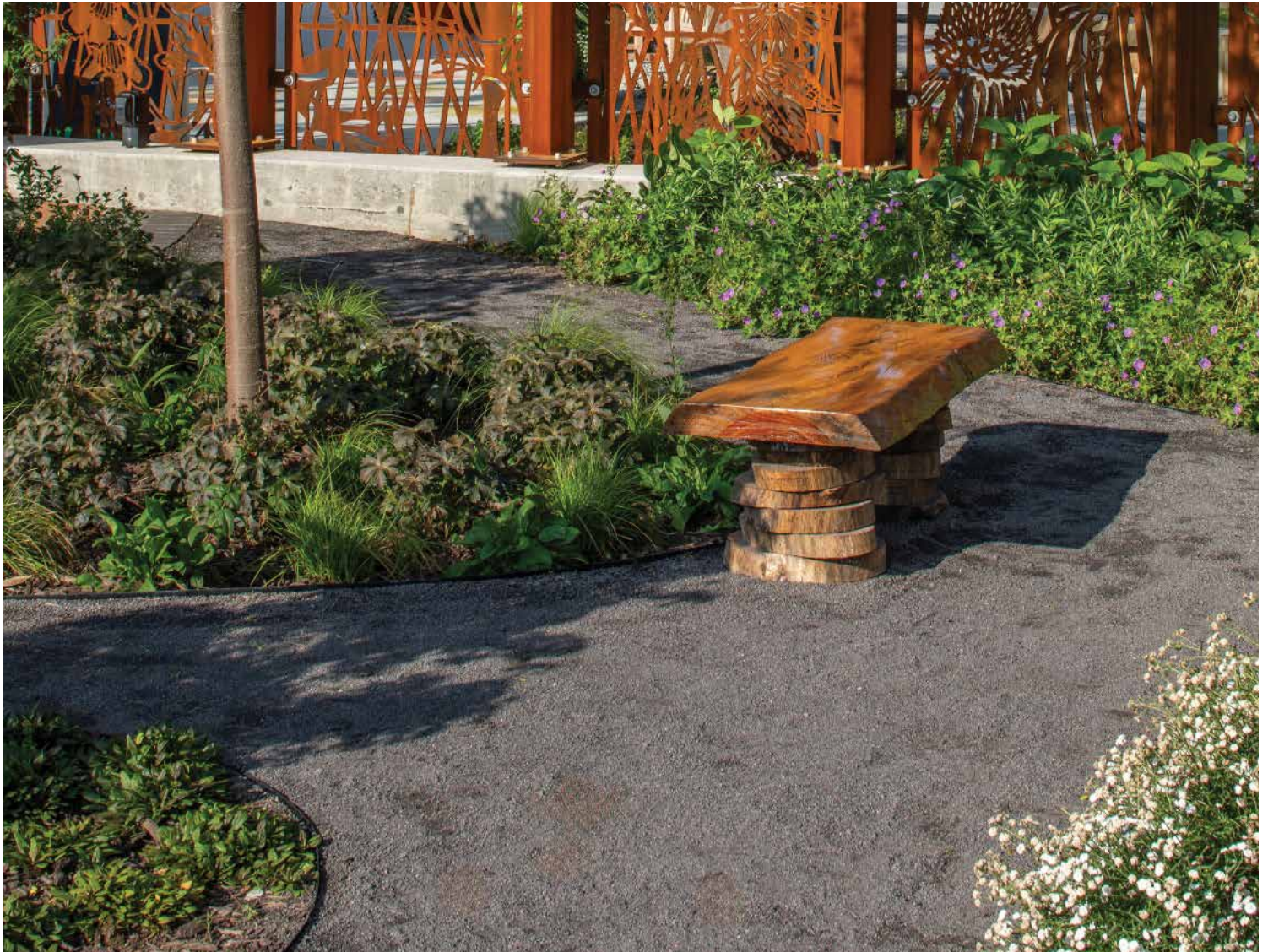


# PATHWAY AGGREGATE



## **SUSTAINABLE, STRONG, STUNNING**

Eco-friendly and easy on the eyes, Endicott's permeable Pathway Aggregate material blends naturally into its surroundings while standing up to everyday foot traffic.

# PATHWAY TO GREAT DESIGN.



DESIGNED TO MANAGE WATER NATURALLY, ENDICOTT STABILIZED PATHWAY AGGREGATE HELPS REDUCE RUNOFF AND EROSION WHILE MAINTAINING A STABLE SURFACE. THE RESULT IS A PATHWAY SURFACE THAT LOOKS AND FEELS ORGANIC, PERFORMS RELIABLY AND SUPPORTS SUSTAINABLE SITE DESIGN – PROOF THAT RESPONSIBLE MATERIALS CAN BE HIGHLY EFFECTIVE WHILE STILL MAKING A STRONG VISUAL IMPRESSION.



Aggregate Color: Midnight

Lauritzen Gardens – Omaha, NE

# COLORS

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## SPECTRUM OF COLORS TO ENHANCE ANY DESIGN

Endicott Pathway Aggregate offers a stunning spectrum of colors to enhance any landscape design. From the bold elegance of Midnight to the earthy warmth of Butternut to the subtle elegance of Dove Gray, each hue brings unique character and charm to your pathways and outdoor spaces. Whether you seek to create a modern oasis, a tranquil retreat or a vibrant focal point, Endicott has the perfect aggregate color to achieve your vision.



Midnight



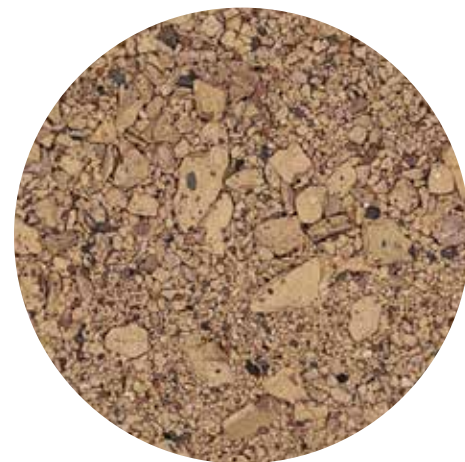
Burning Sky



Coral Red



Dove Gray



Butternut

# FEATURES & BENEFITS

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## TRANSFORM YOUR OUTDOOR AREAS WITH RECYCLED BRICK AGGREGATE

Endicott Stabilized Pathway Brick Aggregate is the perfect choice for pedestrian traffic areas that need an impressive natural appearance and long-lasting durability. Our stabilized pathway mix is made from recycled Endicott brick and an organic stabilizing binder from Organic-Lock™. Recycled brick and the organic binder make our pathway material a sustainable eco-friendly choice. Additionally, recycled brick pathways are a sensible alternative to decomposed granite, concrete, asphalt or other hardscape materials.

### IDEAL FOR:

- Walking pathways
- Campus trails
- Residential garden paths
- Heritage sites
- Medians and islands
- Playgrounds
- Biking trails
- Golf cart paths
- Parking stalls

### KEY BENEFITS:

- Made from eco-friendly, recycled materials
- Formulated with organic, stabilizing binder
- Many unique colorfast offerings
- Water permeable @ ~.75" per hour
- Resists erosion, dust and weeds
- Self-healing material promotes ease of maintenance
- ADA compliant and wheelchair accessible F1951
- Can qualify for credits toward LEED certification



**Organic-Lock™** is a patented binding agent made from a renewable plant resource and proprietary additives. It's designed to be blended with crushed aggregate to create natural looking surfaces, while locking the aggregate in place to minimize erosion.

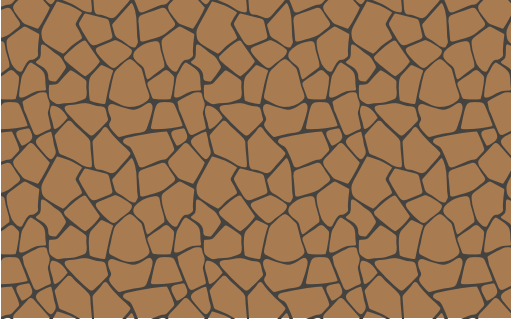
# HOW IT WORKS

## ENGINEERED TO OUTPERFORM AND OUTLAST THE ALTERNATIVES

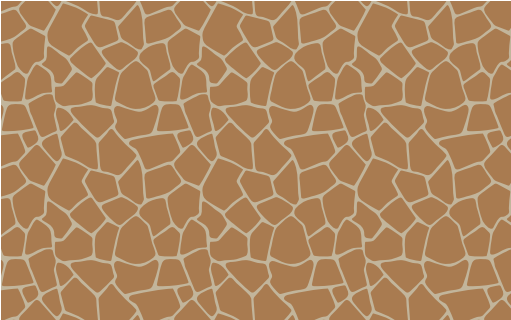
Endicott Brick Aggregate is screened through a carefully controlled grinding system for precise sieve distribution. Having the proper mix of particle sizing promotes permeability while also allowing necessary compaction. The Organic-Lock™ binder absorbs excess water through swelling and then gradually releases the water through evaporation into the atmosphere as well as through the base course into the groundwater.

### BINDER PROCESS

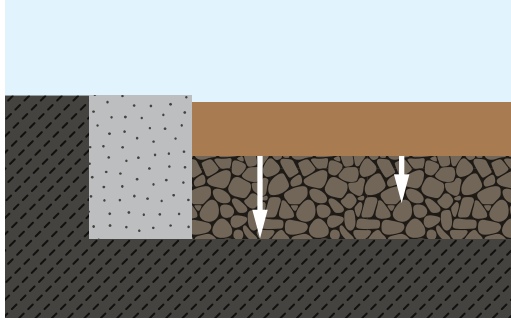
**Step 1:**  
Water is absorbed by binder and creates a gel



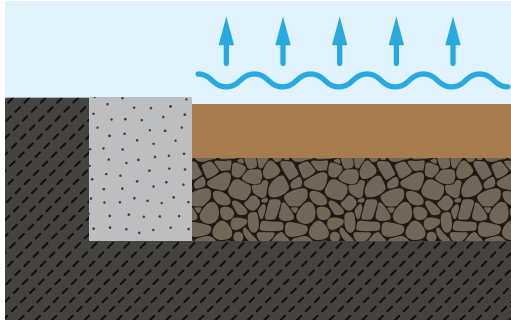
**Step 2:**  
Gel expands and holds the particles together



**Step 3:**  
Excess water passes through the system due to permeability



**Step 4:**  
Water held at the surface evaporates



## LONG-TERM BENEFITS OF STABILIZATION

As your landscape matures, your pathways should remain steadfast. Our stabilization process transforms loose brick aggregate into a high-performance, load-bearing surface – providing water management, ending the cycle of repetitive repairs, and maintaining that signature natural crunch underfoot. It's the ideal blend of natural beauty and structural permanence.



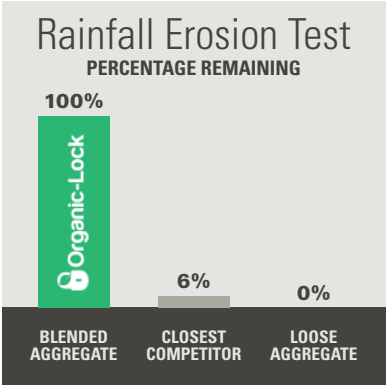
### ALTERNATIVES VS. PATHWAY AGGREGATE



**UNSTABILIZED AGGREGATES**  
Wash outs and weed growth  
**vs**  
Erosion resistance and weed reduction



**ASPHALT AND CONCRETE**  
Non-permeable and cracks  
**vs**  
Permeable and remains intact



**NOT ALL BINDERS ARE THE SAME**  
Rapid degradation or chemical release  
**vs**  
Long-lasting and environmentally safe

# DESIGN

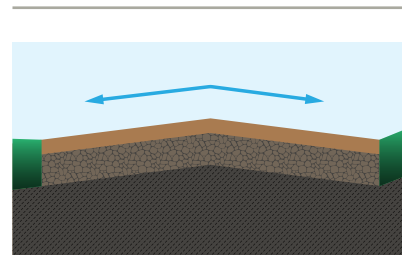
## SMART PRE-PLANNING ENSURES LONG-TERM SITE PERFORMANCE

Designing with Pathway Aggregate starts with understanding how water moves across a site. Proper watershed management – grading, drainage patterns and sub-base preparation – is essential to ensure the aggregate performs as intended. When correctly specified and installed, permeable Pathway Aggregate allows water to infiltrate naturally, reducing runoff and erosion while maintaining a stable, accessible surface. Thoughtful planning at the outset ensures pathways that manage water effectively, age gracefully and support long-term site performance.

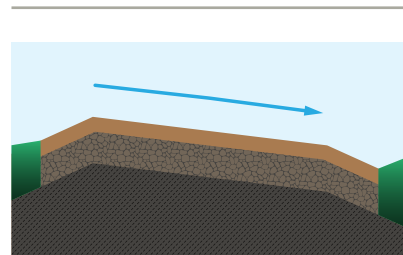
### PROPER WATERSHED MANAGEMENT IS CRITICAL

- Evaluate need for water diversion using crowns, slopes, runoff diverters, swales, berms, drains or culverts.
- Minimum 2% slope required for proper watershed.
- Maximum 20% slope. Consult if grade is over 10%.
- Design runoff diverters at 35° angle if grade is over 10%.

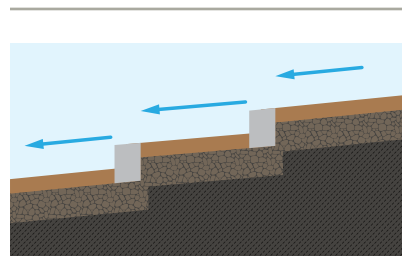
CROWNS



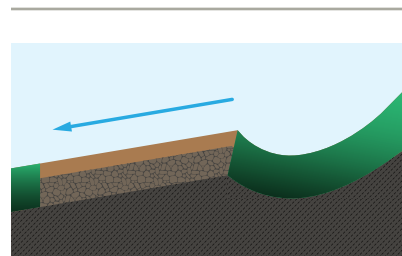
SLOPES



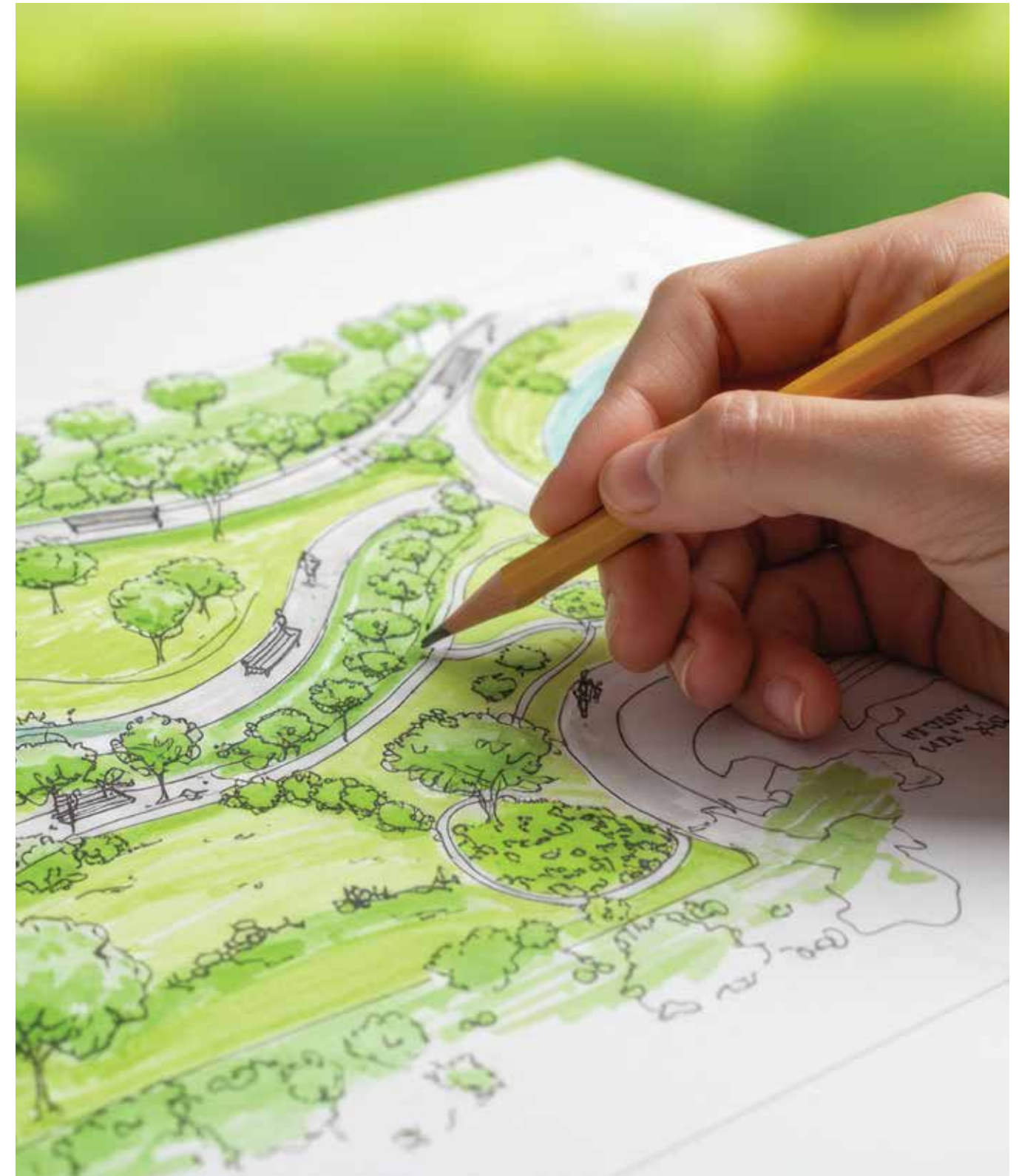
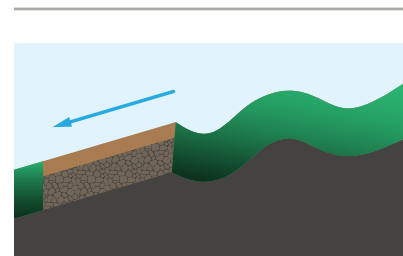
RUNOFF DIVERTERS



SWALES



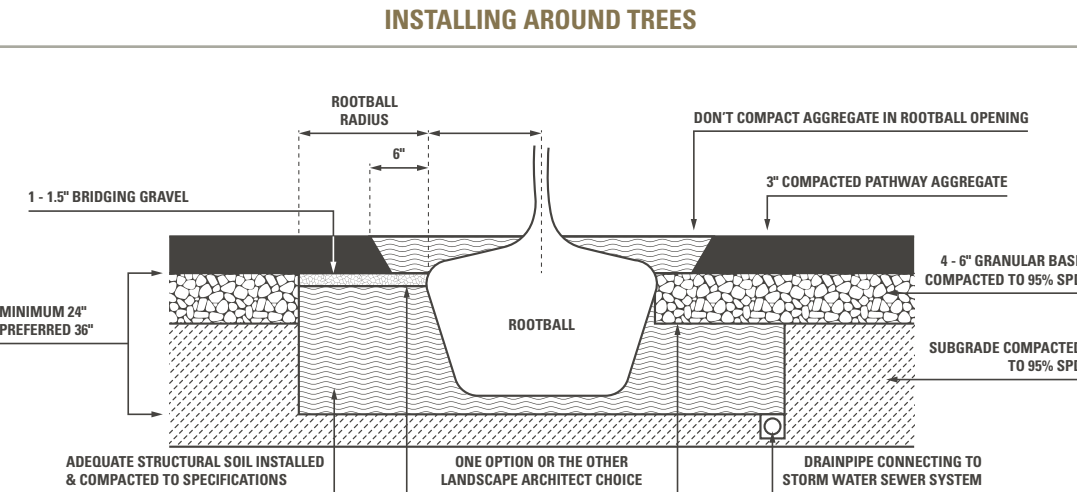
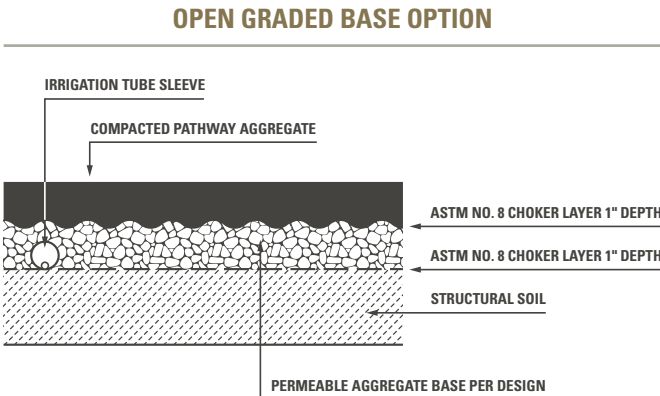
BERMS



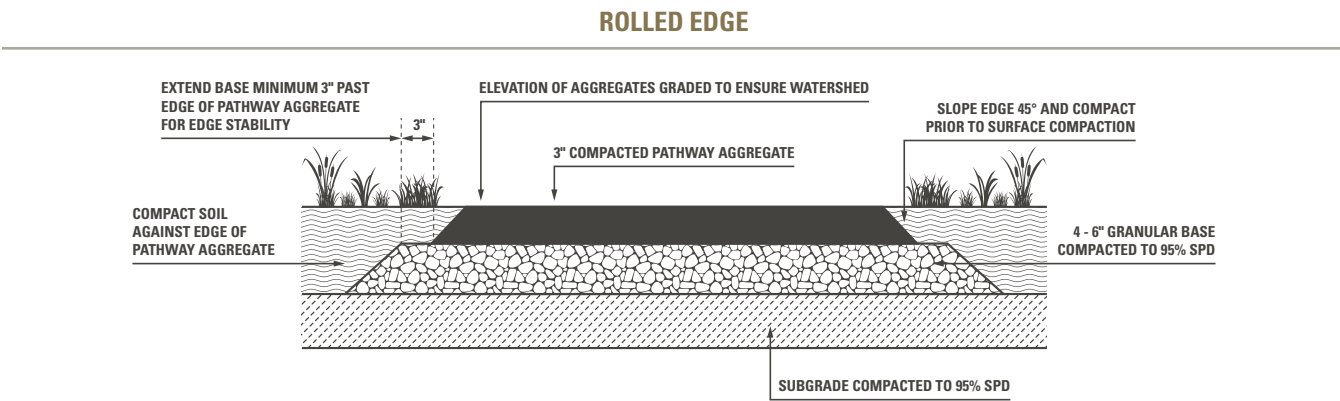
# PREPARATION

## PROPER BASE LAYER PREPARATION

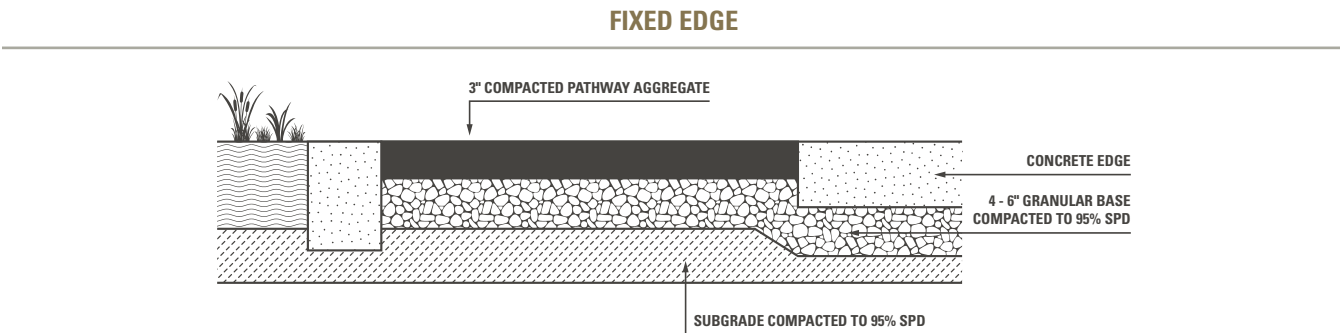
When designing outdoor spaces using Pathway Aggregate, base layer preparation is not a one-size-fits-all situation. There are different depths of materials (pathway aggregate, granular base and soil subgrade) and levels of compaction, along with edging options, for various applications. Here are some detailed cross-section drawings to provide some guidance when designing for foot traffic, light vehicular traffic or installing around trees.



## EDGING OPTIONS



No physical edge restraint.



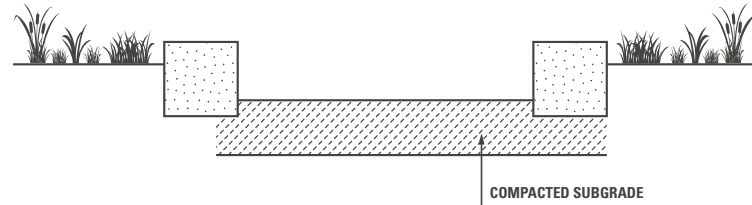
Use non-flexible restraint such as concrete, steel edging or pavers. Ensure top profile of compacted Pathway Aggregate is higher than top of edge restraint to allow watershed.

# INSTALLATION

## STEP-BY-STEP INSTRUCTIONS

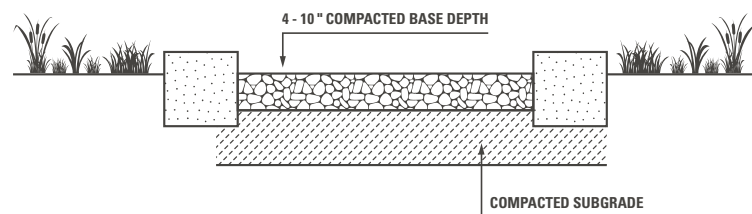
### STEP 1: EXCAVATION

- Excavate subgrade to appropriate depth and width.
- Compact to 95% SPD.



### STEP 2: SUB-BASE INSTALLATION

- Install DOT recommended road base in lifts.
- Compact each lift to 95% SPD.
- Sub-base profile must follow final Pathway Aggregate profile.



### STEP 3: HYDRATION

- Prior to installation, hydrate Pathway Aggregate to 8 - 10% ideal moisture content by spreading aggregate on clean surface and mixing thoroughly by turning with a loader bucket.

TONS	LBS	1% WATER IN GALLONS	8% WATER IN GALLONS
1	2,000	2.4	19.2
2	4,000	4.8	38.4
3	6,000	7.1	56.8
4	8,000	9.5	76.0
5	10,000	11.9	95.2

### Snowball Test



Not enough moisture



Too much moisture



Ideal moisture

### STEP 4: SPREADING MATERIALS

- With properly hydrated Pathway Aggregate, you can begin to spread the material with an asphalt paver.
- Using an asphalt paver is the most efficient and effective means of spreading the aggregate for consistent depth of placement.
- Spread and compact\* the hydrated material in 3 - 4" lifts.
- Transport with loader or wheelbarrow for areas not accessible by asphalt paver and spread evenly.



### STEP 5: COMPACTION

- Compact maximum 4" lifts\* with minimum 1-ton static drum roller.
- Make 4 - 6 passes or until visible lines are eliminated.
- If using a hand tamper or vibratory plate compactor, install in maximum 2" lifts.
- Mist surface between lifts and compact until visible lines are eliminated.
- Repeat until final elevation is achieved.
- Optimal compaction will rarely be achieved in tight areas.



### STEP 6: FINAL HYDRATION

- Provide a light spray to saturate the surface to ensure binder is fully activated.
- Apply water up to the point of runoff.
- Do not allow water or traffic onto newly installed Pathway Aggregate surface until fully cured for a minimum of 72 hours.



\* Pathway Aggregate typically compacts 20 - 25%. Ex: 4" lift compacts to 3".

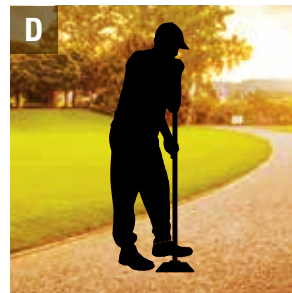
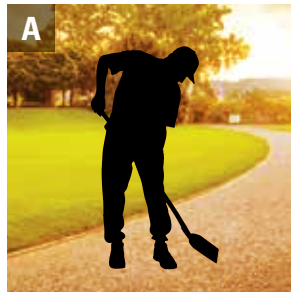
# MAINTENANCE

## SELF-HEALING PROPERTIES ALLOW FOR SIMPLIFIED MAINTENANCE

As the surface weathers, the larger particles of the aggregate will loosen on the surface to create a natural look that leads to the “crunch underfoot” texture that is often preferred in natural settings. The Organic-Lock™ binder activates each time it’s in contact with water. This allows the Pathway Aggregate to be physically broken up, reworked and returned to its initial state. This self-healing quality allows for a simplified maintenance procedure that leaves no sign of the maintenance.

### EXCESS LOOSE MATERIAL: GREATER THAN 1/4" DEPTH

1. Redistribute particles over a great surface (A)
2. Scarify to 1" depth (B)
3. Water to 1" depth (C)
4. Compact (D)

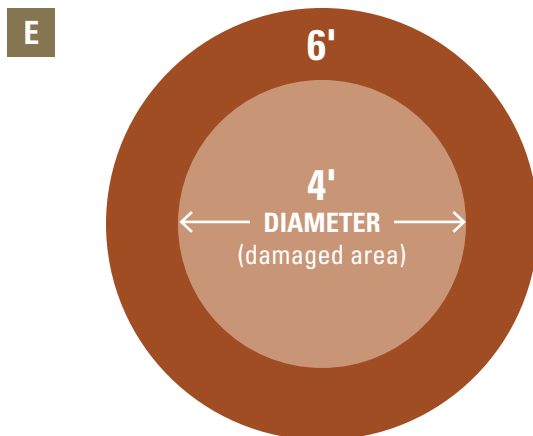


### LIGHTLY DAMAGED AREAS:

1. Soak surface (C)
2. Scarify to 1 - 2" depth (B)
3. Compact (D)

### SEVERELY DAMAGED AREAS:

1. Remove the damaged surface, plus 50% of the surrounding area to 2" depth (E)
2. Add new Pathway Aggregate to the removed area at a 3:1 ratio and blend
3. Place on clean surface and hydrate to 8 - 10% moisture content
4. Spread
5. Compact
6. Final hydration
7. Allow to cure 72 hours



### SEASONAL CARE:

#### Debris Removal

Hand rake or blow mechanically at half power using wide nozzle.

#### Snow Removal

Use shoe lift or rubber baffle on blade to lift 1/4" off surface. Extra precautions should be taken when ground is not frozen.

# ORDERING



### HOW IT'S SOLD

Effortlessly calculate the precise amount of Endicott Pathway Aggregate you need for your project, saving you time and money.

#### Quantity

Determine amount needed with Endicott's calculator:



#### Units

1-ton Super Sack, strapped to pallet.

#### Coverage

Delivers higher coverage rates than many other aggregates.

Approximate compacted depth cover rates per ton:

75 SQ. FT @ 3"

57 SQ. FT @ 4"

#### Protected

Keep dry during transportation to customer and prior to installation.

#### Assistance

Contact Endicott for availability and lead times.



**Endicott Clay Products Company**

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[endicott.com](http://endicott.com)

