BRICKS TO BE USED:

NEW CONSTRUCTION:
4"X8" PINE HALL PATHWAY PAVER BRICK, MFG. BY PINE HALL BRICK CO., MADISON, NORTH CAROLINA. LACHANCE ITEM #193623, PINE HALL PATHWAY PAVER BRICK.

REPAIR/MAINTENANCE TO EXISTING BRICK SIDEWALKS: VERMONT PAVER, SUPPLIED BY GAGNE AND SONS. SPECIFICATION NUMBER "VERMONT BACKER BRICK", ITEM NO. #VBBB

BRICK DRIVEWAY APRON WITH BITUMINOUS BASE
NOT TO SCALE

BRICKS TO BE USED:

NEW CONSTRUCTION:
4"X8" PINE HALL PATHWAY PAVER BRICK, MFG. BY PINE HALL BRICK CO., MADISON, NORTH CAROLINA. LACHANCE ITEM #193623, PINE HALL PATHWAY PAVER BRICK.

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BRICK SIDEWALK WITH BITUMINOUS BASE
NOT TO SCALE

NOTE:
MATCH GRADE OF EXISTING DRIVEWAY AT R.O.W. LINE, EXCEPT WHEN DIRECTED OTHERWISE BY CITY ENGINEER.

DRIVEWAY APRON LAYOUT
NOT TO SCALE

NOTES:
1.INSTALL BACKFLOW VALVE WITH RUBBER SEAL IN EACH FOUNDATION DRAIN SERVICE.
2. IF SUMP PUMP IS UTILIZED INSTALL CHECK VALVE AT SUMP PUMP.

SEWER / FOUNDATION DRAIN SERVICE CONNECTION
NOT TO SCALE

TYPICAL PAVEMENT JOINT
NOT TO SCALE

NOTE:
FILTER COURSE MUST BE A MINERAL SOIL MEETING SPECIFICATION WITHIN TABLE 7.7.3. BELOW.

TABLE 7.7.3– MDOT SPEC FOR AGGREGATE (MDOT #703.01)	
SIEVE SIZE	% BY WEIGHT
½"	100
#4	95–100
#8	80–100
#16	50–85
#30	25–60
#60	10–30
#100	2–10
#200	0–5 (8–10% PREFERRED)

PERVIOUS PAVER SECTION DETAIL
NOT TO SCALE

TYPICAL TIPDOWN CURB INSTALLATION
NOT TO SCALE

TYPICAL WATER SERVICE CONNECTION
NOT TO SCALE

EXISTING BASIN

NEW INSTALLATION

SILT SACK PROTECTION

NOTES:

PRIOR TO FINAL GRADING AND PAVING OPERATIONS BEGIN, A CATCH BASIN INSERT (SUCH AS A SILT SACK OR A DANDY BAG II) MUST BE INSTALLED IN EACH BASIN PER MANUFACTURES INSTRUCTIONS. HAY BALES SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

CATCH BASIN EROSION CONTROL INSERT
NOT TO SCALE

TYPICAL TRENCH SECTION
NOT TO SCALE

NOTES:

1. COMPACT GRAVEL SUBBASE COURSE TO 92% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.

2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

CITY OF PORTLAND LOCAL ST. SECTION
NOT TO SCALE

BIKE HITCH — Specifications and Space Use

Product — Dero Bike Hitch. As manufactured by Dero Bike Racks

Capacity — 2 Bikes

Materials — Centerbeam: 2" schedule 40 pipe (2.375" OD). Ring: 1.5" OD 11 gauge tube

Finishes — An after fabrication hot dipped galvanized finish is standard. 250TGIC powder coat option, a thermoplastic coating and a stainless steel option are also available.

Our powder coat finish assures a high level of adhesion and durability by following these steps:
1. Sandblast
2. Iron phosphate pretreatment
3. Epoxy primer electrostatically applied
4. Final thick TGIC polyester powder coat

Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

A rubbery PVC Dip is also available

Installation Methods — **In-ground mount** is embedded into concrete base. **Surface mount** has one 5" x 6" floor which is anchored to the ground with four anchors (included with rack).

Space Use and Setbacks

Wall Setbacks:
For racks set parallel to a wall:
Minimum: 12"
Recommended: 24"

For racks set perpendicular to a wall:
Minimum: 35" (centerline measurement)
Recommended: 38" (54" if aisle is needed between bike and wall)

Distance Between Racks:
Minimum: 24"
Recommended: 38"

Street Setbacks:
Minimum: 36"

DERO BIKE RACKS — www.dero.com — 1-800-328-4916

DATE: AUGUST 2009	CITY OF PORTLAND, MAINE TECHNICAL STANDARDS MANUAL	TRANSPORTATION SYSTEMS AND STREET DESIGN SECTION I	FIGURE:
REVISED:	BICYCLE RACK SPECIFICATION - BIKE HITCH		I-33a

NOTES:

16"ø EXPANDABLE TREE OPENING. 0.25" SLOT OPENINGS.

SIDEWALK MATERIAL PER CITY SIDEWALK MATERIAL POLICY.

WHEN THE TREE GRATE IS INSTALLED IN A CONCRETE SIDEWALK, A NOTCH MUST BE INSTALLED ALONG THE EDGE TO HOLD THE GRATE, WHEN INSTALLED IN A BRICK SIDEWALK IT REQUIRES A FRAME TO BE INSTALLED TO HOLD THE GRATE IN PLACE.

PLAN VIEW

EXPANDABLE TREE GRATE NEENAH MODEL R–8810
NOT TO SCALE

http: //www.nfco.com/literature/TreeGrateCatalog22/Avenue.pdf

DATE: MARCH 2011	CITY OF PORTLAND, MAINE TECHNICAL STANDARDS MANUAL	STDS FOR LANDSCAPING AND PRESERVATION OF EXISTING VEGETATION SECTION IV	FIGURE:
REVISED:	EXPANDABLE TREE GRATE FOR NARROW RESIDENTIAL URBAN STREETS		IV-4A

CITY OF PORTLAND RESURGAM

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 10/27/17

NO.	DATE

PROJECT NAME: 7 CUMBERLAND AVE. PORTLAND MAINE

SHEET NAME: DETAILS

PROJECT NO. 17004
DRAWING NO. 17004 B
FIELDBOOK:
SCALE:
DATE ISSUED: __-__-__

DESIGNED: ARCHITECT
DRAWN: JHW
CHECKED: JHW
APPROVED: JHW
PLAN DATE: FEB. 22, 2017

CLIENT & OWNER:
BANNER PROPERTIES, LLC
100 LANDMARK DRIVE
FALMOUTH, ME 04105

Plymouth Engineering, Inc.
P.O. Box 46 30 Lower Detroit Road
Plymouth, Maine 04969
Tel: (207) 257–2071 Fax: (207) 257–2130
info@plymouthengineering.com
www.plymouthengineering.com

STATE OF MAINE — WHITEN OR NOT TO WHITEN — LICENSED

DRAWINGS NOT SEALED ARE FOR PLANNING PURPOSES ONLY AND ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION

SHEET 5 OF 5

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