "Section 14-51 allows the B-1 zone to encompass the entire lot".

The proposed three unit townhouse is a permitted use in the B-1 zone since the lot abuts the R-6 zone which allows multi-family dwellings. Under the B-1 zone all of the dimensional requirements are being met. For off street parking, Division 20 requires one parking space per unit for residential uses on the peninsula. Three parking spaces are shown. Under external effects, section 14-167(b), the maximum noise requirement of 55 decibels at lot boundaries shall be maintained.

Response:

The maximum noise level of 55 decibels at lot boundaries will be maintained.

Comments Submitted by: Jeff Tarling/City Arborist on 12/12/2014

The City Arborist review is pending and comments will be forwarded when available.

Response:

City Arborist preliminary comments have not yet been received.

Comments Submitted by: David Senus/Civil Engineering on 12/11/2014

1)The application is preliminary. As such, additional documents will need to be submitted for the final application, including letters from utilities confirming capacity to serve the proposed development, a utility plan, detailed grading / drainage / erosion control plan, construction details, stormwater design calculations and a Construction Management Plan. Woodard & Curran will perform a review of the Final Application upon receipt of those documents.

2)In accordance with Section 5 of the City of Portland Technical Manual, a Level III development project is required to submit a stormwater management plan pursuant to the regulations of MaineDEP Chapter 500 Stormwater Management Rules, including conformance with the Basic, General, and Flooding Standards. We offer the following comments:

a)Basic Standards: Plans, notes, and details should be provided to address erosion and sediment control requirements, inspection and maintenance requirements, and good housekeeping practices in general accordance with Appendix A, B, & C of MaineDEP Chapter 500.

b)General Standards: The project will result in an increase in impervious area of approximately 3,600 square feet. As such, the project is required to include specific stormwater management features for stormwater quality control. The Applicant proposes a rain garden to manage stormwater quality on the site. Additional design details and calculations should be provided with the future Final Site Plan submittal demonstrating compliance with the General Standards (refer to Chapter 7.2 of Volume III of the MaineDEP Stormwater BMP Manual for rain garden design requirements).

C)Elooding Standard: The project will result in an increase in impervious area of approximately 3,600 square feet. As such, the project is required to include specific stormwater management features to control the rate of stormwater runoff from the site. As part of the final Site Plan submittal, the Applicant should address whether the proposal will meet the flooding standard, or should request a waiver from the Flooding Standard accompanied by an engineering justification (i.e. –confirm adequate capacity to convey additional stormwater flow in drainage system, minor increase in flow, etc).

- 3)The Stormwater Management Plan should include a stormwater inspection and maintenance plan developed in accordance with and in reference to MaineDEP Chapter 500 guidelines and Chapter 32 of the City of Portland Code of Ordinances.
- 4)Einal site plans must be stamped by a professional engineer (Section 14-527, sub-section (f) of the City of Portland Land Use Ordinance).
- 5) Per Section 13 of the City's Technical Manual, the Applicant is required to submit a Boundary Survey that has been Stamped by a Maine Licensed Professional Surveyor.
- 6)The final plan set should include construction details. Details for work within the City Right-of-Way should comply with the City of Portland Technical Manual.
- 7) The Applicant has noted that basic grading will be required to divert stormwater to the proposed rain garden; however, it does not appear that any proposed grading is shown at this time. Final plans should include proposed grading and drainage collection/conveyance systems (pipes, structures, etc).

Response:

Ransom Consulting has addressed these comments in the enclosed stormwater narrative.

Subject:

B-1 Design Review - 7-9 May Street

Written by:

Caitlin Cameron, Urban Designer

Date of Review:

Friday, December 5, 2014

On Friday, December 5, a design review according to the *City of Portland Design Manual* Standards was performed for the resubmission of the proposed new construction of three townhouses at 7-9 May Street. The review was performed by Caitlin Cameron, Urban Designer, Christine Grimando, Senior Planner, and Shukria Wiar, Planner, all within the Planning Division of the Department of Planning & Urban Development. The project was reviewed against the *B-1 and B-1bNeighborhood Business Zones Standards and the Two-Family, Special Needs Independent Living Units, Multiple-Family, Lodging Houses, Bed and Breakfasts, and Emergency Shelters Standards* (Sections (d) and (I), and Appendix 2 of the Design Manual).

Findings of the Design Review:

There remain some <u>outstanding questions and comments</u> to be addressed – please refer to comments below.

Design Review Comments (red text denotes questions or comments):

B-1 and B-1b Neighborhood Business

Standard a Urban Street Wall – Met – Well-sited at street and in line with neighboring buildings. Standard b Mixed Uses – Not applicable
Standard c Building Entrances – Doors are visible due to the porches, and in some cases, directly accessible from street. However, in order to make the entrances truly

accessible, we recommend a paving surface such as brick leading between the sidewalk/driveway to each entry (rather than lawn as shown).

Response: The paving surface directly in front of each entryway has been updated to brick paving. This brick paving will be the same as that used on the sidewalk and will meet City of Portland Standards.

Standard d Windows – Almost universally, gable-ended buildings in this neighborhood context have windows on the third floor/attic level under the gable. The review panel felt the street façade would benefit from additional fenestration to be compatible with existing patterns and to balance the façade composition. On the Rear Elevation, the panel questioned the choice to provide two smaller windows in the ground floor living space rather than one larger window or a clerestory window shifted south.

Response:

Street-facing façade:

A structural roof truss will preclude us from adding a window under the gable at the attic level. We have added a louvered access panel of a size compatible with adjacent fenestration.

Rear façade:

Two smaller windows have been provided in the ground floor living space rather than a larger one due to modular construction capabilities/efficiencies. The two windows in question are located at the juncture of two prefabricated boxes. A continuous trim and sill will be provided to create the illusion of a larger window unit.

Standard e Façade Character – As stated above, please provide additional visual interest to street-facing façade. Standard f Building Design – There are four different roof pitches in this design. The primary roof pitch is similar to and compatible with the predominant neighborhood character. Alterations to the porch and/or dormer roof are suggested – is it possible to have these two roof lines use the same pitch? Dormer roof pitches are typically shallower and have a taller profile.

Response: The following strategies have been undertaken to provide additional visual interest to street-facing façade:

- 1. The gable end siding material at the attic level has been changed. See elevations.
- 2. The bay window siding material has been changed. See elevations.

Roof Pitches:

The dormer, porch, and bay window roof slopes have been modified to a 5/12 pitch to be more compatible with the neighborhood character.

Roof profiles of bays are typically flat/parapet without a sloped roof – the inclusion of the small sloped roof line here is out of character. Additionally, the review panel saw the angled porch posts applied inconsistently. While the angled posts in the front two unit porches support roof extensions over the steps, the third one appears incongruous and

superfluous.

Response: We agree that the roof profiles of bay windows in the area are typically flat/parapet. However, the street-facing façade projection in this project is different in nature and the change in roof pitch is justified. Most of the neighboring structures have polygonal bay windows with very few square examples. Most of these bay windows have glazing on all surfaces whereas the projection at 7-9 May Street would only have glazing on its front surface. Another key difference in surrounding bay window projections is that each floor level is typically expressed with trim/molding. The building projection at 7-9 May Street is rather expressed (from the exterior) as one 2-story volume.

Standard g Building Materials – What are the proposed materials? Standard h Building Scale – Met Standard i Landscaping and Buffers – Met – The project sites parking from view behind an existing building and uses a fence around the perimeter.

Response: Enclosed elevations have been updated to reflect proposed materials.

Two-Family, Special Needs Independent Living Units, Multiple-family, Lodging Houses, Bed And Breakfasts, and Emergency Shelters: Standard 1 – See comments above. Standard 2 – Met – Well-sited at street and in line with neighboring buildings.

Standard 3 – Met – Landscape buffer and street trees at front, and tree and lawn in back. Consider adding an additional tree in the snow storage area. Standard 4 – Met Standard 5 – Met – Parking is hidden and screened by fence

Response: An additional tree has been added in the snow storage area.

Standard 6 – Not applicable

Appendix 2: Development in the B-1, B-1b, B-2, B-2b

Standard 1 Building Location and Form – Met, see previous comments Standard 2
Building Function – Not applicable Standard 3 Orientation of Buildings and their
Entrances to the Street – Met, see previous comments Standard 4 Windows – See
comments above regarding windows. Standard 5 Building Character, Detail, Scale, and
Graphic Qualities – See comments above regarding Building Design and
Windows Standard 6 Signage and Building Entrances – Met, see comments
above Standard 7 Development Relationship to Street – Met, see previous
comments Standard 8 Parking Lots – Met, see previous comments





Date: February 18, 2015 Subject: Application ID: 2014-149

Comments Submitted by: Shukria Wiar/Planning on 12/11/2014

- 1. Are these condos or rentals. If condos, we will need condo docs for review and approval by the Legal Department.
- 2. Please submit a subdivision plat for review.
- 3. Submit a construction Management Plan for Review.
- Evidence of utility capacity to serve letter.
 Response: See the attached letter sent to the Portland Water District. We are waiting on a response.
- The owner will have to enter stormwater agreement with the city for the drainage system on site. Please see attached documents.
 Response: The documents are attached.
- 6. How would solid waste be handled?
- 7. Any HVAC and/or manufacturing equipment being processed.
- The plans will need to show engineered construction specification drawings for all proposed driveway.
 Response: Driveway construction details are shown on Sheet C2
- Please show a grading plan for the site.
 Response: Proposed grading is shown on Sheet C1.
- 10. All plans will need to be stamped by a professional
- Show all existing and proposed utility connections
 Response: Proposed utility connections and existing utilities are shown on Sheet C1.

400 Commercial Street, Suite 404, Portland, Maine 04101, Tel (207) 772-2891, Fax (207) 772-3248

Pease International Tradeport, 112 Corporate Drive, Portsmouth, New Hampshire 03801, Tel (603) 436-1490

12 Kent Way, Suite 100, Byfield, Massachusetts 01922-1221, Tel (978) 465-1822

60 Valley Street, Building F, Suite 106, Providence, Rhode Island 02909, Tel (401) 433-2160

2127 Hamilton Avenue, Hamilton, New Jersey 08619, Tel (609) 584-0090

Comments Submitted by: David Petruccelli/Fire on 12/12/2014

The Fire Department review is pending and comments will be forwarded when available.

Comments Submitted by: David Margolis-Pineo/Engineering DPS on 12/11/14 December 1, 2014

Memo To: Shukria Wiar Barbara Barhydt

From: David Margolis-Pineo

Re: Review Comments for 7-9 May Street-Three Unit

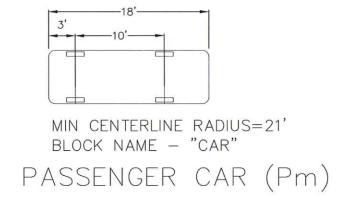
- 1. Wastewater Capacity Application needs to be completed. Response: The Wastewater Capacity Application is attached.
- 2. Survey plan requires Professional stamp. Applicant should review submittal requirements for full survey parameters.
- Where will the water go if drainage to the rain garden excesses the garden 3. capacity? Response: Overflow from the rain garden areas will discharge over the

surface to the May Street gutter through the proposed driveway.

- 4. More detail is needed on utilities to site which are required to be underground from the street right of way. Response: All utilities are proposed to be underground. Additional detail is provided on sheets C1 and C2.
- Driveway cut should be shown using seven foot granite tipdowns. Since the 5. driveway width is proposed at 11', the end of tipdown to end of tipdown distance can be up to 15'. Response: Based on the City's technical manual (1.7.1. Residential development with nine (9) parking spaces or less) the minimum driveway width is 10'. We are proposing a 10' wide driveway with a 2' flair on each side, which results on a 14' wide (end of tipdown to end of tipdown) curb cut as shown on Sheet C1.
- Please add note that all work within the road right of way shall meet City of 6. Portland Technical Manual standards. Response: A note has been added to sheet C1.

Comments Submitted by: Tom Errico/Traffic on 12/8/2014

- 1. The project proposes a 12-foot driveway that meets City standards. Response: Based on the City's technical manual (1.7.1. Residential development with nine (9) parking spaces or less) the minimum driveway width is 10 feet. We are proposing a 10 foot wide driveway with a 2-foot flair on each side resulting in a 14' wide curb cut (end of tipdown to end of tipdown) as shown on Sheet C1.
- 2. The proposed project driveway will have adequate driveway separation, to the adjacent property, and therefore I find to be acceptable.
- The project will require changes to the on-street parking regulations and may 3. need City Council action as part of changes to the Traffic Schedule.
- 4. It appears that parking maneuvers on-site will be difficult and I would request that a vehicle turning template graphic be provided, illustrating how vehicles will enter and exit on-site parking spaces. Specifically, the applicant should note if backing maneuvers onto May Street will be required. Response: The parking layout has been revised such that the head-in parking is now 70 deg. angled parking. Three 9' wide by 18' long spaces are provided as shown on Sheet C1. Ransom conducted a turning template analysis using the passenger design vehicle template shown below. Vehicles will pull into the stalls forward and then back out onto May Street. The adjustment to angled parking results in a substantial improvement in operations over the previously shown head-in parking. It is our opinion that parking operations at this site will be typical of parking operations at other multi unit-sites in the West End.



Comments Submitted by: by Dave Senus on 12/11/2014 are addressed in the following Stormwater Narrative.

RIGHT, TITLE AND INTEREST

QUITCLAIM DEED With Covenant Statutory Short Form

KNOW ALL PERSONS BY THESE PRESENTS, that Todd M. Alexander, of Portland, County of Cumberland and State of Maine, for consideration paid, the receipt whereof is hereby acknowledged, does hereby REMISE, RELEASE AND CONVEY, to May Street 7-9 LLC, having a mailing address of 6 Pond Ridge Lane Norwalk CT 06853, WITH QUITCLAIM COVENANT, the following described real estate located in Portland, Maine:

A certain lot or parcel of land situated in the city of Portland, County of Cumberland and the state of Maine, bounded and described as follows: Beginning on the northeasterly side of May Street at an iron set in the ground at a point which is sixty-five and twenty-five hundredths (65.25) feet thereon from the intersection of the northeasterly side line of May Street and the northwesterly side of Danforth Street; thence by May Street northwesterly fifty-three and seventyfour hundredths (53.74) feet to an iron and land conveyed by Exchange Realty Co. to Peter Sitschew; thence northeasterly making and included angle of 89° 40', by said Sitschew land seventy-six and forty-five hundredths (76.45) feet to land formerly of one Bartol; thence southeasterly by said Bartol land seventy-three and ninety-one hundredths (73.91) feet to an iron set in the ground and land now or formerly of one Pistaki; thence southwesterly by said Pistaki land thirty-eight and five tenths (38.5) feet to a point; thence northwesterly at right angles to the last course twenty and fifty-eight hundredths (20.58) feet to a point; thence southwesterly at right angles to the last course forty (40) feet to the point of beginning.

Reference is made to a deed from Robert C. Hains to Todd M. Alexander dated November 30, 2012, recorded in the Cumberland County registry of deeds in Book 30174, Page 347.

IN WITNESS WHEREOF, the said Todd M. Alexander has set his hand and seal on December 9, 2013.

WITNESS:

Todd M. Alexander

STATE OF MAINE COUNTY OF CUMBERLAND, ss.

November 9, 2013

Then personally appeared the above-named Todd M. Alexander and acknowledged the foregoing instrument to be his free act and deed.

Notary Publishing Print name: Notary Public/Attorney-at-Lavy

Return to: Alex and Kelly Waters 6 Pond Ridge Lane Norwalk, CT 06853

> Received Recorded Resister of Deeds Dec 11,2013 03:20:28P Cumberland County Pamela E. Lovley

5 COMPLIANCE

FINANCIAL AND TECHNICAL CAPACITY

Chapter 14

Project address Project type

7 - 9 May St, Portland, ME, 04101 Multi-family Residential, >2 Units

City Zone Legal ID

B1 & R-6 (Mostly B1) CBL 057 C023

Lot Area

4,898 SF

Permitted Uses

Multiple Uses Allowed

Existing Uses

Vacant Land

Proposed Use

Multi-family Residential

Guidelines

NA

15 DI		

Dimensional	Requirements

Min Lot Size:

None

Provided 4,898 SF

53.75

Min Area per Dwelling Unit:

435 SF per Unit

Required / Allowed

1,663 SF / unit

Min Street Frontage:

20'-0" None

Min Front Yard Max Front Yard:

10'-0" or average depth of nearest lots if 0'-6"

less than 10'-0"

Min Rear Yard:

10'-0" if abutting a residential zone

±14'-0" provided where abutting

residential zone. None

elsewhere

Min Side Yard:

Min Lot Width:

Floor Area:

Max Side Yard on Side Street:

5'-0" if abutting residential zone

5'-0" n/a

Max Structure Height

45'-0"

10'-0"

None

< 40'-0" 53.75' 27'-5"

Max Building Height: Max Impervious Area: 45'-0" 90%

75% 1,678 SF

Other Requirements

Off-street Auto Parking

1 Space per Unit (300-0 max dist)

3 (1 space per unit)

> 50-0 from street line

> 50'-0" from street line

Front Yard Parking

None allowed except driveway

none 2

O anassa na

2 spaces per 5 units

Off-street Bicycle Parking

Applicable Codes

IBC 2009 IECC 2009

B1 & R-6 (Mostly B1) CBL 057 C023 NFPA 101/2009

Maine State Internal Plumbing Code (Ref. Uniform Plumbing Code 2009)

Building Use

Three-unit residential. Rental properties.

Occupancy Classification

IRC 2009 Uses: Townhouse NFPA 101: Residential (One

NFPA 1 | Fire Department Technical Standards:

The project will be sprinkled in compliance with NFPA 13

Hydrant location: approx. 110'-0' from new structure (at the corner of May St. and Danforth St.

All details will be reviewed with the Portland Fire Department as required

Fire Resistant Construction

IRC 2009 R302.2 "Townhouses. "Each townhouse shall be considered a separate building and shall be separated by fire resistance rated wall assemblies meeting the requirements of Section R-302.1 for exterior walls."

"Exception: A common 1-hour fire-resistance-rated wall...is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing."

R302.4 < 5ft.

IRC 2009 Table R302.1 (abbreviated)

Fire-Resistance-Rated Min. Fire Separation Distance

Walls: 1 hr <5 ft. Projections: 1 hr <5 ft. \geq 2ft copenings: \leq 3ft. \leq 25% max wall area: 0 hrs \leq 5ft.

Unlimited:

IRC 2009 R302.2.4 Structural Independence.

"Each individual townhouse shall be structurally independent."

"Exceptions:

- 1. Foundations supporting exterior walls or common walls.
- 2. Structural roof and wall sheathing from each unit may fasten to the common wall framing.

Sound Transmission

IRC 2009 AK101.1 General. "Wall and floor-ceiling assemblies separating dwelling units including those separating adjacent townhouse units shall provide air-borne sound insulation for walls, and both air-borne and impact sound insulation for floor-ceiling assemblies."

IRC 2009 AK102.1 General. "Air borne sound insulation for wall and floor-ceiling assemblies shall meet a Sound Transmission Class (STC) rating of 45..."

IRC 2009 AK103.1 General. "Floor/ceiling assemblies between dwelling units...shall have an Impact Insulation Class (IIC) rating of not less that 45..."



August 5, 2014

Alexander C D Waters 6 Pond Ridge Ln Norwalk, CT 06853 -1541

Dear Mr. Waters:

This letter is to confirm that you have active USAA Investment accounts. This letter also confirms that as of August 4, 2014, your total market value exceeded \$500,000.00. As owner of these accounts, you have full access to these funds.

Please do not hesitate to contact a USAA Member Service Representative at 800-531-8722 if we can be of any further assistance.

Thank you,

USAA



Technical Capacity

Architect: Kaplan Thompson Architects is a leader in Maine and the nation in building super-efficient residences at attainable costs. Kaplan Thompson is the lead designer on the project.

Other Consultants will be retained in an as-needed basis.

7 SOLID WASTE

Solid Waste

The building owner will contract with the City of Portland Public Works Authority for the collection of solid waste and recyclables.

Building tenants will be provided with suitable recycling containers obtained from the Public Works Authority. Tenants will also be instructed to use City of Portland designated biodegradable bags for non-recyclable solid waste.

Construction waste will be sorted on site and either recycled or legally disposed of by the General Contractor.

EVIDENCE OF UTILITY CAPACITY TO SERVE



Consulting Engineers and Scientists

February 10, 2015

Project 151.06001

Brian Johnson Asset Management Technician Portland Water District 225 Douglass Street PO Box 3553 Portland, Maine 04104-3553

RE: Capacity to Serve

3 Unit Development 7-9 May Street Portland, Maine

Dear Brian:

This letter is requesting a determination of whether the Portland Water District has the capacity to serve a residential development proposed at 7-9 May Street in Portland. The development will consist of 3 new residential apartment units with 2 bedrooms each. Based on the Maine State Plumbing Code, we anticipate a total demand of 540 GPD for domestic service.

Enclosed is a utilities plan C-1. We are not aware of any existing water services along the site's frontage. We are proposing a new 2" domestic copper service will be tapped off the May Street 8" watermain. If necessary for the building's fire protection needs, we will also be installing a 4" ductile iron fire protection service. The fire protection needs of the building will be determined during final design.

Thanks for your help on this project to date. Please respond to me at the address below (or by email) at your earliest convenience. If you have any questions, please feel free to call me at (207) 772-2891.

Sincerely,

John Mahoney, P.E. Project Engineer

John Mahoney

Enclosure: Plans for 7-9 May Street development

CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

Mr. Frank J. Brancely,

55 Portland Street, Senior Engineering Technician, Portland, Maine 04101-2991 Phone #: (207) 874-8832, Fax #: (207) 874-8852, E-mail:fjb@portlandmaine.gov 1. Please, Submit Utility, Site, and Locus Plans. Site Address: Chart Block Lot Number: Proposed Use: Commercial (see part 4 below) Previous Use: Site Category Industrial (complete part 5 below) **Existing Sanitary Flows: GPD** Governmental **Existing Process Flows: GPD** Residential Description and location of City sewer that is to Other (specify) receive the proposed building sewer lateral. (Clearly, indicate the proposed connections, on the submitted plans) 2. Please, Submit Contact Information. City Planner's Name: Shuke Owner/Developer Name: Owner/Developer Address: Phone: 203-9/2-Fax: E-mail: **Engineering Consultant Name: Engineering Consultant Address:** Phone: Fax: E-mail: (Note: Consultants and Developers should allow +/- 15 days, for capacity status, prior to Planning Board Review) 3. Please, Submit Domestic Wastewater Design Flow Calculations. Estimated Domestic Wastewater Flow Generated: **GPD** Peaking Factor/ Peak Times: Specify the source of design guidelines: (i.e.X"Handbook of Subsurface Wastewater Disposal in Maine," __ "Plumbers and Pipe Fitters Calculation Manual," __ Portland Water District Records, __ Other (specify) (Note: Please submit calculations showing the derivation of your design flows,

either on the following page in the space provided, or attached, as a separate sheet)

Updated: April 23, 2014

Department of Public Services,

(Note: In determining your restaurant process water flows, and the size of your external grease interceptor, please use The Uniform Plumbing Code. Note: In determining the retention time, sixty (60) minutes is the minimum retention time. Note: Please submit detailed calculations showing the derivation of your restaurant process water design flows, and please submit detailed calculations showing the derivation of the size of your external grease interceptor, either in the space provided below, or attached, as a separate sheet) 5. Please, Submit Industrial Process Wastewater Flows Generated: Septimated Industrial Code (SIC): Septimate Industrial Code (SIC): Sept	4. Please, Submit External Grease Interceptor Calculations. Total Drainage Fixture Unit (DFU) Values: Size of External Grease Interceptor: Retention Time: Peaking Factor/ Peak Times:	N/A
Estimated Industrial Process Wastewater Flows Generated: Do you currently hold Federal or State discharge permits? Is the process wastewater termed categorical under CFR 40? OSHA Standard Industrial Code (SIC): Peaking Factor/Peak Process Times: (Note: On the submitted plans, please show where the building's domestic sanitary sewer laterals, as well as the building's industrial-commercial process wastewater sewer laterals exits the facility. Also, show where these building sewer laterals enter the city's sewer. Finally, show the location of the wet wells, control manholes, or other access points; and, the locations of filters, strainers, or grease traps) (Note: Please submit detailed calculations showing the derivation of your design flows, either in the space provided below, or attached, as a separate sheet) Notes, Comments or Calculation 3 2 - Bedroom Units GPD Fig. 6 D The strainers of GPD Notes of PD Notes of PD Fig. 6 D The strainers of PD Notes of PD Fig. 6 D The strainers of PD Notes of PD Fig. 6 D The strainers of PD Fig. 6 D Fig. 7 D	Plumbing Code. Note: In determining the retention time, sixty (60) minut detailed calculations showing the derivation of your restaurant process wa showing the derivation of the size of your external grease interceptor,	es is the minimum retention time. Note: Please submit ter design flows, and please submit detailed calculations
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3 2-Bedroom Units	Notes Comments or Calculation	
	3 2-Bedroom Units	40 GPO Total

STORMWATER MANAGEMENT





7-9 May Street Stormwater Management Narrative

Date:

February 18, 2015

From:

John Mahoney, P.E.

Peer Review: Stephen J. Bradstreet, P.E.

Location:

7-9 May Street, Portland, Maine

Existing Conditions:

The site is a 4,898 SF (.11 acres) acre parcel on May Street just north of Danforth Street. The property is primarily covered by what appears to be gravel that has become vegetated over the years. The site is quite flat with only approximately one foot of elevation difference from a high point in the northern corner to the May Street Sidewalk.

Stormwater runoff from the site drains to May Street and enters the City's combined sewer system through a catch basin at the corner of Danforth and May Streets. There is no separated stormdrain system in this area.

Based on the Cumberland County USDA soil survey GIS data, the existing soils on this site are hydrological group A, excessively drained.

Proposed Development:

The owner proposes to construct a 3-unit residential apartment building in a townhouse style. The proposed development and parking will result in a site that is primarily impervious.

Stormwater Management - Basic Standards:

Erosion and sedimentation control measures are drawn, detailed and described on Sheets C1 and C3. Good housekeeping practices in accordance with Maine DEP Chapter 500 are described in the notes on Sheet C3. A post construction stormwater management plan and a stormwater BMP inspection and maintenance log are included with this submission.

7-9 May Street Stormwater Management Narrative February 18, 2015

The entire site will be surrounded with a mulch berm, with the exception of the vehicular access point where there will be a crushed stone temporary construction entrance. Crushed stone check dams will be installed along the May Street gutter line down-gradient from the site and the downstream catch basin will be protected as indicated on Sheets C1 and C3.

Stormwater Management - Quality:

Because stormwater runoff leaving this site will enter into the City's combined sewer system (where it will be mixed with sanitary sewerage) we are proposing to focus our stormwater management design on infiltration, retention and reducing the peak runoff rates at which stormwater will leave the site. We suggest that focusing on treatment would not meet the end goal of water quality because treated runoff would be mixed with raw sewerage and conveyed to the WWTF where it would be treated a second time. Rather, focusing on reducing the volume and rates of runoff has the potential to mitigate combined sewer overflows by reducing loads on the plant and pump stations.

We are proposing 4 rain garden areas 2" to 3" deep for a total area of approximately 240 square feet. These rain gardens are arranged in a series such that overflow from the highest elevation rain garden (behind the building) will flow into the next highest elevation rain garden (along the driveway furthest from May Street). Overflow from this rain garden will flow along the edge of the driveway into the next rain garden and so on until discharging to May Street. Approximately 90% of the runoff will flow into at least one rain garden and much of the runoff from this site will flow through multiple rain gardens before discharging to May Street.

We are not proposing to pipe stormwater runoff water into the combined sewer system. Stormwater runoff will leave the site over the surface only. However because we are encouraging infiltration of stormwater in close proximity to the building (which may, in the future, have a finished basement) we believe it would be prudent to have a foundation drain. Because there is no other practical option, we propose to connect this drain to the combined sewer as shown on Sheet C1.

Stormwater Management - Quantity:

In our opinion, the proposed rain gardens will help to reduce peak runoff rates during typical rainfall events in the ½" to 1" range, which will, in turn, reduce CSO discharges resulting in a benefit to the water quality of Casco Bay. However, the proposed rain gardens will not meet the City's flooding standard for large flooding events such as a 25-year frequency storm event. In order meet the City's flooding standard, underground storage with a direct, piped connection to the combined sewer would be required.

We are requesting a waiver to the City's flooding standard for the following reasons.

- Any increases in peak flow rates will be minor when compared to the capacity of the existing 24" sanitary sewer in Danforth Street, which receives runoff from this site.
- The proposed rain gardens are the most practical option to mitigate peak runoff rates without piping stormwater runoff directly into the combined sewer.

7-9 May Street Stormwater Management Narrative February 18, 2015
• The ground surface of the site appears to be gravel, which may mean that the site has a history as a surface parking area or perhaps a former building.

7-9 May Street STORMWATER DRAINAGE SYSTEM MAINTENANCE AGREEMENT

IN CONSIDERATION OF the site plan approval granted by the Planning Board/Planning Authority of the City of Portland to the proposed 3-Unit Residential Development at 7-9 May Street, and the associated Grading, Drainage & Erosion Control Plans Sheets C1, C2 and C3 (Exhibit A) submitted by Kaplan

Thompson Architects, prepared by Ransom Consulting, Inc (engineer) of 400 Commercial Street, Suite

404, Portland, Maine, dated February 19, 2015, and pursuant to a condition thereof, May Street 7-9 LLC (name of owner) a Maine limited liability company with a principal place of business in Norwalk, CT, and having a mailing address of 6 Pond Ridge Lane, the owner of the subject premises, does hereby agree, for itself, its successors and assigns (the "Owner"), as follows:

Maintenance Agreement

That it, its successors and assigns, will, at its own cost and expense and at all times in perpetuity, maintain in good repair and in proper working order the <u>rain garden areas (shallow depressions with</u>

plantings) intended to facilitate infiltration and slow/reduce the flow of stormwater runoff from the site (hereinafter collectively referred to as the "stormwater system"), as shown on the Plan in Exhibit A and in strict compliance with the approved <u>Post Construction Stormwater Management Plan</u> prepared for the owner by Ransom Consulting, Inc(copy attached at Exhibit B) and Chapter 32 of the Portland City Code.

Owner of the subject premises further agrees, at its own cost, to keep a Stormwater Maintenance Log. Such log shall be made available for inspection by the City of Portland upon reasonable notice and request.

Said agreement is for the benefit of the said City of Portland and all persons in lawful possession of said premises and abutters thereto; further, that the said City of Portland and said persons in lawful possession may enforce this Agreement by an action at law or in equity in any court of competent jurisdiction; further, that after giving the Owner written notice and a stated time to perform, the said City of Portland, by its authorized agents or representatives, may, but is not obligated to, enter upon said premises to maintain, repair, or replace said stormwater system in the event of any failure or neglect thereof, the cost and expense thereof to be reimbursed in full to the said City of Portland by the Owner upon written demand. Any funds owed to the City under this paragraph shall be secured by a lien on the property.

This Agreement shall also not be construed to allow any change or deviation from the requirements of the site plan most recently and formally approved by the Planning Board/Planning Authority of the City of Portland.

This agreement shall bind the undersigned only so long as it retains any interest in said premises, and shall run with the land and be binding upon the Owner's successors and assigns as their interests may from time to time appear.

The Owner agrees to record a copy of this Agreement in the Cumberland County Registry of Deeds within thirty (30) days of final execution of this Agreement. The Owner further agrees to provide a copy of this Agreement to any Condominium Association or management company, and to any successor or assign and to forward to the City an Addendum signed by any successor or assign in which the successor or assign states that the successor or assign has read the Agreement, agrees to all its terms and conditions and the successor or assign will obtain and forward to the City's Department of Public Services and Department of Planning and Urban Development a similar Addendum from any other successor or assign.

For the purpose of this agreement and release "Owner" is any person or entity who is a successor or assign and has a legal interest in part, or all, of the real estate and any building. The real estate shown by chart, block and lot number in the records on file in the City Assessor's office shall constitute "the property" that may be entered by the City and liened if the City is not paid all of its costs and charges following the mailing of a written demand for payment to the owner pursuant to the process and with the same force and effect as that established by 36 M.R.S.A. §§ 942 and 943 for real estate tax liens.

Any written notices or demands required by the agreement shall be complete on the date the notice is attached to one or more doors providing entry to any buildings and mailed by certified mail, return receipt requested or ordinary mail or both to the owner of record as shown on the tax roles on file in the City Assessor's Office.

If the property has more than one owner on the tax rolls, service shall be complete by mailing it to only the first listed owner. The failure to receive any written notice required by this agreement shall not prevent the City from entering the property and performing maintenance or repairs on the stormwater system, or any component thereof, or liening it or create a cause of action against the City.

Dated at Portland, Maine this day of	, 2014.
	(7-9 May Street LLC)
	(representative of owner, name and title)
STATE OF MAINE	
CUMBERLAND, ss.	Date:
Personally appeared the above-named foregoing instrument to be his free act and deed in h	(name and title), and acknowledged the ais said capacity.
	Before me,
	Notary Public/Attorney at Law
	Print name:

Exhibit A: Approved Grading and Drainage Plan (C1- C2 and C3)

Exhibit B: Approved Stormwater Maintenance and Inspection Agreement

7-9 May Street Post-construction stormwater management plan

The Applicant shall maintain the BMPs in accordance with the approved plan and shall demonstrate compliance with the plan as follows:

(a) Inspections. The owner or operator of a BMP shall hire a qualified post-construction stormwater inspector to at least annually, inspect the BMPs, including but not limited to any parking areas, catch basins, drainage swales, detention basins and ponds, pipes and related structures, in accordance with all municipal and state inspection, cleaning and maintenance requirements of the approved post-construction stormwater management plan.

-Specific Requirements are explained in the attached Stormwater BMP Inspection and Maintenance Log

- (b) Maintenance and repair. If the BMP requires maintenance, repair or replacement to function as intended by the approved post-construction stormwater management plan, the owner or operator of the BMP shall take corrective action(s) to address the deficiency or deficiencies as soon as possible after the deficiency is discovered and shall provide a record of the deficiency and corrective action(s) to the department of public services ("DPS") in the annual report.
- (c) Annual report. The owner or operator of a BMP or a qualified post-construction stormwater inspector hired by that person, shall, on or by June 30 of each year, provide a completed and signed certification to DPS in a form provided by DPS, certifying that the person has inspected the BMP(s) and that they are adequately maintained and functioning as intended by the approved post-construction stormwater management plan, or that they require maintenance or repair, including the record of the deficiency and corrective action(s) taken.
- (d) Filing fee. Any persons required to file and annual certification under this section shall include with the annual certification a filing fee established by DPS to pay the administrative and technical costs of review of the annual certification.
- (e) Right of entry. In order to determine compliance with this article and with the post-construction stormwater management plan, DPS may enter upon property at reasonable hours with the consent of the owner, occupant or agent to inspect the BMPs.

7-9 May Street: Stormwater BMP Inspection Log

The City of Portland, ME requires ongoing annual inspections to ensure the proper maintenance and operation of stormwater management facilities.

Inspections must be conducted by third parties qualified by the City.

A. General Information

Use only <u>one</u> Cover Sheet per site with as many specific structural BMP Inspection Report attachments as needed. Attach required color digital photos of site, structures and devices as applicable with captions.

Project Name:	7-9 May Street	Inspection Date:	
Parcel Map, Block and Lot:	57-C-23	Current Weather:	
BMP Owner:	May Street 7-9 LLC	Date / Amount Last Precip:	
Owner Mailing Address:	6 Pond Ridge Lane	3PI Company:	
	Norwalk, CT	3PI Mailing Address:	
Owner Phone #:	(203)912-9055	Sri Walling Address.	
Owner Email:	alex.c.waters@gmail.c om	Inspector Name:	
		Inspector Phone #:	
		Inspector Email:	

B. Inspection Report Attachments

Please document the number of each structural BMP type found at this site in the blank spaces provided below. Use additional Attachments if / as needed and submit all Attachments together with the Cover Sheet as a single report.

BMP Type	Number BMPs at site
Vegetated Areas	-
Rain Garden Areas	4
Stone Drip Edge Areas	-
; ;	

Other (describe	
C. Inspection Results	
FAIL**	
** If any one item on an Inspection Report attachment is coded as "Work Needed" then entire BMP fails inspection.	
** If a site has multiple BMPs and one fails inspection, mark as "Fail" until all BMPs pass inspection.	
Note: Applicable BMP Inspection Reports and confirmatory color digital photos summarizing required repairs must be submitted to the City following completion of the preliminary inspection. A re-inspection and certification must be comple within 60 days of the failed preliminary report. It is recommended that the inspector be part of the repair / maintenance poensure that repairs are performed properly.	
PASS	
Note: a qualified professional (as determined by the City) must sign below and include all applicable Inspection Report attachments and confirmatory digital color photos with captions.	
D. Professional Certification (as qualified by City of Portland Stormwater Program Coordinator)	
To be completed only when all BMPs at this site are functioning as designed with no outstanding maintenance issues.	
I,, as a duly qualified third party inspector attest that a thorough inspection has been completed for ALL applicable BMPs that are associated with this particular site. All inspected structural BMPs are performing as designed and intended and are in compliance with the provisions of the City Portland's Standards	
Signature:	
Date:	
Form Adapted from the City of South Portland's Annual Structural BMP Inspection Report Cover Sheet	

Owner: May Street 7-9 LLC	Operator:			
Location & Parcel Id: 57-C-23	Inspector:			
	Date:			
General Information	Observations			
Inspection duration (hours)				
Days since last precipitation				
Quantity of last precipitation (in)				
Type of inspection				
Storm event				
Current weather				
Photos taken	☐ Yes ☐ No ☐ NA			
Nearby natural resources	☐ Yes ☐ No ☐ NA			
Copy of ESC plan	☐ Yes ☐ No ☐ NA			
MEDEP Permit # (if applicable)				
Vegetated Areas	Observations			
No bare areas (< 90% covered) with sparse growth	☐ Yes ☐ No ☐ NA			
No erosion	☐ Yes ☐ No ☐ NA			
Rain Garden Areas	Observations			
Accumulated sediments and debris (trash) within the infiltration area have been removed and legally disposed of	☐ Yes ☐ No ☐ NA			
Mulch has been replaced. Required yearly	☐ Yes ☐ No ☐ NA			
Grades as shown on the Drainage & Utilities Plan – C1 have been retained	n □ Yes □ No □ NA			
Plantings are healthy	☐ Yes ☐ No ☐ NA			
Rain Garden Notes The rain garden areas are shallow depressions intended to slow are that they not be filled in. Therefore before installing new bark multiple order to maintain existing grades.				
Stone Drip Edge Areas				
Sloped Away from Building	☐ Yes ☐ No ☐ NA			
Grades as shown on the Drainage a& Utilities Plan – C1 have bee retained	en 🗆 Yes 🗆 No 🗆 NA			
Free from debris	☐ Yes ☐ No ☐ NA			
Drip Edge Notes				

7-9 May Street Post-Construction Stormwater BMP Third Party Inspection Report

Other Comments	Observations	
Corrective action needed	☐ Yes	□ No □ NA
If corrective action in needed, please explain detail	,	
Verbal notification provided to responsible party	□ Yes	□ No
V. 1.1		
Verbal notification contact		
Follow up required	☐ Yes	□ No
Final comment notes		

Photos (use additional pages as needed)

,31	Viay Street Post-Constru	Ction Stormwater bivir i	mi a raity mspection k	ερστ
	·			
Review Notes				
Date Reviewed: Reviewed by:				
Date entered: Date edited:				
Edited by:				

10

HVAC

HVAC

All HVAC equipment in this project will meet all applicable state and federal emissions requirements.

The HVAC equipment will meet the requirements of ASHRAE 90.1-2007 Energy Efficiency Standard and the IECC 2009.

Primary HVAC equipment will be located in each unit's basement. A condenser for each unit will be located on the NW building elevation. As shown on the drawings, this equipment will be screened from view by the property fence as well as a bracket-supported roof.

Noise levels generated by site equipment will not exceed City standards.

DRAWINGS

(REDUCED TO 11"X17")



7-9 MAY STREET



PROJECT INFORMATION

Client: May Street 7-9 LLC

Architect: Kaplan Thompson Architects

Contractor: TBD

Map / Lot: 057 C023001

Project Address: 7-9 May Street PORTLAND, MAINE

Zoning: PORTLAND CITY CODE

Building Codes: IRC 2009

NFPA 101 / 2009

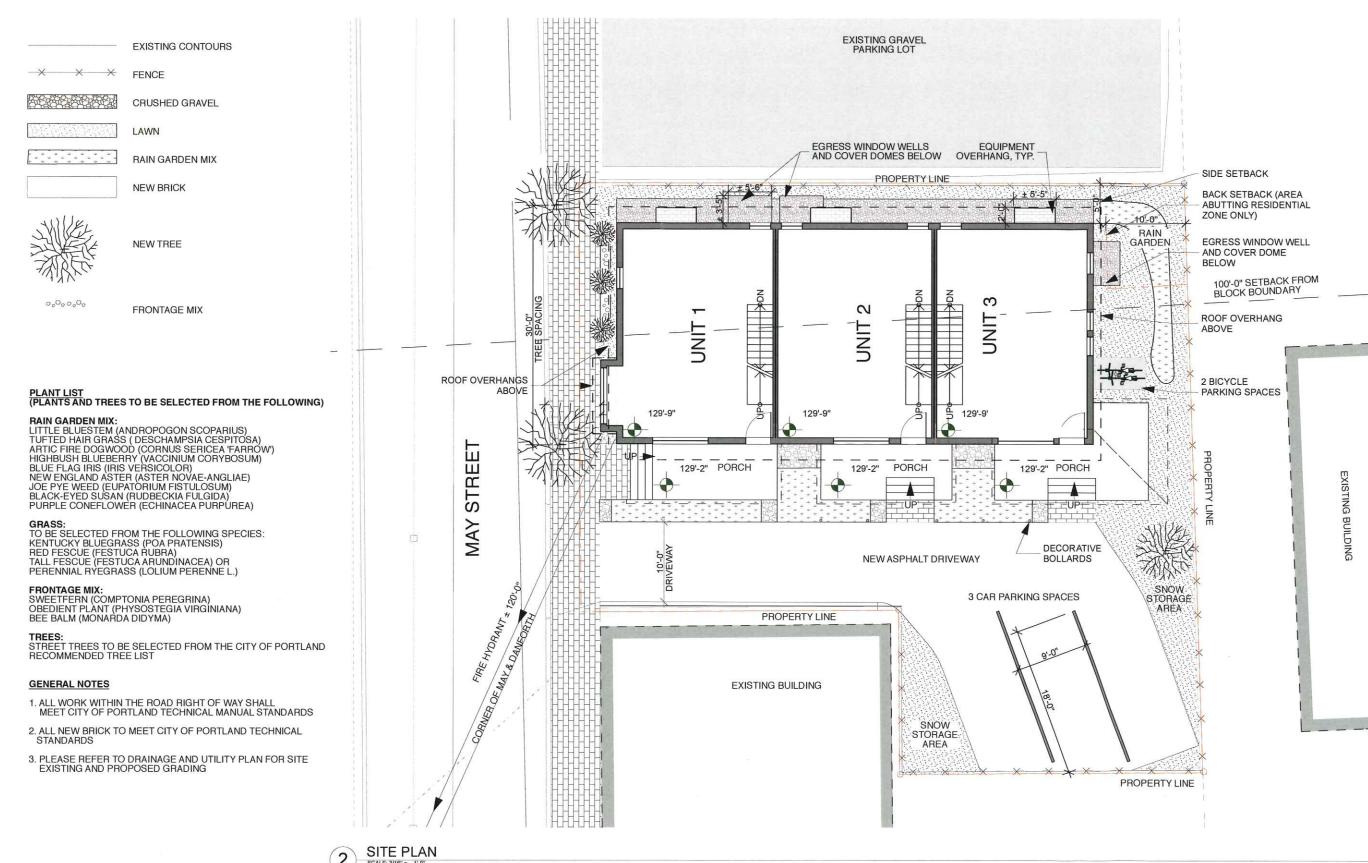
Site Area: 4,898 +/- SF 0.11 +/- ACRE

Occupancy: Townhouse - Residential

Max Building Height: 45'-0"

	DRAWING INDEX
	COVER SHEET
	BOUNDARY SURVEY
	RECORDING PLAT
	SUBDIVISION PLAN
C1	DRAINAGE AND UTILITY PLAN
C2	CIVIL DETAILS
C3	ESC DETAILS AND NOTES
A-0.0	SITE PLAN
A-0.1	CONSTRUCTION MANAGEMENT PLAN
A-1.1	PLANS
A-2.1	ELEVATIONS















PROJECT:
7-9 MAY STREET
ALEX WATERS
7-9 MAY STREET
PORTLAND, MAINE

 DRAWING:
 SITE PLAN

 SCALE:
 3/16" = 1"-0"
 DRAWN BY: CA

 DATE:
 FEBRUARY 20, 2015
 REVISED:

CONSTRUCTION MANAGEMENT PLAN KEY

SITE FENCE

TEMPORARY SITE FENCE

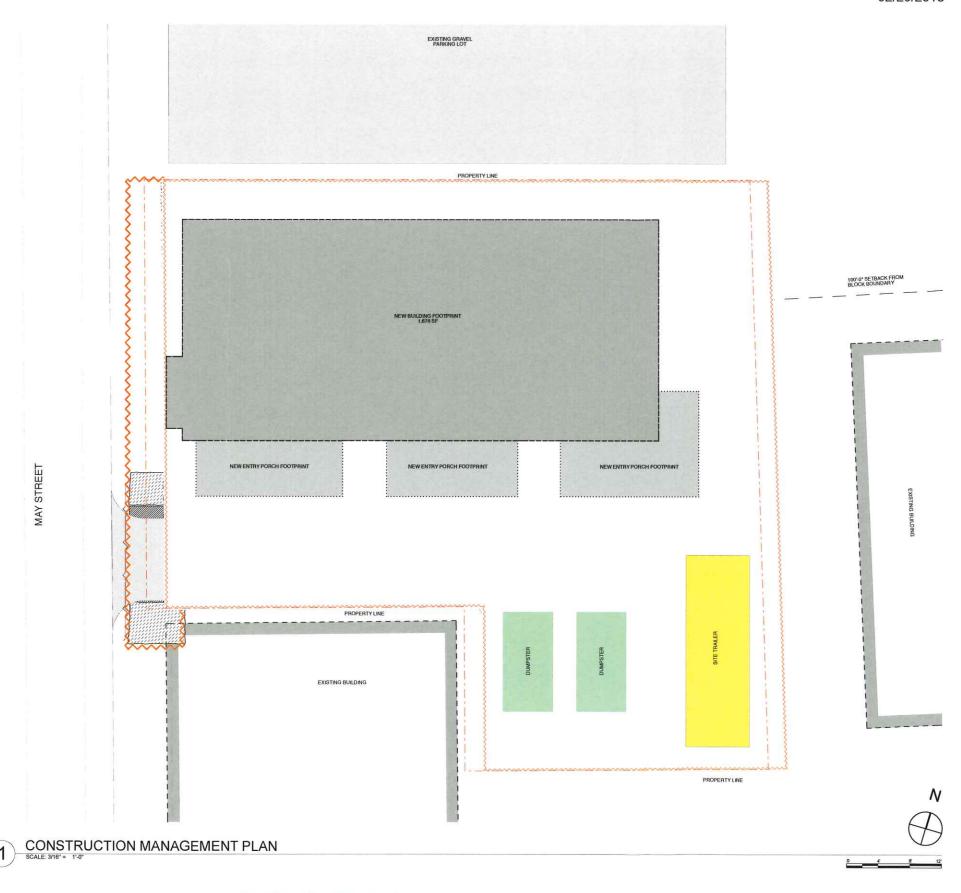
PROPERTY LINE

BRICK SIDEWALK TO BE REMOVED TO FORM NEW DRIVEWAY

CONSTRUCTION MANAGEMENT PLAN NOTES

1. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.

5, CONSTRUCTION WASTE WILL BE SORTED ON SITE AND EITHER RECYCLED OR LEGALLY DISPOSED OF BY THE GENERAL CONTRACTOR



KAPLAN THOMPSON A R C H I T E C T S 424 FOREST. PORTLAND, ME 04101 207 -842-2888 FAX:842-2828 jess@kaplanthompson.com

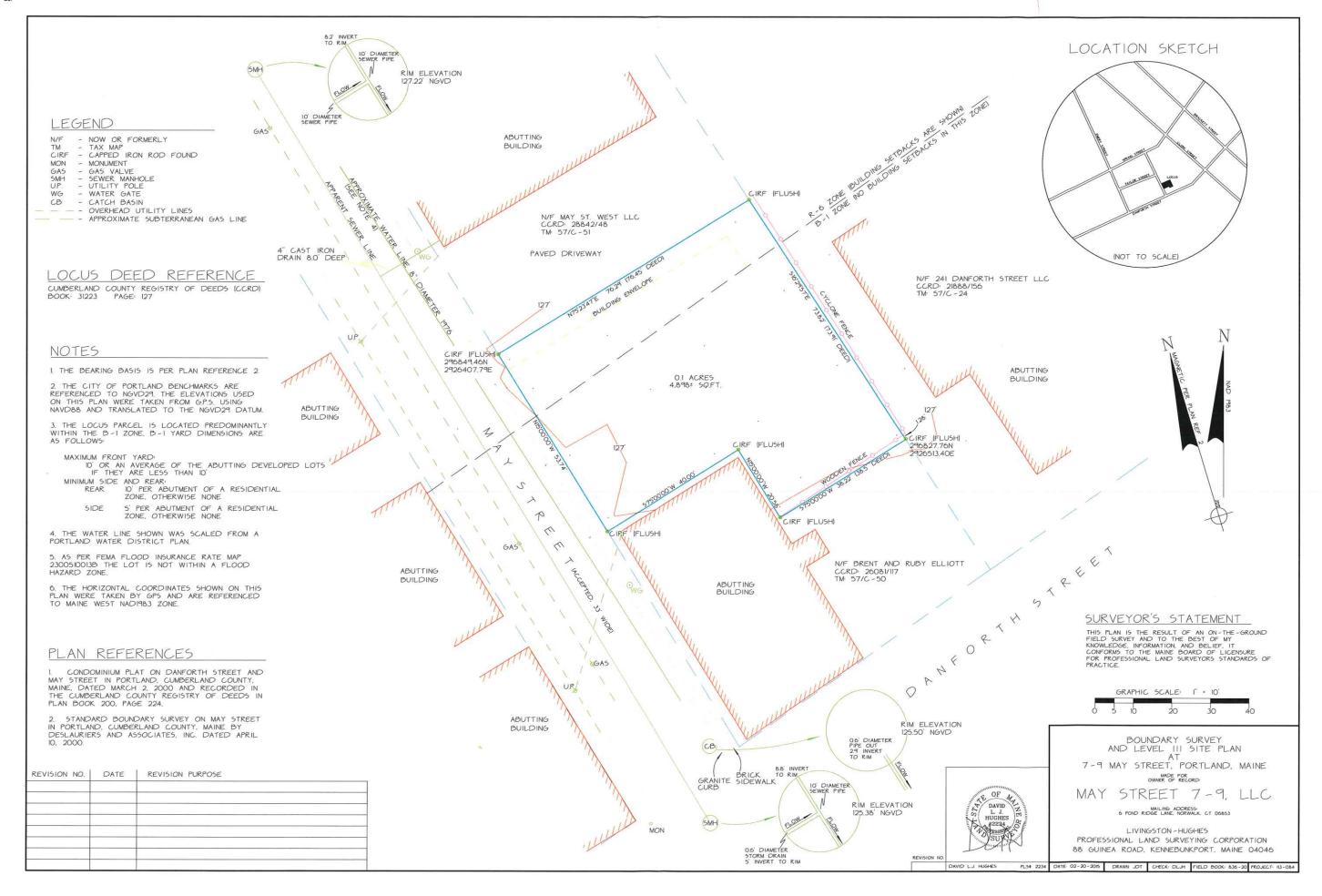


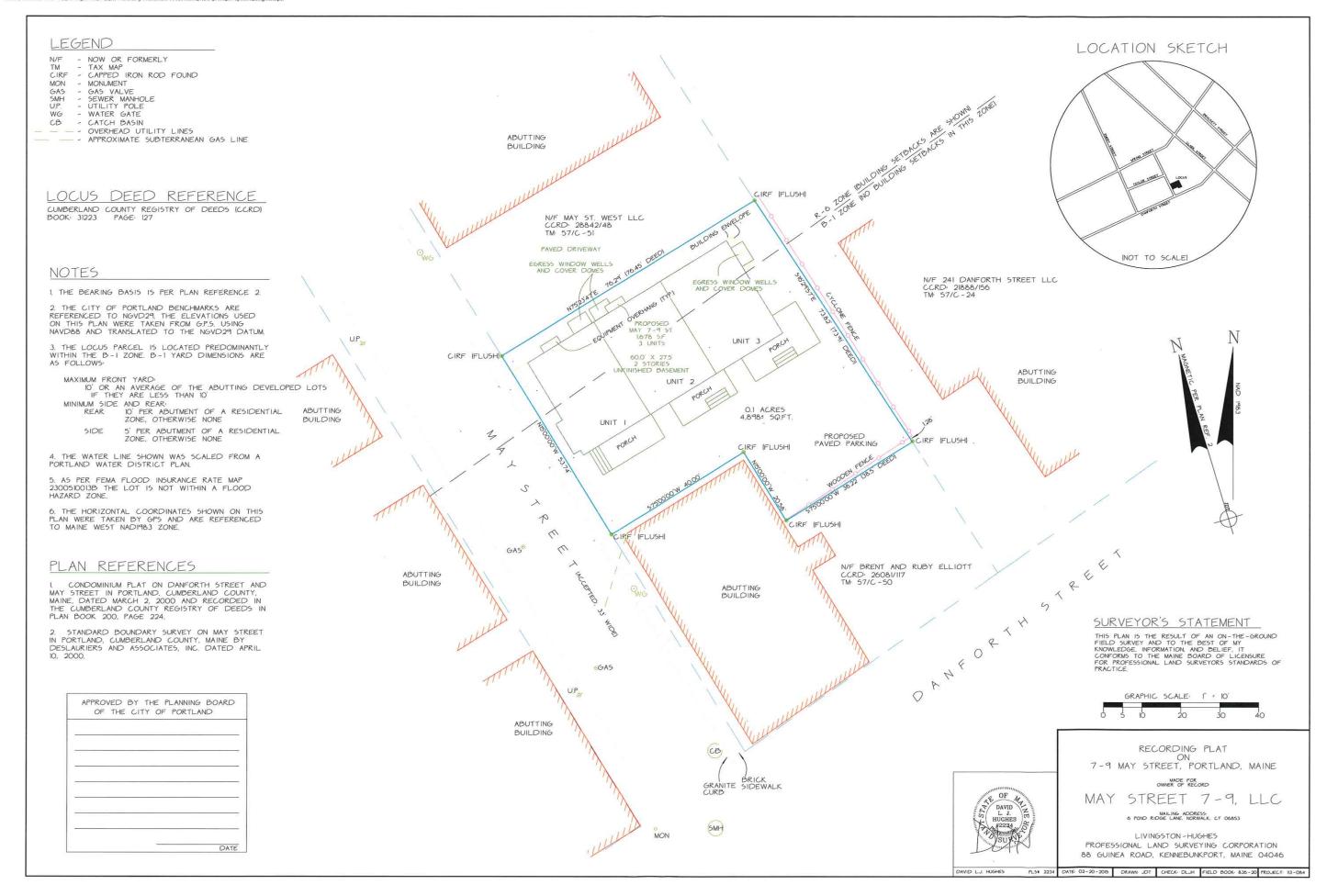


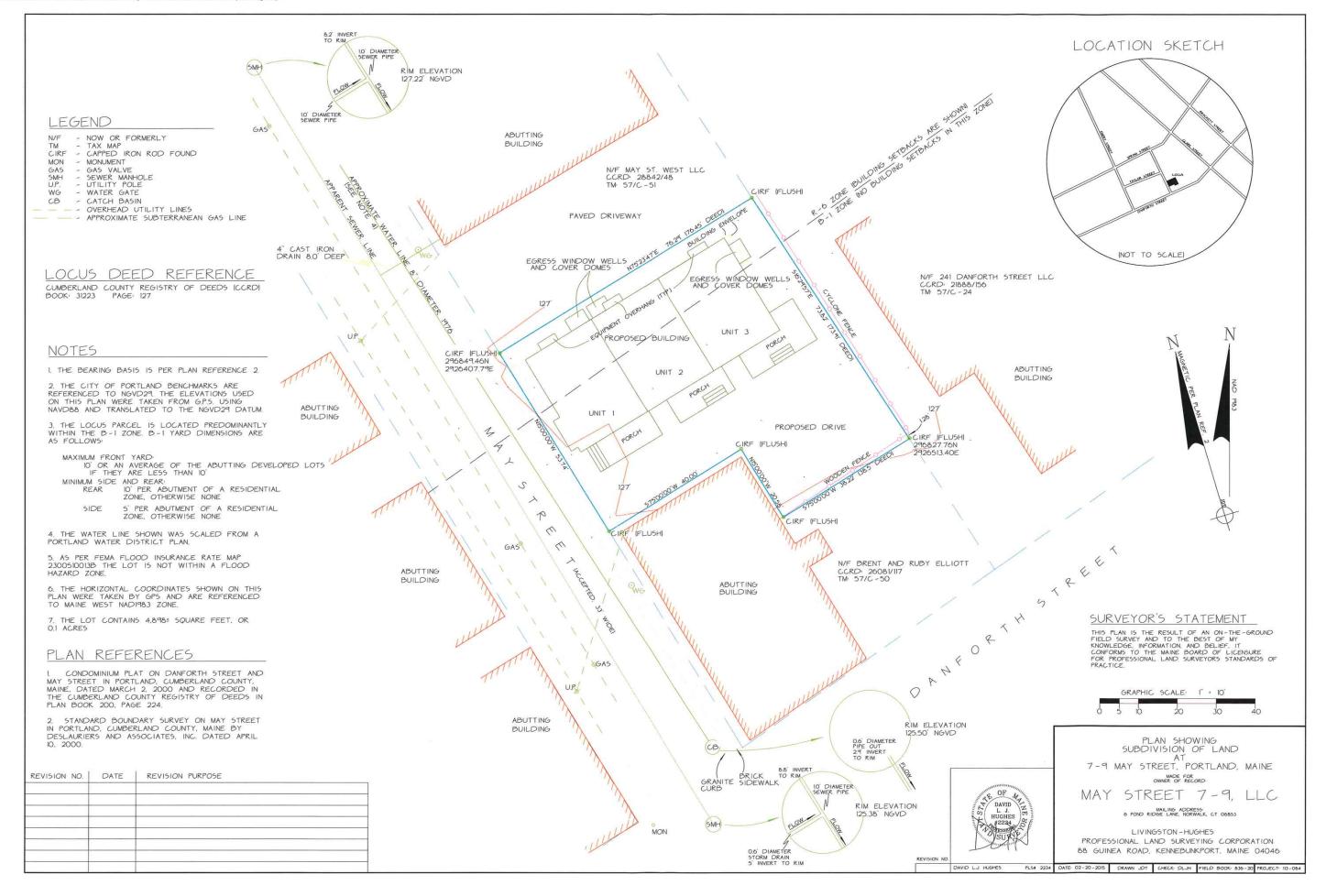


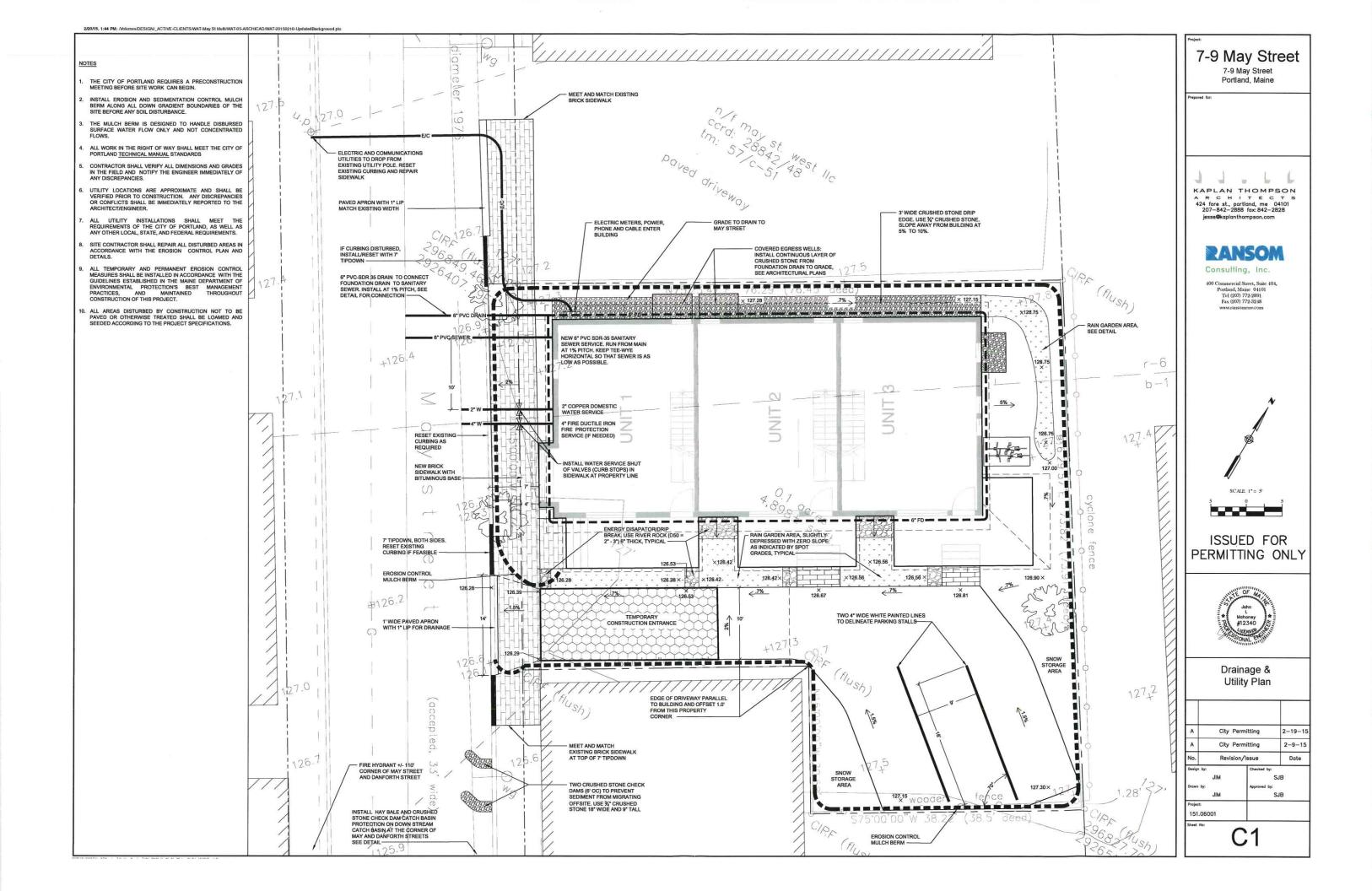
PROJECT:
7-9 MAY STREET
ALEX WATERS
7-9 MAY STREET
PORTLAND, MAINE

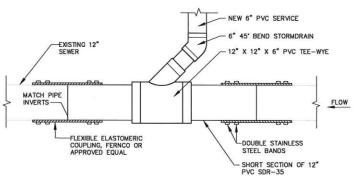
DRAWING:	CONSTRUCTION MANAGEMENT PLAN		
SCALE:	AS INDICATED	Drawn by: CA	923
DATE:	FEBRUARY 20, 2015	REVISED:	_ A-c







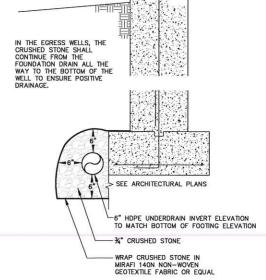




- If the existing sewer is PVC then the connection shall be made using bell and spigot joints, NOT Ferncos.
- All damaged piping shall be removed by saw cutting or removing an entire segment of pipe and replaced with new PVC. Contractor shall remove clay bell(s) (by saw cutting) to facilitate Fernco installation. Saw cuts shall be square so that joints between new and existing pipes do not have gaps.
- Contractor is responsible for maintaining sewer flows while while making the new sewer service and drain connections. If required, bypass pumping shall be coordinated with the City. Contractor shall provide the City 24 hours notice.
- 4. Bypass pumping may be required and shall be coordinated with the City

CONNECTION TO SANITARY SEWER

(USE FOR SEWER SERVICE AND FOUNDATION DRAIN)

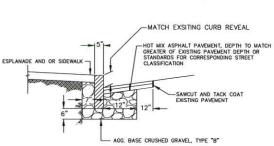


FOOTING DRAIN DETAIL

NOT TO SCALE

10" AGGREGATE BASE COURSE, TYPE "B" GRAVEL USE 12" AGGREGATE BASE COURSE IN DRIVEWAY APRON AREAS 2" HOT BITUMINOUS PAVEMENT, GRADING "B" (19 mm) AND MULCH AS DIRECTED BY CITY ENGINEER - CLEAN SAND SWEPT INTO JOINTS 1" DRY SAND-CEMENT MIX (6:1) FOR BASE CONCRETE PAVER/BRICK UNITS LAID FLAT MATCH EXISTING REVEAL - FINISHED STREET GRADE GRANITE CURB

CONCRETE UNIT PAVER AND BRICK SIDEWALK WITH BITUMINOUS BASE



VERTICAL GRANITE CURB CROSS SECTION

VERTICAL GRANITE CURB INSTALLATION IN EXISTING STREETS

NOT TO SCALE

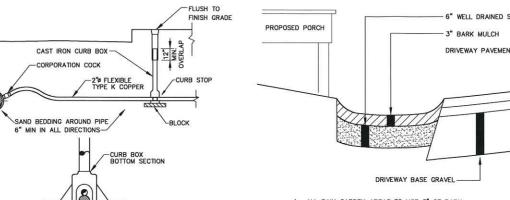
CONCRETE UNIT PAVERS AND BRICKS:

BRICKS SHALL BE: Bricks shall be of standard size $(2-1/4" \times 4"$ x 8"). Bricks shall be Pine Hall Pathway Paver Brick as manufactured by Pine Hall Brick Co., Madison, North Carolina. Specification number: 4"X8"; LaChance item # 193623, Pine Hall Pathway Paver Brick. Prior to ordering the brick, samples shall be submitted in whole straps to show color range. All base courses and joints shall conform to the applicable subsections of Division 700 of the Standard Specifications

BORDER CONCRETE PAVER UNIT COURSE SET IN WET

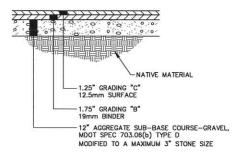
PIPE AND TRENCH TRENCH WOTH 1.5" GRADING "C" 12.5mm SURFACE GRIND EXISTING PAVEMENT 6" PAST NEW BINDER PAVEMENT 1 1/2" DEEP. TACK COAT BEFORE SURFACING 2" GRADING "B" 19mm BINDER 3" AGGREGATE BASE COURSE-CRUSHED-MDOT TYPE A 15" AGGREGATE SUBBASE COURSE-GRAVEL-MDOT TYPE D -SEE TYPICAL TRENCH DETAIL

TYPICAL TRENCH PAVING DETAIL

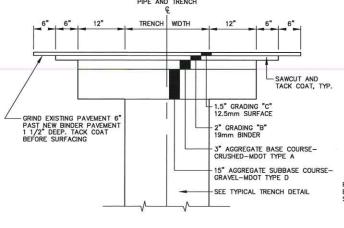


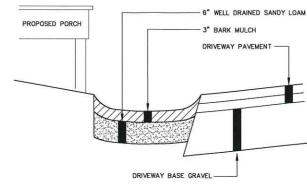
ALL MATERIALS AND WORKMANSHIP SHALL MEET PORTLAND WATER DISTRICT STANDARDS CONTRACTOR TO COORDINATE WITH PDW FOR SERVICE TAP

TYPICAL COPPER DOMESTIC SERVICE DETAIL



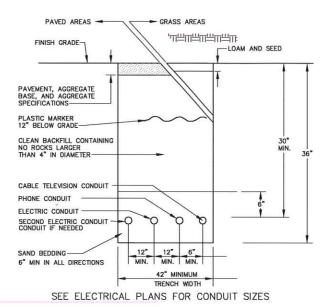
TYPICAL DRIVEWAY CONSTRUCTION OUTSIDE OF RIGHT OF WAY



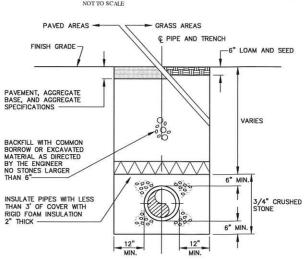


- ALL RAIN GARDEN AREAS TO USE 3" OF BARK MULCH AND 6" OF WELL DRAINED SANDY LOAM

RAIN GARDEN DETAIL



UNDERGROUND UTILITY TRENCH DETAIL



TYPICAL TRENCH - STORMDRAIN & SEWER

7-9 May Street 7-9 May Street Portland, Maine





400 Commercial Street, Suite 404, Portland, Maine 04101 Tel (207) 772-2891 Fax (207) 772-3248

ISSUED FOR PERMITTING ONLY



Civil Details

T			
A	City P	ermitting	2-19-15
No.	Revision/Issue		Date
Design by: JIM		Checked by:	SJB
Drawn by: JIM		Approved by	sjb
Project:	06132		
Sheet N	0:		

Ransom Consulting, Inc. is not aware of any existing erosion problems on site.

Protected Natural Resources

Erosion Control Measures and Site Stabilization

- Rapid vegetation of exposed areas to minimize the
- period of soil exposure. Rapid stabilization of drainage paths to avoid channel
- The use of on—site measures to capture sediment
- (hay bale dam, erosion control berm)

 Development of a careful construction sequence.

control devices will be implemented as part of the site development. These devices shall be installed as indicated on the plans or as described within this report. For further ce, see the Maine Erosion and Sediment Control BMPs

Temporary Erosion Control Measures

The following measures are planned as temporary erosion & sedimentation control measures during construction. These temporary erosion control measures should be removed within 30 days after permanent stabilization has been established.

- 1. Crushed stone-stabilized construction entrances shall be
- 2. Wood waste compost berms (erosion
 - control berm) shall be installed downstream of any disturbed areas to trop runoff borne sediments until the tributary areas are vegetated. The the erosion control berms shall be installed per the details provided and inspected regularly, including before and after a storm event of 0.5 inches or greater. Repairs shall be made if there are any signs of erosion or sedimentation below the fence or berm line. If there are signs of undercutting at the center or the edges, or impounding of large volumes of water behind berm, the barrier shall be replaced with a stone
- 3. Straw, hay mulch and hydroseeding is intended to provide cover for bare or seeded areas until vegetation is established and should be applied within 7 days at a rate a 115 pounds per 1000 square feet. Mulch placed between April 15th and October 15th (on slopes of less then 15 percent) shall be anchored by applying water. Mulch placed on slopes of equal to or steeper than 15 percent shall be covered by fabric netting and anchored with staples in accordance with manufacturer's recommendation. Slopes steeper than 3:1 shall receive erosion control blankets or rip rap.
- Temporary stockpiles of stumps, grubbings, or common excavation will be protected as follows:
 Stockpiles shall be stabilized within seven days by either temporarily seeding the stockpile by a hydroseed method containing an emulsified mulch tackifier or by covering the stockpile with mulch, such as shredded hay, straw, or erosion control mix. Stockpiles shall be surrounded by sedimentation barrier
- at the time of formation
- All disturbed areas that are within 75 Feet of an undisturbed wetland shall receive mulch or erosion control mesh fabric within 48 hours of initial disturbance of soil. All areas within 75 Feet of an undisturbed wetland shall be mulched prior to any predicted rain event regardless of the 48 hour window, In other areas, the time period may be extended to 7
- 6. State and local roads shall be swent to control mud and dost as necessary. Additional stone shall be added to the stabilized construction entrance to minimize the tracking of material off the site and onto the surrounding roadways.
- Stormdrain catch basin inlet protection shall be provided through the use of stone sediment barriers or approved sediment bags (such as Silt Sack). Installation details are provided in the plan set. The barriers shall be inspected offer each rolinfall and repairs made as necessary. Sediment shall be removed and the barrier restored to its original dimensions when the sediment has accumulated to half the design depth of the barrier. The barrier shall be removed when the
- 8. Water and/or calcium chloride shall be furnished and applied in accordance with MDOT specifications—Section 637—Dust Control.
- 9. Loam and seed is intended to serve as the primary permanent vegetative measure for all bare areas not provided with other erosion control measures, such as
- Water from construction trench dewatering or temporary stream diversion shall pass first through a filter bag or stream aversion shall pass irrst through a lined lined pool) prior to discharge. The discharge site shall be selected to avoid flooding, icing, and sediment discharges to a protected resource. In no case shall the filter bag or containment structure be located within 75 feet of a protected natural resource.

Permanent Erosion Control Measures

The following permanent erosion control measures have bee designed as part of the Erosion/Sedimentation Control Plan

- 1. All areas disturbed during construction, but not subject to other restoration (poving, riprop, etc.) will be loamed, limed, fertilized, mulched, and seeded. Fabric netting, anchored with staples, shall be placed over the mulch in areas as noted. All areas within 75 feet of an undisturbed wetland shall be mulched prior to any predicted rain event regardless of the 48 hour Native topsoil shall be stockpiled and reused
- 2. All stormdrain pipe outlets shall have riprap aprons at their outlet to protect the outlet and receiving channel from scour and deterioration. Installation details are provided in the plan set. The aprons and plunge pools shall be installed and stabilized to the extent practicable prior to directing runoff to the tributary pipe
- 3. Catch basins shall be provided with sediment sumps and inlet hoods for all outlet pipes that are 18" in diameter or less

Implementation Schedule
The following construction sequence shall be required to insure the effectiveness of the erosion and sedimentation control measures are optimized:

Note: For all grading activities, the contractor shall exercise extreme caution not to overexpose the site by limiting the disturbed area. The construction of BMPs should either be performed after the tributary area is stabilized or temporary erosion control measures need to be implemented to protect the BMPs from being clogged with construction sedi

- 1. Install crushed stone to stabilized construction
- 2. Install perimeter erosion control berm.
- 3. Clear and grub site within the specified clearing limits.
- 4. Commence installation of drainage infrastructure.
- 5. Commence earthwork and grading to subgrade
- 6. Commence construction of building foundation
- 7. Continue earthwork and grading to subgrade as
- 8. Complete remaining earthwork operations.
- 9. Complete installation of drainage infrastructure.
- 10. Install subbase and base gravel within proposed expansion and parking
- 11. Loam, lime, fertilize, seed and mulch disturbed areas.
- 12. Install surface course paving for driveway and parking areas.
- Once the site is stabilized and a 90% catch of vegetation has been obtained, remove all temporary erosion control measures.
- 14. Touch up loam and seed.

Note: All bare areas not subject to final paving, riprap, or

Prior to construction of the project, the contractor shall submit to the owner a schedule for the completion of the work, which will satisfy the above construction sequence in the specified order, however, several separate items may be constructed simultaneously. Work must also be scheduled or phased to The intent of this sequence is to provide for erosion control and to have structural measures such as erosion control and construction entrances in place before large areas of land are

The work shall be conducted in sections which shall: Limit the amount of exposed area to those areas which work is expected to be undertaken during the preceding 30 days.

- Vegetate the disturbed areas as rapidly as possible. All areas shall be permanently stabilized within seven days of final grading or before a storm event; or temporarily stabilized within 48 hours of initial disturbance of soil for greas within 75 feet of an undisturbed wetland and
- Incorporate planned inlets and drainage system as early as possible into the construction phase. The ditches shall be immediately lined or vegetated as soon as their installation is complete.

<u>Winter Stabilization Plan</u>
The winter construction period is from November 1 through April The winter construction period is from November 1 through April 5. If the construction site is not stabilized with povement, a road gravel base, 75% mature vegetation cover or riprap by November 15th, then the site shall be protected with over-winter stabilization

Winter excavation and earthwork shall be completed such that any area left exposed can be controlled by the contractor. Exposed areas shall be limited to those areas in which work is expected to commence and complete in the next fifteen (15) days and that can be mulched within one day prior to any snow event. All greas shall be considered to be bare until the subbase gravel is installed within pavement/building areas or the areas have been loamed, seeded and mulched. Hay and straw mulch rate shall be a minimum of 150 pounds per 1,000 square feet (3 tons/acre) and shall be properly anchored.

The contractor shall install any added measures, which may be necessary to control erosion/sedimentation from the site dependent upon the actual site and weather conditions. continuation of earthwork operations on additional areas shall not begin until the exposed soil surface on the area being worked has been stabilized, in order to minimize areas without

1. Soil Stockpiles

Stockpiles of soil or subsoil shall be mulched for over winter protection with hay or strow at twice the normal rate or at 150 lbs/1,000 SF. (3 tons per acre) or with a four-inch layer of woodwaste erosion control mix This shall be done within 24 hours of stocking and re—established prior to any rainfall or snowfall. Any soi stockpile shall not be placed (even covered with hay or straw) within 100 feet from any natural resources.

2. Sediment Barriers

During frozen conditions, sediment barriers shall consist of woodwaste filter berms as frozen soil prevents the proper installation of hay bales and sediment silt

An area shall be considered bare until areas of future loam and seed have been loamed, seeded and mulched.
Hay and strow mulch shall be applied at a rate of 150
lb. per 1,000 square feet or 3 tons/acre (twice the normal accepted rate of 75–lbs./1,000 SF. or 1.5 tons/acre) and shall be properly anchored. Mulch shall not be spread on top of snow. The snow shall be removed down to a one-inch depth or less prior to removed down to a one-inch depth of less prior to application. After each day of final grading, the area shall be properly stabilized with anchored hay or straw or erosion control matting. An area shall be considered to have been stabilized when exposed surfaces have been either mulched with straw or hav at a rate of 150 lb. per 1,000 square feet (3 tons/acre) and adequately anchored that ground surface is not

Between the dates of November 1st and April 15th all mulch shall be anchored by peg line, mulch netting, tracking, or wood cellulose fiber. When ground surface is not visible through the mulch then cover is sufficient. After November 1st, mulch and anchoring of all bare soil shall occur at the end of each final grading

Mulching on Slopes and Ditches

Slopes shall not be left exposed for any extended time of work suspension unless fully mulched and anchored with peg and netting or with erosion control blankets. Mulching shall be applied at a rate of 230 lbs/1,000 s.f. on all slopes greater than 8%.

Mulch netting shall be used to anchor mulch in all drainage ways with a slope greater than 3% for slopes exposed to direct winds and for all other slopes greater than 8%. Erosion control blankets shall be used in lieu 8%. Erosion control mix can be used to substitute erosion control blankets on all slopes except ditches.

Between the dates of October 15th and April 1st Joan netween the addes of october 13th and April 1st, loam or seed will not be required. During periods of above freezing temperatures, finished areas shall be fine graded and either protected with mulch or temporarily seeded and mulched until such time as the final reatment can be applied. If the date is after November 1st and if the exposed area has been loamed, final graded with a uniform surface, then the area may be dormant seeded at a rate of three times higher than specified for permanent seed and then mulched. Dormant seeding may be selected to be placed prior to the placement of mulch and fabric netting anchored with staples. If dormant seeding i used for the site, all disturbed areas shall receive loam and seed at an application rate of 5 lbs/1000 SF

All areas seeded during the winter shall be inspected in the spring for adequate cotch. All areas insufficiently vegetated (less than 90% catch) shall be revegetated by replacing loam, seed and mulch. If dormant seeding is not used for the site, all disturbed areas shall be revegetated in the spring

stream diversion shall pass first through a filter bag or secondary containment structure (e.g. hay bale lined pool) prior to discharge. The discharges site shall be selected to avoid flooding, icing, and sediment discharges to a protected resource.

Inspection and Monitorina inspection and wontering Maintenance measures shall be applied as needed during the entire construction season. After each rainfall, snow storm or period of thawing and runoff, the site contractor shall perform a visual inspection of all installed erosion control measures and perform repairs as needed to insure their continuous function. Following the temporary and/or final seeding and mulching, the contractor shall in the spring inspect and repair any damages and/or unestablished spots. Established vegetative cover means a minimum of 85% to 90% of areas vegetated with vigorous growth.

Standards for Timely Stabilization of Construction Sites

During Winter
Standard for the timely stabilization of disturbed soils
By September 15th the applicant shall seed and mulch all
disturbed soils on areas having a slope less than 15%. If the applicant fails to stabilize these soils by this date, then the

Stabilize the soil with temporary vegetation--By October 1st the applicant shall seed the disturbed soil with winter rye at a seeding rate of three pounds per 1000 square feet, lightly mulch the seeded soil with hay or straw at 75 pounds per 1000 square feet, and anchor the mulch with plastic netting. The applicant shall monitor growth of the rye over the next 30 days. If the rye fails to grow at least three inches or cover at least 75% of the disturbed soil before November 15th, then the applicant shall mulch the area for over-winter protection as

Stabilize the soil with sod—The applicant shall stabilize the disturbed soil with properly installed sod by October 1st. Proper installation includes the applicant pinning the sod onto the soil with wire pins, rolling the sod to guarantee contact between the sod and underlying soil, and watering the sod to promote root growth into the disturbed soil.

Stabilize the soil with mulch--By November 15th the applicant shall mulch the disturbed soil by spreading hay or straw at a rate of at least 150 pounds per 1000 square feet on the area so that no soil is visible through the mulch. Prior to applied the mulch, the applicant shall remove any snow accumulation on the disturbed area. Immediately after applying the mulch, the applicant will anchor the mulch with plastic netting to prevent wind from moving the mulch off the disturbed soil

Maintenance of Facilities

The stormwater facilities will be maintained by the Owner. The contract documents will require the contractor to designate a person responsible for maintenance of the sedimentation control features during construction as required by the Erosion Control Report and/or Construction Plans. Long-term operation/ maintenance recommended for the stormwater facilities is presented below and should be recertified every five years

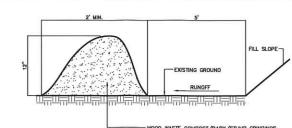
The responsible party may contract with such professionals, as may be necessary in order to comply with this provision and may rely on the advice of such professionals in carrying out its duty hereunder, provided, that the following operation and maintenance procedures are hereby established as a minimum for compliance with this section.

Inspection and Maintenance Frequency and Corrective Measures: The following areas, facilities, and measures will be inspected and the identified deficiencies will be corrected. Clean-out must include the removal and legal disposal of any accumulated

Underdrained Surface Soil Filter Basin:

Inspect basin two times per year (preferably in spring and fall) to ensure that water infiltrates into the subsurface completely (Treatment volume must drain over a mimimum time 24 hours and a maximum time of 48 hours) and that vegetation is corefully managed to prevent creating mosquito and other vector habitats. The use and regular maintenance of pretreatment BMPs will significantly minimize maintenance requirements for the basin. Scarification or other disturbance should only be performed when there are actual signs of clagging or significant loss of infiltration capacity, rather than on a routine basis. Always remove deposited sediments as

Parking Surfaces: Clear accumulations of winter sand in parking lots at least once a year, preferably in the spring. Accumulations on pavement may be removed by pavement sweeping.



FROSION CONTROL MUI CH BERN

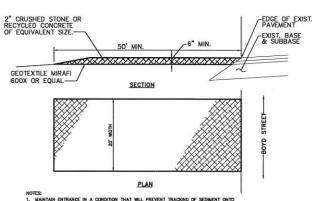
EROSION CONTROL MULCH CAN BE MANUFACTURED ON OR OFF THE PROJECT STE. IT SHALL CONSIST PRIMARILY OF GRANIC MARTIEL AND MAY MICLUSE: SHEEDED BARK, STUMP (RINNIONS, COMEST BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS, WOOD AND BARK CHIPS, GROUND CONSTRUCTION OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE

- THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100%, DRY WEIGHT BASIS. PARTICLE SIZE BY WEIGHT SHALL BE 100 X PASSING A 6" SCREEN AND A MINIMUM OF 70%, MAXIMUM OF 85%, FASSING A 0.75" SCREEN, THE ORGANIC PORTION REEDS TO BE FIBROUS AND ELONGATED. LARGE PORTION OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.

- SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM.
 THE PH SHOULD FALL BETWEEN 5.0 AND 8.0.
 FROSION CONTROL MULCH BERM TO BE REMOVED AFTER SITE IS STABILIZED.

EROSION CONTROL MULCH BERM

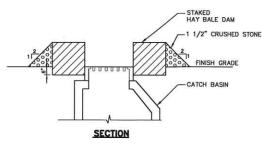
NOT TO SCALE

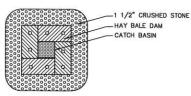


MAINTAIN ENTRANCE IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. IF WASHING IS REQUIRED PREVENT SEDIMENT FROM ENTERING WATERWAYS, DITCHES OR STORM DRAINS.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE





PLAN

CATCH BASIN PROTECTION

NOT TO SCALE

7-9 May Street 7-9 May Street Portland, Maine

KAPLAN THOMPSON 424 fore st., portland, me 04101 207-842-2888 fax: 842-2828



Consulting, Inc. 400 Commercial Street, Suite 404, Portland, Maine 04101 Tel (207) 772-2891

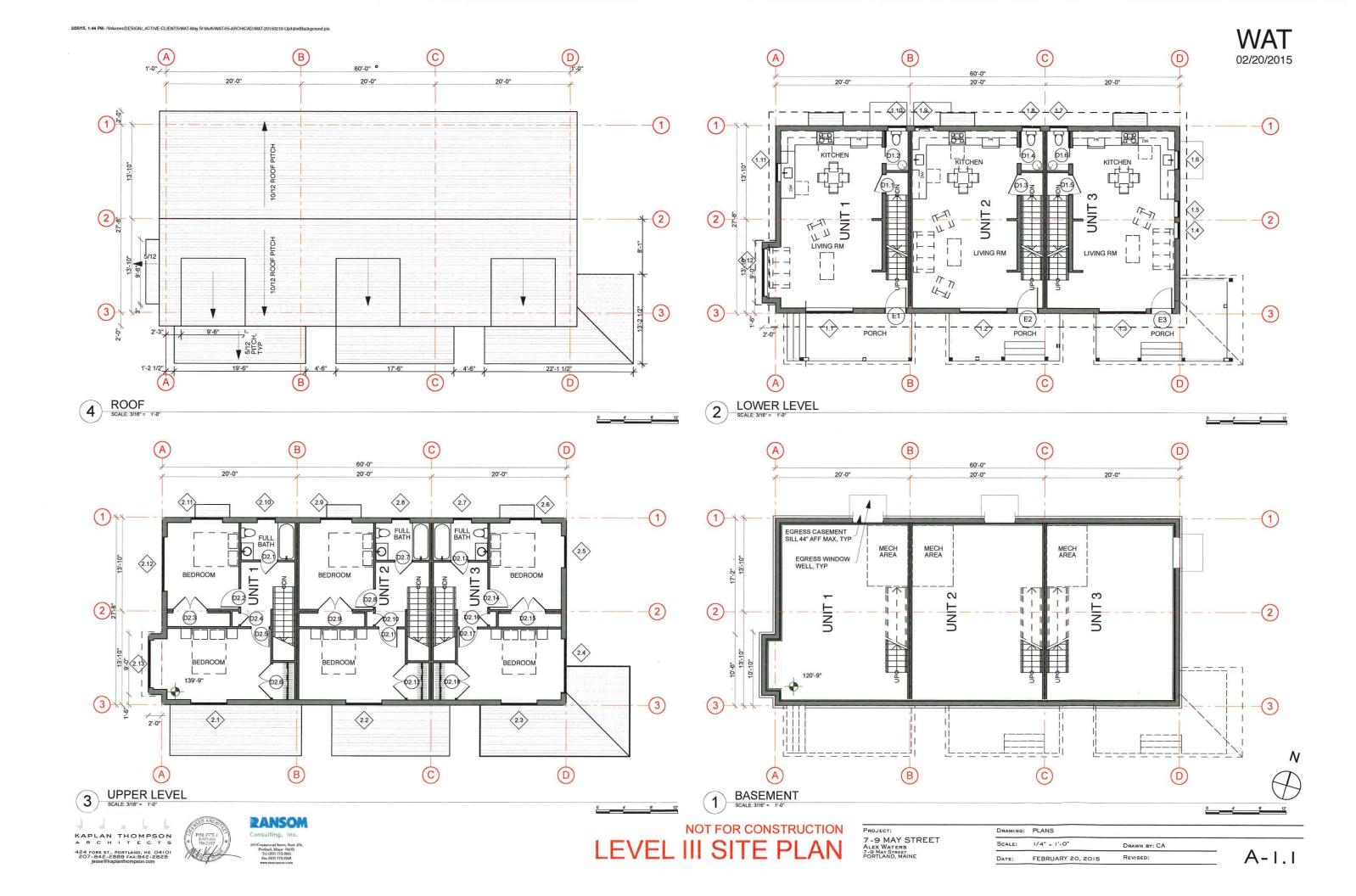
Fax (207) 772-3248

ISSUED FOR PERMITTING ONLY



ESC Details & Notes

City Permitting 2-19-1 Date SJB SJB MIL. 131.06132













PROJECT:
7 - 9 MAY STREET
ALEX WATERS
7 - 9 MAY STREET
PORTLAND, MAINE

 Drawing:
 ELEVATIONS

 Scale:
 1/4" = 1'-0"
 Drawn BY: CA

 Date:
 FEBRUARY 20, 2015
 REVISED:

A-2.1