Honorable Board of Aldermen Newton City Hall 1000 Commonwealth Avenue Newton, Massachusetts 02459

Ladies and Gentlemen:

In accordance with Section 2-6 (c) of the Newton City Charter, I hereby call for a SPECIAL MEETING of the Board of Aldermen to convene on the following date and time to deliberate and vote on the following matters and any other matter that may come before it:

WEDNESDAY, JUNE 19, 2013 AT 7:00 PM, IN THE ALDERMANIC CHAMBER

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#317-03(7) HIS HONOR THE MAYOR requesting authorization to appropriate the sum of eighty thousand three hundred three dollars (\$80,383) from the Shaw's/Hammond Pond Development Mitigation Fund for the purpose of implementing storm water management on an existing drainage pipe that runs across the Chestnut Hill Shopping Center, which is owned by C & R Management, to Hammond Pond. [06/10/13 @ 6:54 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#228-13 <u>HIS HONOR THE MAYOR</u> requesting the sum of two hundred fifty thousand dollars (\$250,000) be appropriated from bonded indebtedness for the purpose of purchasing snow melting equipment for the Department of Public Works. [06/10/13 @ 6:54 PM]

If the Board of Aldermen does not take an action on the below item at its meeting on Monday, June 17, 2013, it will be discussed.

REFERRED TO PUB. FACIL., PROG. & SERV. AND FINANCE COMMITTEES

#138-13 <u>HIS HONOR THE MAYOR</u> requesting authorization to appropriate an amount that is yet to be determined from bonded indebtedness for the purpose of funding the Carr School renovation project. [03/25/13 @ 3:58 PM]

APPROVED 12-0-2 (Fuller and Linsky abstaining)_

Very truly yours,

Scott F. Lennon, President

The location of this meeting is handicap accessible, and reasonable accommodations will be provided to persons requiring assistance. If you have a special accommodation need, please contact the Newton ADA Coordinator Trisha Guditz, 617-796-1156, via email at TGuditz@newtonma.gov or via TDD/TTY at (617) 796-1089 at least two days in advance of the meeting date.



City of Newton, Massachusetts Office of the Mayor

#317-03(7)

Telephone (617) 796-1100

Facsimile (617) 796-1113 TDD/TTY

(617) 796-1089

E-mail swarren@newtonma.gov

David A. Olson, C Newton, MA 02:

3 JUN 10 PM 6: 54

Newton City Clerk

June 10, 2013

Honorable Board of Aldermen Newton City Hall 1000 Commonwealth Avenue Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate the sum of \$80,383 from the Shaw's/Hammond Pond Development Mitigation Funds for the purpose of implementing stormwater management on an existing drainage pipe that runs across the Star Market property at Chestnut Hill Shopping Center and empties into Hammond Pond.

Thank you for your consideration of this matter.

Very vily yours,

Setti D. Warren

Mayor



City of Newton, Massachusetts

Department of Planning and Development 1000 Commonwealth Avenue Newton, Massachusetts 02459 Telephone (617) 796-1120 Telefax (617) 796-1142 TDD/TTY (617) 796-1089 www.newtonma.gov

Candace Havens Director

MEMORANDUM

June 6, 2013

TO:

Maureen Lemieux

David Olson, Clerk of the Board of Aldermen

FROM:

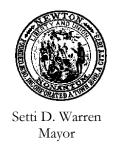
Candace Havens, Director of Planning and Development

4

SUBJECT:

Appropriation Docket for Hammond Pond Stormwater Improvements

On December 15, 2003 the Board of Aldermen granted a special permit to the Star Market Company for their location at Chestnut Hill Shopping Center. A condition of that permit required the petitioner to provide a grant to the City of Newton of \$150,000 for the purpose of implementing stormwater management on two existing drainage pipes running across the property and emptying into Hammond Pond. City staff is prepared to implement this project and is now requesting that the Board appropriate \$80,382.31 of these funds for the purpose of completing work on one of the two pipes. The Board accepted these funds in November 2012.



City of Newton, Massachusetts

Department of Planning and Development 1000 Commonwealth Avenue Newton, Massachusetts 02459 #317-03(7)
Telephone
(617) 796-1120
Telefax
(617) 796-1142
TDD/TTY
(617) 796-1089
www.newtonma.gov

Candace Havens
Director

WORKING SESSION MEMORANDUM

DATE: June 14, 2013

TO: Alderman Leonard J. Gentile, Chairman, Finance Committee

Alderman Anthony Salvucci, Chairman, Public Facilities Committee

Members of the Board of Aldermen

FROM: Candace Havens, Director of Planning and Development

James Freas, Chief Planner, Long-Range Planning

RE: #317-03(7): HIS HONOR THE MAYOR requesting authorization to appropriate

the sum of eighty thousand three hundred three dollars (\$80,383) from the Shaw's/Hammond Pond Development Mitigation Fund for the purpose of implementing storm water management on an existing drainage pipe that runs

across the Chestnut Hill Shopping Center, which is owned by C & R Management,

to Hammond Pond.

MEETING DATE: June 19, 2013

CC: David Turocy, Commissioner, Department of Public Works

Donnalyn Kahn, City Solicitor

John Lojek, Commissioner, Inspectional Services Department

Conservation Commission

INTRODUCTION

As part of a 2009 "Hammond Pond Stormwater Management Fund Agreement," dated September 21, 2009 Chestnut Hill Shopping Center, LLC, S.R. Weiner Associates, Inc., and Star Markets Company, Inc. agreed to establish a fund under the City of Newton's control for the purpose of installing stormwater treatment devices on two pipes running through the shopping center property and discharging into Hammond Pond. This agreement was a condition of a Special Permit that was granted to the above mentioned parties on December 15, 2003 (Board Order #401-03). The fund created under this agreement made \$150,000 available towards these stormwater improvements; this money was received by the City in November 2012. At this time, the City is prepared to move forward with

installation of treatment devices on one of the two pipes and is seeking approval of an appropriation of \$80,382.31 out of the \$150,000. This memo describes the proposed improvements and timeline for completion.

PROJECT DESCRIPTION

Working with consultants provided by Massachusetts Department of Transportation (DOT), the City Planning Department and the Engineering Division propose to have installed a custom-designed sedimentation chamber under the parking lot to treat the stormwater in the DOT pipe. City staff will oversee the installation process, coordinating with DOT and the property owner. A contractor was selected using a competitive bid process and the requested appropriation is based on the lowest bid by a competent contractor.

The project is moving under schedule that aims to have a contract in place by the beginning of July so that the work may be completed by July 19th, allowing the property owner to pave the parking lot, complete their construction and allow them to open for business as soon as possible, which will reduce the disruption in the area and benefit them, as well. City staff has been coordinating closely with representatives of both the property owner and DOT to achieve this schedule.

The proposed stormwater treatment device for the DOT pipe is different from that which was proposed in the agreement and Board Order referenced above. The proposed installation will achieve substantially the same outcomes as the forebay solution identified in the Board Order and agreement, and further, will avoid complications and expenses that were associated with the forebay proposal. The Commissioner of Inspectional Services has made a consistency determination that the proposal is in substantial compliance with the Board Order (attached).

City staff continues to make progress on a solution for the Department of Conservation and Recreation (DCR) pipe that is also a subject of the agreement and Board Order. Staff are again coordinating with the property owner and DCR to develop a solution and anticipate being able to bring forward an appropriation request for the remaining funds during the fall of this year.

ATTACHMENT A: Hammong Pond Stormwater Management Fund Agreement dated September 21, 2009

ATTACHMENT B: Consistency Ruling from Commissioner of Inspectional Services, John Lojek dated April 24, 2013

HAMMOND POND STORMWATER MANAGEMENT FUND AGREEMENT

This Agreement (the "Agreement") is entered into as of September 21, 2009 by and between the City of Newton, Massachusetts and its Conservation Commission (collectively, the "City"), by and through its Board of Alderman (the "Board") and Star Markets Company, Inc., S.R. Weiner Associates, Inc., and Chestnut Hill Shopping Center, LLC (collectively, "Shaw's").

WHEREAS, Shaw's intends to demolish and replace the existing Star Market located in the Chestnut Hill Shopping Center at 27 Boylston Street in Chestnut Hill (the "Property").

WHEREAS, Shaw's presented to the City its plans for redevelopment of the Property (the "Project") and described the Project in Shaw's request for certain permits and approvals from the City.

WHEREAS, the City, in Board Order No. 401-03, dated December 15, 2003, granted Shaw's a Special Permit to proceed with the Project subject to certain conditions, including Condition no. 4, which required this Agreement.

WHEREAS, as set out in said Condition no. 4, Shaw's desires to establish and fund an account under the control of the City that may be used to pay the cost of certain stormwater treatment and drainage improvements as described below, and the City has agreed to the establishment and funding of this account and its management by the City.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the City and Shaw's hereby agree as follows:

- 1. Within ten (10) days after the date on which Shaw's receives notice that the City Conservation Commission has voted to implement the remaining portions of the Hammond Pond Stormwater Management Master Plan, dated April 18, 2002 by Horsley and Witten (the "Master Plan"), Shaw's shall cause the sum of \$150,000 to be contributed to the City pursuant to the provisions of M.G.L. Chapter 44, Section 53A. Such sum shall be accounted for by the City as a special revenue fund (hereinafter referred to as the "Hammond Pond Stormwater Management Fund" or the "Fund"). The interest earned on the Fund shall be added to the Fund to be used for the same purposes. The City shall have exclusive control over the Fund and Shaw's shall have no claim on any monies remaining in the Fund at any time and no ability to direct the use of any sums in the Fund, except as specifically provided for by the parties in paragraph 4 below.
- 2. The Fund shall be used to help pay for the design, purchase, permitting, and installation of a Vortecnics unit to treat stormwater from Hammond Pond Parkway and the roof of the Chestnut Hill Mall prior to release into Hammond Pond, and a sedimentation forebay to trap sediment and debris from the Massachusetts Highway Route 9 storm drainage system prior to discharge into Hammond Pond, as described and set forth in the Master Plan (collectively, the "Improvements"). The purpose for which the Fund will be offered is to assist the City to complete the design, purchase, permitting, and installation of the Improvements as contemplated in the Master Plan and to mitigate prior impacts from the current grocery store on the Property and anticipated impacts from this Project in addition to the approved, adequate mitigation from this Project's new stormwater system. The parties hereto acknowledge that the City will use the Fund to pay for the aforementioned Improvements.

- 3. Each Improvement that is undertaken by the City with monies from the Fund shall be constructed or operated by the City or by a contractor engaged by the City. Shaw's shall not construct, manage, or operate any Improvement and shall have no responsibility therefore. The Public Works Department of the City, through the Conservation Commission, shall request the Mayor to make an appropriation request of the Board of Alderman from the Fund for any aforementioned Improvement.
- 4. The City and Shaw's hereby acknowledge that the City shall use the Fund monies to pay for the aforementioned Improvements on or before the passage of five years from the date herein. Any monies remaining in the Fund after the passage of five years from the date herein shall be returned by the City to Shaw's.
- 5. This Agreement represents the entire agreement of the parties with respect to the matters set forth herein, and any prior oral or written agreements between the parties hereto with respect to such matters shall have no further force or effect.
- 6. The covenants, agreements, terms, and conditions contained in this Agreement shall extend to and be binding upon the parties hereto and their respective successors and assigns.
- 7. This Agreement shall be governed by and constructed in accordance with the laws of the Commonwealth of Massachusetts.

Executed as a sealed instrument on the day and year first above written.

	City of Newton	Star Markets Company, Inc.
	By: Daine & By	MRY: WED
	Title: Like	Title: THE PRESTURN!
.gs		
		S.R. Weiner Associates, Inc.
	•	5.R. Weiner Associates, inc.
		By: Ki Killer and But
	•	Title: Exec VP
		Title: C/OC VI
		Chestnut Hill Shopping Center, LLC
		By: KI charge Williams
		Title: VP

COMMONWEALTH OF MASSACHUSETTS

NORFOLK M IDDLESI X, SS	October 14	
Then personally appeared the above-named _	Richard A. Marks*	as aforesaid,
and acknowledged the foregoing instrument to be the and <u>said llc</u> , before me.	tree act and deed of said	<u>corporation</u>
*as Executive Vice President of S.R. Weiner & As Chestnut Hill Shopping Center, LLC,	Notary Public GAIL A. Notar COMMONWEALTH My Comm	SULLIVAN ry Public

[INSERT MORE NOTARY PAGES BELOW]

STATE OF MINNESOTA)
)ss
COUNTY OF HENNEDIN	``

The foregoing instrument was acknowledged before me this _____ day of September, 2009, by John P. Breedlove, Vice President of Star Markets Company, Inc., a Massachusetts corporation, on behalf of said corporation.

otary Public



COMMONWEALTH OF MASSACHUSETTS)
) ss
COUNTY OF MIDDLESEX)

On this 15th day of October, 2009, before me, the undersigned notary public, personally appeared <u>David B. Cohen</u>, proved to me through satisfactory evidence of identification, which was <u>personal knowledge</u>, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily as Mayor of the City of Newton for its stated purpose.

Notary Public

My Commission Expires

Attachment B



Mayor

City of Newton, Massachusetts

Department of Planning and Development 1000 Commonwealth Avenue Newton, Massachusetts 02459

Telefax (617) 796-1142 TDD/TTY (617) 796-1089 www.newtonma.gov

Candace Havens **Director**

MEMORANDUM

DATE:

April 24, 2013

TO:

John Lojek, Commissioner of Inspectional Service

FROM:

James Freas, Chief Planner for Long Range Planning

SUBJECT:

Consistency Determination for Board Order No. 401-03 (Hammond Pond

Stormwater Improvements)

CC:

Candace Havens, Director of Planning & Community Development

Anne Phelps, Senior Environmental Planner

As part of a 2009 "Hammond Pond Stormwater Management Fund Agreement", dated September 21, 2009, Chestnut Hill Shopping Center, LLC, S.R. Weiner Associates, Inc., and Star Markets Company, Inc. agreed to establish a fund under the City of Newton's control for the purpose of installing stormwater treatment devices on two pipes running through the shopping center property and discharging into Hammond Pond. This agreement was a condition of a Special Permit that was granted to the above mentioned parties on December 15, 2003 (Board Order No. 401-03). The fund created under this agreement made \$150,000 available towards these stormwater improvements and this money was received by the City in November, 2012. This memo describes the proposed improvements as they relate to the specifications of the Board Order and Agreement and requests a consistency determination so that this project may proceed as planned.

The Board Order, relying on the Hammond Pond Stormwater Management Master Plan, identifies specific treatment devices for each pipe, as shown below:

Prior to the issuance of a temporary Certificate of Occupancy for the grocery store, the Petitioner shall execute an Agreement with the City of Newton, to be recorded in the Registry of Deeds, which shall obligate the Petitioner to offer a Grant to the City of Newton in the amount of \$150,000 to help pay for the design, purchase, permitting and installation of a Vortecnics unit to treat stormwater from Hammond Pond Parkway and the roof of the Chestnut Hill Mall prior to release into Hammond Pond and a sedimentation forebay to trap sediment and debris from the Mass Highway Route 9 storm drainage system prior to discharge into Hammond Pond as described and set forth in the Hammond Pond Stormwater Management Master Plan dated April 18, 2002 by Horsley and Witten. The purpose for which the Grant will be offered is to assist the City to complete the design, purchase, permitting and installation of those aforementioned items as contemplated in the Master Plan and to mitigate prior and anticipated impacts from this Special Permit Project in addition to the approved, adequate mitigation from this Project's new stormwater system. The Agreement will provide that the Grant will be made when the Conservation Commission votes to implement the remaining portions of the Hammond Pond Stormwater Management Master Plan, and that the Grant funds will be paid to the City upon acceptance by the Board of Aldermen of the City of Newton.

The Hammond Pond Stormwater Management Fund agreement was entered into by the City and representatives of the Shopping Center on September 21, 2009 and mirrors the requirements outlined in the Board Order above while laying out specific timelines and responsibilities for the parties involved (see attached). The deadline for completion of the improvements is five years from the date above, September 21, 2014.

As Conservation Commission staff prepared to implement the required improvements, it was determined that the specific stormwater devices identified in the Board Order might need to be modified. In particular, the in-pond sedimentation forebay for the Route 9 drainage pipe, owned by MA Department of Transportation (DOT), would have wetlands impacts requiring a permit from the Conservation Commission and necessary mitigation on site for which there is limited available space. In the case of the proposed Vortecnics unit for the MA Department of Conservation and Recreation (DCR) pipe, DCR has proposed using a Stormceptor unit, which is a different brand of proprietary system, of which several are available on the market, all of which are intended to achieve similar results.

Working with DOT and DCR, the City Planning Department and the Engineering Division propose to install a custom-designed sedimentation chamber under the parking lot to treat the stormwater in the DOT pipe, achieving substantially the same outcomes as the forebay solution defined in the Board Order. On the DCR pipe, City staff is reviewing the proposed Stormceptor unit, as compared to a Vortechnics unit, to identifying which of the two will provide the optimum treatment outcome for removal of both particles and phosphorus. For each pipe, the intent of the Board Order will be met within the available funding.

The proposed work is consistent with Board Order No. 401-03.

ohn Lojek

Commissioner of Inspectional Services

ATTACHMENT

HAMMOND POND STORMWATER MANAGEMENT FUND AGREEMENT

This Agreement (the "<u>Agreement</u>") is entered into as of September 21, 2009 by and between the City of Newton, Massachusetts and its Conservation Commission (collectively, the "<u>City</u>"), by and through its Board of Alderman (the "<u>Board</u>") and Star Markets Company, Inc., S.R. Weiner Associates, Inc., and Chestnut Hill Shopping Center, LLC (collectively, "<u>Shaw's</u>").

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WHEREAS, Shaw's presented to the City its plans for redevelopment of the Property (the "Project") and described the Project in Shaw's request for certain permits and approvals from the City.

WHEREAS, the City, in Board Order No. 401-03, dated December 15, 2003, granted Shaw's a Special Permit to proceed with the Project subject to certain conditions, including Condition no. 4, which required this Agreement.

WHEREAS, as set out in said Condition no. 4, Shaw's desires to establish and fund an account under the control of the City that may be used to pay the cost of certain stormwater treatment and drainage improvements as described below, and the City has agreed to the establishment and funding of this account and its management by the City.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the City and Shaw's hereby agree as follows:

- 1. Within ten (10) days after the date on which Shaw's receives notice that the City Conservation Commission has voted to implement the remaining portions of the Hammond Pond Stormwater Management Master Plan, dated April 18, 2002 by Horsley and Witten (the "Master Plan"), Shaw's shall cause the sum of \$150,000 to be contributed to the City pursuant to the provisions of M.G.L. Chapter 44, Section 53A. Such sum shall be accounted for by the City as a special revenue fund (hereinafter referred to as the "Hammond Pond Stormwater Management Fund" or the "Fund"). The interest earned on the Fund shall be added to the Fund to be used for the same purposes. The City shall have exclusive control over the Fund and Shaw's shall have no claim on any monies remaining in the Fund at any time and no ability to direct the use of any sums in the Fund, except as specifically provided for by the parties in paragraph 4 below.
- 2. The Fund shall be used to help pay for the design, purchase, permitting, and installation of a Vortecnics unit to treat stormwater from Hammond Pond Parkway and the roof of the Chestnut Hill Mall prior to release into Hammond Pond, and a sedimentation forebay to trap sediment and debris from the Massachusetts Highway Route 9 storm drainage system prior to discharge into Hammond Pond, as described and set forth in the Master Plan (collectively, the "Improvements"). The purpose for which the Fund will be offered is to assist the City to complete the design, purchase, permitting, and installation of the Improvements as contemplated in the Master Plan and to mitigate prior impacts from the current grocery store on the Property and anticipated impacts from this Project in addition to the approved, adequate mitigation from this Project's new stormwater system. The parties hereto acknowledge that the City will use the Fund to pay for the aforementioned Improvements.

- Each Improvement that is undertaken by the City with monies from the Fund shall 3. be constructed or operated by the City or by a contractor engaged by the City. Shaw's shall not construct, manage, or operate any Improvement and shall have no responsibility therefore. The Public Works Department of the City, through the Conservation Commission, shall request the Mayor to make an appropriation request of the Board of Alderman from the Fund for any aforementioned Improvement.
- The City and Shaw's hereby acknowledge that the City shall use the Fund monies to pay for the aforementioned Improvements on or before the passage of five years from the date herein. Any monies remaining in the Fund after the passage of five years from the date herein shall be returned by the City to Shaw's.
- This Agreement represents the entire agreement of the parties with respect to the 5. matters set forth herein, and any prior oral or written agreements between the parties hereto with respect to such matters shall have no further force or effect.
- The covenants, agreements, terms, and conditions contained in this Agreement shall extend to and be binding upon the parties hereto and their respective successors and assigns.
- This Agreement shall be governed by and constructed in accordance with the laws 7. of the Commonwealth of Massachusetts.

Executed as a sealed instrument on the day and year first above written.

City of Newton	Star Markets Company, Inc.
By: Datul 93 Sol	Title: VICE PRESIDENT
	S.R. Weiner Associates, Inc. By: Rule Ofec VP Title:
	Chestnut Hill Shopping Center, LLC By: Title:

Title: _



City of Newton, Massachusetts Office of the Mayor

Telephone (617) 796-1100

Facsimile (617) 796-1113

TDD/TTY (617) 796-1089

E-mail swarren@newtonma.gov

June 10, 2013

Honorable Board of Aldermen Newton City Hall 1000 Commonwealth Avenue Newton, MA 02459 David A. Olson, CMC Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate the sum of \$250,000 and authorize a general obligation borrowing of an equal amount for the purpose of purchasing Snow Melting Equipment for the Department of Public Works in accordance with the FY2014 Capital Improvement Plan.

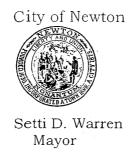
Thank you for your consideration of this matter.

Very truly yours,

etti D. Warren

Mayor

DEDICATED TO COMMUNITY EXCELLENCE



DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE COMMISSIONER

1000 Commonwealth Avenue Newton Centre, MA 02459-1449

April 12, 2013

To:

Mayor Setti D. Warren

From: David F. Turocy, Commissioner of Public Works

Via:

Robert R. Rooney, Chief Operating Officer

Maureen Lemieux, Chief Financial Officer

Re:

Request to Appropriate Funds for Capital Equipment

I write to request you docket with the Honorable Board of Aldermen to appropriate funds for the purchase of a Snow Melter for the Department of Public Works.

This piece of equipment costs \$250,410 and will be purchased off the Massachusetts State contract, Greater Boston Police Council Cooperative Procurement Program/MAPC.

This snow melter will reduce snow hauling costs during snow storms by allowing the DPW to stockpile more snow in village and school parking lots, rather than hauling all of it to off-site locations. This machine will then be used to melt the snow on-site in order to minimize impact on parking. In addition, this machine will prevent expensive annual restoration to parks and playground areas that are currently used for snow storage.

This machine is portable and can be taken from site to site. DPW officials have witnessed demonstrations of different models of snow melters and believe this unit best fits our needs.

Please forward this request to the Board of Aldermen for their consideration.

cc:

D. Wilkinson, Comptroller

R. Mendes, DPW Business Manager

R. Russell, Utilities Director

Telephone: 617-796-1011 • Fax: 617-796-1050 •

dturocy@newtonma.gov

Minuteman Trucks, Inc.

2181 Providence Hwy. * Walpole, MA 02081 508.668.3112 * www.MinutemanTrucks.com * 800.225.4808

Presented in accordance with Greater Boston Police Council Cooperative Procurement Program/MAPC.

Contract# IFB#GBPC_2011_INT1 Pricing valid through: October 31, 2013 Current contract available upon request.

Snow Melter

CITY OF NEWTON

Page 1 of 1

RON MAHAN			DATE	<i>P</i>	April 5, 2013
Public Works Department					•
(617) 796-1480					
Based on our previous discussions,	, I have prepared th	ne following proposal for y	our review.		
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,	CON	RACHIMEMS = Truck			
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NOTE:		ř			
Municipality:		Auth Signature			·
City Of Newton		•			
		Name			
		A 41 G1 4			
Minuteman Trucks, Inc.		Auth Signature			
Dominick La Gambina TEL: 617-901-8801		PO #:			
EMAIL:		10π			
2.2.2.2.			 		



SPECIFICATIONS:

Melting Capacity*: 30 Tons/hr (100 - 300 Cubic yds/hr)

Outside Ambient Temp: 32°F (0°C)

Burner Output: 9,000,000 BTU/hr

Fuel Type: #1 and #2 Diesel, Jet "A" fuel. Stationary melters can run on

Fuel Usage: 40 - 60 US Gallons per hour (151 – 227 Liters per hour)

Natural Gas or Propane

Fuel Capacity: 550 US Gallons (2,082 Liters)

Water Discharge Rate: Approx 130 Gallons per min (493 Liters per minute)

Water Discharge Temp: 35°-60°F (1.6°C-15°C)

Water Tank Capacity (up to): 1,300 US Gallons (4921L) 420 Gallons for Travel Level Only

Weights (Approx):

Empty: 19,335 lbs (8770 kgs)
With Fuel: 23,350 lbs (10591 kgs)
With Fuel & Water (Fuil):
32,120 lbs (14569 kgs)
With Fuel & Water (Travel Level):
24,000 lbs (10886 kgs)

Dual Snow Loading Access: 9' w x 7'3" h (2.743m x 2.21m)

Measurements (approx): 27' long x 8' 4" wide x 8' 6" high (8.230m x 2.540m x 2.591m)

Towing Speed Empty: 65 MPH (104 km/h)

Towing Speed with Fuel: 55 MPH (88 km/h)

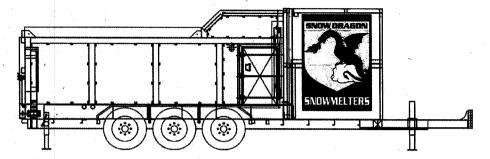
Towing Speed with Fuel & Water: 50 MPH (80 km/h)**

* Altitude de-rate starts at 1000' elevation. ** Based on travel drain level.

OPTIONS:

- · Stainless Steel Melt Pan & Hopper.
- Side Directional Discharge.
- Double Wall Fuel Tank.
- Custom Painting and/or Decals.
- Removable Debris Baskets.
- Long Term Service contract.

SNDEOU DATA SHEET



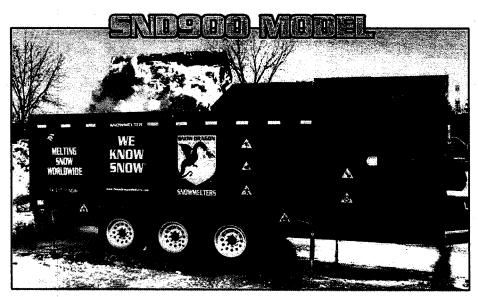
The equipment specifications shown below are for the SND900 mobile snowmelter. This model can also be fabricated as a stationary unit with abilities for direct power and fuel hook up. As a manufacturing and engineering firm, we customize options to your specifications. Please contact your local distributor or SND Sales for additional information.

5ND900 SNOWMELTER STANDARD EQUIPMENT:

- NEC (National Electric Code) and NFPA (National Fire Protection Association) compliant.
- Automatic ignition diesel fired 9,000,000 btu/hr packaged burner.
- Patented (#7,814,898) engineered heat exchanger tubes.
- Burners will run on #1 Diesel, #2 Diesel & Jet "A" fuel. Natural Gas and Propane if stationary.
- 550 US Gallon (2082 liters) fuel tank, approx 8-10 hours of operation.
- · In line fuel heater.
- Standard heavy gauge mild steel melting pan and tank with structural steel supports.
- Snow loading access on both sides, each 9' wide x 7'3" high (2.m x 2.2m).
- Operating enclosures with lockable access door protecting equipment including burner, water pump spray system, and generator.
- · Quiet operation.
- · Three (3) clean out hatches for easy cleaning.
- Heavy duty tri-axle trailer with electric brakes, turn signals, marker lights with pintal hook for towing arrangements.
- Wood rail guards positioned on the melter to prevent damage to loading sides.
- Self contained diesel fired 35KW generator located inside the heated enclosure.
- Generator battery charger.
- Auxiliary power plug is wired to power the battery charger, generator block heater, and control panel heater.
- NEMA 4/12 main control panel with temperature controller, visual and audible alarm indication, pilot controls, indicators, gauges, relays and terminals.
- · Key switch to engage battery power.
- Emergency shut down buttons located on both sides of the melter.
- Two (2) 330 gallons/min (1249 liters/min) water recirculating pumps.
- Two (2) high pressure spray bars around the inside of the hopper to circulate and spray warm water onto loaded snow.



The Snow Dragon SND900 Model is designed for use at strip malls, schools, stadium fields and parking lots. It's the ideal configuration for landscapers and snow removal contractors as well as municipalities for city and residential streets.

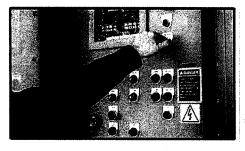


The SND900 is rated at economically melting 30 tons of snow per hour (100-300 cubic yards per hour) - Based on 100% of the Latent Heat of Ice. This model is a commercially rugged unit fabricated on a tri-axle trailer and can be towed from site to site for multiple melting locations in one night. Measuring twenty-seven feet long and less than eight and a half feet wide, it is capable of fitting in tight places.

The SND900 has been engineered to be a low maintenance, easily operated, extremely mobile unit. The heated operating enclosure has two double doors on both sides for easy access. The enclosure protects the burner, generator, water pump system and other major components from harsh winter elements. Also, the control panel is fabricated into the door so it can be easily accessed from the outside.

Easy access side loading, from both sides, is one feature of the SND900. The melting hopper tank measures a total of fifteen feet long with a nine foot length (2.74 meters) area for dumping snow. This allows the loader operator to not be restrictive when setting up the equipment for loading purposes. Other features include one-man operation capability, the same guy loading it can also operate the melter.

All Snow Dragon snowmelters are manufactured for easy operation - few buttons to turn it on and one button to turn it off! Plug and play components, quiet operation, off the shelf parts, and visual and audible alarm indication are just a few other features with Snow Dragon Snowmelters.







When looking at your snow removal process, Snow Dragon Snowmelters can offer up to 50% savings on your overall cost compared to hauling. Melting snow on-site has become more attractive to many due to the variable costs associated with hauling and dumping snow, increasing gas costs, scarcity of dump sites, and environmental issues with hauling.

Call today to learn how Snow Dragon offers you better tools for managing your snow removal process!