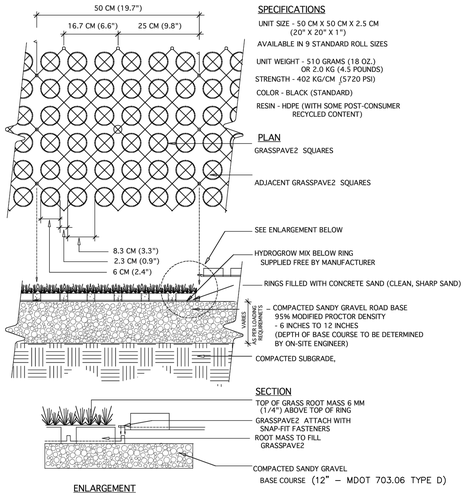
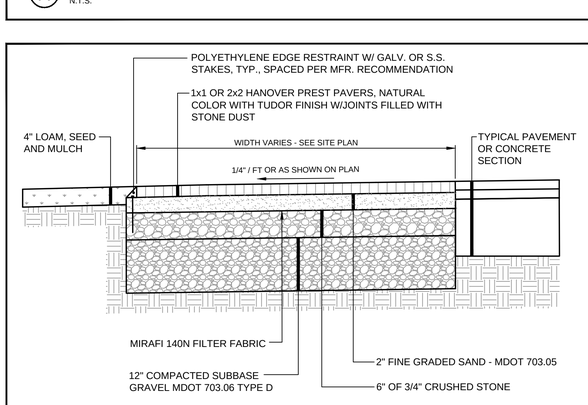
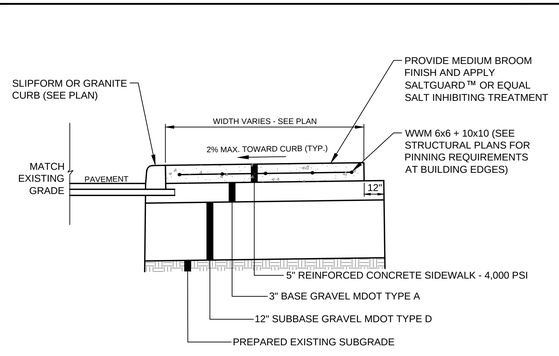


NOTE: GRASS/PLANT TYPES SHALL BE SPECIFIED BY A LANDSCAPE ARCHITECT OR LANDSCAPE DESIGNER.

A GRASSPAVE2 DETAIL
N.T.S.



B TYPICAL PAVER DETAIL
N.T.S.



NOTE:
INSTALL CONSTRUCTION JOINTS AT 12' SPACING.

C CONCRETE SIDEWALK DETAIL
N.T.S.

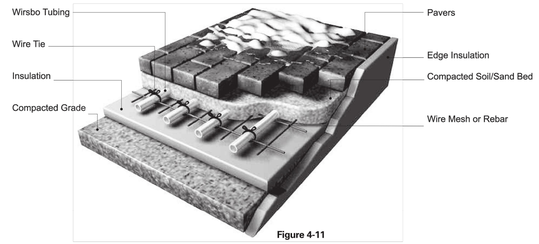


Figure 4-11

Pavers Over a Compactable Soil/Sand Bed

Application

This method is for designs with light vertical load requirements. With insulation, the heated area is isolated from high movement of energy from the system to the surrounding frozen soil. Response time is fairly quick and even faster if the system is idled.

Where Used

This installation is applicable to the following applications.

- Sidewalks
- Driveways
- Low-density roads

How to Install

There are two ways to install the tubing over the high-density insulation. As shown in **Figure 4-11**, secure the tubing to the wire mesh or rebar which has been placed over the high-density insulation board. In the alternative method, secure the tubing to the high-density insulation using Wirsbo plastic staples with the manual stapler.

Install vertical insulation along the entire edge down to the depth of the horizontal insulation. The insulation creates a thermal break between the heated area and the frozen ground.

After installing the tubing, cover with a compactable soil/sand bed (typically 2 to 3 inches) prior to applying pavers or bricks.

What to Look For

- Make sure the base material is properly compacted as specified by the project engineer.
- Verify whether a high water table or moist soil conditions exist within 8 to 10 vertical feet of the snow and ice melting system. If found, isolate the system from the moisture.
- Using approved insulation with vertical compressive strength is critical. Consult with the insulation manufacturer or project engineer for recommendations.
- Supply water temperatures for this application should be no higher than 150°F.

Control Strategy

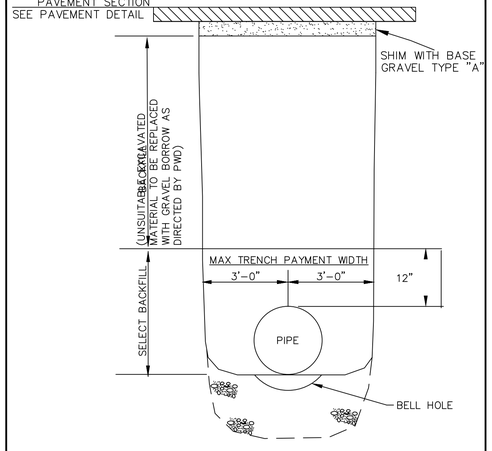
Use the semi- or fully automatic strategy for this installation method.

NOTE:

SNOWMELT SYSTEM INSTALLATION TO BE COORDINATED WITH MEP PLANS AND CITY OF PORTLAND PUBLIC WORKS (WHEN SYSTEM IS IN THE R.O.W.).

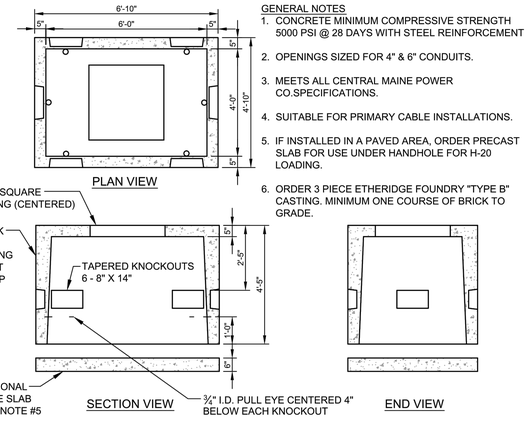
WIRSBO
Life. Safety. Comfort Systems

D SNOWMELT PAVER DETAIL
N.T.S.



E TYPICAL WATER TRENCH DETAIL
N.T.S.

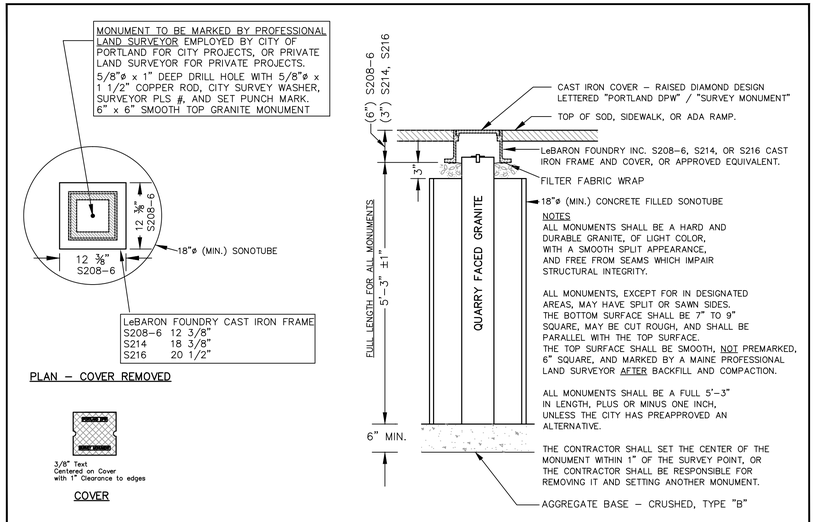
VACANT
N.T.S.



GENERAL NOTES

1. CONCRETE MINIMUM COMPRESSIVE STRENGTH 5000 PSI @ 28 DAYS WITH STEEL REINFORCEMENT
2. OPENINGS SIZED FOR 4" & 6" CONDUITS.
3. MEETS ALL CENTRAL MAINE POWER CO.SPECIFICATIONS.
4. SUITABLE FOR PRIMARY CABLE INSTALLATIONS.
5. IF INSTALLED IN A PAVED AREA, ORDER PRECAST SLAB FOR USE UNDER HANDHOLE FOR H-20 LOADING.
6. ORDER 3 PIECE ETHERIDGE FOUNDRY "TYPE B" CASTING. MINIMUM ONE COURSE OF BRICK TO GRADE.

F SPLICE BOX DETAIL
N.T.S.



NOTES
ALL MONUMENTS SHALL BE A HARD AND DURABLE GRANITE, OF LIGHT COLOR, WITH A SMOOTH SPLIT APPEARANCE, AND FREE FROM SEAMS WHICH IMPAIR STRUCTURAL INTEGRITY.

ALL MONUMENTS, EXCEPT FOR IN DESIGNATED AREAS, MAY HAVE SPLIT OR SAWN SIDES. THE BOTTOM SURFACE SHALL BE 7" TO 9" SQUARE, MAY BE CUT ROUGH, AND SHALL BE PARALLEL WITH THE TOP SURFACE. THE TOP SURFACE SHALL BE SMOOTH, NOT PREMARKED, 6" SQUARE, AND MARKED BY A MAINE PROFESSIONAL LAND SURVEYOR AFTER BACKFILL AND COMPACTION.

ALL MONUMENTS SHALL BE A FULL 5'–3" IN LENGTH, PLUS OR MINUS ONE INCH, UNLESS THE CITY HAS PREAPPROVED AN ALTERNATIVE.

THE CONTRACTOR SHALL SET THE CENTER OF THE MONUMENT WITHIN 1" OF THE SURVEY POINT, OR THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING IT AND SETTING ANOTHER MONUMENT.

G GRANITE STREET MONUMENT DETAIL
N.T.S.

Stantec
482 Payne Road Scarborough Court
Scarborough, Maine 04074-8929
Tel. 207.883.3355
www.stantec.com

Consultants
ARCHITECT
ARCHETYPE
LANDSCAPE ARCHITECT
MOHR & SEREDIN
SURVEYOR
OWEN HASKELL
CONTRACTOR
CIANBRO

Notes

Revision	By	Appd.	YY.MM.DD
4 ISSUED FOR CONSTRUCTION FINAL PLANS	SRB	SRB	17.10.20
3 REVISED PER CONDITIONS OF APPROVAL/RELEASED FOR BIDDING	SRB	SRB	17.10.10
2 RESUBMITTED FOR FINAL SITE PLAN REVIEW PRIOR TO OCT. 4, 2017 PUBLIC HEARING	SRB	SRB	17.09.26
1 FINAL SITE PLAN REVIEW	SRB	SRB	17.08.08

File Name: 195350450_det	DWN.	DBS	SRB	17.07.12
P.E. STEPHEN R. BUSHEY	DWN.	CHKD.	DSGN.	DATE

Permit-Seal

Client/Project
0 HANCOCK STREET LLC

THAMES STREET SITE
PORTLAND, MAINE

Title
MISCELLANEOUS DETAILS

Project No.	Scale
195350450	N.T.S.

Sheet
C-6.4

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