

CITY OF BIRMINGHAM MUSEUM BOARD SPECIAL MEETING JOINT WORKSHOP AGENDA DEPARTMENT OF PUBLIC SERVICES 851 S. ETON, BIRMINGHAM, MI 48009 Tuesday, January 16, 2018 6:00 PM

Mission Statement: The Birmingham Museum will explore meaningful connections with our past, in order to enrich our community and enhance its character and sustainability. Our mission is to promote understanding of Birmingham's historical and cultural legacy through preservation and interpretation of its ongoing story.

- 1. Call to Order
- 2. Roll Call
- 3. Introduction of Members of the Parks and Recreation Board, the Historic District Commission and the Museum Board
- 4. Presentation of Conceptual Landscape Master Plan—Brian Devlin, Nagy Devlin Land Design

A. Heritage Zone

- i. Parks and Recreation Board comments
- ii. Historic District Commission comments
- iii. Museum Board comments
- iv. Public comments

B. Transition Zone

- i. Parks and Recreation Board comments
- ii. Historic District Commission comments
- iii. Museum Board comments
- iv. Public comments

C. Riverine Zone

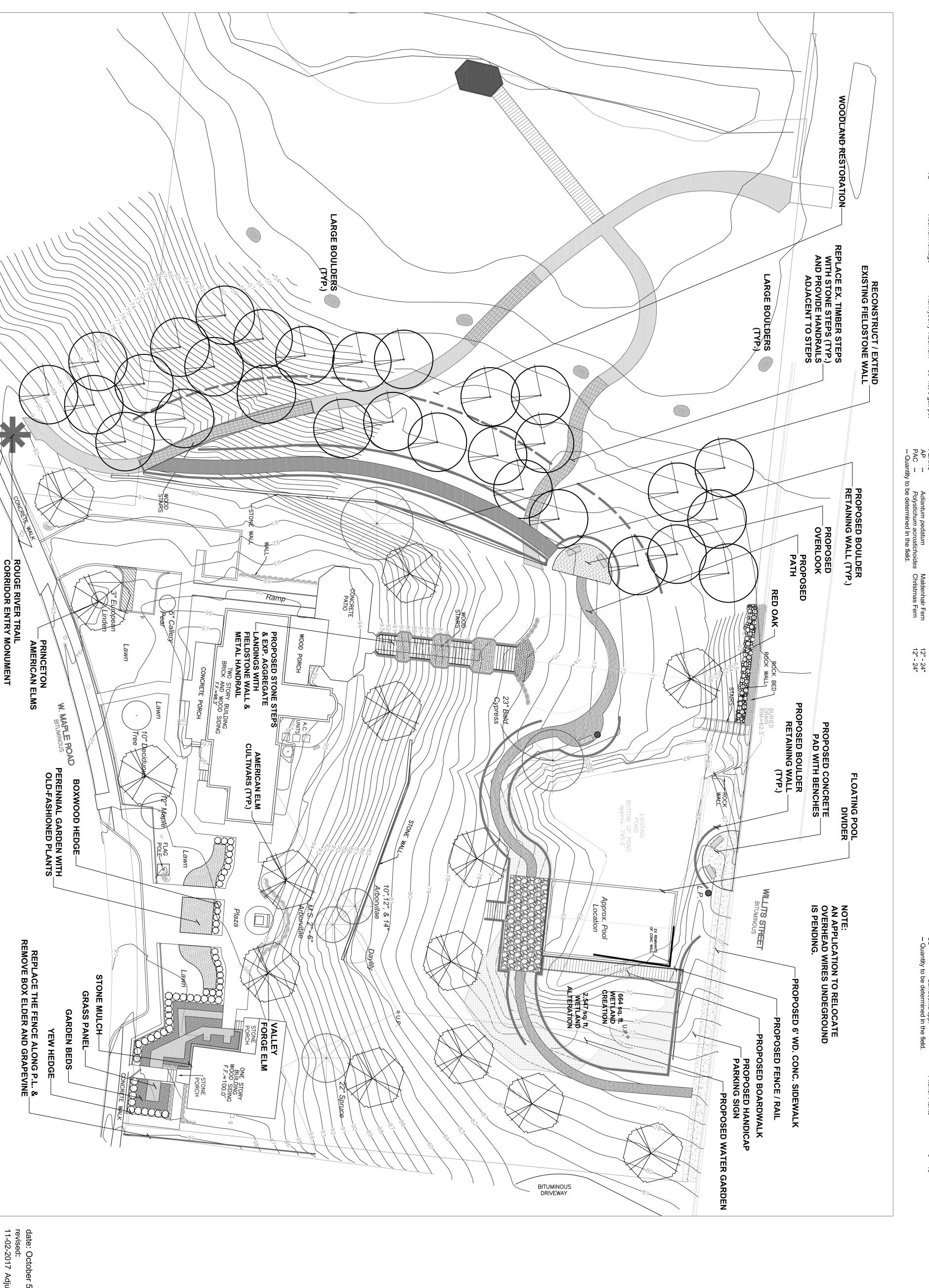
- i. Parks and Recreation Board comments
- ii. Historic District Commission comments
- iii. Museum Board comments
- iv. Public comments

D. Pond Zone

- i. Parks and Recreation Board comments
- ii. Historic District Commission comments
- iii. Museum Board comments
- iv. Public comments

5. Adjournment

NOTICE: Individuals with disabilities requiring accommodations for effective participation in this meeting should contact the city clerk's office at (248) 530-1880 (voice), or (248) 644-5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance. APPROVED MINUTES OF THE MUSEUM BOARD MEETINGS ARE AVAILABLE IN THE CITY CLERK'S OFFICE AND ON THE CITY WEBSITE AT www.bhamgov.org. City of Birmingham, 151 Martin, Birmingham, MI 48009; 248.530.1800. Persons with disabilities that may require assistance for effective participation in this public meeting should contact the City Clerk's Office at the number (248) 530-1880, or (248) 644-5115 (for the hearing impaired) at least one day before the meeting to request help in mobility, visual, hearing, or other assistance. Las personas con incapacidad que requieren algún tipo de ayuda para la participación en esta sesión pública deben ponerse en contacto con la oficina del escribano de la ciudad en el número (248) 530-1800 o al (248) 644-5115 (para las personas con incapacidad auditiva) por lo menos un dia antes de la reunión para solicitar ayuda a la movilidad, visual, auditiva, o de otras asistencias. (Title VI of the Civil Rights Act of 1964).



PLANT LIST - WOODLAND RESTORATION
KEY QTY. BOTANICAL NAME COMMON NAME SIZE/HT.

Amelanchier arborea Cornus alternifolia Carpinus caroliniana Ostrya virginiana

Downy Serviceberry Pagoda Dogwood Musclewood American Hophornbe

2" cal. B&B 1" cal. B&B 2" cal. B&B 2" cal. B&B

Wild Ginger
Jack-in-the-Pulpit
Spring Beauty
Wild Geranium
Round-Lobed Hepa
Mayapple
Solomon's Seal
Bloodroot
Black Snakeroot
False Solomon's Solo

6" - 12" 12" - 30" 6" - 12" 12" - 18" 4" - 6" 12" - 24" 12" - 36" 6" - 12" 12" - 48" 12" - 36" 9" - 18"

Late Spring
Spring
Spring
kLate Spring
Late Spring
Late Spring
Spring
Spring
Spring/Sumn
Late Spring

Maidenhair Fern Christmas Fern

12" - 24" 12" - 24"

Sugar Maple Northern Hackberry Tuliptree

2" - 2-1/2" cal. B&B 2" - 2-1/2" cal. B&B 2" - 2-1/2" cal. B&B

BOTANICAL NAMI Viburnum lentago

COMMON NAME
Nannyberry Viburni

SIZE / HT. 130" ht., 5 gal. pot

FLOWER COLOR FLOWERING TIME

PLANT LIST - WATER GARDEN
KEY QTY. BOTANICAL NAME COMMON N

COMMON NAME

E / HT.

Andromeda glaucaphylla Chamaedaphne calyculata Gaultheria hispidula Kalmia poliifolia Ledum groenlandicum Lerix laricina 'Girard's Dwarf' Vaccinium macrocarpa

nt., 3 gal. pot nt., 3 gal. pot

Menyanthes trifoliata
Drossera spp.
Pogonia ophioglossoides
Spiranthes cernua
Sarracenia spp.
be determined in the field.

12¹ 20¹ 18¹

COST ESTIMATE

Witch-Hazel Spicebush Arrowwood Viburnum Nannyberry Viburnum

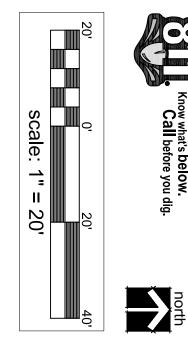
36" ht. B&B 30" ht., 5 gal. pot 30" ht., 5 gal. pot 30" ht., 5 gal. pot

date: October 5, 2017
revised:
11-02-2017 Adjust for pond
survey.
01-04-2018 Refine plan.
01-05-2018 Minor adjustments.

Know what's below. Call before you dig.	LANDSCAPE PLAN BY: Nagy Devlin Land Design 31736 West Chicago Ave. Livonia, Michigan 48150 (734) 634 9208	LANDSCAPE PLAN FOR: City of Birmingham 151 Martin Street Post Office Box 3001 Birmingham, Michigan 48012-3001 (248) 530-1808
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PROJECT LOCATION:
Birmingham Museum/
John West Hunter Park
556 West Maple Road
Birmingham, Michigan
48009

Leslie Pielack, Director (248) 530 1928



scale

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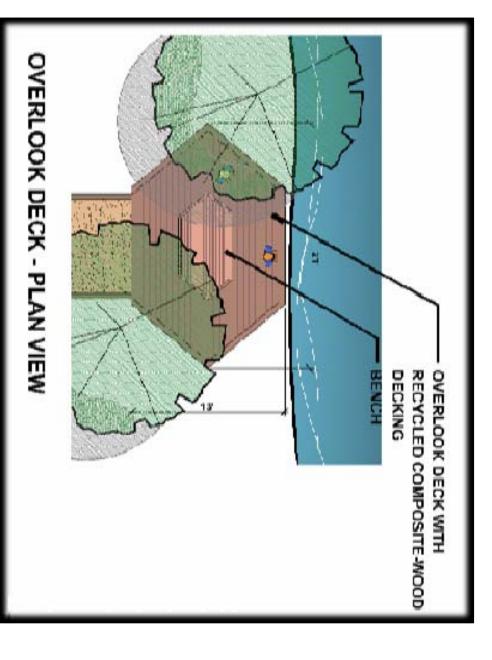
20'

LANDSCAPE DEVELOPMENT PLAN

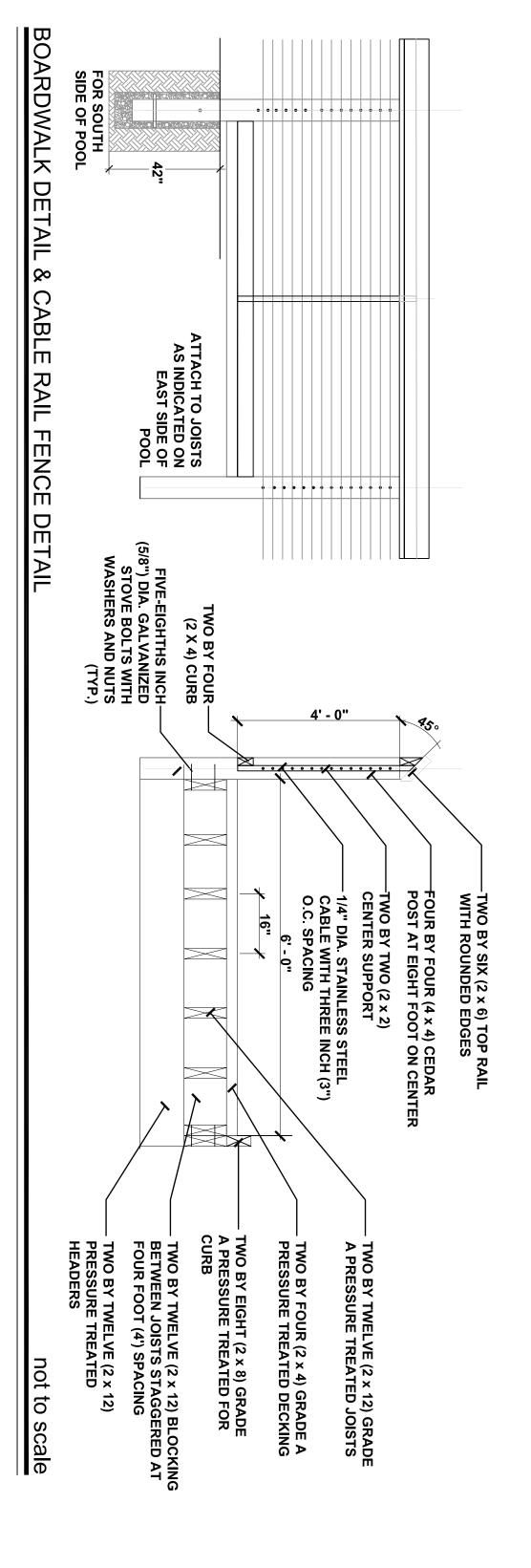
* Base data provided by Client from Atwell Hicks & HRC	MASTER PLAN	LANDSCAPE	CONCEPTUAL	CLP - \
d by	AN	PE	AL	<u>-</u>

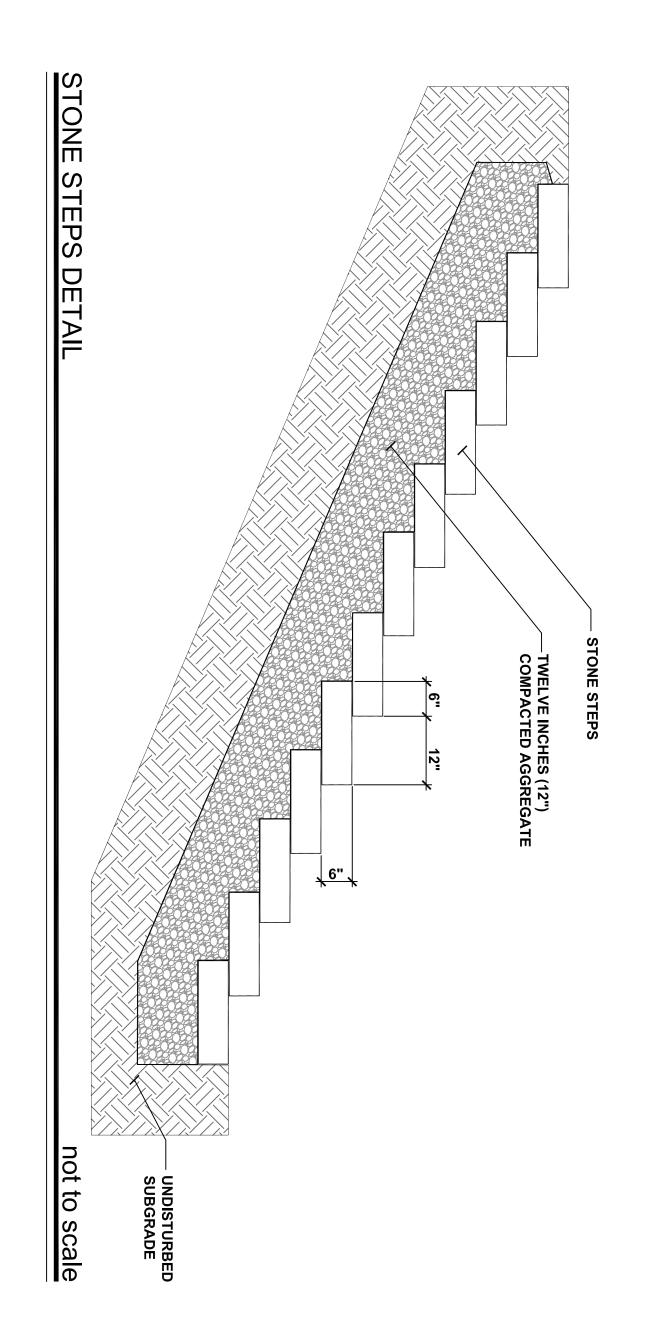
Pool Restoration:	Total	* New Plant Material: * Benches: * Invasive Species Eradication: Subtotal	one Pad: landrail:	s: nestone Path:	* Large Boulders: 6 * Stone Wall: 320 f.f.	WOODLAND / RIVERINE ZONE * Tree Removal: * Roulder Retaining Walls: 2.4	Subtotal		* Benches: 2 \$350	* Wood & Cable Rail Fence:	* Boardwalk:	* Stone Walls: 260 f.f. \$120 f.f. * Crushed Limestone Path: 1 220 s.f. \$6 s.f.	າg Wa	* Shrub Removal:* Pond Dredging: \$85,0	POND ZONE: * Tree Removal:	Subtotal	 New Plant Material: Deciduous Trees 	Stone Steps:* Exposed Aggregate Conc.		TRANSITION ZONE: * Tree Removal:	Subtotal	* Metal Edging:	* Wood Fence:	Winter Gem Boxwood	Densiformis Yew	Deciduous Trees	* Tree Removal:	AREA HERITAGE ZONE:	
		n: 2	290 s.f. \$6 s.f. 190 l.f. \$25 l.f.	-	6 320 f.f.	15 80 f f		670 s.f. \$22 s.f.	1,040 s.	96 l f	360 s.f. \$65 l.f.	260 f f	,120 f f	\$85,000 / ac.	12	Ć	נט	340 s.t 400 s.f	520 f.f.	ω	<u> </u>	48 l f	80 l.f.	25	30	ω	4	QTY.	
		\$350	\$6 s.f \$251f	\$60 s f	\$1,500 \$1,500 \$120 f f	\$500 \$35 f f		\$22 s.f	5350 s.r.	\$25 l.f.	\$65 l.f	260 f.f. \$120 f.f. 220 s.f. \$6 s.f	\$35 f.f.	0.12 ac	\$500	0	\$650	\$80 s.t \$18 s.f		\$500 ea.	ψ,	\$10 l f	\$30 l.f.	\$120	\$120	\$650	\$500	COST	
\$180.000.00	\$528,035.00	\$25,000.00 \$700.00 \$12,000.00 \$232,350.00	\$1,740.00	\$26,160.00 \$6.300.00	\$9,000.00	\$7,500.00	\$172,480.00	\$14,740.00	\$700.00	\$2,400.00	\$23,400.00	\$31,200.00 \$7,320.00	\$39,200.00	\$4,000.00 \$10,200.00	\$6,000.00	\$101,550.00	\$3 250 <u>0</u> 00	\$27,200.00 \$7,200.00	\$62,400.00	\$1.500.00	\$21,655.00	\$480.00 \$225.00	\$2,400.00	\$3,000.00	\$3,600.00	\$1,950.00	\$4,000.00	TOTAL	

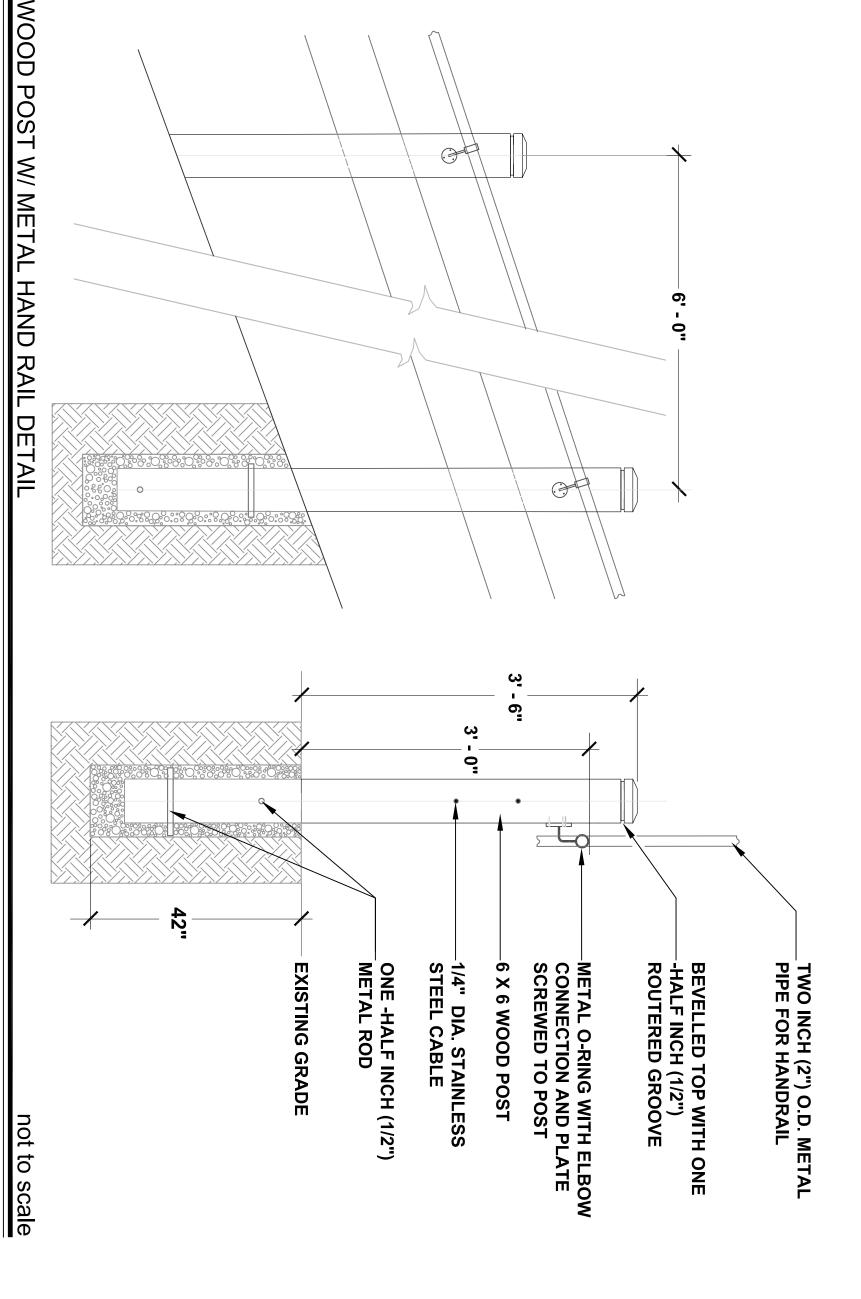
Pool Restoration:	Subtotal	* Benches: * Invasive Species Eradication:	* River Overlook: * New Plant Material:	* Crushed Limestone Pad:* Wood & Metal Handrail:	• •	* Stone Wall:	lers:		* New Plant Material: Subtotal	* Stone Patio: (* Concrete Sidewalk & Pad: 1,040 s.f. \$8 s.f	* Wood & Cable Rail Fence:	* Crushed Limestone Path: 1,220 s.f. \$6 s.f.	* Stone Walls: 260 f.f.	* Pond Dredging: \$85,0	* Shrub Removal:	POND ZONE:	Deciduous Trees Subtotal	al.		=	TRANSITION ZONE: * Tree Removal:	Subtotal		* Wood Fence:	* Cordon Bod Dropportion:	Densiformis Yew	Deciduous Trees	* Tree Removal:	AREA HERITAGE ZONE:	
		 2		290 s.f 190 l.f.	1,050 s.f \$6 s.f	320 f.f.	-	15		670 s.f. \$22 s.f.	1,040 s.	360 S.T. \$65 I.T. 96 I.f. \$25 I.f.	,220 s.f	260 f.f.		12	5	Ŋ	 	340 s.f.	520 f.f	ယ	o c.y.	48 l.f.	80 l.f.	25	38	ω	4	QTY.	
		\$350		290 s.f. \$6 s.f 190 l.f. \$25 l.f	\$6 s f	\$120 f.f. \$60 s f	\$35 T.T. \$1,500	\$500		\$350 \$22 s.f.	f \$8 s f	\$65 I.T \$25 I.f	\$6 s f	260 f.f. \$120 f.f.	0 12 ac	\$500	9 0 0	\$650		\$80 s.f.	\$120 f.f.	\$500 ea.	Ф/ЭСУ	\$10 l.f.	\$30 l f	\$120	\$120	\$650	\$500	COST	
\$180,000.00	\$232,350.00	\$700.00 \$12,000.00	\$14,000.00 \$25,000.00	\$1,740.00 \$4,750.00	\$6,300.00	\$38,400.00 \$26,160.00	\$9,000.00	\$7,500.00	\$25,000.00 \$172,480.00	\$14,740.00	\$8,320.00	\$23,400.00 \$2,400.00	\$7,320.00	\$39,200.00	\$10,200.00	\$4,000.00		\$3,250.00 \$101,550.00	Ψ΄, ΔΟΟ.ΟΟ	\$27,200.00	\$62,400.00	\$1.500.00	\$21,655.00	\$480.00	\$2,400.00	\$3,000 <u>.</u> 00	\$3,600.00	\$1,950.00	\$4,000.00	TOTAL	

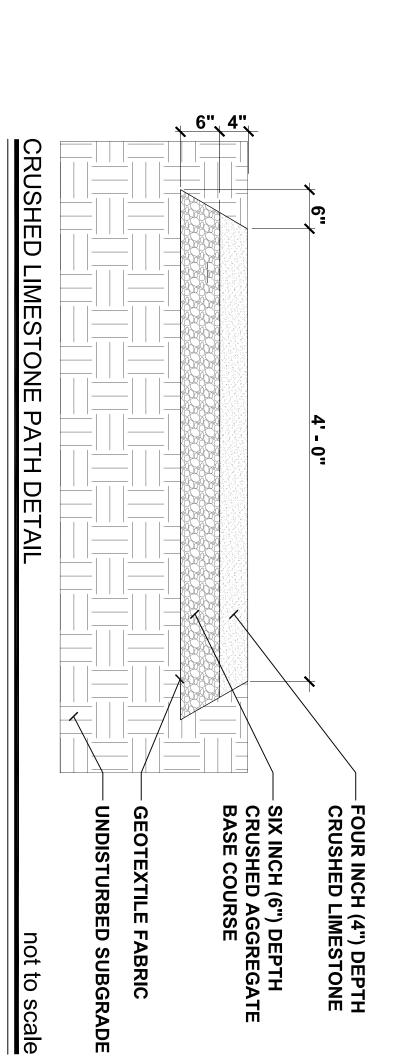


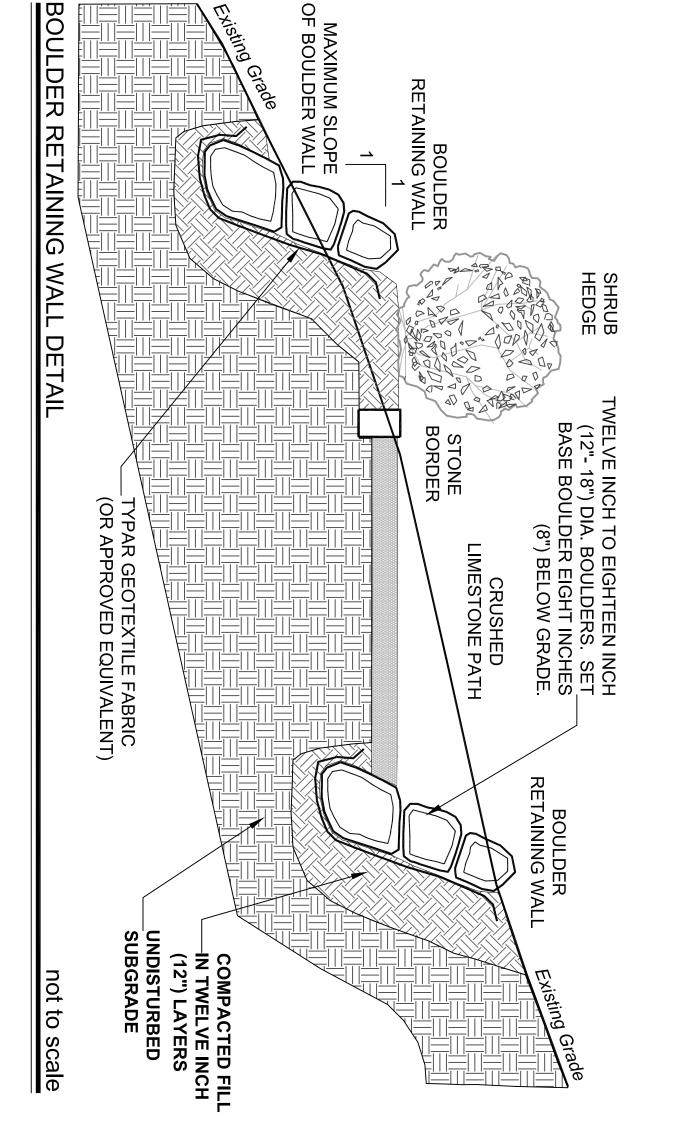
From the *Rouge River Trail Corridor Master Plan* City of Birmingham. for











NOTES FOR CONTROL OF *Phragmites* WITH HERBICIDES:

PLANT DESCRIPTION

Common Reed, *Phragmites ausralis* subsp. *australis*, is a warm-season perennial grass with a rigid, hollow stem that grows between six feet and thirteen feet (6' - 13') in height. The leaves are flat, smooth, and green to grayish-green and the flowers grow as dense branched clusters on the end of each stem that are open and feathery at maturity. It is often found in ditches, swales, wetlands, and on stream banks and pond banks.

Common Reed has become an invasive species as it outcompetes native vegetation lowering local plant

diversity.

Common Reed can be eradicated with a long-term management strategy that may include burning, mechanical methods (mowing or hand pulling), and / or herbicides. The following guidelines utilize a management program to control *Phragmites* with the application of herbicides.

(Information from the State of Michigan and Wikipedia.)

1. The first step in the control of *Phragmites* is the application of herbicides. Glyphosate and imazapyr are two (2) herbicides effective in controlling *Phyragmites*. Imazapyr can be used in combination with glysophate to provide control over *Phragmites* for a longer period of time but can also be used alone for effective control. *Phragmites* should be treated in early to late summer (June through September) when using imazapyr or late summer (August through September) when using glyphosate or a imazapyr/glyphosate mixture to achieve the best results. These herbicides are non-selective and will affect any plant which is contacted by the solution. The application and rate of application.

Methods of application depend on the size of the *Phragmites* stand and existing site conditions. Scattered plants or isolated plant stands may be treated by injecting stems, hand swiping, or selective hand spraying. Large stands may require the use of commercial equipment. The application of herbicides should be conducted by a licensed or certified applicator to provide the best method for eradication of the *Phragmites* while minimizing damage to native plants and following best management practices for required safety

Either herbicide should be used in a formulation that is specifically approved for use in wet areas.

2. The next step in the eradication of *Phragmites* is to mow or cut the dead plant material after the herbicide treatment. This process should not occur until at least two (2) weeks after the herbicide treatment to allow maximum exposure to the herbicide. Mowing or cutting of the treated plants is recommended during late summer to fall (August to first hard frost) or in the winter when the ground is frozen. Hand cutting is effective for removing individual plant stems or very small stands but a brush cutter is more effective for large dense stands. The cutting blade should be set to a mowing height of greater than four inches (4") to help minimize any impact to small mammals and native plants. Any equipment used to manage *Phragmites* should be cleaned of all debris before removing it from the treatment site to prevent the spread of seeds or rhizomes to other sites. If the plants are mowed or cut, the plant material should be immediately collected and bagged to prevent the spread of seeds and disposed of properly.

3. Reseeding of the treated area:

Since Glyphosate does not persist in the soil for an extended period of time, reseeding of the desired seed mix can occur after the mowing or cutting process has been completed.

Imazapyr remains in the soil for a much longer period of time, therefore, reseeding of the desired seed mix should not occur for a year after the application treatment.

4. Annual monitoring shall be conducted in mid to late summer. Any individual plants should be treated and removed by hand techniques as described above to insure that *Phragmites* does not become reestablished. Ņ

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NOTES FOR CONTROL 유 GARLIC MUSTARD:

DESCRIPTION

Garlic Mustard, *Alliara petiolata*, is an herbaceous biennial flowering plant that smells like garlic when crushed. The plant produces heart-shaped basal rosettes (leaves) that appear in year one at ground level. In the second year, stems shootup to one foot to four feet (1' - 4') in height and develop flowers and seeds while the leaves become more toothed and triangular in shape. In early Spring, clusters of tiny, white, four-petaled flowers bloom before the overstory trees leaf out. The seed pods aree green, long, and narrow and look like stems, turning brown in the Fall. Garlic Mustard thrives in woodlands because it can tolerate

Garlic Mustard has become an invasive that spreads quickly through woods outcompeting understory plants deep shade

including tree saplings. (Information from the State of Michigan.)
Garlic Mustard can be eradicated with a long-term management strategy that may include prescribed burning, manual and mechanical methods (mowing or hand pulling), and / or herbicides. The following guidelines utilize a management program to control *Phragmites* with the application of manual and mechanical methods.

Care should be taken to disturb the soil as little as possible since the disturbance can encourage seeds sprouting from the existing seed bank. Hand pulling of Garlic Mustad plants may be limited to year one plants. In conjunction with hand pulling, the management progran can include the removal of just the flowers and seedheads. With this method it is important repeat the procedure multiple times during the growing season. The goal is to eliminate the individual plants while reducing the potential seed bank and minimizing soil disturbance and desirable plant damage or elimination.

2. Another manual technique is cutting the stem at ground level with a weed whip or other cutting device. This method is best employed in the second year of plant growth especially during a period of drought when the plant is already stressed. The resulting vegetative debris should be entirely removed from the site and discarded in a manner that does not allow seeds to escape and colonize other areas. Care should be taken to clean all tools used thoroughly including clothing and footwear to minimize any accidental seed dispersion.

The successful elimination of Garlic Mustard is a process that will take several years and must be attempted with a sustained, long-term management approach.

(Informatiom from the Natural Resources Conservation Service.)

Nagy Devlin Land Design 31736 West Chicago Ave. Post Office Box 3001 (734) 634 9208 Livonia, Michigan (248) 530-1808 48012-3001 Birmingham, Michigan 151 Martin Street LANDSCAPE PLAN FOR: ANDSCAPE PLAN BY: of Birmingham 48150 PROJECT LOCATION: Birmingham Museum/ John West Hunter Park 556 West Maple Road Leslie Pielack, Director (248) 530 1928 Birmingham, Michigan 48009



CLP -

revised: 01-05-2018



DETAILS

Historic Images of Pond and Pool at Allen House, c 1930s and c1950s



