

Lake Mansfield Improvement Task Force
Town of Great Barrington, MA
Thursday, March 17, 2022
5:00 PM

Remote Meeting via Zoom Video/Telephone Conference

Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §18, and the Governor's February 12, 2022 Revised Order extending remote participation by all members in any meeting of a public body, this meeting of the Lake Mansfield Improvement Task Force Board of Appeals will be conducted via remote participation to the greatest extent possible. Specific information and the general guidelines for remote participation by members of the public and/or parties with a right and/or requirement to attend this meeting can be found on town's website, at www.townofgb.org. For this meeting, members of the public who wish to listen to the meeting may do so by following the instructions on this agenda. No in-person attendance of members of the public will be permitted, but every effort will be made to ensure that the public can adequately access the proceedings in real time, via technological means.

Please click the link below to join the webinar: <https://us02web.zoom.us/j/85092833118>

Webinar ID: 850 9283 3118

Or Dial in by phone: +1 929 205 6099

AGENDA

1. **Call to Order:** Roll call to determine attendees. All votes will be roll call votes.
2. **Administrative Items:** Minutes of October 26, 2021 meeting
3. **Lake Mansfield Road Project:** Review latest designs, right of way plans, and give guidance to designers on:
 - a. Walkway surface materials (these are the walkways in the beach/park area, not the recreational trail that will replace Lake Mansfield Road)
 - b. Site stairs (in parking lot and beach area)
 - c. Benches (along recreational trail)
 - d. Picnic tables
 - e. Bike racks
 - f. Park landscaping
 - g. Stormwater basin landscaping
 - h. Bank restoration landscaping
 - i. Pervious parking spaces material (see attached W&C memo)Discuss next steps and schedule
Discuss upcoming grant opportunities and letters of support
4. **Updates / Areas of Concern for discussion**
 - a. Playground donation / installation
 - b. Water chestnut removal update
 - c. Water quality study update
 - d. Aquatic weeds
5. **Citizen's Speak time**
6. **Set next meeting date**
7. **Adjourn**

Christopher Rembold, Assistant Town Manager / Director of Planning and Community Development
crembold@townofgb.org

Pursuant to MGL. 7c. 30A sec. 20 (f), after notifying the chair of the public body, any person may make a video or audio recording of an open session of a meeting of a public body, or may transmit the meeting through any medium. At the beginning of the meeting, the chair shall inform other attendees of any such recordings. Any member of the public wishing to speak at the meeting must receive permission of the chair. The listings of agenda items are those reasonably anticipated by the chair which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.

Surface material options for walkways



Compacted gravel

Approximately
\$5/sf

- Surface layer mixed with fine aggregates and angular stones for suitable surface material
- Needs periodic re-grading, weeding and top-dressing.
- Can be soft in spring thaw.
- Avoid installation on long pitches of 6% or greater
- Accessibility: with considerable maintenance to meet “firm and stable” criteria
- Permeable



Stonedust

Approximately
\$6.5/sf

- Installed over sub-base of compacted gravel
- Needs periodic re-grading, weeding and topdressing.
- Can be soft in spring thaw
- Avoid installation on long pitches of 3% or greater
- Accessibility: with maintenance to meet “firm and stable” criteria
- Permeable



Stabilized
crushed granite

Approximately
\$11/sf

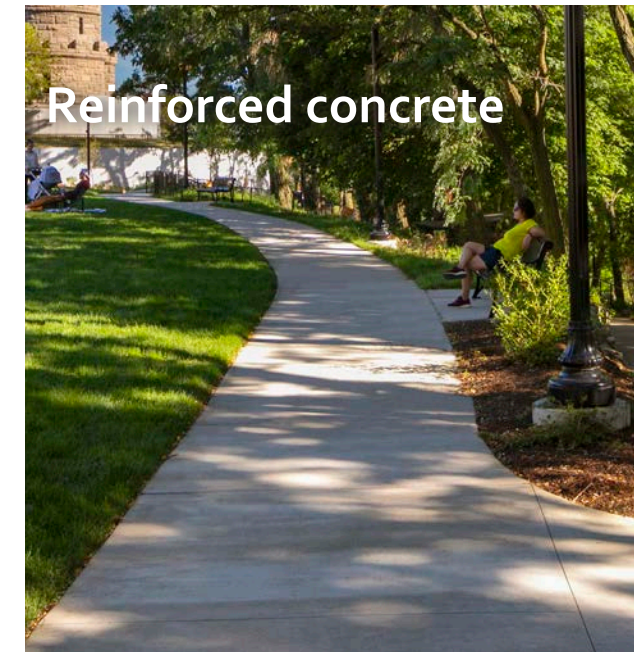
- Same installation & cross-section as stonedust walkways but pre-mixed with organic stabilizer
- Not intended for vehicular traffic
- More durable than typical stonedust walkways
- Avoid installation on long pitches of 6% or greater
- Accessibility: full with occasional maintenance
- Permeable



Bituminous concrete

Approximately
\$8/sf

- Can be hot in summer
- Recedes into the landscape
- Accessibility: fully accessible
- Suitable for flat surfaces & steeper slopes
- Typically lasts 12-20 years depending on quality of construction & usage
- Impervious



Reinforced concrete

Approximately
\$13/sf

- Can be bright in summer
- Recedes into the landscape
- Suitable for flat surfaces & steeper slopes
- Accessibility: fully accessible
- Impervious

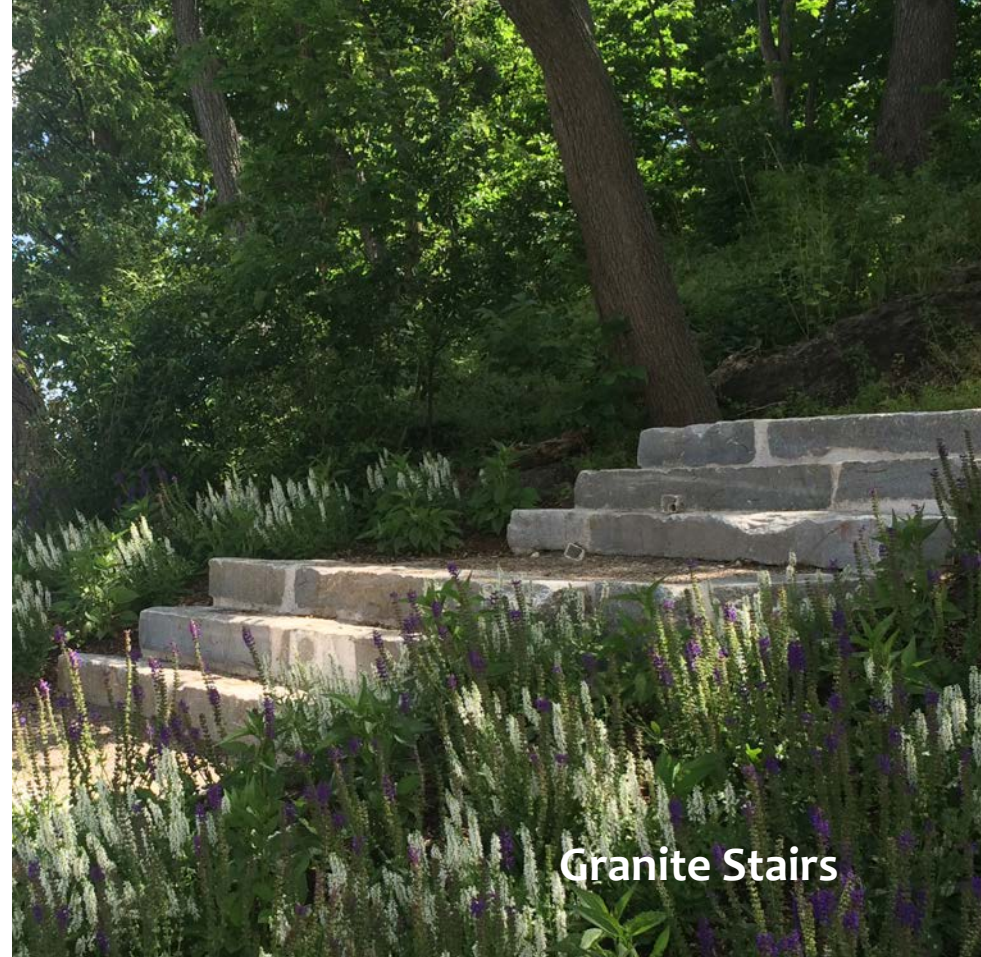
Site Amenities Character Photos



Wood timber tread
with stonedust infill



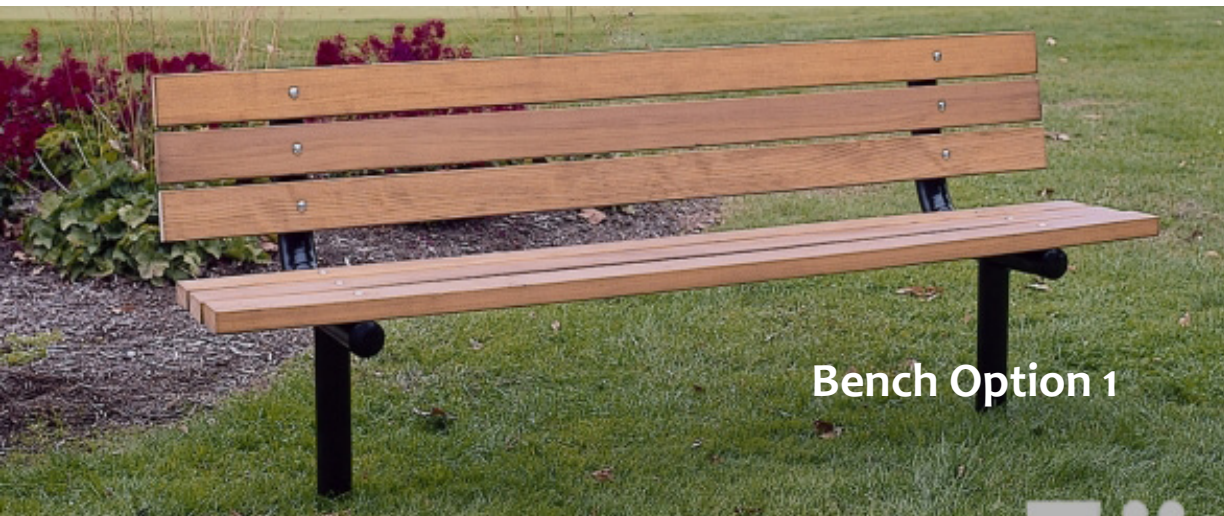
Granite Stairs



Granite Stairs



Bike Rack
Option 1



Bench Option 1



Bench Option 3



Bench Option 2



Bench Option 4



Bike Rack
Option 2



Picnic Bench
Option 2



Picnic Bench
Option 2



Picnic Bench
Option 3



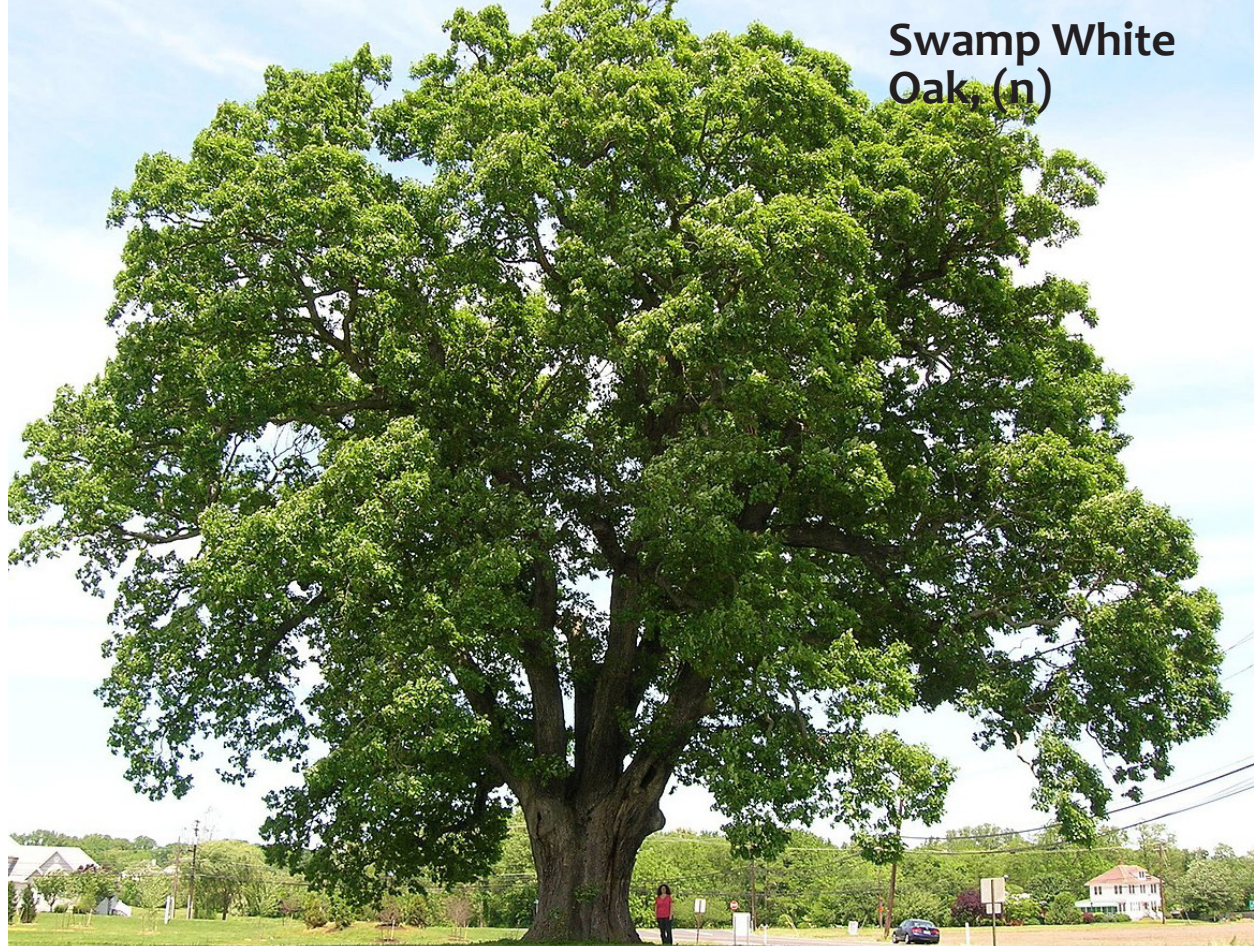
ADA Beach Mat



Split Rail Fencing



Eastern Redbud, (n)



Swamp White Oak, (n)



Witchhazel, (n)



Sweetgum, (n)



Red Chokeberry, (n)



Flowering Dogwood, (n)



Arrowwood, (n)



American Cranberrybush, (n)



Sweetspire, (n)

Park Landscape - Character Photos



Tupelo, (n)



Bald Cypress, (n) southern us



Switchgrass, (n)



Spicebush, (n)



Ninebark, (n)



Tickseed Sunflower, (n)



Hummingbird Mint, (n)



Smooth Hydrangea, (n)



Hay Scented Fern, (n)



Coneflower, (n)

Park Landscape - Character Photos



Silky Dogwood, (n)



Inkberry, (n)



Stonecrop
Sedum



Winterberry, (n)



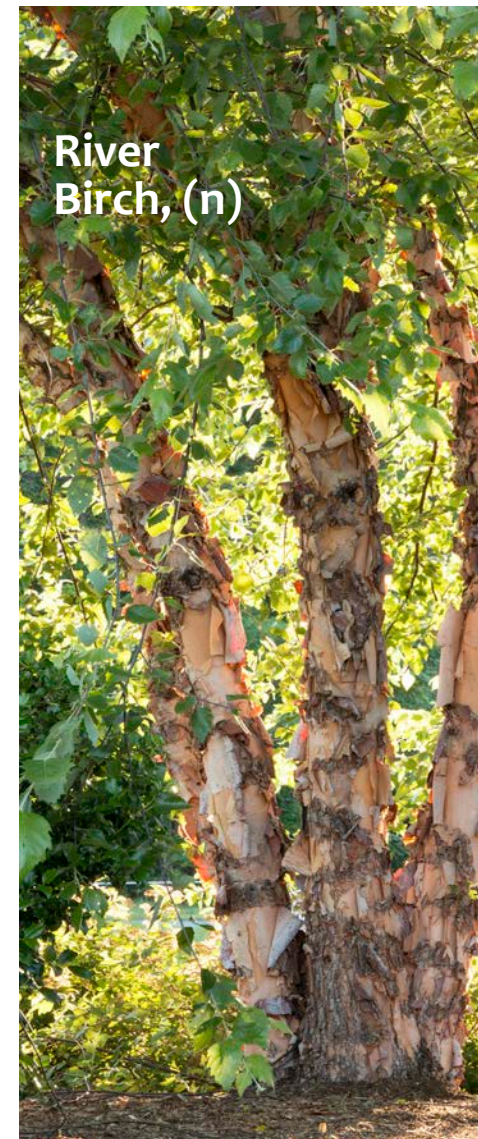
Sweet Pepperbush, (n)



Red Maple, (n)



Red Osier
Dogwood (n)



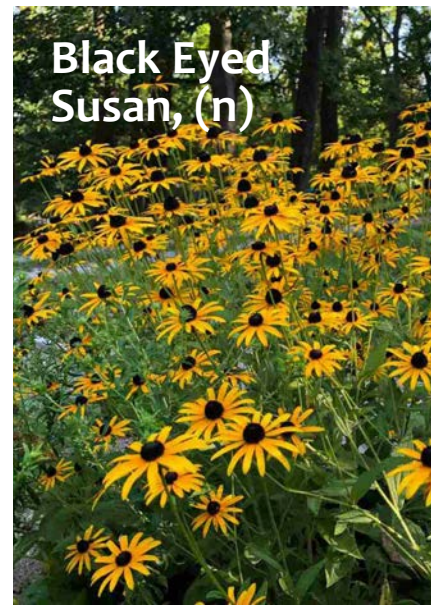
River
Birch, (n)



Joe Pye Weed,
(n)



Coneflower, (n)



Black Eyed
Susan, (n)



Fox Sedge, (n)

**Stormwater Basin
Landscape -
Character Photos**



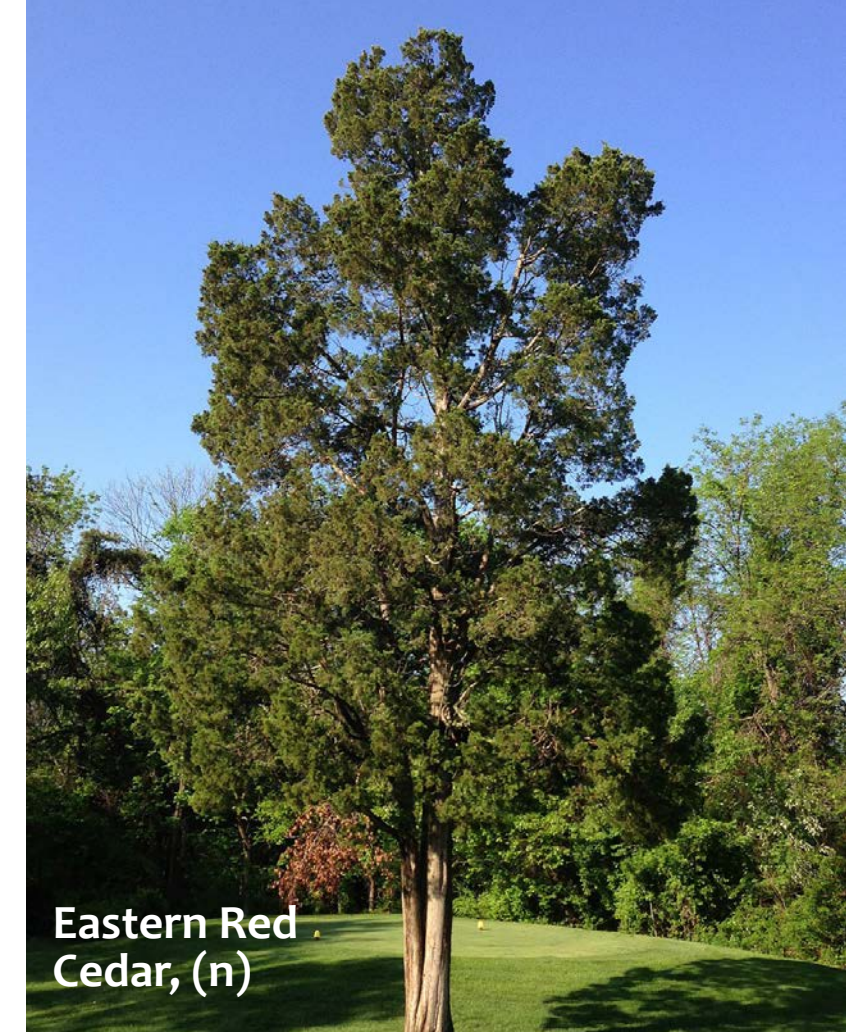
Blackgum, (n)



Inkberry, (n)



Switchgrass



Eastern Red Cedar, (n)



Buttonbush, (n)

Bank Planting - Character Photos



Hay Scented Fern, (n)



Lady Fern, (n)



Sweet Pepperbush, (n)



Fowl Mannagrass, (n)



Blue Flag Iris, (n)



Silky Dogwood, (n)



Arrowwood, (n)



Sweet Fern, (n)



American Cranberry, (n)



Red Maple, (n)



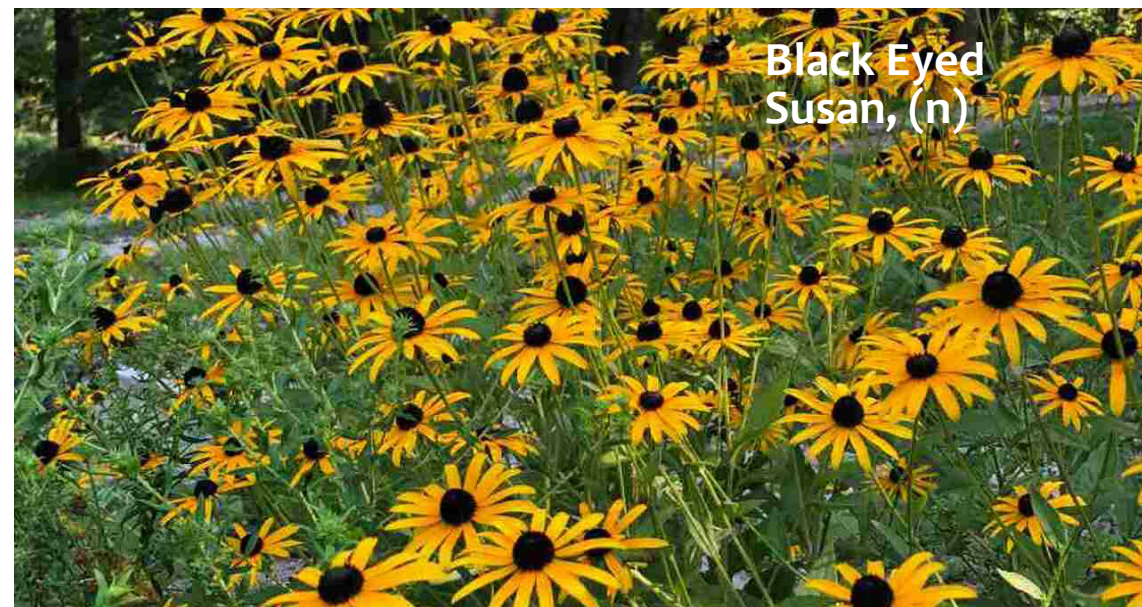
Sensitive Fern, (n)



River Birch, (n)



Joe Pye Weed, (n)



Black Eyed Susan, (n)



Fox Sedge, (n)

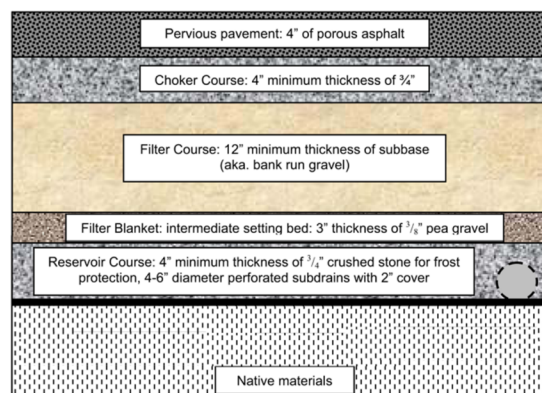
Bank Planting -
Character Photos

MEMORANDUM

TO: Town of Great Barrington - Lake Mansfield Improvement Task Force
 FROM: Megan McDevitt, PE, Woodard & Curran
 DATE: September 2, 2021
 RE: Parking Lot – Pervious Pavement Alternatives

Woodard & Curran met with the Lake Mansfield Improvement Task Force (LMITF) on August 9th to discuss the Lake Mansfield concept-level parking lot layout and stormwater management design. At the request of the LMITF, Woodard & Curran has reviewed porous pavement alternatives for overflow parking spaces furthest from the beach. There are many porous pavement products, including porous asphalt, pervious concrete, block pavers, open-cell pavers and other proprietary devices. Based on initial discussions with the LMITF, we understand a desire for the overflow parking spaces to be green or have a natural, rural park feel. Open-cell pavers seem to be the best fit for the site both functionally and aesthetically.

Open-cell pavers are comprised of a snap-and-lock recycled polyethylene grid with gravel or grass infill. Some open-cell pavers have optional snap-in markers to delineate parking spaces. Maintenance frequency largely depends on infill material. Pavers with grass infill should be maintained similarly to grass fields with regular mowing. Pavers with gravel infill require less frequent maintenance consisting of removal of accumulated sand/debris and placement of additional gravel infill on an as-needed basis. During winter months, winter sanding should be avoided to prevent clogging. If these spaces are plowed, it is recommended that rollers are attached to the bottom of the plow to prevent damage to the paver grids. Open-cell pavers can be used for stormwater treatment when installed over an engineered storage bed, similar to that shown in the Porous Pavement Best Management Practice (BMP) below.

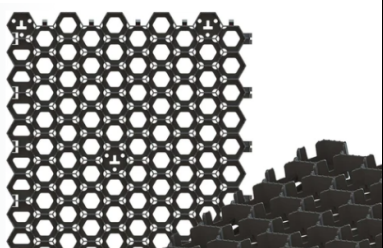






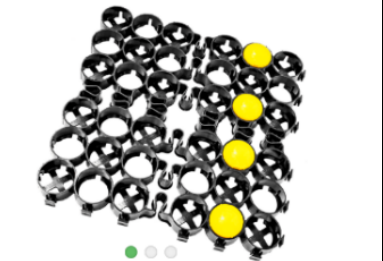











adapted from the University of New Hampshire

Figure 1. Porous Pavement BMP Section, Massachusetts Stormwater Handbook Vol. 2, Ch. 2.

Woodard & Curran reached out to several open-cell paver manufacturers and identified the following four locally available products: EasyPave HEXPave, EasyPave Grid, TrueGrid Pro Plus, and Typar Bodpave85. The table below provides product details, relative cost, and photos of these four open-cell paver options.

TABLE 1: OPEN-CELL PAVER OPTIONS

Option	Product Details	Cost	Grid	Paver Markings	Gravel Fill	Grass Fill	Case Studies
EasyPave HEXPave (1") (Light vehicle)	1"-Paver for grass/gravel installations in light vehicle parking areas. Hexagonal grid design. Made from 100% recycled polyethylene (HDPE). Withstands loads up to 27,000 lb/SF. ADA and UV compliant. Installed using snap and lock connections. Optional installation anchors for sloped project areas. Abrasions on top of grid for increased surface traction.	\$		No paver markings available.		No photo available.	No case studies available.
EasyPave Grid (2") (Heavy vehicle)	2"-Paver for grass/gravel installations in heavy vehicle parking areas with an "S" turn grid design. Made from 100% recycled polyethylene (HDPE). Withstands loads up to 80,000 lb/SF. ADA and UV compliant. Installed using snap and lock connections. Optional installation anchors for sloped project areas. Abrasions on top of grid for increased surface traction. Available in black or green.	\$\$					 Various parking lots throughout the U.S. (Location information not available).
TrueGrid Pro Plus	1.8"-Paver used for heavy load parking lots with an "O" shaped grid. Made from 100% recycled polyethylene (HDPE). Rated for H-20/HS-20 loading and greater. ADA compliant with proper fill material. Installed using three point locking tabs. X-anchors on grid to anchor grid to the site.	\$\$					 Gravel Parking Lot , Fort Collins, CO
Typr BodPave 85	1.96"-Paver used for overflow parking lots with an "O" shaped grid. Made from 100% recycled polyethylene (HDPE). Withstands loads up to 81,000 lb/SF. ADA compliant. Installed using Snap-Fit connections. Integrated Ground Spike to anchor grid to site. Available in black, green and white.	\$\$\$\$					 Thorndike Fields , Arlington MA.