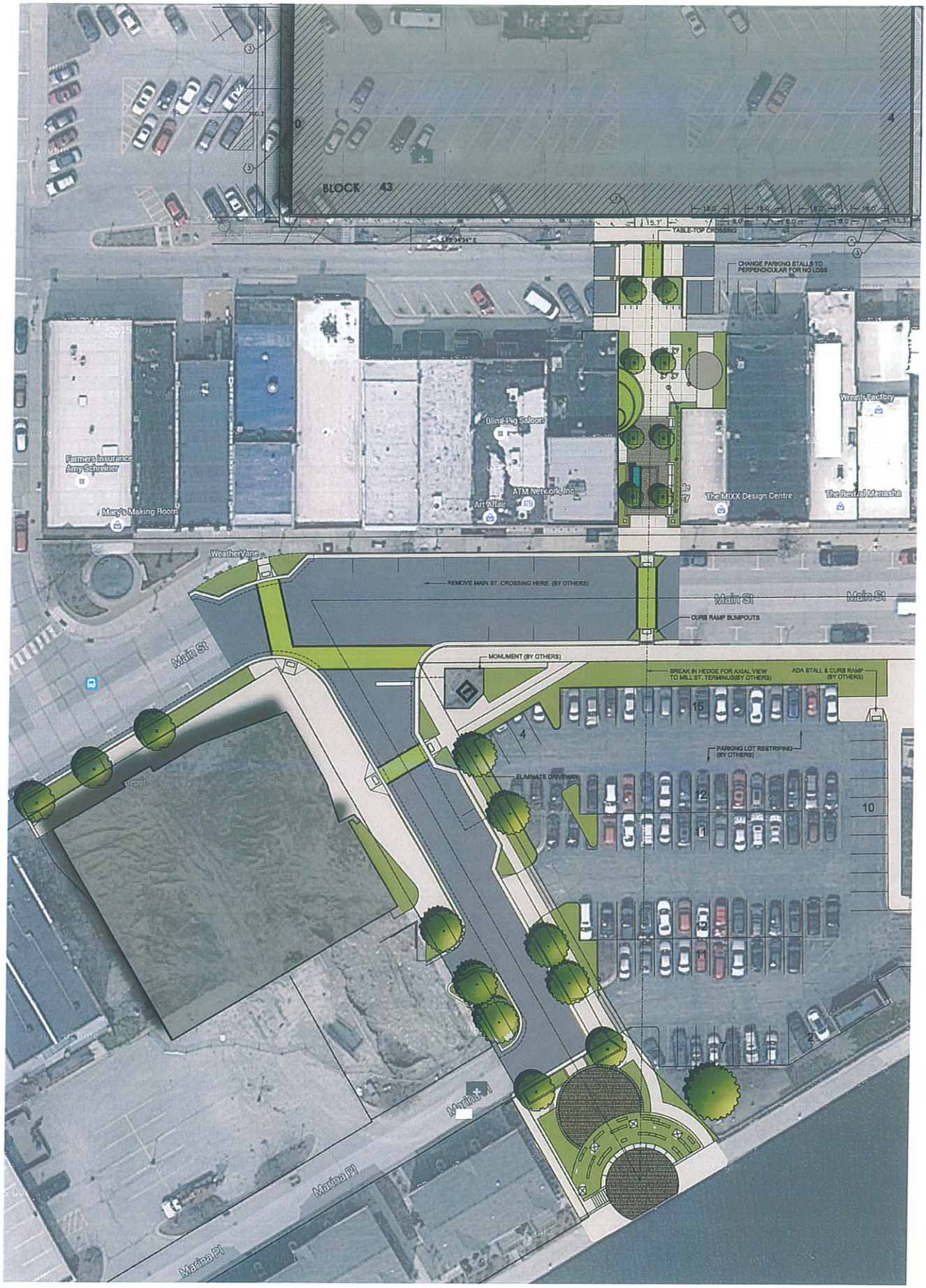
KEN SAIKI
DESIGN INC
LANDSCAPE
ARCHITECTS

Menasha Pedestrian Walkway

Board of Public Works Submittal

December 7th, 2015



KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway
Master Plan

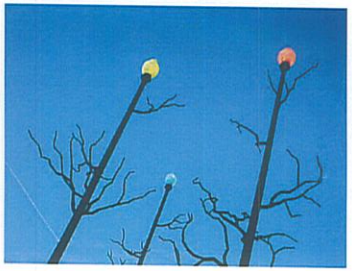
0 20 40

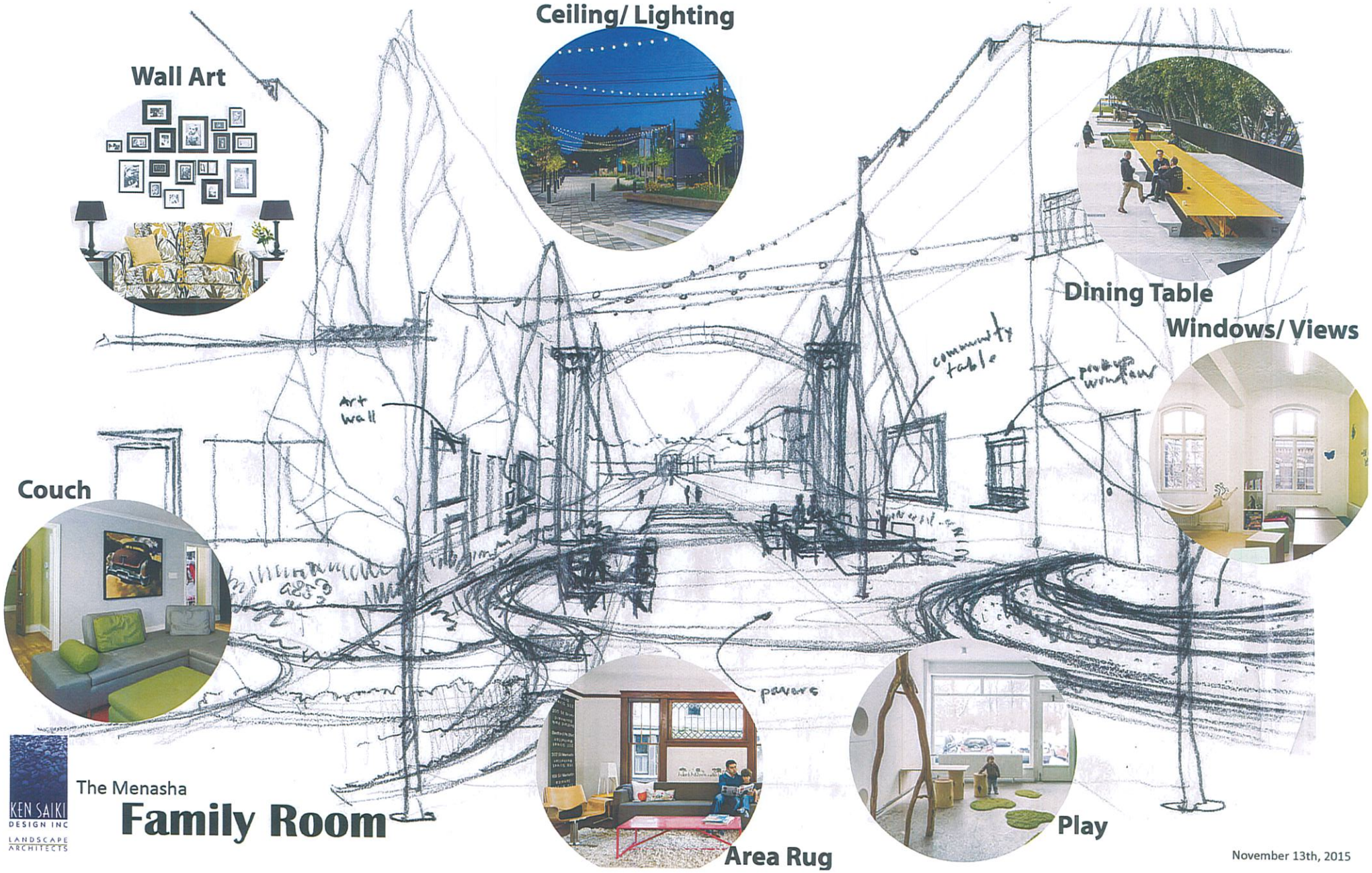
N

December 7th, 2015

OPEN

Upright form trees
Iconic lamp post
Accent wall lights
"Framed" historical photos
3'-6' clear zone for safety
LED under-light below table surface
Indirect flood lighting
Seat wall w/ at-grade plantings (NOT bermed against bldg)
Community table with moveable chairs



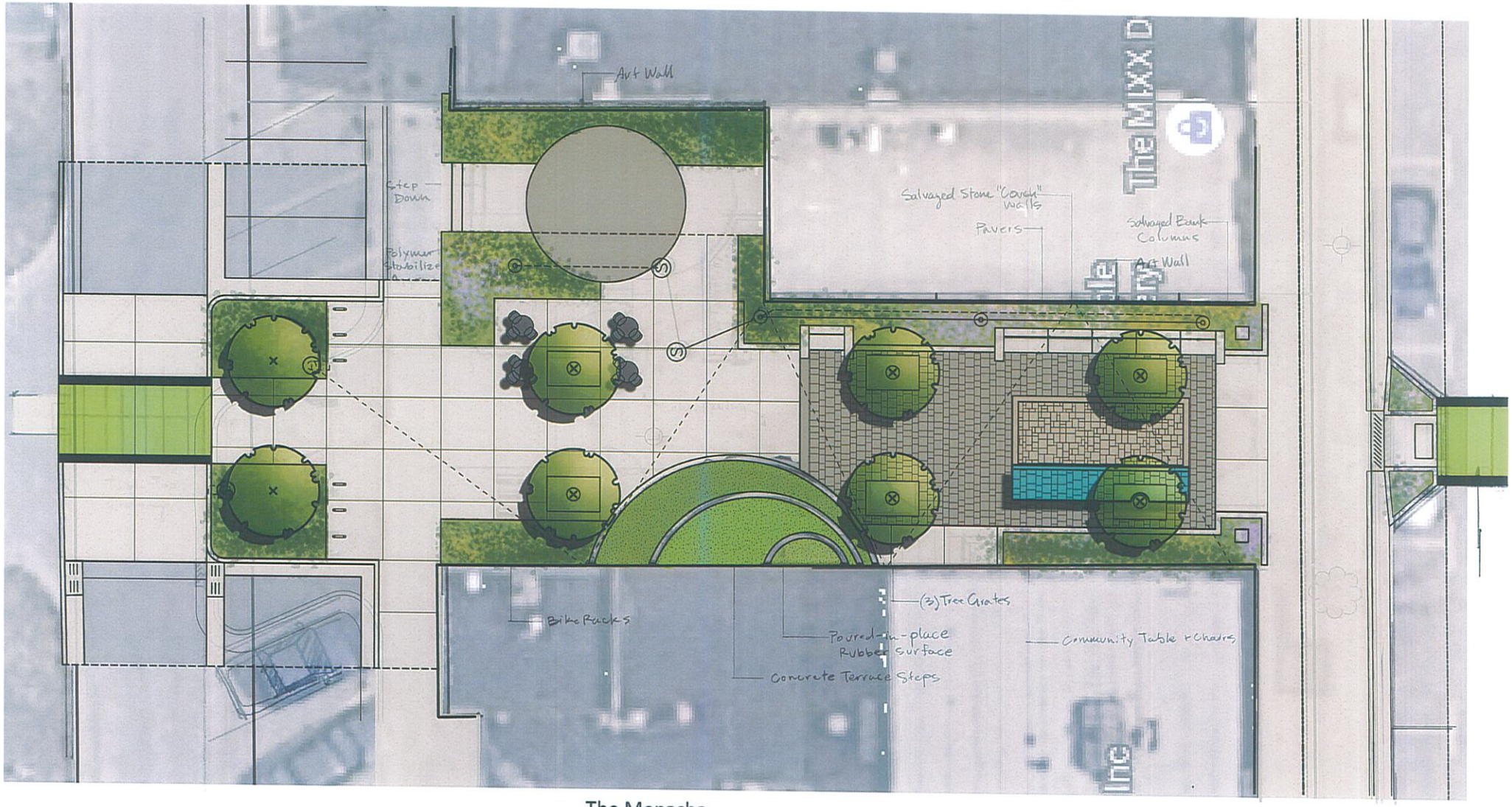


KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

The Menasha

Family Room

November 13th, 2015



The Menasha

Family Room

KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway

Pedestrian Link

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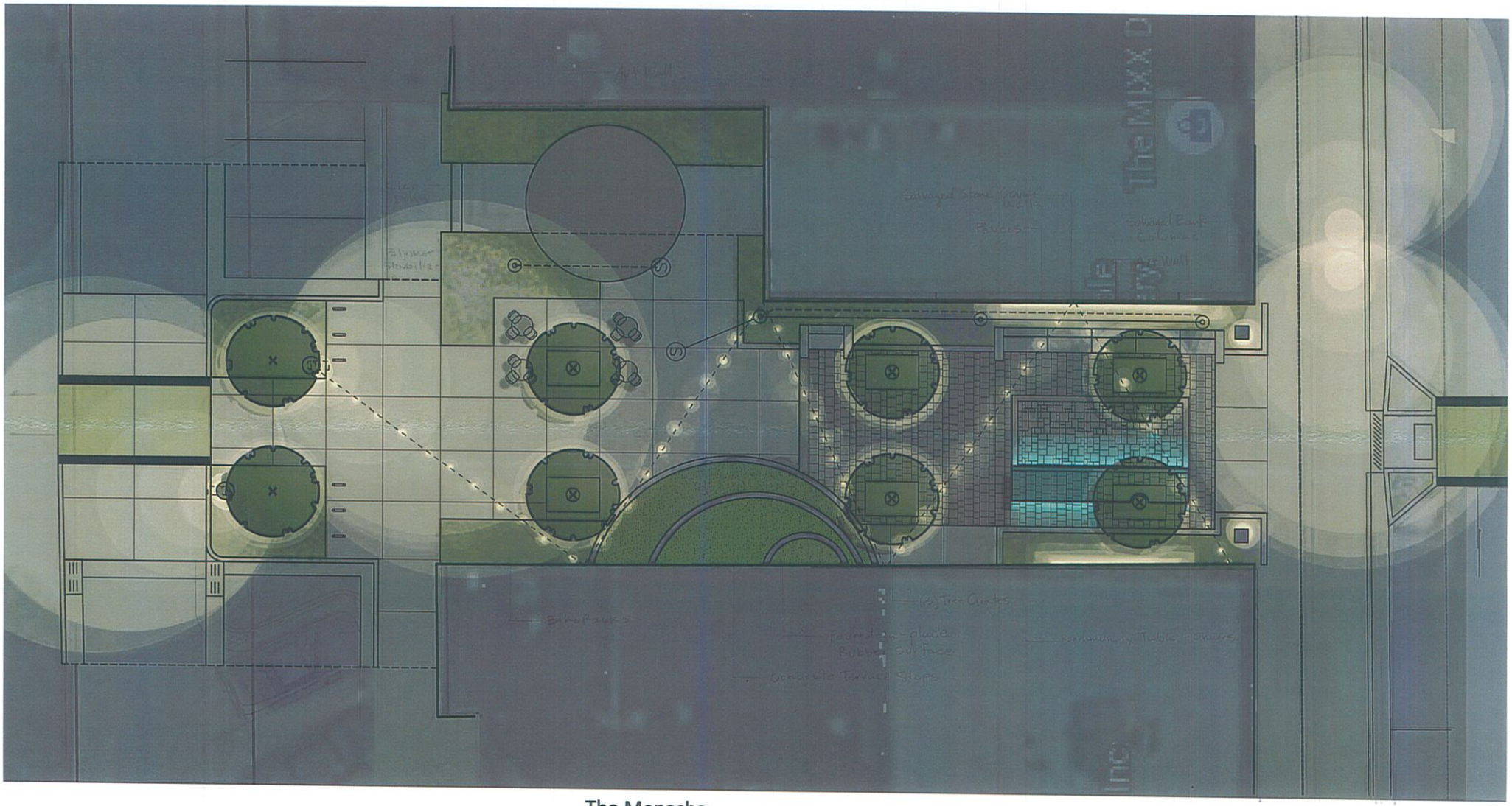
December 7th, 2015



The Menasha

Family Room

KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway

Pedestrian Link

N

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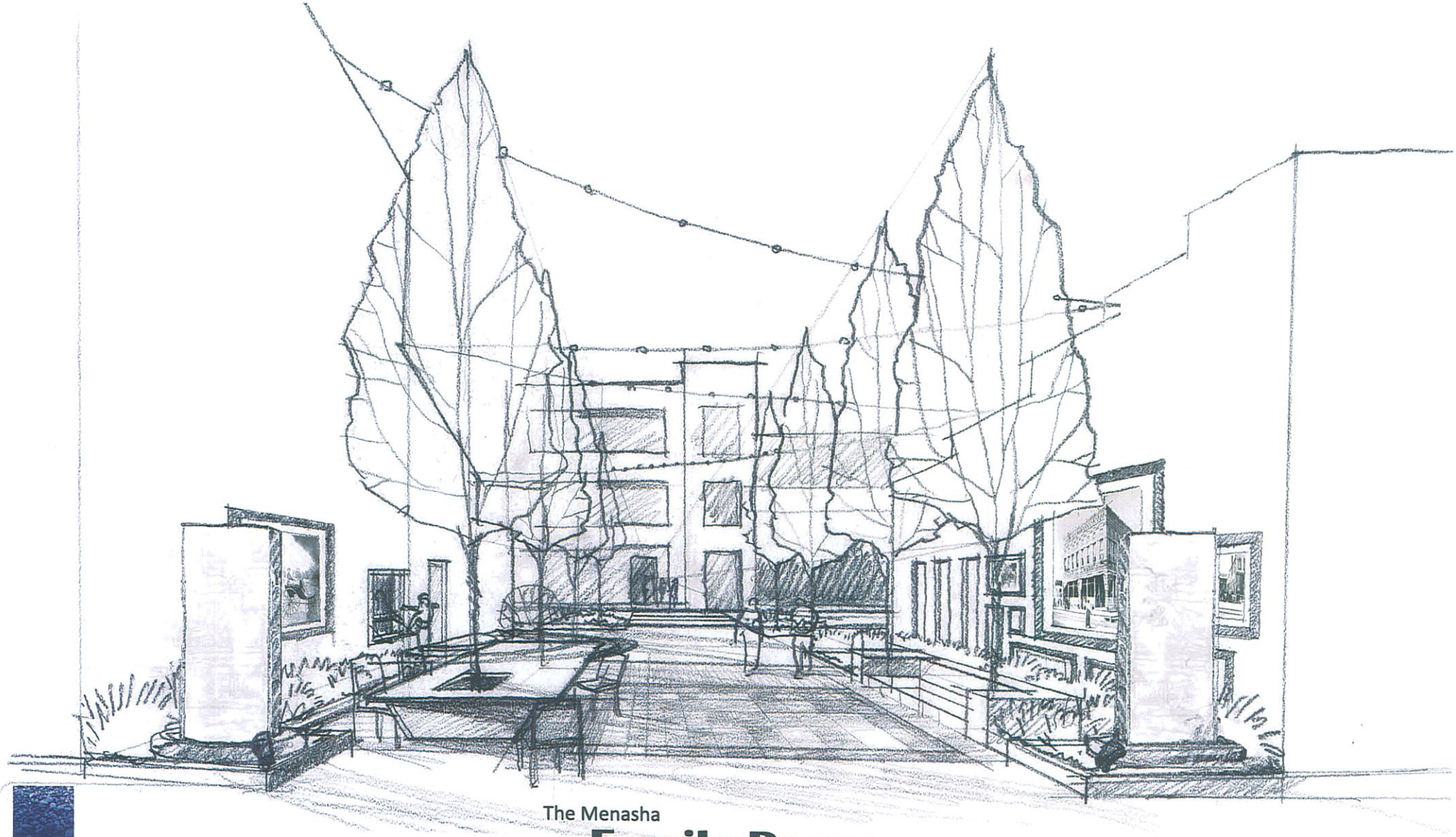
December 7th, 2015



The Menasha

Family Room

KEN SAIKI
DESIGN INC
LANDSCAPE
ARCHITECTS

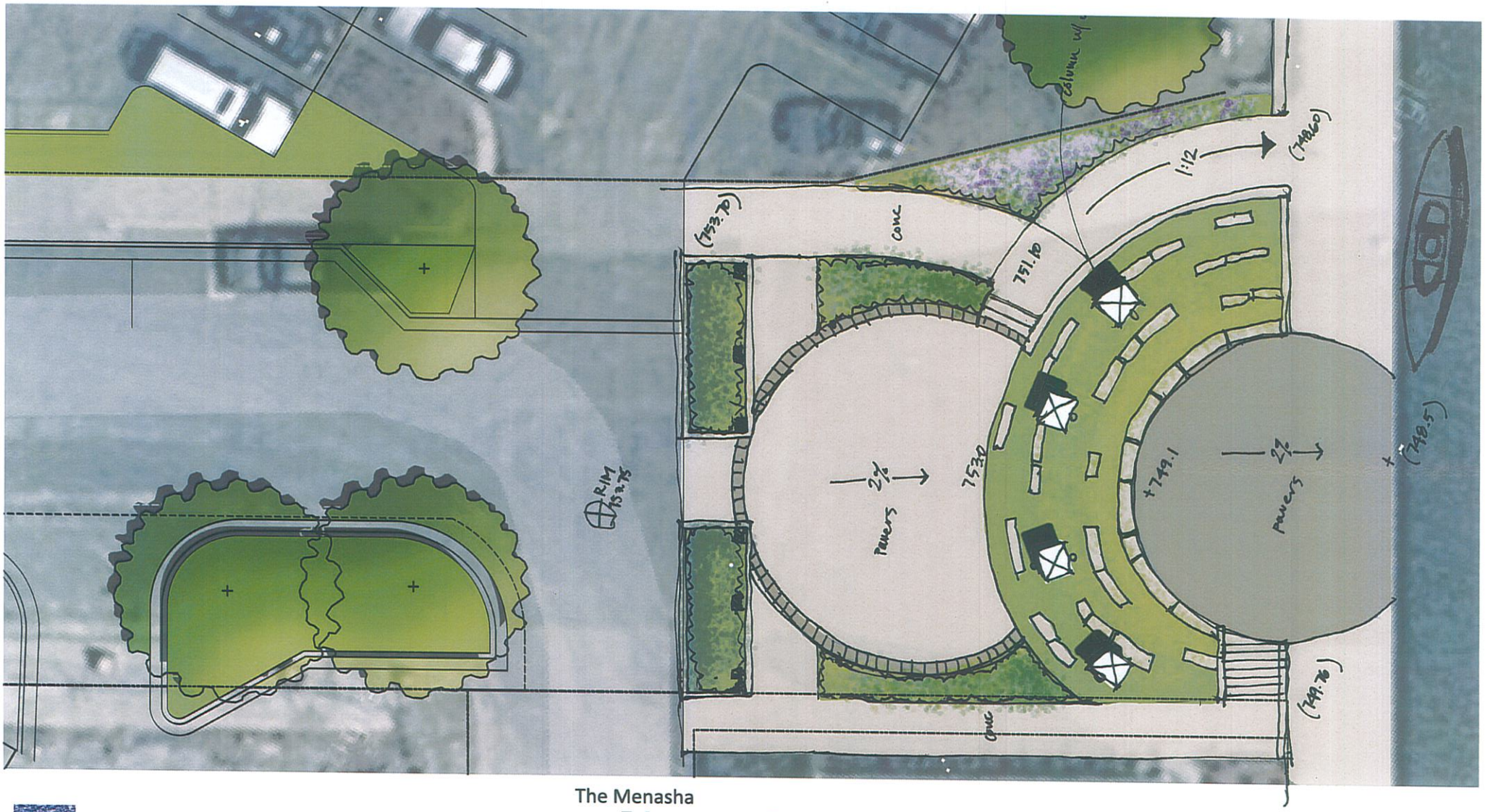
December 7th, 2015

The Menasha

Family Room

KEN SAIKI
DESIGN INC
LANDSCAPE
ARCHITECTS

December 7th, 2015



The Menasha

Veranda

KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway

Mill St. Terminus Concept 1

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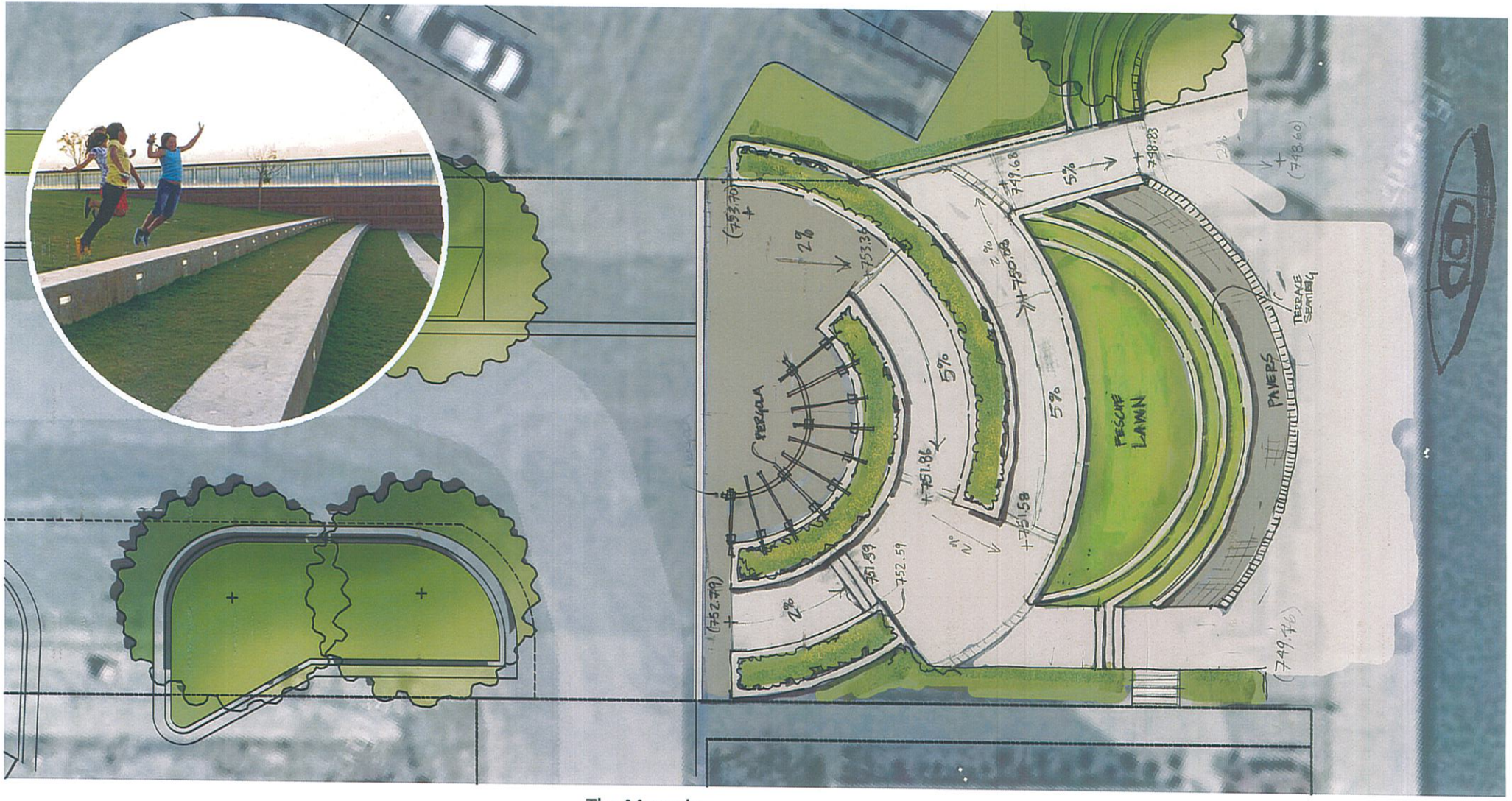
November 18th, 2015



The Menasha
Veranda

KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway
Mill St. Terminus Concept 2

0 5 10

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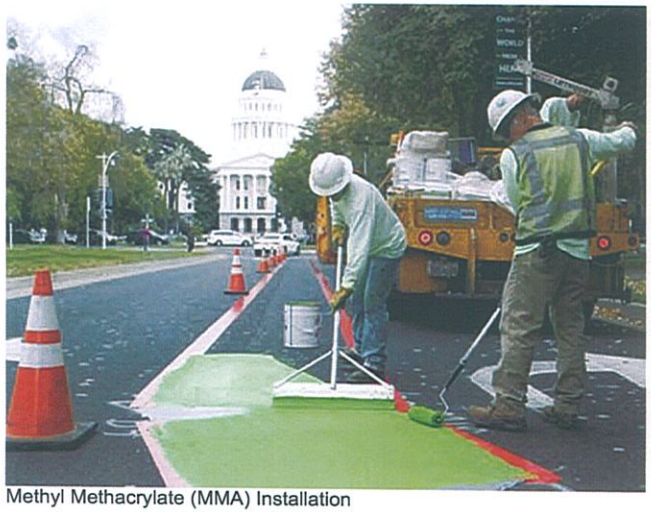
November 18th, 2015



Methyl Methacrylate (MMA) Installation

MMA Surface Treatment

MMA Surface Treatment

Table Top Crossing

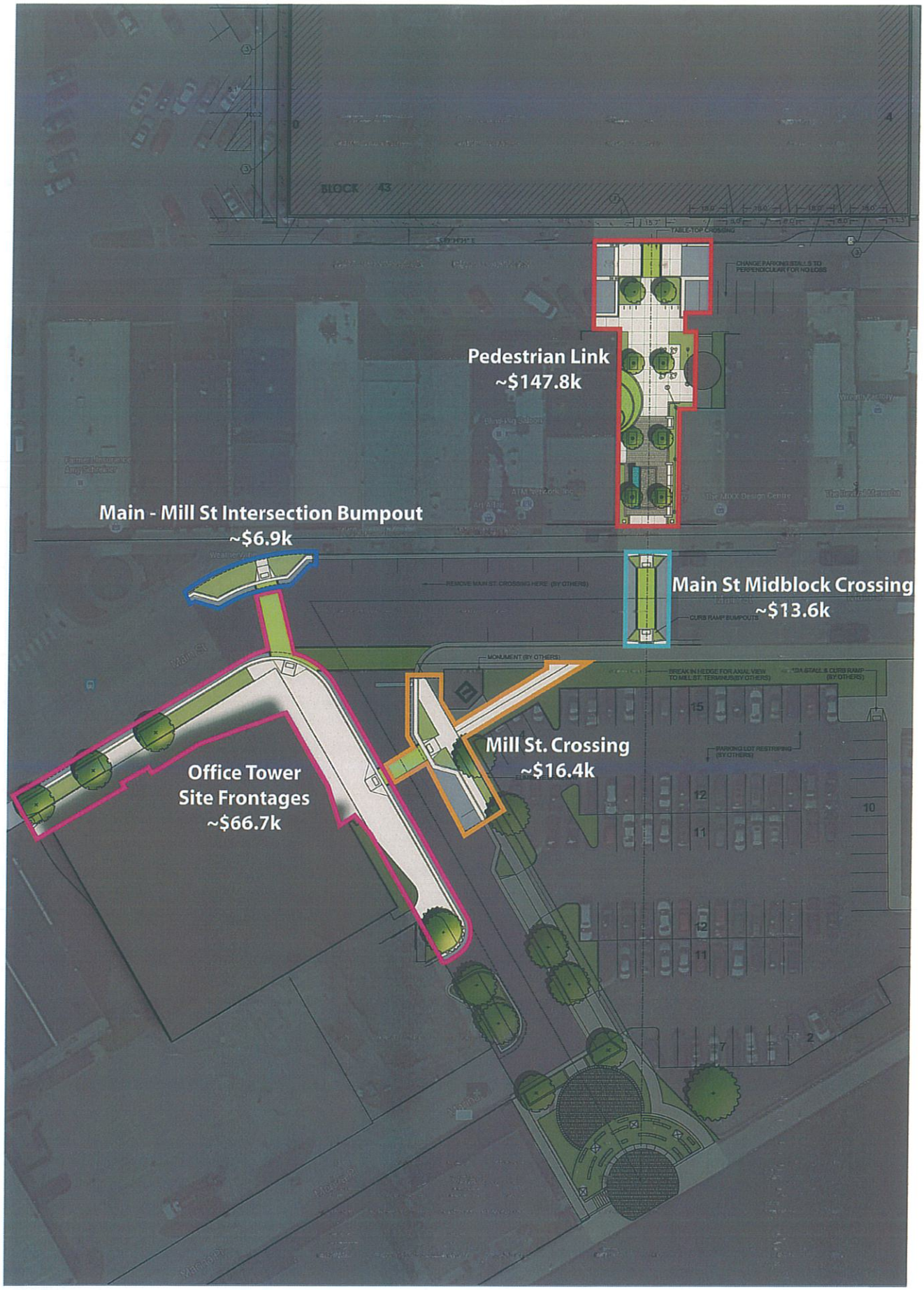
Colored Continental Stripes

Granite-Epoxy Overlays

KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway
Materials Palette

December 7th, 2015



KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

Menasha Pedestrian Walkway
Master Plan

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December 7th, 2015

Menasha Pedestrian Walkway Improvements

Ken Saiki Design, 12/3/2015

ITEM	Quantity	Unit	Unit Price	Extension	Adjusted Unit Price	Adjusted Extension	Comments
Main St. Bumpout @ Mill St Intersection							
Demo	680	SF	$3.00	$2,040.00	$0.00	$0.00	Completed by City crews
Concrete Paving, 5" thick, Reinforced	200	SF	$5.00	$1,000.00	$5.00	$1,000.00	
Curb & Gutter, 6" curb head + 24" gutter pan	68	LF	$22.00	$1,496.00	$22.00	$1,496.00	
Dectable Warning Plate	1	EA	$300.00	$300.00	$150.00	$150.00	Actual cost basis
Concrete pavement patching allowance - 8"	1	LS	$1,000.00	$1,000.00	$1,000.00	$1,000.00	
Shrubs	8	EA	$60.00	$480.00	$60.00	$480.00	
Perennials	45	EA	$18.00	$810.00	$18.00	$810.00	
Shredded Hardwood Bark Mulch	4	CY	$28.00	$112.00	$28.00	$112.00	
Planting Soil Mixture	20	CY	$60.00	$1,200.00	$60.00	$1,200.00	
Contingency - 10%	1	LS	$582.00	$582.00	$624.80	$624.80	
			Subtotal	$7,929.00	**Subtotal**	**$6,872.80**	
Mill St. Crossing							
Demo	1900	SF	$3.00	$5,700.00	$0.00	$0.00	Completed by City crews
Earthwork/ Finish Grading	1	LS	$1,000.00	$1,000.00	$1,000.00	$1,000.00	
Concrete Paving, 5" thick, Reinforced	1249	SF	$5.00	$6,245.00	$5.00	$6,245.00	
Asphalt Paving (patching)	333	SF	$3.50	$1,165.50	$3.50	$1,165.50	
Curb & Gutter, 6" curb head + 24" gutter pan	82	LF	$22.00	$1,804.00	$22.00	$1,804.00	as measured from f.o.c.
Dectable Warning Plate	1	EA	$300.00	$300.00	$150.00	$150.00	East side of Mill St only; reduction on basis of actual cost
MMA Colored Crosswalk Surfacing	188	SF	$9.00	$1,692.00	$9.00	$1,692.00	$2.5/SF materials cost. City install?
Pavement Marking	47	LF	$24.00	$1,128.00	$24.00	$1,128.00	reflective band @ crossing. City Install?
Pedestrian Crossing Sign	1	LS	$500.00	$500.00	$250.00	$250.00	City supplied signs
Shrubs	6	EA	$60.00	$360.00	$60.00	$360.00	
Perennials	30	EA	$18.00	$540.00	$18.00	$540.00	
Shredded Hardwood Bark Mulch	2	CY	$28.00	$56.00	$28.00	$56.00	
Planting Soil Mixture	9	CY	$60.00	$540.00	$60.00	$540.00	
Contingency - 10%	1	LS	$1,493.05	$1,493.05	$1,493.05	$1,493.05	
			Subtotal	$22,033.55	**Subtotal**	**$16,423.55**	
Main St. Midblock Crossing							
Demo	1175	SF	$3.00	$3,525.00	$0.00	$0.00	Completed by City crews
Earthwork/ Finish Grading	1	LS	$1,000.00	$1,000.00	$1,000.00	$1,000.00	
Concrete Paving, 5" thick, Reinforced	80	SF	$5.00	$400.00	$5.00	$400.00	
Concrete pavement patching allowance - 8"	1	LS	$1,000.00	$1,000.00	$1,000.00	$1,000.00	
Curb & Gutter, 6" curb head + 24" gutter pan	40	LF	$22.00	$880.00	$22.00	$880.00	
Concrete Curbs, 6" curb head, formed	88	LF	$20.00	$1,760.00	$20.00	$1,760.00	
Dectable Warning Plate	2	EA	$300.00	$600.00	$150.00	$300.00	reduction on basis of actual cost
MMA Colored Crosswalk Surfacing	232	SF	$9.00	$2,088.00	$9.00	$2,088.00	$2.5/SF materials cost. City install?
Pavement Marking	58	LF	$24.00	$1,392.00	$24.00	$1,392.00	reflective band @ crossing. City Install?
Pedestrian Crossing Sign	1	LS	$500.00	$500.00	$250.00	$250.00	City supplied signs
Shrubs	4	EA	$60.00	$240.00	$60.00	$240.00	
Perennials	20	EA	$18.00	$360.00	$18.00	$360.00	
Shredded Hardwood Bark Mulch	1	CY	$28.00	$28.00	$28.00	$28.00	
Planting Soil Mixture	4	CY	$60.00	$240.00	$60.00	$240.00	
Trench Grates	14	LF	$175.00	$2,450.00	$175.00	$2,450.00	
Contingency - 10%	1	LS	$1,447.10	$1,447.10	$1,238.80	$1,238.80	Permitting, Soft costs, mobilization, cost estimate oversight, etc.
			Subtotal	$15,918.10	**Subtotal**	**$13,626.80**	
Office Tower Sidewalk							
Demo_Pavement Sawcutting	1	LS	$65.00	$65.00	$0.00	$0.00	Completed by City crews
Earthwork/ Finish Grading	1	LS	$5,000.00	$5,000.00	$5,000.00	$5,000.00	Includes Finish Grading
Concrete Paving, 5" thick, Reinforced	4648	SF	$5.00	$23,240.00	$5.00	$23,240.00	Paving behind r.o.w. to building face - consider substituting landscape for some of the walk
Asphalt Paving (patching)	244	SF	$3.50	$854.00	$3.50	$854.00	
Concrete pavement patching allowance - 8"	1	LS	$2,000.00	$2,000.00	$2,000.00	$2,000.00	
Curb & Gutter, 6" curb head + 24" gutter pan	342	LF	$22.00	$7,524.00	$22.00	$7,524.00	
Dectable Warning Plate	3	EA	$300.00	$900.00	$150.00	$450.00	Actual cost basis
MMA Colored Crosswalk Surfacing	371	SF	$9.00	$3,339.00	$9.00	$3,339.00	
Pavement Marking	74	LF	$24.00	$1,776.00	$24.00	$1,776.00	reflective band @ crossing. City Install?
Signage	1	LS	$500.00	$500.00	$0.00	$0.00	By City?
Site Lighting Allowance	1	LS	$30,000.00	$30,000.00	$2,000.00	$2,000.00	Assumes city will install conduit, concrete bases, poles, fixtures, and connections.
Storm Sewer Utility Allowance	1	LS	$5,000.00	$5,000.00	$2,000.00	$2,000.00	Raise 1 existing manhole
Trees	4	EA	$500.00	$2,000.00	$500.00	$2,000.00	
Shrubs	40	EA	$60.00	$2,400.00	$60.00	$2,400.00	
Perennials	300	EA	$18.00	$5,400.00	$18.00	$5,400.00	
Shredded Hardwood Bark Mulch	7	CY	$28.00	$196.00	$28.00	$196.00	
Planting Soil Mixture	41	CY	$60.00	$2,460.00	$60.00	$2,460.00	
Contingency - 10%	1	LS	$7,214.10	$7,214.10	$6,063.90	$6,063.90	
			Subtotal	$92,911.10	**Subtotal**	**$66,702.90**	
Pedestrian Link							
Demo	5230	SF	$3.00	$15,690.00	$0.00	$0.00	Includes alley crossing Completed by City crews
Erosion Control	1	LS	$500.00	$500.00	$0.00	$0.00	Completed by City crews?
Construction Fence	154	LF	$3.00	$462.00	$3.00	$462.00	
Earthwork/ Finish Grading	1	LS	$5,000.00	$5,000.00	$5,000.00	$5,000.00	Includes Finish Grading
Concrete Paving, 5" thick, Reinforced	1654	SF	$5.00	$8,270.00	$5.00	$8,270.00	
Concrete Paving, 7" thick, Reinforced	468	SF	$8.00	$3,744.00	$8.00	$3,744.00	
Asphalt Paving	730	SF	$3.50	$2,555.00	$3.50	$2,555.00	
Curb & Gutter, 6" curb head + 24" gutter pan	81	LF	$22.00	$1,782.00	$22.00	$1,782.00	
Concrete Curbs, 8" curb head, formed	168	LF	$30.00	$5,040.00	$30.00	$5,040.00	
Pavement Marking	36	LF	$24.00	$864.00	$24.00	$864.00	reflective band @ crossing. City Install?
MMA Colored Crosswalk Surfacing	139	SF	$9.00	$1,251.00	$9.00	$1,251.00	$2.5/SF materials cost. City install?
Trees	8	EA	$500.00	$4,000.00	$500.00	$4,000.00	
Shrubs	28	EA	$60.00	$1,680.00	$60.00	$1,680.00	
Perennials	200	EA	$18.00	$3,600.00	$18.00	$3,600.00	
Shredded Hardwood Bark Mulch	20	CY	$28.00	$560.00	$28.00	$560.00	
Planting Soil Mixture	49	CY	$60.00	$2,940.00	$60.00	$2,940.00	
Site Lighting Allowance **(see subsequent spreadsheet)**	1	LS	$35,000.00	$35,000.00	$18,000.00	$18,000.00	City will supply/install decorative light poles - $16k accent lighting + $2k allowance for city-contractor coordination
Storm Sewer_Modify Manhole	1	EA	$800.00	$800.00	$800.00	$800.00	Potentially by City?
Storm Sewer_36" Concrete Manhole Drain Basin	2	EA	$2,000.00	$4,000.00	$2,000.00	$4,000.00	Potentially by City? Includes casting, excavation, backfill
Storm Sewer_PVC Drain Basin	4	EA	$400.00	$1,600.00	$400.00	$1,600.00	Potentially by City?
Storm Sewer_6" PVC Pipe	76	LF	$60.00	$4,560.00	$60.00	$4,560.00	Potentially by City?
Storm Sewer_Perforated Underdrain	50	LF	$20.00	$1,000.00	$20.00	$1,000.00	Potentially by City?
Site Furniture_Tables	4	EA	$1,000.00	$4,000.00	$1,000.00	$4,000.00	
Site Furniture_Moveable Chairs	18	EA	$250.00	$4,500.00	$250.00	$4,500.00	
Site Furniture_Trash/Recylcing Receptacle	1	EA	$1,000.00	$1,000.00	$1,000.00	$1,000.00	
Site Furniture_Bike Racks	6	EA	$400.00	$2,400.00	$400.00	$2,400.00	
Site Furniture_Community Table	1	LS	$5,000.00	$5,000.00	$5,000.00	$5,000.00	
Tree Grates	6	EA	$1,500.00	$9,000.00	$1,500.00	$9,000.00	Includes void form, planting soil, casting, washed stone
Unit Paving	767	SF	$20.00	$15,340.00	$20.00	$15,340.00	Aggregate Base, sand-set
Pour-In-Place Rubber Surfacing	254	SF	$18.00	$4,572.00	$18.00	$4,572.00	
Art Furnishings Allowance	1	LS	$15,000.00	$15,000.00	$5,000.00	$5,000.00	Wall Art, **Gateway Arch --not included (add $5k)**
Salvaged Stone Pier	2	EA	$1,500.00	$3,000.00	$1,500.00	$3,000.00	Includes Concrete base and Salvaged Stone Installation
Salvaged Stone Seating	44	LF	$200.00	$8,800.00	$200.00	$8,800.00	
Contingency - 10%	1	LS			$13,432.00	$13,432.00	Permitting, Soft costs, mobilization, cost estimate oversight, etc.
			Subtotal	$167,713.00	**Subtotal**	**$147,752.00**	
					TOTAL	**$251,378.05**	
Mill St Terminus							
Demo	5700	SF	$2.00	$11,400.00			Lower unit cost due to less hardscape demo
Concrete Paving, 5" thick, Reinforced	2900	SF	$5.00	$14,500.00			
Asphalt Paving (patching)	230	SF	$3.50	$805.00			
Concrete Curbs, 8" curb head, formed	300	LF	$30.00	$9,000.00			
Planting Allowance	1	LS	$8,000.00	$8,000.00			
Site Lighting Allowance	1	LS	$15,000.00	$15,000.00			
Storm Sewer Utility	1	LS	$5,000.00	$5,000.00			
Other Utilities, Allowance	1	LS	$5,000.00	$5,000.00			
Unit Paving	710	SF	$20.00	$14,200.00			Aggregate Base, sand-set
Salvaged Bank Column Base and Mounting	1	LS	$15,000.00	$15,000.00			
Salvaged Stone Seating	1	LS	$10,000.00	$10,000.00			
Contingency - 10%	1	LS	$10,790.50	$10,790.50			
			Subtotal	**$118,695.50**			