# CONSTRUCTION CROSS-SECTION DRAWINGS AND GUIDE SPECIFICATIONS
## FOR CAMBRIDGE INTERLOCKING PAVINGSTONES

## Index of Drawings

<table>
<thead>
<tr>
<th>NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Residential Driveway With Concrete Edges</td>
</tr>
<tr>
<td>02</td>
<td>Patio/Sidewalk/Plaza On Compacted Aggregate Base</td>
</tr>
<tr>
<td>03</td>
<td>Patio/Sidewalk/Plaza On Concrete Base</td>
</tr>
<tr>
<td>04</td>
<td>Street/Parking Lot/Residential Driveway Overlay On Existing Concrete Pavement</td>
</tr>
<tr>
<td>05</td>
<td>Street/Parking Lot/Residential Driveway Overlay On Existing Asphalt Pavement</td>
</tr>
<tr>
<td>06</td>
<td>Heated Sidewalk/Driveway</td>
</tr>
<tr>
<td>07</td>
<td>Interior Concrete Base</td>
</tr>
<tr>
<td>08</td>
<td>Steps</td>
</tr>
<tr>
<td>09</td>
<td>Street/Parking Lot On Compacted Gravel Base</td>
</tr>
<tr>
<td>10</td>
<td>Concrete Curb And Gutter</td>
</tr>
<tr>
<td>11</td>
<td>Crosswalk On Compacted Aggregate Base</td>
</tr>
<tr>
<td>12</td>
<td>Crosswalk On Concrete Base</td>
</tr>
<tr>
<td>13</td>
<td>Crosswalk On Asphalt Or Cement Treated Base</td>
</tr>
<tr>
<td>14</td>
<td>Utility Structure</td>
</tr>
<tr>
<td>15</td>
<td>Utility Structure – Value Box/Pull Box/ Lamphole</td>
</tr>
<tr>
<td>16</td>
<td>Catch Basin</td>
</tr>
<tr>
<td>17</td>
<td>Tree Pit – Non-Compacted Root Zone</td>
</tr>
<tr>
<td>18</td>
<td>Slope Protection</td>
</tr>
<tr>
<td>19</td>
<td>Fountain</td>
</tr>
<tr>
<td>20</td>
<td>Roof Deck Over Habitable Space</td>
</tr>
<tr>
<td>21</td>
<td>Roof Deck Over Uninhabited Space</td>
</tr>
<tr>
<td>22</td>
<td>Parking Garage Over Uninhabited Space – Expansion Joint</td>
</tr>
<tr>
<td>23</td>
<td>Parking Garage Over Inhabited/ Uninhabited Space – Drain</td>
</tr>
<tr>
<td>24</td>
<td>Parking Garage Over Inhabited Space – Expansion Joint</td>
</tr>
<tr>
<td>25</td>
<td>Bridge Deck</td>
</tr>
<tr>
<td>26</td>
<td>Gas Station On Cement Treated Base</td>
</tr>
<tr>
<td>27</td>
<td>Port/Industrial/Airfield Pavement With Cement Treated Base</td>
</tr>
<tr>
<td>28</td>
<td>Port/Industrial Pavement On Existing Asphalt Or Concrete</td>
</tr>
<tr>
<td>29</td>
<td>Airfield Pavement With Cement Treated Or Asphalt Base</td>
</tr>
<tr>
<td>30</td>
<td>Airfield Pavement On Existing Asphalt Or Concrete</td>
</tr>
<tr>
<td>31</td>
<td>Turfstone – Firelane/Driveway/ Intermittent Parking</td>
</tr>
<tr>
<td>32</td>
<td>Turfstone – Slope Protection</td>
</tr>
<tr>
<td>33</td>
<td>Turfstone – Riparian Stabilization</td>
</tr>
<tr>
<td>34</td>
<td>Ditch Liner For Intermittent Flows</td>
</tr>
<tr>
<td>35</td>
<td>Turfstone – Boat Ramp</td>
</tr>
</tbody>
</table>
COLDER CLIMATES MAY REQUIRE THICKER BASES.

1. NOTE:

ON COMPACTED AGGREGATE BASE

CAMBRIDGE-02

1" TO 1 1/2" (25-40 MM) BEDDING SAND

COMPACTED AGGREGATE BASE

COMPACTED SOIL SUBGRADE

CAMBRIDGE PAVER

2 3/8" (60 MM) MIN. THICKNESS

4" (100 MM) MIN. THICKNESS

CONCRETE CURB

SET 1/4" (7 MM) BELOW TOP OF PAVERS

AND CONTROL JOINTS @ 15' (5 M) OC

THICKNESS OF BASE WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE.

PATIO / SIDEWALK / PLAZA

DRAWING NO.

ASPHALT OR CONCRETE DRIVEWAYS.

2.

PLASTIC, STEEL, ALUMINUM OR PRECAST CONCRETE EDGING MAY BE USED.

3.

12" (300 MM) WIDE GEOTEXTILE ALONG PERIMETER

TURN UP AT CURB (DO NOT COVER TOP OF BASE)

THICKNESS OF BASE WILL VARY WITH SUBGRADE CONDITIONS AND CLIMATE.

NOTE:

ON CONCRETE BASE

CAMBRIDGE-04

3 1/8" (80 MM) MIN. THICKNESS

APPROX. 1" TO 1 1/2" (25-40 MM) BEDDING SAND

GEOTEXTILE

EXISTING SOIL SUBGRADE

EXISTING CONCRETE CURB

EXISTING CONCRETE PAVEMENT

EXISTING BASE

AT CATCH BASIN(S). SEE DRAWING NO. CAMBRIDGE-03.

1. DRAIN BEDDING SAND OF EXCESS MOISTURE THROUGH PAVEMENT AT LOWEST POINT OR

STREET/PARKING LOT/RESIDENTIAL DRIVEWAY

CAMBRIDGE-03

CAMBRIDGE PAVER

3 1/8" (80 MM) MIN. THICKNESS

APPROX. 1" TO 1 1/2" (25-40 MM) BEDDING SAND

GEOTEXTILE

EXISTING SOIL SUBGRADE

EXISTING CONCRETE CURB

EXISTING CONCRETE PAVEMENT

EXISTING BASE

CONCRETE / ASPHALT BASE

PATIO / SIDEWALK / PLAZA

DRAWING NO.

3" (75 MM) MIN. THICKNESS FOR ASPHALT

2" (50 MM) DIA. DRAIN HOLE FILLED WITH PEA GRAVEL

LOCATE AT LOWEST ELEVATIONS

NOTE:

OVERLAY ON EXISTING CONCRETE PAVEMENT

VARIES

CAMBRIDGE-01

RESIDENTIAL DRIVEWAY WITH

CAMBRIDGE-02

ON COMPACTED AGGREGATE BASE

PATIO / SIDEWALK / PLAZA

DRAWING NO.

CAMBRIDGE-03

ON CONCRETE BASE

PATIO / SIDEWALK / PLAZA

DRAWING NO.

CAMBRIDGE-04

ON CONCRETE BASE

PATIO / SIDEWALK / PLAZA

DRAWING NO.
CAMBRIDGE-09 STREET / PARKING LOT

1. NOTES:
   - DRAIN MAY BE NECESSARY IN SLOW DRAINING SUBGRADE.
   - BASE THICKNESS VARIES WITH TRAFFIC, CLIMATE, AND SUBGRADE CONDITIONS.
   - COLDER CLIMATES AND WEAK SOILS MAY REQUIRE THICKER BASES.
   - DO NOT COVER ENTIRE TOP OF AGGREGATE BASE WITH GEOTEXTILE.

2. COMPACTED AGGREGATE BASE
   - VARIES CAMBRIDGE PAVER
   - 3 1/8" (80 MM) MIN. THICKNESS
   - 1" TO 1 1/2" (25-40 MM) BEDDING SAND

3. COMPACTED SOIL SUBGRADE
   - CONCRETE CURB AND FOUNDATION
   - PER LOCAL STANDARDS
   - 12" (300 MM) WIDE GEOTEXTILE ALONG PERIMETER TURN UP AT CURB
   - NOTE: WALK / GRASS
   - 12" (300 MM) WIDE GEOTEXTILE
   - COMPACTED AGGREGATE BASE
   - CONCRETE CURB AND GUTTER
   - CONCRETE CURB AND GUTTER
   - PER LOCAL STANDARDS
   - WITH CAMBRIDGE PAVERS

4. CROSSWALK ON COMPACTED AGGREGATE BASE
   - VARIES CAMBRIDGE PAVER
   - WITH 90 DEGREE FACE
   - ALONG PERIMETER TURN UP AGAINST CURB
   - GEOTEXTILE AS REQUIRED

5. CROSSWALK ON CONCRETE BASE
   - VARIES CAMBRIDGE PAVER
   - WITH CAMBRIDGE PAVERS
   - 3 1/8" (80 MM) MIN. THICKNESS
   - 1" TO 1 1/2" (25-40 MM) BEDDING SAND

6. EXISTING ASPHALT PAVEMENT
   - SAW-CUT PAVEMENT
   - SEAL JOINT
   - CONCRETE CURB MIN. 8" (200 MM)
   - WIDE x 16" (400 MM) DEEP
   - CAMBRIDGE PAVER
   - 3 1/8" (80 MM) MIN. THICKNESS
   - 1" TO 1 1/2" (25-40 MM) BEDDING SAND
   - COMPACTED AGGREGATE BASE
   - GEOTEXTILE AS REQUIRED
   - COMPACTED SOIL SUBGRADE
   - REBAR AS REQUIRED

7. CROSSWALK ON CONCRETE BASE
   - VARIES CAMBRIDGE PAVER
   - WITH CAMBRIDGE PAVERS
   - 3 1/8" (80 MM) MIN. THICKNESS
   - 1" TO 1 1/2" (25-40 MM) BEDDING SAND

8. CONCRETE CURB AND FOUNDATION
   - PER LOCAL STANDARDS
   - 12" (300 MM) WIDE GEOTEXTILE ALONG PERIMETER TURN UP AT CURB
   - NOTE: WALK / GRASS
   - 12" (300 MM) WIDE GEOTEXTILE
   - COMPACTED AGGREGATE BASE
   - CONCRETE CURB AND GUTTER
   - CONCRETE CURB AND GUTTER
   - PER LOCAL STANDARDS
   - WITH CAMBRIDGE PAVERS

9. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB
   - CONCRETE CURB AND FOUNDATION
   - PER LOCAL STANDARDS
   - 12" (300 MM) WIDE GEOTEXTILE ALONG PERIMETER TURN UP AGAINST CURB
   - GEOTEXTILE AS REQUIRED

10. EXISTING ASPHALT PAVEMENT
    - SAW-CUT PAVEMENT
    - SEAL JOINT
    - CONCRETE CURB MIN. 12" (300 MM)
    - WIDE x 12" (300 MM) DEEP
    - CAMBRIDGE PAVER
    - 3 1/8" (80 MM) MIN. THICKNESS
    - 1" TO 1 1/2" (25-40 MM) BEDDING SAND
    - COMPACTED AGGREGATE BASE
    - GEOTEXTILE
    - COMPACTED SOIL SUBGRADE
    - 2" (50 MM) DIA. DRAIN HOLE
    - LOCATE AT LOWEST ELEVATIONS FILL WITH PEA GRAVEL

11. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE, AND SUBGRADE CONDITIONS.

12. DO NOT USE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2' (0.6 M) FROM TOP OF SUBGRADE. DRAIN TO CATCH BASINS.
FROM TOP OF SUBGRADE. DRAIN TO CATCH BASINS.

3. DO NOT USE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2' (0.6 M).
   CONCRETE BEAMS AT ENDS OF PAVEMENT MAY BE NECESSARY IF ASPHALT IS SUBJECT TO RUTTING.

CROSSWALK ON ASPHALT COLDER CLIMATES AND WEAK SOIL MAY REQUIRE THICKER BASES.

BOTTOM ELEVATION OF EXISTING ASPHALT PAVEMENT MUST BE EVEN OR BELOW BEDDING SAND.

NOTES:

PERIMETER TURN UP AT CURB OR CEMENT TREATED BASE

VARIES

VARIES

CAMBRIDGE-13

EXISTING ASPHALT PAVEMENT

SAW-CUT PAVEMENT

SEAL JOINT

CAMBRIDGE PAVER

3 1/8" (80 MM) MIN. THICKNESS

1" TO 1 1/2" (25-40 MM) BEDDING SAND

12" (300 MM) WIDE GEOTEXTILE ALONG EXISTING SUBGRADE

DRAWING NO.

EXISTING AGGREGATE BASE

2" (50 MM) DIA. DRAIN HOLES AT LOWEST ELEVATIONS, FILL WITH PEA GRAVEL, COVER WITH GEOTEXTILE

DRAWING NO.

SECTION AA (7MM) BELOW PAVERS

ELEVATION TO BE 1/4" MIN. 8" (200 MM) WIDE CONCRETE COLLAR STRUCTURE CONCRETE UTILITY AS REQUIRED

CONCRETE BRICK

REBAR AS REQUIRED

CAMBRIDGE-14 UTILITY STRUCTURE

3 1/8" (80 MM) MIN. THICKNESS

1" TO 1 1/2" (25-40 MM) BEDDING SAND

GEOTEXTILE

STRING COURSE OF PAVERS

AROUND COLLAR REBAR

BASE MATERIAL

COVER

COVER

COVER

COVER

COVER

COVER
COMPRESSION SEAL AT CONTROL JOINT
FASTEN ON ONE SIDE
MIN. 1/8" (3 MM) THICK ALUMINUM PLATE
MIN 1/2 (13 ROOF DECK WATERPROOF MEMBRANE OVERLAP ENTIRE PLATE
6" (150 MIN OVER UNINHABITED SPACE
CAMBRIDGE-21 1" (25 MM) BEDDING SAND GEOTEXTILE CAMBRIDGE PAVER
STRUCTURAL SLAB SLOPE TO DRAIN ROOF DRAIN HOLES FOR DRAINAGE GASKET PROTECTION BOARD GROOVED BOTTOM FOR DRAINAGE AT BOTTOM
NOTES:
1. CHECK WITH LOCAL WIND CODES FOR BALLAST REQUIREMENTS.
2. PROTECTION BOARD MUST WITHSTAND STATIC AND DYNAMIC LOADS.

SLOPE TO DRAIN CONCRETE ROOF DECK
NOTES:
1. INSULATION MAY BE EXCLUDED FOR SOME APPLICATIONS OVER INHABITED SPACE.
2. PROTECTION BOARD AND INSULATION MUST WITHSTAND STATIC AND DYNAMIC VEHICULAR LOADS.

LOCAL CODES AND CLIMATE THICKNESS VARIES WITH RIGID INSULATION
CAMBRIDGE PAVER 3 1/8" (80 MM) MIN. THICKNESS ROOF DRAIN
1" TO 1 1/2" (25-40 MM) BEDDING SAND WATERPROOF MEMBRANE PROTECTION BOARD 1/4" (7 MM) MIN.
GEOTEXTILE ALL VERTICAL SURFACES TURN UP AT DRAIN AND HOLES FOR DRAINAGE

NOTES: AS REQUIRED

RIGID INSULATION
CAMBRIDGE PAVERS 3 1/8" (80 MM) MIN. THICKNESS
CAMBRIDGE PAVER 1" TO 1 1/2" (25-40 MM) BEDDING SAND
WATERPROOF MEMBRANE
SLOPE TO DRAIN
STRUCTURAL SLAB
PROTECTION BOARD 1/4" (7 MM) MIN.
GEOTEXTILE
STRIP SEAL AT CONSTRUCTION JOINT
WATERPROOF ADHESIVE
EPOXY GROUT FILLER
AS REQUIRED
1. PROVIDE DRAINAGE OF EXCESS MOISTURE IN BEDDING SAND

NOTE:
ON STEEL OR CONCRETE BEAMS
SEAL AT JOINT
WOVEN GEOTEXTILE
EPOXY GROUT FILLER
3 1/8" (60 MM) MIN. THICKNESS
CAMBRIDGE PAVERS

1" TO 1 1/2" (25-40 MM) BEDDING SAND
SLOPE TO DRAIN STRUCTURAL SLAB

DRAWING NO.

SEALING JOINTS OF PAVERS IS RECOMMENDED.
CAMBRIDGE PAVERS MAY BE INLAID ON EXISTING ASPHALT OR CONCRETE GAS STATION PAVEMENTS.

1. NOTES:
ON CEMENT TREATED BASE
VARIES
CAMBRIDGE-25 BRIDGE DECK
CAMBRIDGE PAVERS
3 1/8" (80 MM) MIN. THICKNESS
APPROX. 1" TO 1 1/2" (25-40 MM) BEDDING SAND
COMPACTED SOIL SUBGRADE
LOADS, SUBGRADE STRENGTH, AND CLIMATE.
BASE, SUB-BASE, AND SUBGRADE THICKNESS VARY WITH DRAWING NO.

TURN UP AT SIDES/EDGES
NOTE:
PORT / INDUSTRIAL / AIRFIELD
PAVEMENT W/CEMENT TREATED BASE
VARIES
CAMBRIDGE-26 GAS STATION
CAMBRIDGE PAVER
3 1/8" (80 MM) MIN. THICKNESS
1" TO 1 1/2" (25-40 MM) BEDDING SAND
GEOTEXTILE
CEMENT TREATED BASE
SUB-BASE AS REQUIRED
COMPACTED AGGREGATE
SUBGRADE COMPACTED OR STABILIZED
LOADS, SUBGRADE STRENGTH, AND CLIMATE.
1. BASE, SUB-BASE, AND SUBGRADE THICKNESS VARY WITH DRAWING NO.

CATCH BASIN(S).
PROVIDE DRAINAGE OF SAND LAYER THROUGH PEA GRAVEL-FILLED WEEP HOLE(S) OR

NOTE:
PORT / INDUSTRIAL / AIRFIELD
CAMBRIDGE-27 GAS STATION
CAMBRIDGE PAVER
3 1/8" (80 MM) MIN. THICKNESS
1" TO 1 1/2" (25-40 MM) BEDDING SAND
GEOTEXTILE
EXISTING SOIL SUBGRADE
EXISTING SUB-BASE
OR CONCRETE PAVEMENT
EXISTING ASPHALT
GREATER THAN 1/4" (7 MM) WIDE PRIOR TO PLACING GEOTEXTILE, SAND, AND CAMBRIDGE PAVERS.
IN NEED OF PATCHING OR REPLACEMENT. CONDUCT ALL REPAIRS AND FILL ALL CRACKS

EXISTING ASPHALT OR CONCRETE PAVEMENT SHALL BE THOROUGHLY INSPECTED FOR AREAS
IN NEED OF PATCHING OR REPLACEMENT.

CAMBRIDGE-28 GAS STATION
CAMBRIDGE PAVER
3 1/8" (80 MM) MIN. THICKNESS
1" TO 1 1/2" (25-40 MM) BEDDING SAND
**SUBGRADE COMPACTED**

- 24" (600 MM) MIN.
- 12" (300 MM)

**MEAN WATER LEVEL**

**RIPARIAN VEGETATION**

**MAX. SLOPE 1 TO 1 ABOVE MEAN WATER LEVEL**

EXTEND MIN. TWO (2) COURSES WITH TOPSOIL AND VEGETATION FILL OPENINGS ABOVE MEAN WATER LEVEL

**CAMBRIDGE TURFSTONE**

FOR STREAM BANKS AND LAKESIDES

**CAMBRIDGE-33 RIPARIAN STABILIZATION**

**GEOTEXTILE**

**CAMBRIDGE TURFSTONE**

3 1/8" (80 MM) MIN. THICKNESS

**RIP-RAP OR CONCRETE TOE AND SIDES**

WRAP AROUND TOE ON ALL SIDES

**DRAWING NO.**

**DITCH LINER FOR INTERMITTENT FLOWS - CAMBRIDGE TURFSTONE**

**Note:** AGGREGATE MAY BE USED IN OPENINGS OF GRID Pavers.

**Note:** ALL CROSS-SECTION DRAWINGS SHOWN ARE AVAILABLE ON CD-ROM.