



Heated Surfaces

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PaveDrain

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What is PaveDrain?

P-ACB

Permeable Articulating Concrete Block

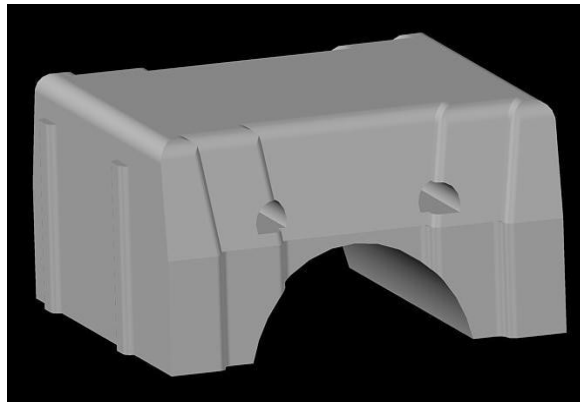
OK...What is PaveDrain??



What is PaveDrain?

□ It's a *PERMEABLE*
Articulating Concrete Block

(P-ACB)



Individual Block:
12" x 12" x 5.65"
45 – 65 Lbs. Ea.



Designation: D 6684 – 04

Standard Specification for Materials and Manufacture of Articulating Concrete Block (ACB) Revetment Systems¹

This standard is issued under the fixed designation D 6684; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last approval. A superscript letter (a) indicates an editorial change since the last revision or approval.

1. Scope

1.1 The purpose of this Standard is to provide specifications for articulating concrete block (ACB) revetment system structural components, material composition and physical properties, manufacturing methods and testing requirements.

1.2 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use.

2. Referenced Documents

- 2.1 *ASTM Standards*¹
- C 33 Specification for Concrete Aggregates
 - C 39 Test Method for Compressive Strength of Cylindrical Concrete Specimens
 - C 42 Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
 - C 67 Test Methods for Sampling and Testing Brick and Structural Clay Tile
 - C 140 Test Methods of Sampling and Testing Concrete Masonry Units and Related Units
 - C 150 Specification for Portland Cement
 - C 207 Specification for Hydrated Lime for Masonry Purposes
 - C 331 Specification for Lightweight Aggregates for Concrete Masonry Units
 - C 595 Specification for Blended Hydraulic Cements
 - C 618 Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolans for use as a Mineral Admixture in Concrete
 - C 666 Test Method for Resistance of Concrete to Rapid Freezing and Thawing

¹ This specification is under the jurisdiction of ASTM Committee D11 on Soil and Rock and is the direct responsibility of Subcommittee D13.23 on Erosion and Sediment Control Technology.

Current edition approved May 1, 2004. Published June 2004. Originally approved in 2001. Last previous edition approved in 2001 as D 6684-01.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For Annual Book of ASTM Standards volume information, refer to the standard's Document Summary page on the ASTM website.

C 1267 Test Method for Evaluating the Freeze-Thaw Durability of Manufactured Concrete Masonry Units and Related Concrete Units

D 4531 Test Method for Trapezoid Tearing Strength of Geotextiles

D 4632 Test Method for Grab Breaking Load and Dilation of Geotextiles

D 4833 Test Method for Index Pneumate Resistance of Geotextiles, Geomembranes, and Related Products

2.2 Other Documents:

American Association of State Highway Transportation Officials (AASHTO), 1995, "Standard Specification for Geotextiles," AASHTO Designation M 288, February.

Koerner, R.M., 1998, "Designing With Geotextiles," 4th Edition, Prentice-Hall Publishers, Englewood Cliffs, N.J., p. 761.

3. Terminology

3.1 Definitions:

3.1.1 *articulating concrete block (ACB) revetment system, n*—a matrix of interconnected concrete block units sufficient for erosion protection. Units are connected by geometric interlock and/or cables, geotextiles, or geogrids, and typically include a geotextile underlay for subsoid retention.

4. Significance and Use

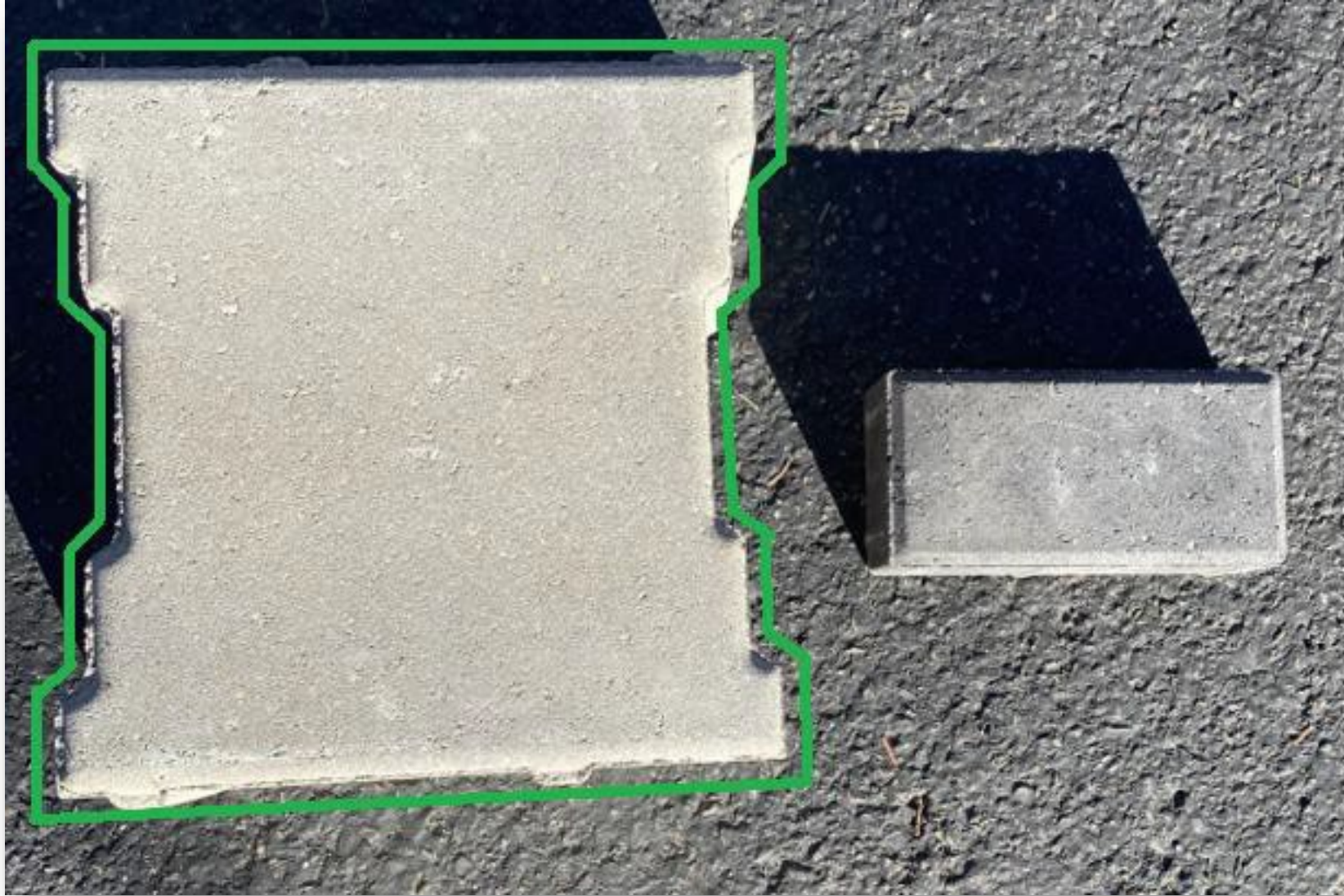
4.1 An articulating concrete block system is comprised of a matrix of individual concrete blocks placed together to form an erosion-resistant revetment with specific hydraulic performance characteristics. The system includes a filter layer compatible with the subsoid which allows infiltration and exfiltration to occur while providing particle retention. The filter layer may be comprised of a geotextile, properly graded granular media, or both. The blocks within the matrix shall be dense and durable, and the matrix shall be flexible and porous.

4.2 Articulating concrete block systems are used to provide erosion protection to underlying soil materials from the forces of flowing water. The term "articulating," as used in this Standard, implies the ability of individual blocks of the system

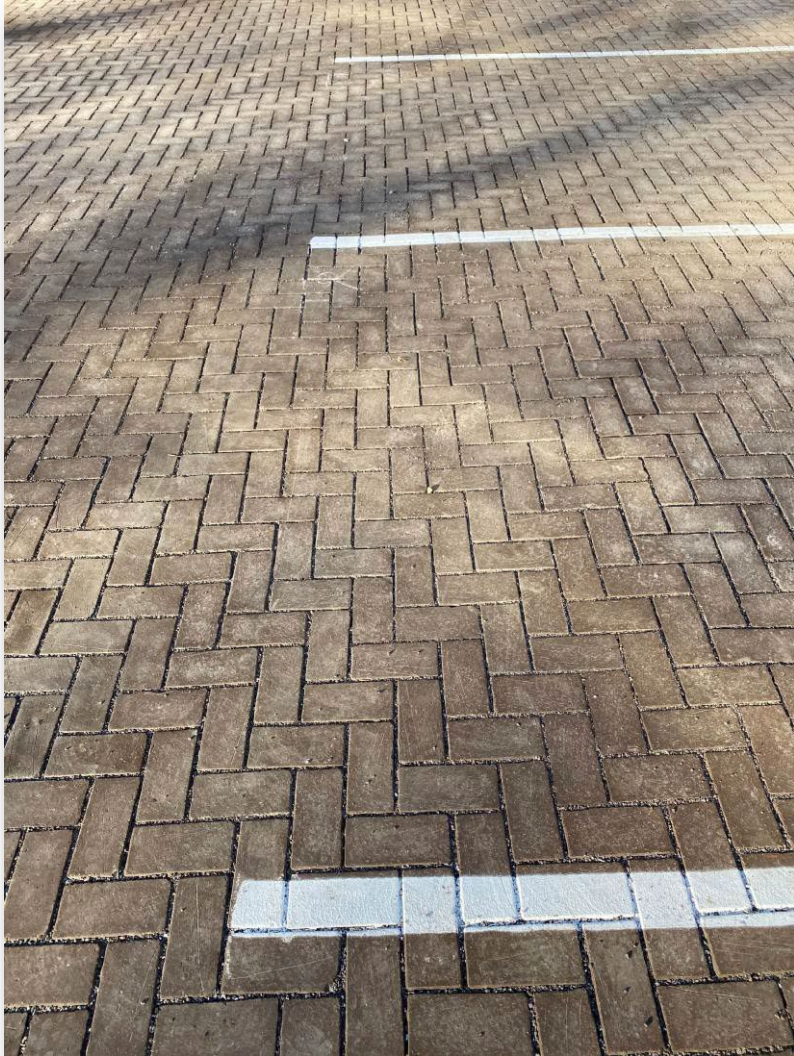
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PaveDrain Vs Pavers



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PaveDrain Applications - PARKING LOTS





H E A T E D

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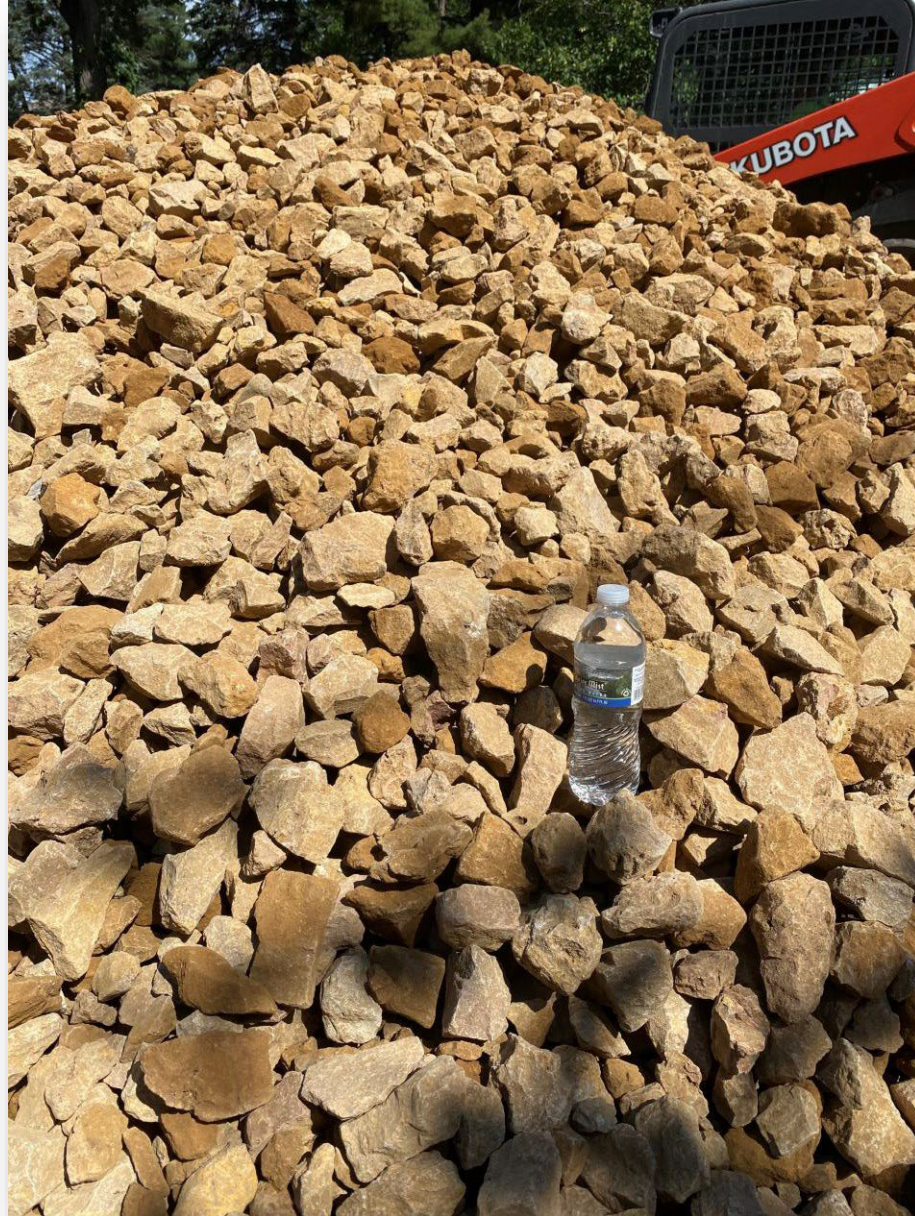
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DRIVEWAY



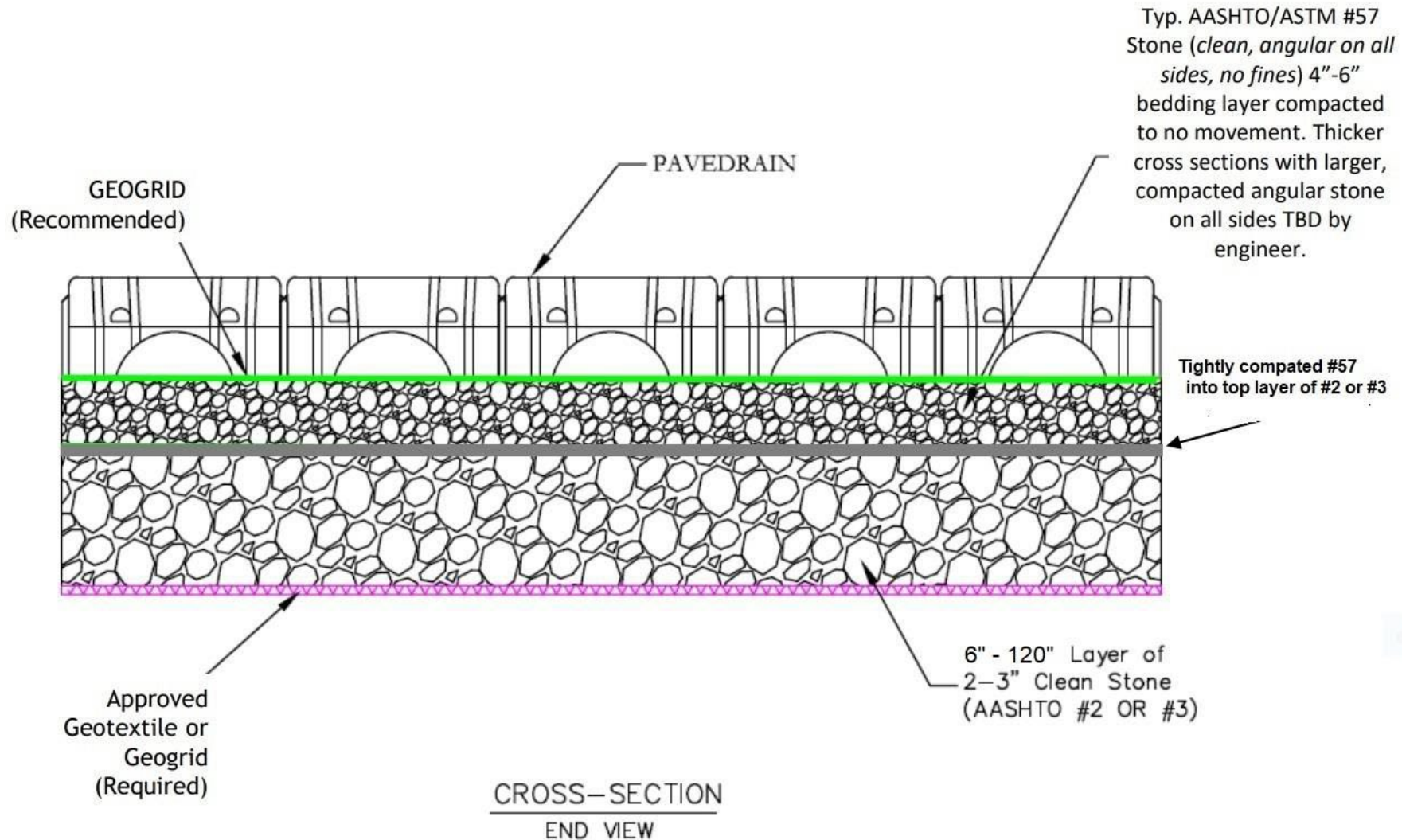
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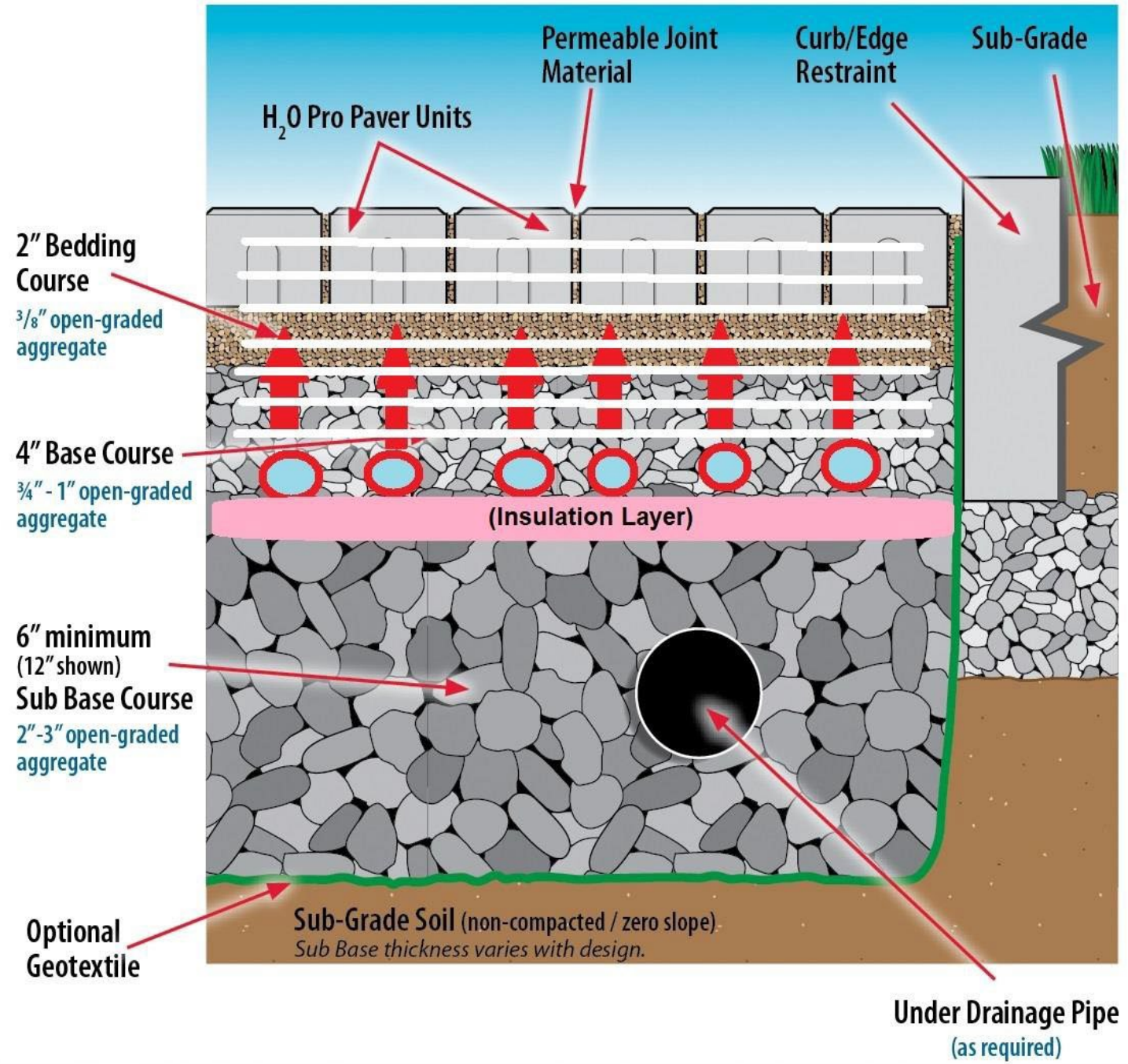


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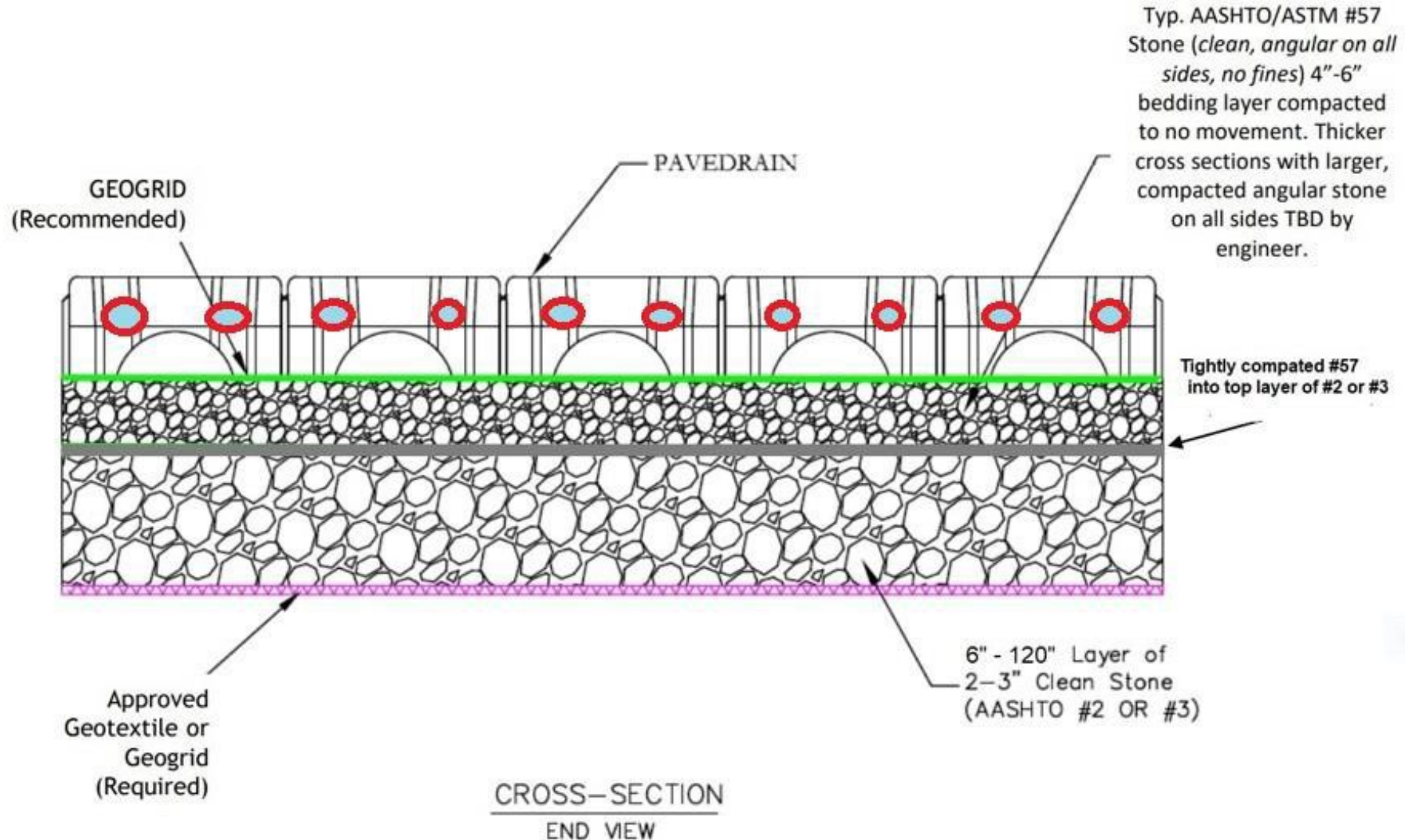


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In-Floor Heating Systems

A Revolutionary
Simple Solution



Old

New





Snow Removal Made Easy

WHAT WE DO

- Cost Effective
- Easy to Install
- Hassle-Free Maintenance



with



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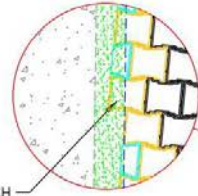


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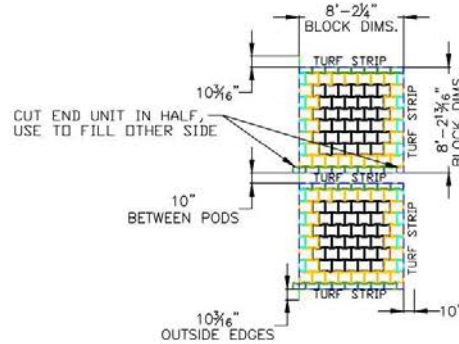
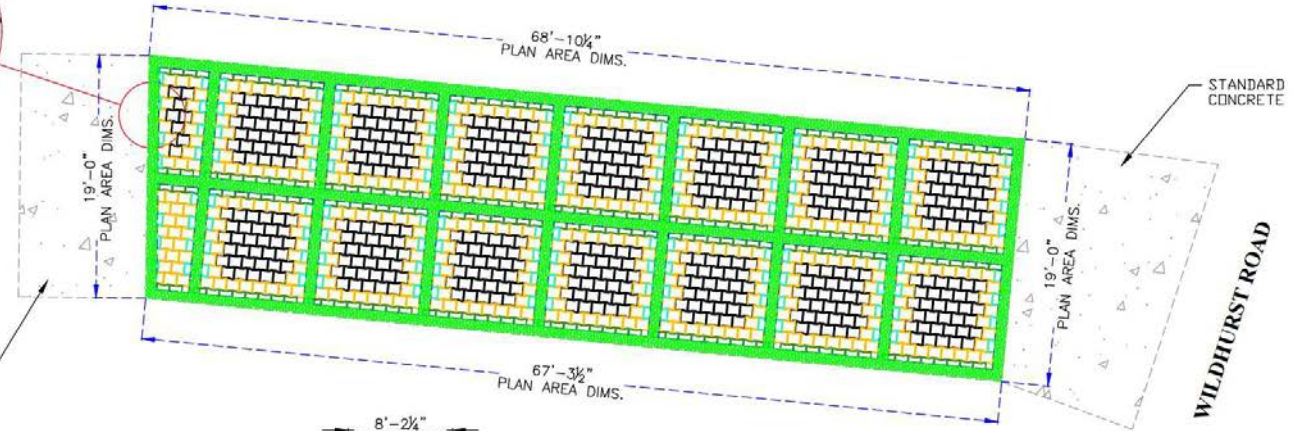
NOTES:

1. --- INDICATES AREA OF COVERAGE, AS TAKEN FROM PDF FILES PROVIDED BY: SATHRE-BERQUIST.



CUT UNITS TO MATCH
OUTSIDE EDGE OF AREA.

STANDARD
CONCRETE



PAVEDRAIN COVERAGE

ARCHED BLOCK	470 +/- UNITS (442 SF.)
SOLID BLOCK	417 +/- UNITS (392 SF.)
HALF BLOCK	127 +/- UNITS (60 SF.)
END BLOCK	236 +/- UNITS (111 SF.)

PROJECT TOTAL: 1,005 SF.

REQUESTED PAVEDRAIN BLOCK COLOR:

<input checked="" type="checkbox"/>	NATURAL CONCRETE GRAY
<input type="checkbox"/>	CHARCOAL
<input type="checkbox"/>	BLUE
<input type="checkbox"/>	RED
<input type="checkbox"/>	TAN/BUFF

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REVISIONS	
DATE	DESCRIPTION
8-2-21	Revised Driveway Layout per New Plan Design

PROJECT NAME:	TONKA BAY, MN.
PREPARED BY:	MB COY RAFTING & DESIGN, LLC

PREPARED FOR:	PAVEDRAIN, LLC
4880 W. ABBOTT AVE. - GREENFIELD, WI, 53220	
OFFICE (414) 423-6531 - MOB (414) 630-1012	
www.pavedrain.com	

DATE:	6-10-21	DRAWING NAME:	PLAN VIEW LAYOUT
CHECKED BY:	JD & JEFF B.	SCALE:	NOT TO SCALE

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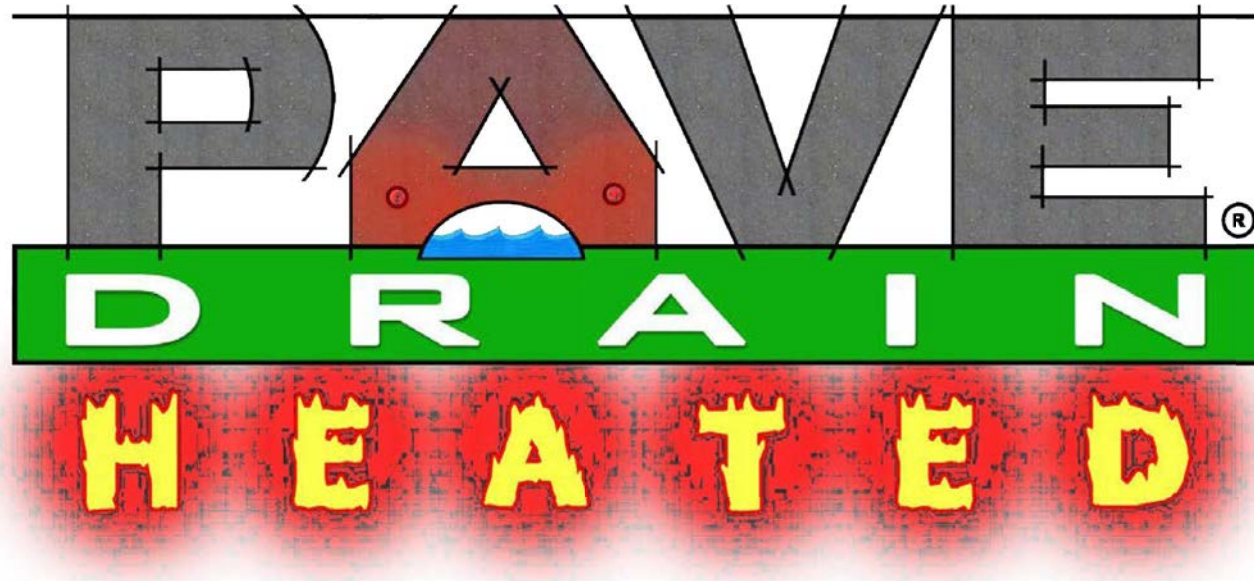
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THANK YOU!!!

Jeff Buch

Regional Manager

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763-292-0754

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