

CITY OF WAYZATA



MEMORANDUM

To: Wayzata City Council
From: Mike Kelly, City Engineer
Date: 6/13/2014
Re: LHB Workshop

LHB presented a revised concept to the Council at a workshop on April 15th. They have been working to refine the concepts and prepare a preliminary cost estimate.

Attached you will find the original concept sketches, presented on April 15 as well as a preliminary, base landscape plan for the corridor. Also attached is a cost estimate for the items detailed on the concept drawings. The cost estimate has been organized in a “menu” format so the Council can prioritize projects, based on budget.

Additional discussion at the workshop will include the design of the play area proposed for the east side of the Presbyterian Homes project. I have attached a plan showing the proposed layout of equipment and landscaping. We will also discuss whether the Council desires a pedestrian connection to/from the play area to Circle A Drive.

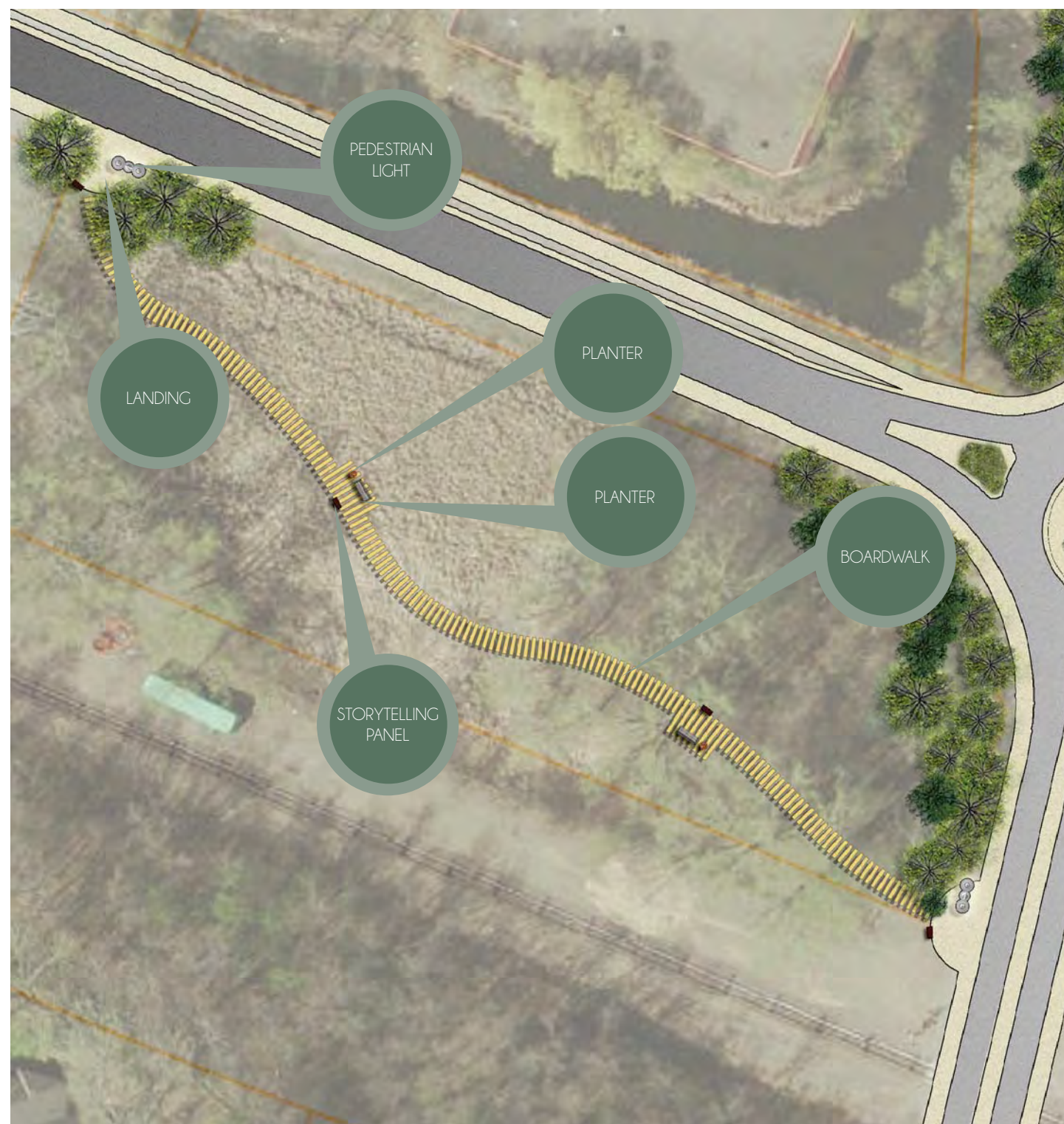
Finally, we will have a brief discussion on pedestrian connectivity along Circle A Drive.



- streetscape features are clustered (lights, railings, annual plantings, trees)
- patterns might intersect at the roundabout “Mini Woods”
- a boardwalk across the Eastman parcel wetland engages pedestrians
- the existing “tunnel” of landscape just west of Bushaway Road is enhanced
- plantings and walls highlight the corridor nearest Bushaway Road
- three locations connect the public realm to the lakeshore:
 - a zone of about 150 feet where terraces step down towards the lake
 - the Arlington right-of-way is transformed as a subtle park with a pavilion
 - a raised overlook at the lagoon highlights boat building history
- landscape elements might be chosen for their capacity for movement in wind (quaking aspen, native grasses in monocultures)
- all concepts may be superimposed with elements of storytelling--expressing the history and culture of Wayzata in subtle ways

Refined Concept

Landscape Opportunities for East Lake Street and Eastman Lane



WETLAND BOARDWALK



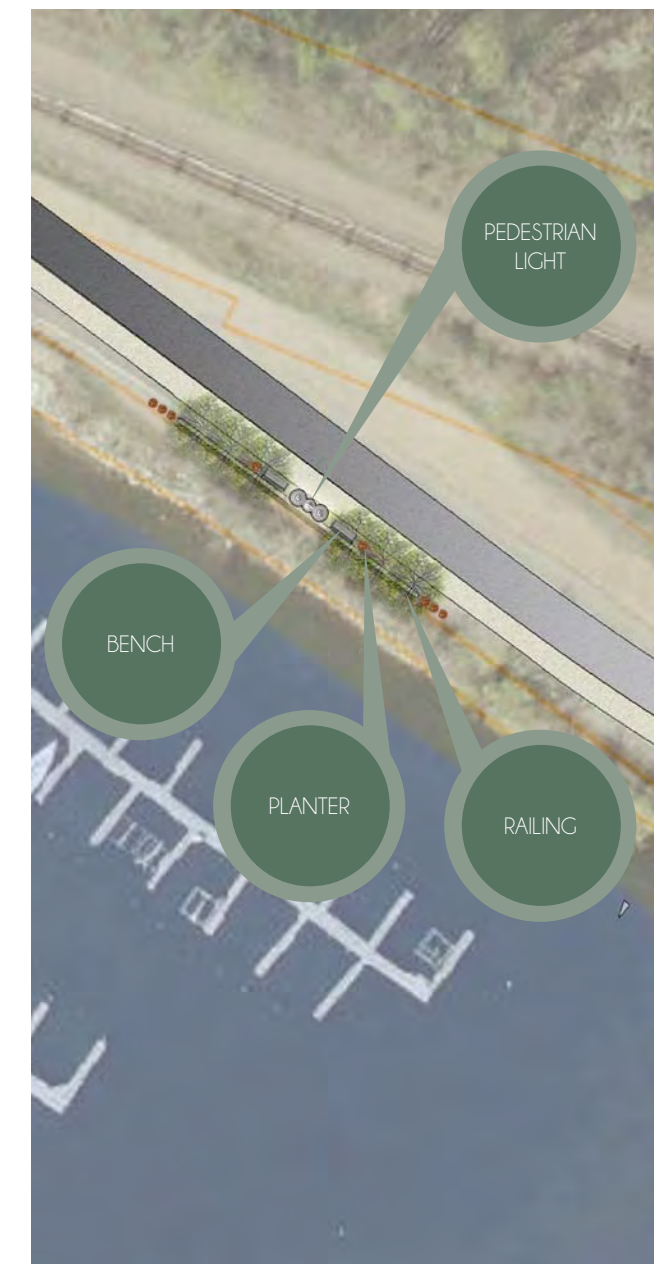
MINI WOODS



ARLINGTON PARK/TRAIL



LAGOON OVERLOOK



STREETSCAPE CLUSTER



LAKE SHORE TERRACES



BUSHAWAY INTERSECTION



PERFORMANCE
DRIVEN DESIGN.
LHBcorp.com

21 W. Superior St., Ste. 500 | Duluth, MN 55802 | 218.727.8446

CLIENT:
CITY OF WAYZATA

600 Rice Street East
Wayzata, MN 55391

THIS SQUARE APPEARS 1/2" x 1/2" ON
FULL SIZE SHEETS.

NO DATE ISSUED FOR

NO DATE REVISION

PRELIMINARY
NOT FOR CONSTRUCTION
XX-XX-2014

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PROJECT NAME:
EASTMAN LANE
STREETSCAPE

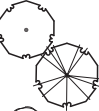
Eastman Lane
Wayzata, MN

DRAWING TITLE:
ENLARGED LANDSCAPE PLAN

FILE: .\130445\600 Drawings\LA1\30445 L1.1.dwg
DRAWN BY: TFN
CHECKED BY: LAM
PROJ. NO: 130445
DRAWING NO:

L1.1

PLANT SCHEDULE L1.1

TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT
	CC	33	Cercis canadensis / Eastern Redbud	1 1/2" CAL.
	GK	4	Gymnocladus dioica / Kentucky Coffee Tree	2 1/2" BB
	MA	11	Maackia amurensis / Amur Maackia	2 1/2" BB
	MP	14	Malus x 'Prairifire' / Prairifire Crab Apple	1 1/2" CAL.
	QM	14	Quercus macrocarpa 'Urban Pinnacle' / Bur Oak	2 1/2" BB
	TL	2	Tilia americana / American Linden	2 1/2" BB
	UP	8	Ulmus americana 'Princeton' / American Elm	2 1/2" BB
SHRUBS	CODE	QTY	BOTANICAL NAME / COMMON NAME	SIZE
	PM	23	Pinus mugo / Mugo Pine	#5 CONT.



0 25' 50' 100'

1

WEST END OF PLANTING PLAN
Scale: 1" = 50'



PERFORMANCE
DRIVEN DESIGN.
LHBcorp.com

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PROJECT NAME:
EASTMAN LANE
STREETSCAPE

Eastman Lane
Wayzata, MN

DRAWING TITLE:
ENLARGED LANDSCAPE PLAN

FILE: ..130445600 Drawings\LA130445 L1.2.dwg
DRAWN BY: TFN
CHECKED BY: LAM
PROJ. NO: 130445
DRAWING NO:

L1.2

PLANT SCHEDULE L1.2

TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT
	CC	11	Cercis canadensis / Eastern Redbud	1 1/2" CAL.
	GK	10	Gymnodadus dioica / Kentucky Coffee Tree	2 1/2" BB
	MA	11	Maackia amurensis / Amur Maackia	2 1/2" BB
	MP	9	Malus x 'Prairifire' / Prairifire Crab Apple	1 1/2" CAL.
	TL	14	Tilia americana / American Linden	2 1/2" BB
	UP	13	Ulmus americana 'Princeton' / American Elm	2 1/2" BB



1 EAST END OF PLANTING PLAN
Scale: 1" = 50'

East Lake Street and Eastman Lane Corridor Landscape Improvements

COST ESTIMATE

12-Jun-14

Estimate based on concept drawings prepared by LHB, Inc., dated 15 April 2014

Assumptions	
a	sidewalk on south side of Eastman Lane by others
b	bituminous path on north side of Eastman Lane by others
c	service point sufficient for energizing lighting features can be established in the vicinity of the roundabout
d	
e	
f	
g	
h	permits and agency approvals facilitated by the city

Item	Feature	Component	Description	Quantity	Unit	Unit Price	Amount	Component subtotal	General conditions	Design contingency	Construction contingency	Component TOTAL
									8.00%	15.00%	25.00%	
1.00	Eastman landscape											
1.01		Site preparation	erosion control, traffic control, site clearing/removals	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 97,500.00	\$ 7,800.00		\$ 9,750.00	\$ 115,050.00
1.02		Planting: trees		100	EA	\$ 380.00	\$ 38,000.00				*10% C.C. for this group only	
1.03		"Prairie"	lower level native landscape allowing views from and lake breezes into Reno Street neighborhood	19000	SF	\$ 1.50	\$ 28,500.00					
1.04		Wetland enhancement		10000	SF	\$ 2.00	\$ 20,000.00					
1.05												
1.06												
1.07												
1.08												
1.09												
1.10												
1.11		Restoration	general restoration upon completion of work	1	LS	\$ 1,000.00	\$ 1,000.00					
1.12		Storytelling element(s)	interpretive panels along sidewalk	0	EA	\$ 4,000.00	\$ -					
2.00	Roundabout											
2.01		Site preparation	erosion control, traffic control, site clearing/removals	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 85,875.00	\$ 6,870.00	\$ 12,881.25	\$ 21,468.75	\$ 127,095.00
2.02		Soil preparation	removal of existing soils to create a suitable soil environment for plantings	1	LS	\$ 5,000.00	\$ 5,000.00					
4.06		Planting: trees (roundabout island)	trees that create the "mini-woods"	10	EA	\$ 380.00	\$ 3,800.00					
4.07		Planting: shrubs (roundabout island)	ground layer in "mini-woods"	500	SF	\$ 6.60	\$ 3,300.00					
4.08		Planting: perennials (roundabout island)	ground layer in "mini-woods"	500	SF	\$ 7.65	\$ 3,825.00					
4.09		Planting: trees (outside edge)	augmentation of trees along Circle A Drive, East Lake (east of roundabout), Arlington Avenue	30	EA	\$ 380.00	\$ 11,400.00					
4.10		Planting: shrubs (outside edge)	ground layer at periphery of roundabout	4000	SF	\$ 6.60	\$ 26,400.00					
4.11		Planting: perennials (outside edge)	ground layer at periphery of roundabout	1000	SF	\$ 7.65	\$ 7,650.00					
4.12		Irrigation	irrigation at roundabout and periphery of roundabout	1	LS	\$ 5,000.00	\$ 5,000.00					
4.13		Feature lighting	special lighting for constructed focus	1	LS	\$ 10,000.00	\$ 10,000.00					
4.14		Restoration	general restoration upon completion of work	1	LS	\$ 500.00	\$ 500.00					
4.15												
4.16		Storytelling element(s)	interpretive panels at outside edge of roundabout	1	EA	\$ 4,000.00	\$ 4,000.00					
3.00	Wetland boardwalk											
3.01		Site preparation	erosion control, traffic control, site clearing/removals, limited site clearing to allow space for entrances and boardwalk	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 140,780.00	\$ 11,262.40	\$ 21,117.00	\$ 35,195.00	\$ 208,354.40
3.02		Entrance element	widened sidewalk and entrance sign at each end of boardwalk	2	LS	\$ 7,000.00	\$ 14,000.00					

3.03	Lighting	street light at Arlington entrance, lighting at each seating area	1 LS	\$	10,000.00	\$	10,000.00							
3.04	Boardwalk	8 foot wide wood boardwalk	458 LF	\$	160.00	\$	73,280.00							
3.05	Seating area	widened boardwalk (16 feet wide by 16 feet long, incl bench, planter	2 EA	\$	8,000.00	\$	16,000.00							
3.06	Wetland restoration	limited restoration at seating areas	3000 SF	\$	3.00	\$	9,000.00							
3.07	Restoration (general)	general restoration upon completion of work	1 LS	\$	500.00	\$	500.00							
3.08														
3.09														
3.10														
3.11														
3.12	Storytelling element(s)	interpretive panels at entrances of and along boardwalk	2 EA	\$	4,000.00	\$	8,000.00							
4.00	Arlington streetscape													
4.01	Site preparation	erosion control, traffic control, site clearing/removals, limited site clearing to allow space for desired plantings	1 LS	\$	5,000.00	\$	5,000.00	\$	39,600.00	\$	3,168.00	\$	5,940.00	\$ 9,900.00 \$ 58,608.00
4.02	Planting: trees	trees along boulevard (and perhaps slightly beyond)	30 EA	\$	380.00	\$	11,400.00							
4.03	Planting: shrubs	ground layer along boulevard	2000 SF	\$	6.60	\$	13,200.00							
4.04	Restoration	general restoration upon completion of work	1 LS	\$	1,000.00	\$	1,000.00							
4.05	Constructed focus	sculptural feature marking Downtown Wayzata edge	1 EA	\$	5,000.00	\$	5,000.00							
4.06														
4.07														
4.08														
4.09														
4.10														
4.11														
4.12	Storytelling element(s)	interpretive panels along sidewalk	1 EA	\$	4,000.00	\$	4,000.00							
5.00	Arlington park/trail													
5.01	Site preparation	erosion control, traffic control, site clearing/removals	1 LS	\$	15,000.00	\$	15,000.00	\$	243,500.00	\$	19,480.00	\$	36,525.00	\$ 60,875.00 \$ 360,380.00
5.02	Grading/earthwork	shaping of earth to support "park"	1 LS	\$	15,000.00	\$	15,000.00							
5.03	Arlington amble (fire lane)	paved walkway supporting fire lane function and winter lake access, incl subgrade correction	4300 SF	\$	10.00	\$	43,000.00							
5.04	Lakeside courtyard	hard surfaced area at the terminus of the path (at lakeshore)	800 SF	\$	15.00	\$	12,000.00							
5.05	Dock	seasonal dock extending from lakeside courtyard	1 LS	\$	10,000.00	\$	10,000.00							
5.06	Shoreline restoration/stabilization	riprap and other restorative work at shoreline, incl stablizing lakebed for winter access	1 LS	\$	1,000.00	\$	1,000.00							
5.07	Planting; trees		30 EA	\$	380.00	\$	11,400.00							
5.08	Planting: shrubs		2000 SF	\$	6.60	\$	13,200.00							
5.09	Planting: perennials		2000 SF	\$	7.65	\$	15,300.00							
5.10	Planting: annual bed preparation		300 SF	\$	2.00	\$	600.00							
5.11	Turf establishment		3000 SF	\$	3.00	\$	9,000.00							
5.12	Irrigation		1 LS	\$	8,000.00	\$	8,000.00							
5.13	Furniture	benches, litter receptacles	1 LS	\$	10,000.00	\$	10,000.00							
5.14	Lighting	streetlight at entrance	1 LS	\$	2,500.00	\$	2,500.00							
5.15	Lighting	subtle lighting of amble and lakeside courtyard	1 LS	\$	5,000.00	\$	5,000.00							
5.16	Electrical service	service for lights and other elements	1 LS	\$	5,000.00	\$	5,000.00							
5.17	Fencing	separation from adjacent properties (visual, physical)	500 LF	\$	65.00	\$	32,500.00							
5.18	Public art	feature(s) along amble	1 LS	\$	5,000.00	\$	5,000.00							
5.19	Restoration	general restoration upon completion of work	1 LS	\$	1,000.00	\$	1,000.00							
5.20	Stormwater management	determine if required with ground disturbance and added hardcover	1 LS	\$	25,000.00	\$	25,000.00							
5.21	Storytelling element(s)	interpretive panels along path, at entrance, and at lakeside courtyard	1 EA	\$	4,000.00	\$	4,000.00							
6.00	Lagoon overlook													
6.01	Site preparation	erosion control, traffic control, site clearing/removals	1 LS	\$	5,000.00	\$	5,000.00	\$	22,426.00	\$	1,794.08	\$	3,363.90	\$ 5,606.50 \$ 33,190.48
6.02	Promontory	viewing area raised about Eastman sidewalk	1 EA	\$	10,000.00	\$	10,000.00							
6.03	Furniture	a bench and two plant pots	1 LS	\$	1.00	\$	1.00							
6.04	Railing		45 LF	\$	65.00	\$	2,925.00							

6.05																	
6.06																	
6.07																	
6.08																	
6.09																	
6.10																	
6.11	Restoration	general restoration upon completion of work	1 LS	\$	500.00	\$	500.00										
6.12	Storytelling element(s)	interpretive panels at promontory	1 EA	\$	4,000.00	\$	4,000.00										
7.00	Streetscape cluster (assume three clusters)																
7.01	Site preparation	erosion control, traffic control, site clearing/removals	3 LS	\$	3,000.00	\$	9,000.00	\$	119,340.00	\$	9,547.20	\$	17,901.00	\$	29,835.00	\$	176,623.20
7.02	Sidewalk	special walkway defining cluster if outside of planned walkway	600 SF	\$	10.00	\$	6,000.00										
7.03	Street lighting		3 LS	\$	5,000.00	\$	15,000.00										
7.04	Railing		300 LF	\$	65.00	\$	19,500.00										
7.05	Furniture	bench, planter, litter receptacle	3 LS	\$	5,000.00	\$	15,000.00										
7.06	Tree grates		18 EA	\$	1,500.00	\$	27,000.00										
7.07	Planting: trees		18 EA	\$	380.00	\$	6,840.00										
7.08	Irrigation		3 LS	\$	2,500.00	\$	7,500.00										
7.09	Restoration	general restoration upon completion of work	3 LS	\$	500.00	\$	1,500.00										
7.10	Storytelling element(s)	interpretive panels at each cluster	3 EA	\$	4,000.00	\$	12,000.00										
8.00	Lake terraces																
8.01	Site preparation	erosion control, traffic control, site clearing/removals	1 LS	\$	5,000.00	\$	5,000.00	\$	60,230.00	\$	4,818.40	\$	9,034.50	\$	15,057.50	\$	89,140.40
8.02	Grading/earthwork		1 LS	\$	10,000.00	\$	10,000.00										
8.03	Boulder/stone terrace walls		479 LF	\$	50.00	\$	23,950.00										
8.04	Street lighting	three pedestrian lights	1 LS	\$	6,000.00	\$	6,000.00										
8.05	Planting: trees		6 EA	\$	380.00	\$	2,280.00										
8.06	Turf establishment	salt tolerant sod	2500 SF	\$	3.00	\$	7,500.00										
8.07	Irrigation		1 LS	\$	1,000.00	\$	1,000.00										
8.08																	
8.09																	
8.10																	
8.11	Restoration	general restoration upon completion of work	1 LS	\$	500.00	\$	500.00										
8.12	Storytelling element(s)	interpretive panels at each end of terrace	1 EA	\$	4,000.00	\$	4,000.00										
9.00	Wooded "Tunnel" entrance																
9.01	Site preparation	erosion control, traffic control, site clearing/removals	1 LS	\$	5,000.00	\$	5,000.00	\$	87,150.00	\$	6,972.00	\$	13,072.50	\$	21,787.50	\$	128,982.00
9.02	Tunnel vegetation "clean up"	limited removal/clearing of vegetation comprising the vegetated "tunnel" to allow for added space for new plantings	1 LS	\$	2,500.00	\$	2,500.00										
9.03	Entrance pillar(s)	vertical boulder element as "welcome" for east downtown entrance; mortar set and integrated with Bushaway walls	1 EA	\$	3,000.00	\$	3,000.00										
9.04	Entrance marker	vertical boulder element as "welcome" for east downtown entrance; mortar set, larger, and separate from Bushaway walls	1 EA	\$	10,000.00	\$	10,000.00										
9.05	Feature lighting		1 LS	\$	5,000.00	\$	5,000.00										
9.06	Planting: trees		30 EA	\$	380.00	\$	11,400.00										
9.07	Planting: shrubs		3000 SF	\$	6.60	\$	19,800.00										
9.08	Planting: perennials		3000 SF	\$	7.65	\$	22,950.00										
9.09	Planting: annual bed preparation		500 SF	\$	2.00	\$	1,000.00										
9.10	Irrigation		1 LS	\$	2,000.00	\$	2,000.00										
9.11																	
9.12	Restoration	general restoration upon completion of work	1 LS	\$	500.00	\$	500.00										
9.13	Storytelling element(s)	interpretive panels incorporated into walks next to sidewalk/trail	1 EA	\$	4,000.00	\$	4,000.00										

NOTES

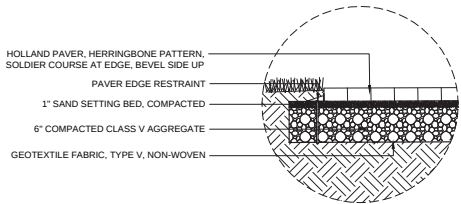
1. REINFORCED SOD
 - 1.1 TURFGRIDS BY FIBERSOILS
 - 1.2 CONTACT INFO: FIBERSOILS
(866-342-3771)
WWW.FIBERSOILS.COM
P.O. BOX 80198
BATON ROUGE, LA 70898
2. RUBBER MULCH
 - 2.1 COATED PLAYGROUND RUBBER MULCH, DARK BROWN, CROWN OF MINNESOTA
 - 2.2 CONTACT INFO: CROWN OF MINNESOTA
WWW.CROWNOFMINNESOTA.COM
952-848-2045

LEGEND

- SOD (IN PICNIC AREA, SOD TO BE REINFORCED WITH TURFGRIDS)
- PERENNIALS
- SEED DISTURBED AREAS, WOODLAND EDGE SEED MIX
- BROOM FINISH CONCRETE, SEE 6/ST3.00 (INFRASTRUCTURE PACKAGE)
- LIGHT FIXTURE A: HOLOPHANE GLASWERKS II, HOUSING STYLE GY (LYON), 100 WATT, HIGH PRESSURE SODIUM, PENDANT MOUNTED, STANDARD (NO UPLIGHT), WIDE ASYMMETRICAL BOWL LENS, 18" SHEPHERD'S HOOK STYLE POLE.
- LIGHT FIXTURE U: UPLIGHT
- BOLLARD, SEE DETAIL 1A.4.3
- TRASH RECEPTACLE, SEE NOTES

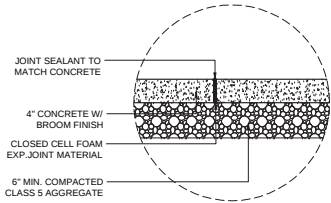
PLANTING SCHEDULE

QTY	SIZE	COMMON NAME	BOTANICAL NAME
4	3" db	RIVER BIRCH	Betula nigra
4	3" db	HONEYLOCUST	Gleditsia triacanthos var. inermis 'Skycoke'
3	3" db	SWAMP WHITE OAK	Quercus bicolor
SHRUBS			
54	#5 cont.	MUSKINGUM DOGWOOD	Cornus racemosa 'Mazzoni'
27	#5 cont.	BLUE STAR JUNIPER	Juniperus squamata 'Blue Star'
57	#5 cont.	NEARLY WILD ROSE	Rosa 'Nearly Wild'
47	#5 cont.	LILAC	Syringa 'Jesse'
PERENNIALS			
230	#1 cont.	DAYLILY MIX	Heimericallis 'Daring Deception', 'Happy Returns', 'Pardon Me'



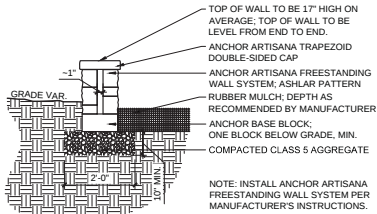
3 PAVER PADS

Scale: NTS



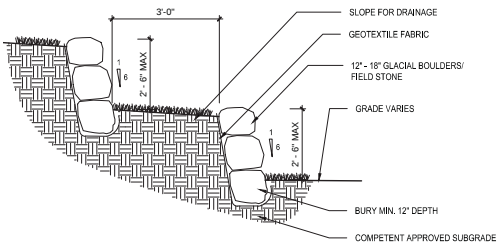
4 CONCRETE WALK

Scale: NTS



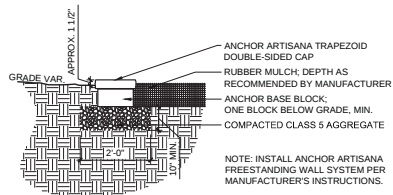
5 FREESTANDING MODULAR SEATWALL

Scale: 1/2"=1'-0"



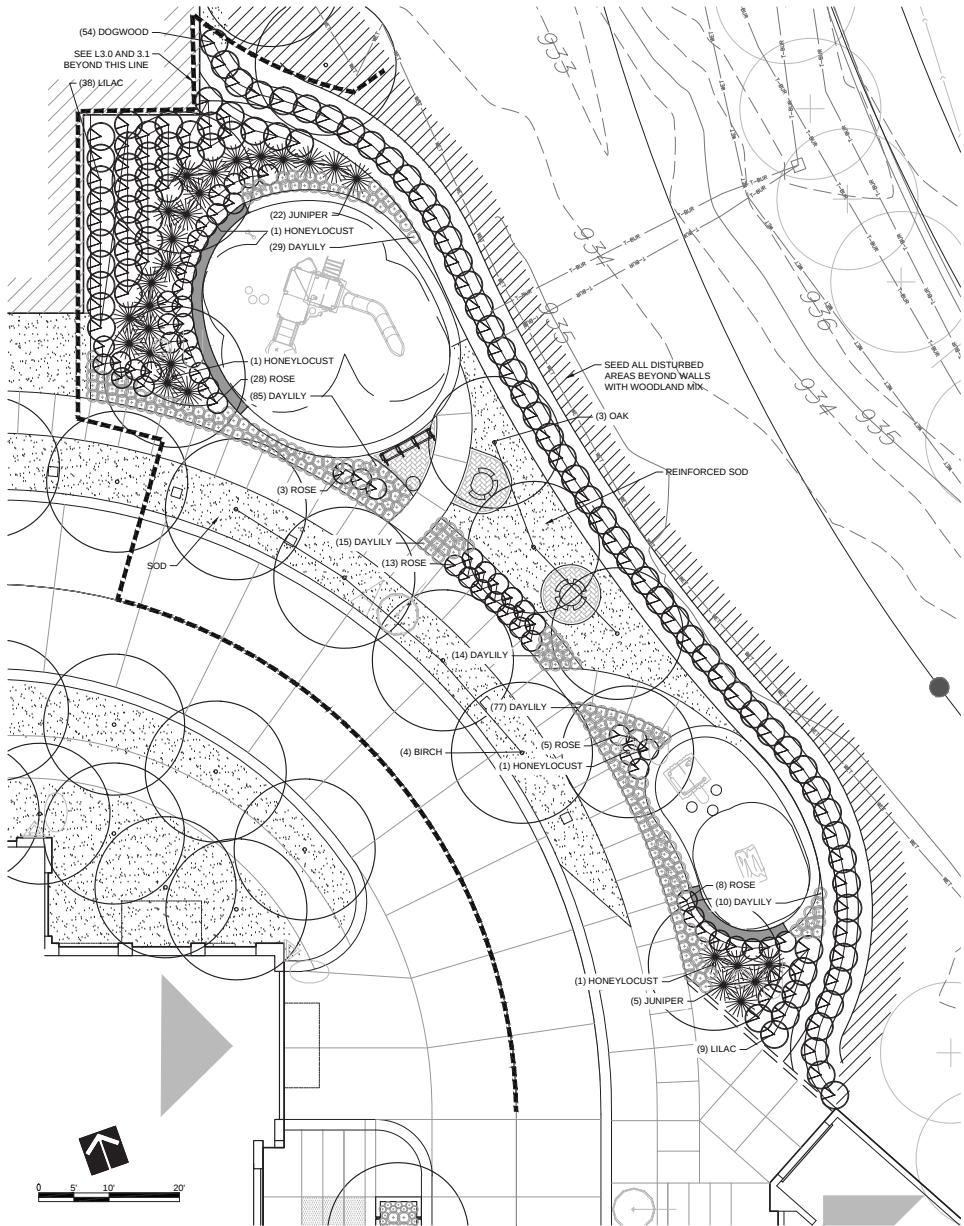
6 BOULDER WALLS

Scale: 1/2"=1'-0"



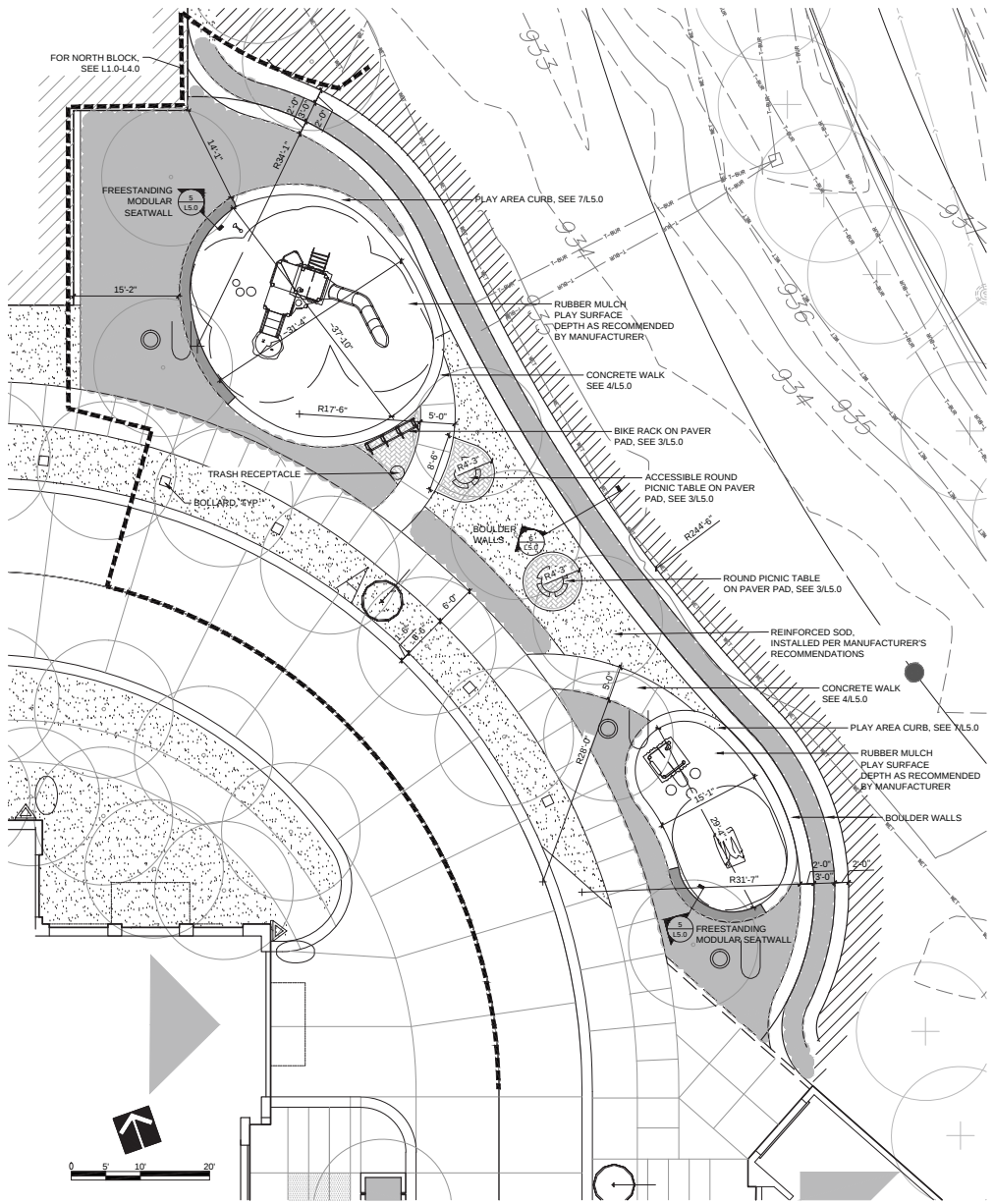
7 PLAY AREA CURB

Scale: 1/2"=1'-0"



2 PLAYGROUND PLANTING PLAN

Scale: 1" = 10'-0"



1 PLAYGROUND SITE PLAN

Scale: 1" = 10'-0"

in-site architects

1181 East Hennepin Avenue
Minneapolis, MN 55415
612.681.7000 Fax 612.681.7107



I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed landscape architect under the laws of the State of Minnesota.

Signature: *Michael Schroeder*

Michael Schroeder
Landscape Architect

70664
Reg. No. 09-14-2002
Date

NORTH BLOCK
FOLKSTONE AT THE PROMENADE
WAYZATA, MINNESOTA



CONSTRUCTION SET
SEPTEMBER 14, 2012

CONTENTS

NORTH BLOCK

L5.0

Wayzata Bay Center

Wayzata, MN December 21, 2011 56680-1-1-2



Custom product manufacturing time for this project will be 6 weeks from the time of LSI order acceptance.

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flagship
recreation

Wayzata Bay Center

Wayzata, MN December 21, 2011 56680-1-1-1



Custom product manufacturing time for this project will be 6 weeks from the time of LSI order acceptance.

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recreation