

Marydell Pond Committee
AGENDA
March 7, 2019, 7:00pm
East Goshen Township Building

- 1) Call to Order/Pledge of Allegiance/Moment of Silence
- 2) Consider Minutes of February 7, 2019
- 3) Presentation of Draft Landscaping Plan
- 4) Public Comment
- 5) Consider Marydell Pond Committee Recommendation to the Board of Supervisors
- 6) Any Other Matter
- 7) Adjournment

**EAST GOSHEN TOWNSHIP
MARYDELL POND COMMITTEE MEETING
1580 PAOLI PIKE
THURSDAY, FEBRUARY 7, 2019
DRAFT MINUTES**

Present: Chairman Jim Williams; Vice Chair Russ Miller; Members Michelle Guinan, Debbie Williams, Mary Ellen Miller, Kate Minshall, Jeff O'Donnell and Scott Rainsford; Erich Meyer (Chairman, Conservancy Board); Andy Tyler (Conservancy Board); Nate Cline (Township Engineer) and Assistant Township Manager Jon Altshul.

Jon called the meeting to order at 7:00 p.m. and led the pledge of allegiance and called for a moment of silence to honor our troops.

Jon reported that the Marydell Pond project finished last year \$139,000 over budget due to the substantial challenges in dredging during the very wet fall. However, he reported that he has been working with Mark Miller to carefully monitor vehicle rental costs planned for 2019 and that he feels comfortable that the equipment rental, when combined the cost of the landscaping plan will come in right at the 2019 budget levels.

Jim stated that he had spoken with a number of neighbors regarding the pond and that he had received positive feedback and that he hadn't heard any disappointment about the delays. Michelle asked what the wooden mats were for, and Nate explained that they were to avoid damaging the earth with heavy equipment, similar to building a temporary road. Jeff asked whether any recent work had been done on site, and Nate indicated that the Township's electrician had recently been on site.

Jon and Nate explained that given the weather conditions, under the best case scenario, the Township will begin dredging in late spring or early summer, which would allow for most of the plantings to occur before the end of 2019, provided that the weather cooperates.

Michelle asked about when kids would be able to fish in the pond again. Nate indicated that the pumps would be turned off and the pond would naturally replenish itself once the dredging is complete. Discussion ensued about whether the pond would be restocked with fish. Jeff indicated that bass, sunfish and bluegills would be viable fish species for the pond and would control mosquitos and flies. Jim suggested that Natural Lands be contacted about the best fish species for the pond. Jon indicated that he would follow up on restocking the pond with Mark Miller and report back to the committee by email.

Russ made a motion to adopt the minutes of October 29, 2018. Jeff seconded. The motion passed 7-0.

1 The committee reviewed the draft landscaping plan originally presented at the
2 October 29, 2018, meeting. Jon indicated that the Township now had sufficient
3 boulders in its Public Works yard to cut the boulder budget in half, bringing the total
4 cost of the landscaping plan down to approximately \$40,000. The committee also
5 reiterated that it was opposed to street trees along Barker Drive, and Nate agreed to
6 update the slides with the trees removed. Jon and Nate agreed to touch base next
7 week to update the materials, including cutting some of the unnecessary slides so
8 that the landscaping plan would be easier to present and follow along with at the
9 March 7th meeting. Jon also agreed to provide a slide or slides outlining the timeline
10 on the project, from the original concerns about the trees raised two years ago to
11 the eventual implementation of the landscaping plan. Jim and Russ indicated that
12 they'd like to do a "dry run" of the presentation on Monday, March 4th.

13
14 Kate raised concerns about the spring house and asked whether the entrance could
15 be gated the same way that the spring house in Applebrook Park is gated to prevent
16 vandalism and neighborhood teens from using the structure to engage in illegal or
17 inappropriate behavior. Jon indicated that this would not be a problem. Kate also
18 asked about whether the small wooden footbridge that goes over a marshy area on
19 the southeastern corner of the pond would be moved and/or rebuilt. Nate indicated
20 that the footbridge may not be necessary once the inlet pipes are moved back, but
21 that that decision could be made later. Debbie asked about whether benches could
22 be installed. Jon indicated that decisions about smaller amenities like benches could
23 be deferred until after the planting is complete. He also noted that there is a way for
24 residents to donate park benches via Friends of East Goshen.

25
26 Kate made a motion to authorize the sending of the draft letter to Marydell residents
27 inviting them to the March 7th meeting, as corrected. Jeff seconded. The motion
28 passed 7-0.

29
30 Concern was raised about dangers that a dredged pond could pose for residents,
31 particularly children and teenagers who may attempt to illegally ice skate or swim
32 in the soon-to-be-deeper pond. Jon suggested that the Township purchase a number
33 of signs for placement around the pond stating that swimming and ice skating are
34 prohibited. Jon also agreed to contact the Township's insurance broker regarding
35 any additional best practices for the dredged pond with regard to mitigating future
36 risk.

37
38 Discussion ensued about the role of the committee in overseeing and assisting
39 Public Works in the location of plantings. Jim, Mary Ellen, Kate, Debbie, Jeff and
40 Erich Meyer agreed to meet with Public Works to discuss staking and/or locating
41 various plantings. Jon agreed to calendar this issue for mid-September to ensure
42 that this group can find a mutually agreeable time to meet with Mark Miller prior to
43 Public Works commencing planting. In addition, the committee agreed to meet again
44 in late 2019 or early 2020 to develop a long-term maintenance plan with the
45 Township.

1 **Adjournment**

2 There being no further business, Jeff made a motion to adjourn at 8:20pm. Russ
3 seconded. The motion passed 7-0.

4

5 Respectfully submitted,

6 *Jon Altshul*

7 *Recording Secretary*



MARY DELL POND REHABILITATION

East Goshen Township

March 7, 2019

TIMELINE



May 2017

CB plants 12 trees to control erosion and cool water temps - inhibit algae blooms.;
Concerns from residents about trees blocking views and reverting to marshy wetland

June 2017

Township to undertake a comprehensive study of all 6 ponds

Fall 2017

As part of 2018 budget process, the BOS agrees to rehabilitate all 6 ponds, order undetermined

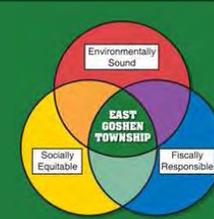
May – June 2017

Change.org petition started/230 signatories

July 2017

BOS accepts proposal from NLT to evaluate the ponds

TIMELINE



February 2018

NLT issued final report: "[Study of Ponds](#)"



March 2018

Rick Trailles (NLT) presents report to CB. BOS announces order of pond rehabilitation (Marydell #1). 13 volunteer member pond committee created

June 2018 - present

[Marydell Pond Committee](#) meets 7 times and works with Township staff/engineer to develop plan



June – Sept. 2018

Township staff/engineer obtain necessary permits

Fall 2018

PW drains pond and removes outfall structure. Dredging unsuccessful due to extreme rain



TIMELINE



March 2019

Pond Committee to present to Marydell residents and BOS

Mid-to-late Fall 2019 (est.)

PW to plant native plants, grasses and trees around pond with direction from Pond Committee

Summer 2019 (est.)

PW to dredge pond, install forebays and temp. seed the spoils

Early 2020 (est.)

Additional plantings around pond. Township to develop long-term maintenance plan for landscaping with input from Pond Committee

LANDSCAPE CONCEPT



Goals

- ◆ Preserve existing natural vegetation where possible
- ◆ Encourage native species
- ◆ Filter run-off
- ◆ Nutrient reduction
- ◆ Goose control
- ◆ Long term maintenance considerations
- ◆ Decrease mown turf areas
- ◆ Shade the southern exposure of pond to reduce thermal warming
- ◆ Establish Community resource - give families a place to fish and increase home values
- ◆ Optimize views from Barker Drive
- ◆ Provide multi season interest plantings
- ◆ Provide planting to attract birds and provide habitat
- ◆ Remove invasive species from site

INVASIVE SPECIES REMOVAL



Trees



Mimosa (*Albizia julibrissin*)



Vines



Oriental bittersweet (*Celastrus orbiculatus*)



Porcelain berry (*Ampelopsis brevipedunculata*)

INVASIVE SPECIES REMOVAL



Shrubs



Tartarian honeysuckle (*Lonicera tatarica*)

Multiflora Rose (*Rosa multiflora*)



LANDSCAPE CONCEPT

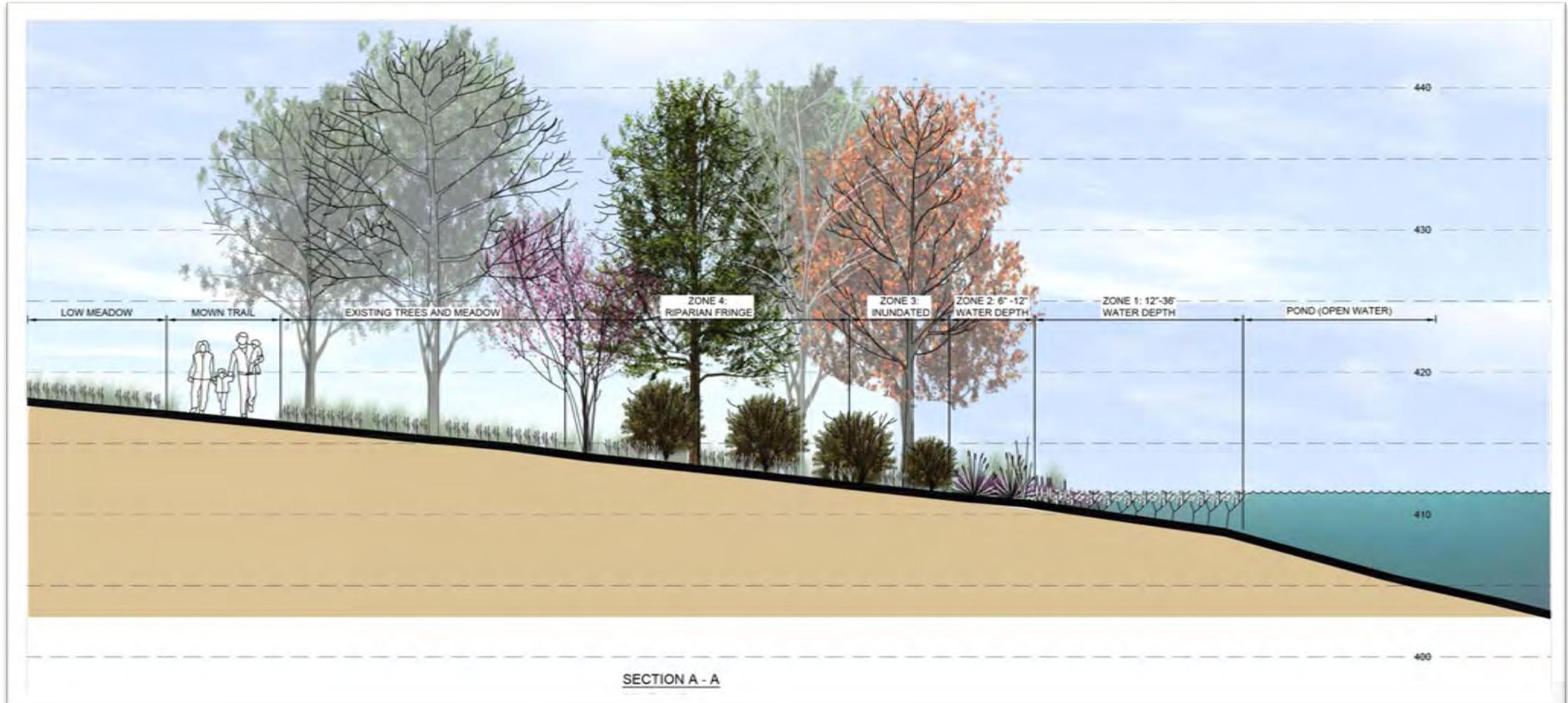


- ◆ Preserve views of pond
- ◆ Provide access to pond
- ◆ Low native wildflower & grasses meadow
- ◆ Zone vegetative buffer approach surrounding pond
- ◆ NO wetland disturbance
- ◆ Informal mown lawn paths

LANDSCAPE CONCEPT



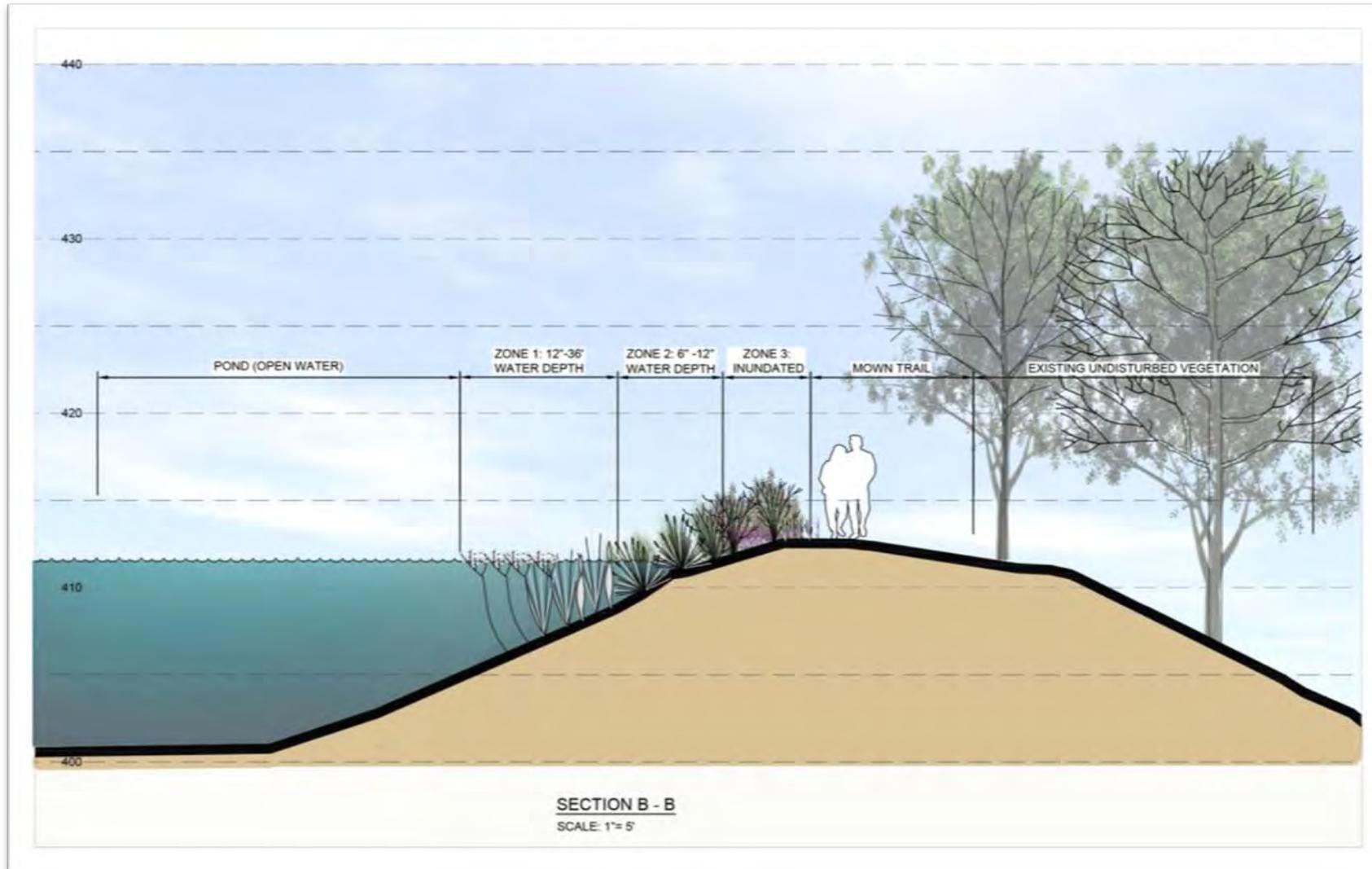
Section A



LANDSCAPE CONCEPT



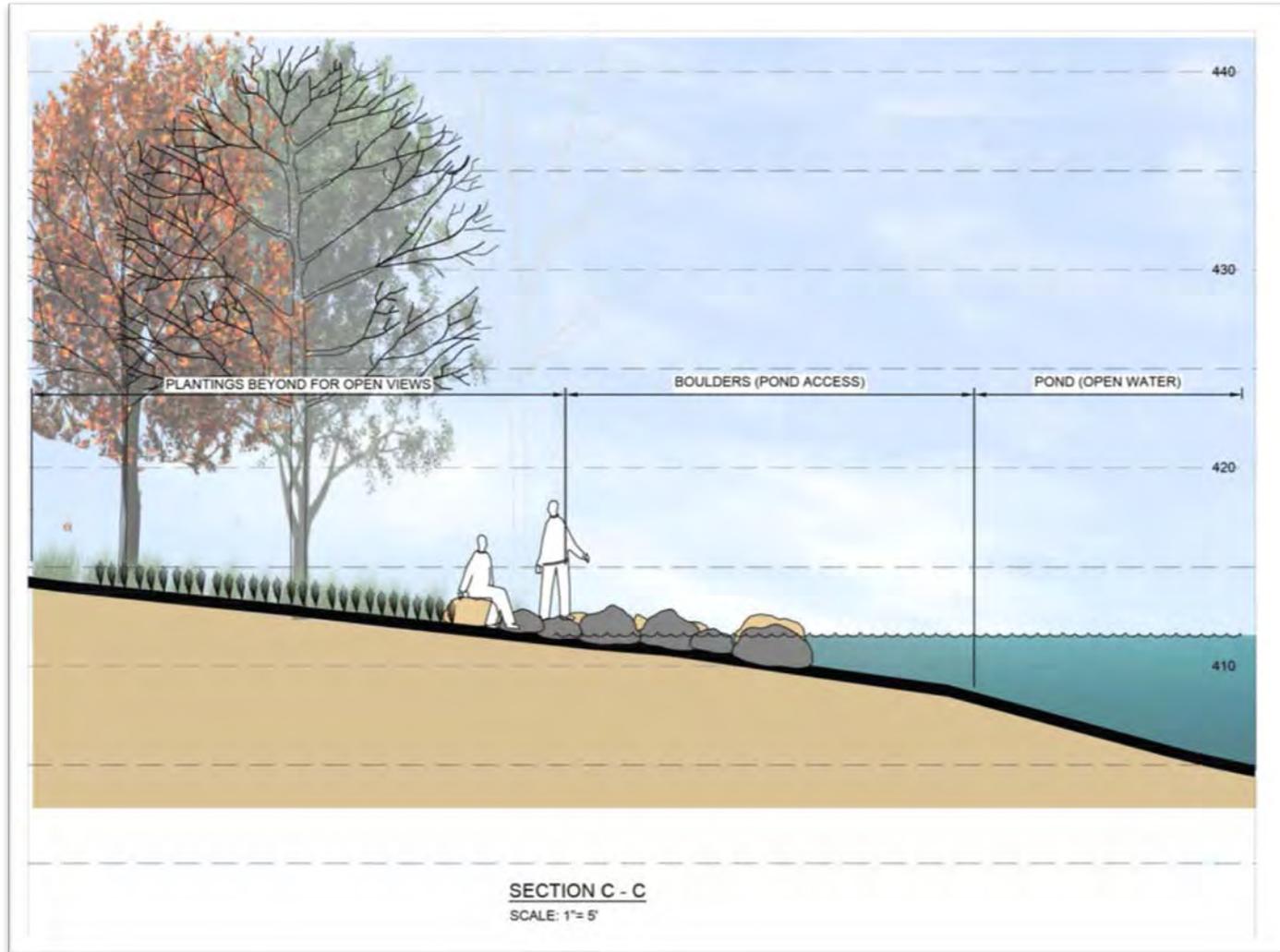
Section B



LANDSCAPE CONCEPT



Section C



LANDSCAPE CONCEPT



Zone 1: 12" – 36" water depth

- ◆ water lily (*Nymphaea odorata*)
- ◆ duckweed (*Lemna* spp.)
- ◆ duck potato (*Saggitaria latifolia*)
- ◆ sago pondweed (*Potamogeton pectinatus*)
- ◆ redhead grass (*Potamogetonperfoliatus*).

Zone 2: 6" – 12" water depth

- ◆ water plantain (*Alisma plantago-aquatica*)
- ◆ three-sided sedge (*Dulchium arundinaceum*)
- ◆ managrasses (*Glyceria* spp.)
- ◆ soft rush (*Juncus effusus*)
- ◆ arrow arum (*Peltandra virginica*)
- ◆ smartweeds (*Polygonum* spp.)
- ◆ pickerelweed (*Pontederia cordata*)
- ◆ many bulrushes (*Scirpus* spp.)
- ◆ giant bur-reed (*Sparganium eurycarpum*)

LANDSCAPE CONCEPT



Water lily



Bull rush



Pickerelweed



Soft rush



Duck potato



three-sided sedge



Zone 3: Regularly Inundated

- ◆ river birch (*Betula nigra*)
- ◆ willow oak (*Quercus phellos*)
- ◆ swamp white oak (*Quercus bicolor*)
- ◆ sweetgum (*Liquidambar styraciflua*)
- ◆ American sycamore (*Platanus occidentalis*)
- ◆ serviceberry (*Amelanchier* spp.)
- ◆ sweet bay magnolia (*Magnolia virginiana*)
- ◆ highbush blueberry (*Vaccinium* spp.)
- ◆ red osier/silky dogwood (*Cornus stolonifera/amomum*)
- ◆ grey dogwood (*Cornus racemosa*),
- ◆ arrowwood (*Viburnum dentatum*)
- ◆ spicebush (*Lindera Benzoin*)
- ◆ sweet pepperbush (*Clethra alnifolia*)
- ◆ winterberry (*Ilex verticillata*)
- ◆ inkberry holly (*Ilex glabra*)

LANDSCAPE CONCEPT



River birch



Willow oak



Serviceberry



High bush blueberry



Spice bush



Inkberry holly



Winterberry holly