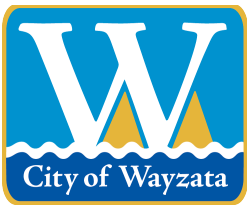




**Wayzata City Council Workshop Meeting Agenda
Wayzata City Hall Community Room, 600 Rice Street
TUESDAY, MAY 7, 2019**

WORKSHOP TOPICS FOR DISCUSSION:

1. Cost and Design Update of Lake Effect Phase 2 (South-of-the-Railroad-Tracks) and Dakota Rail Regional Trail Extension (5:45 p.m.)



City Council Workshop City Council Agenda Report

MEETING DATE: May 7, 2019	WORKSHOP AGENDA ITEM: 1.
TITLE: Cost and Design Update of Lake Effect Phase 2 (South-of-the-Railroad-Tracks) and Dakota Rail Regional Trail Extension (5:45 p.m.)	
PREPARED BY: Jeff Dahl, City Manager	
REVIEWED BY: N/A	

DISCUSSION OBJECTIVE:

To review updated information from design consultants, Civitas, on the cost and design development of Phase 2 of the Lake Effect Project (everything south of the railroad tracks) as well as the cost and design development for the Dakota Rail Regional Trail Extension from Barry Avenue to Ferndale Road.

BACKGROUND:

A part of the comprehensive design services agreement between the City and Civitas for the Lake Effect was to complete design development for all improvements south of the railroad tracks. The City initiated this effort for two reasons: to expedite the design/construction process (rather than waiting for funds to be raised for by Conservancy, further delaying the project) AND to have a better understanding of amount needed for fundraising.

More recently, the City approved an agreement with Civitas to provide Three Rivers Park District-funded design services for the Dakota Rail Regional Trail Extension, of which construction will also be funded by Three Rivers.

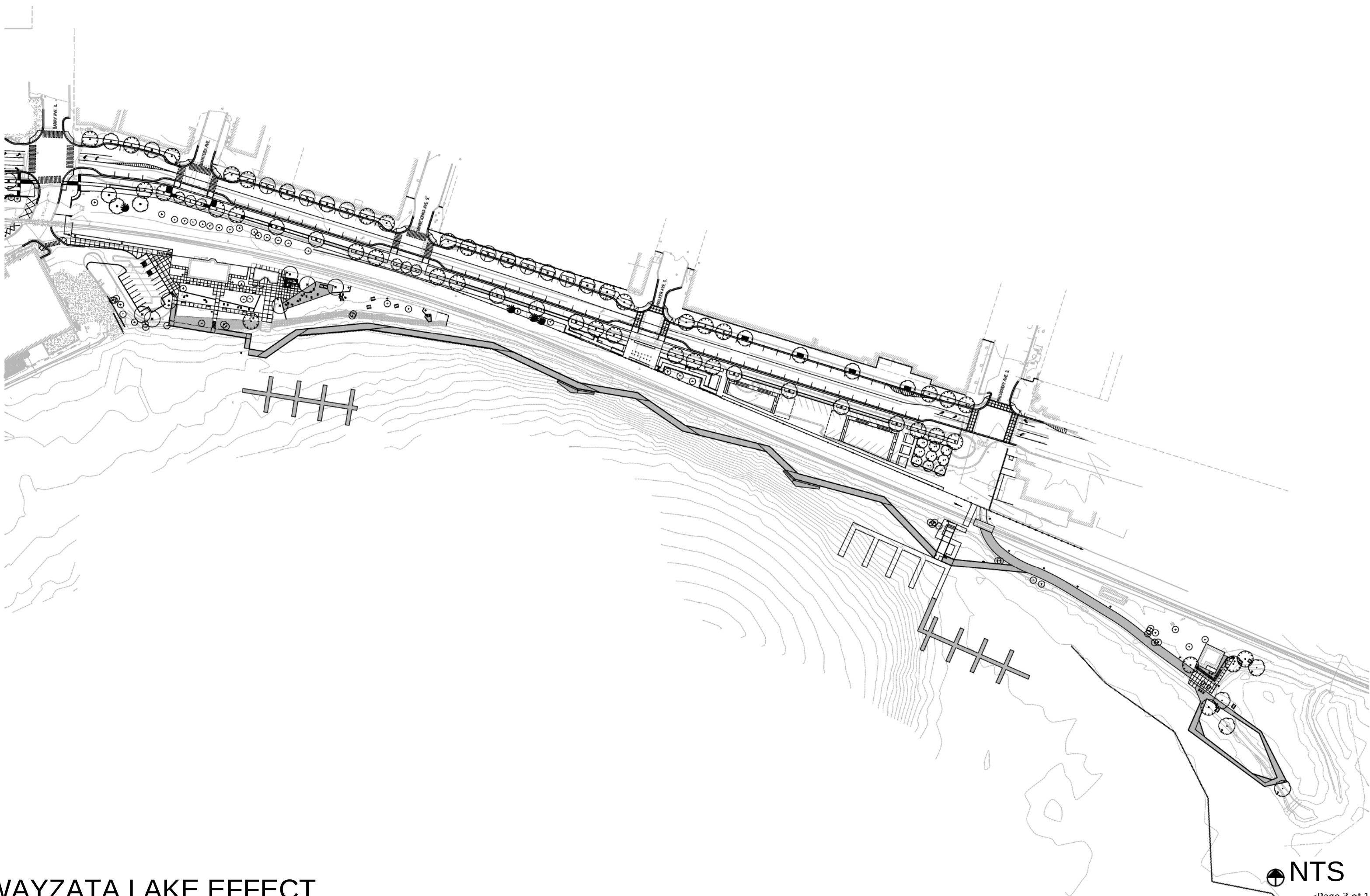
Below is an updated schedule for the project:

- Friday May 24th—50% CD's Due (includes outline specifications and updated opinion of probable costs)
- Friday July 12th—100% CD's Due
- July 12th-August 6th—Phase 1 out to bid
- Mid Fall 2019 to Mid April 2020—Construction

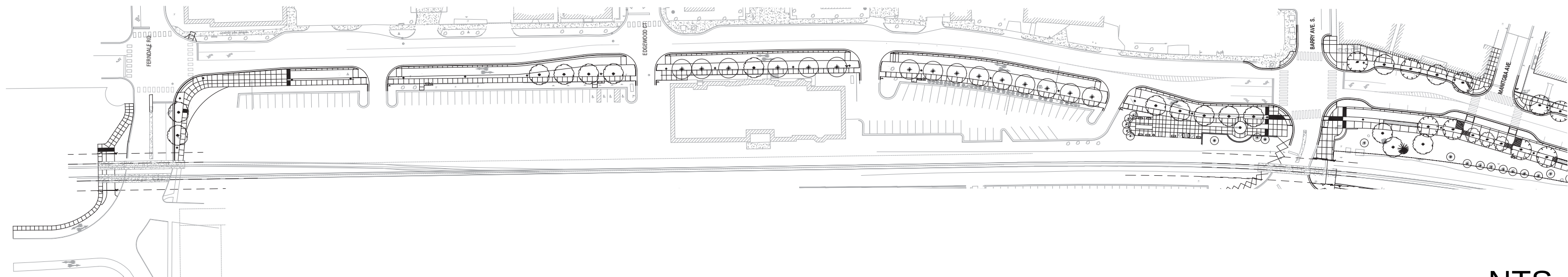
Scott Jordan of Civitas will be in attendance to walk through the design and the updated costs of the projects.

ATTACHMENTS:

1. 19.05-01 Council Work Session Package (002)

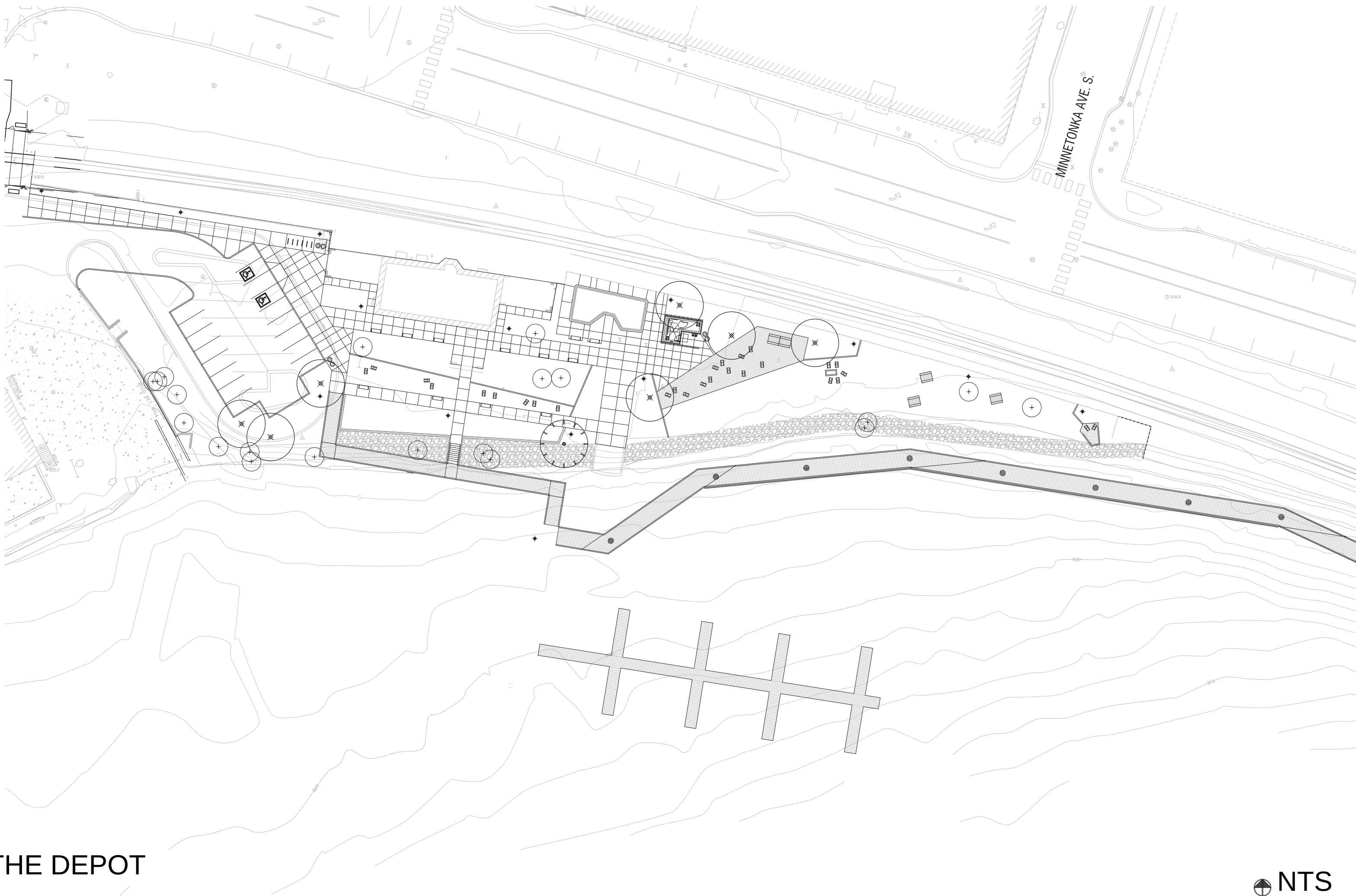


WAYZATA LAKE EFFECT

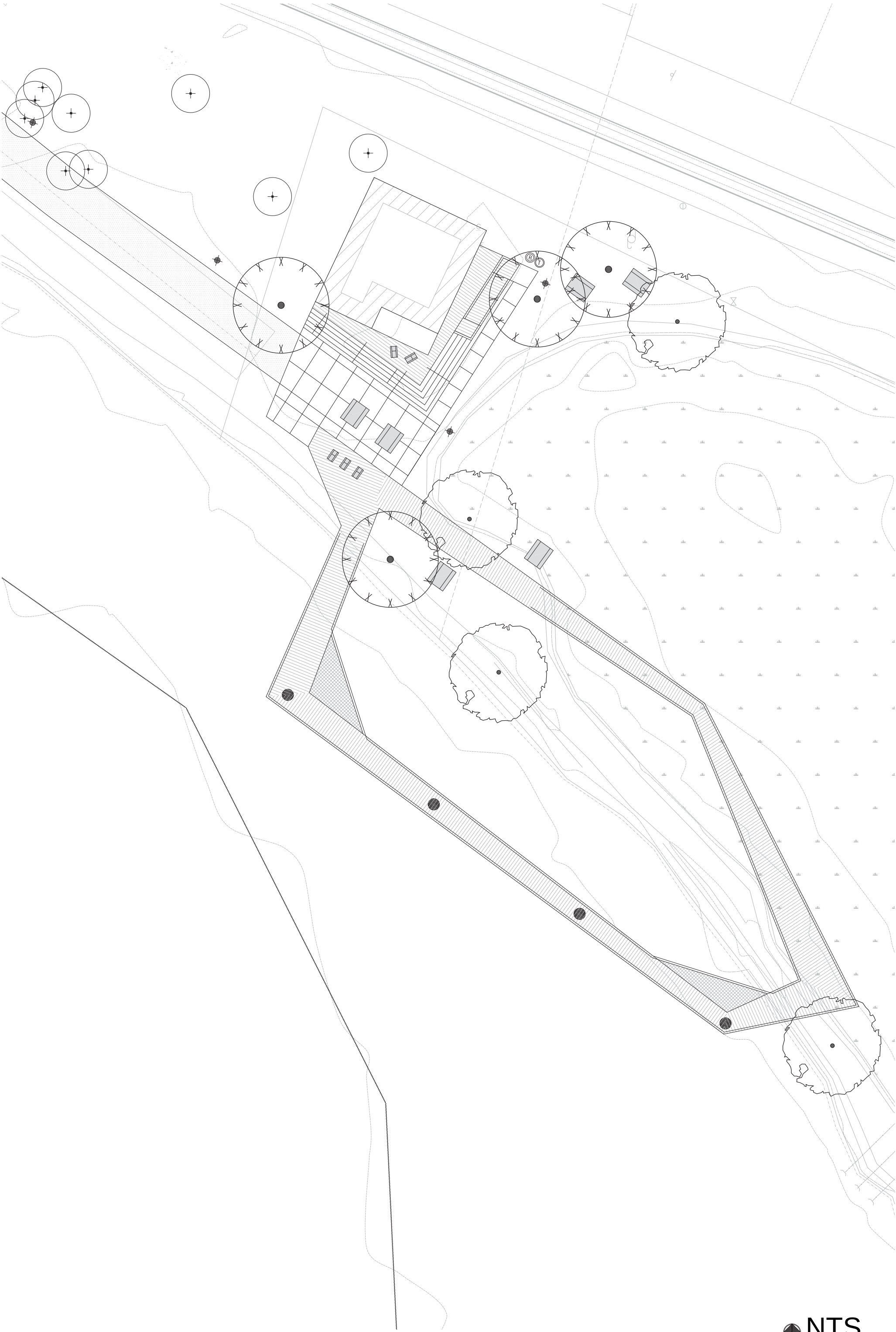


NTS

LAKE STREET DAKOTA REGIONAL TRAIL EXTENSION



THE DEPOT



WAYZATA LAKE EFFECT
DD.2
Wayzata, MN
DESIGN DEVELOPMENT

Consultants:

Architect

Snow Krelich Architects
219 North Second St Suite 120
Minneapolis, MN 55401
(612) 752-0292

Civil Engineer

Solution Blue
444 Cedar Street Suite 1005
Saint Paul, MN 55101
(651) 289-5534

Ecologist

Applied Ecologist Services, Inc.
21938 Mushtown Road
Prior Lake, Minnesota 55372
(952) 447-1919

Traffic Engineer

SRF Consulting Group, Inc.
One Carlson Parkway North Suite 150
Minneapolis, MN 55447
(763) 249-6726

Irrigation

Water In Motion
175 James Ave. North
Minneapolis, MN 55401
(763) 559-1010

Structural Engineer

Erickson Road & As

2550 University Ave. West Suite 201-
Saint Paul, MN 55114
(651) 414-6165

Lighting

LKPB Engineers
3001 Broadway Street NE Suite 607
Minneapolis, MN 55413
(612) 540-5033

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Issue Record	
4/05/019	Design Development

Revisions

Project No.: 2018-082

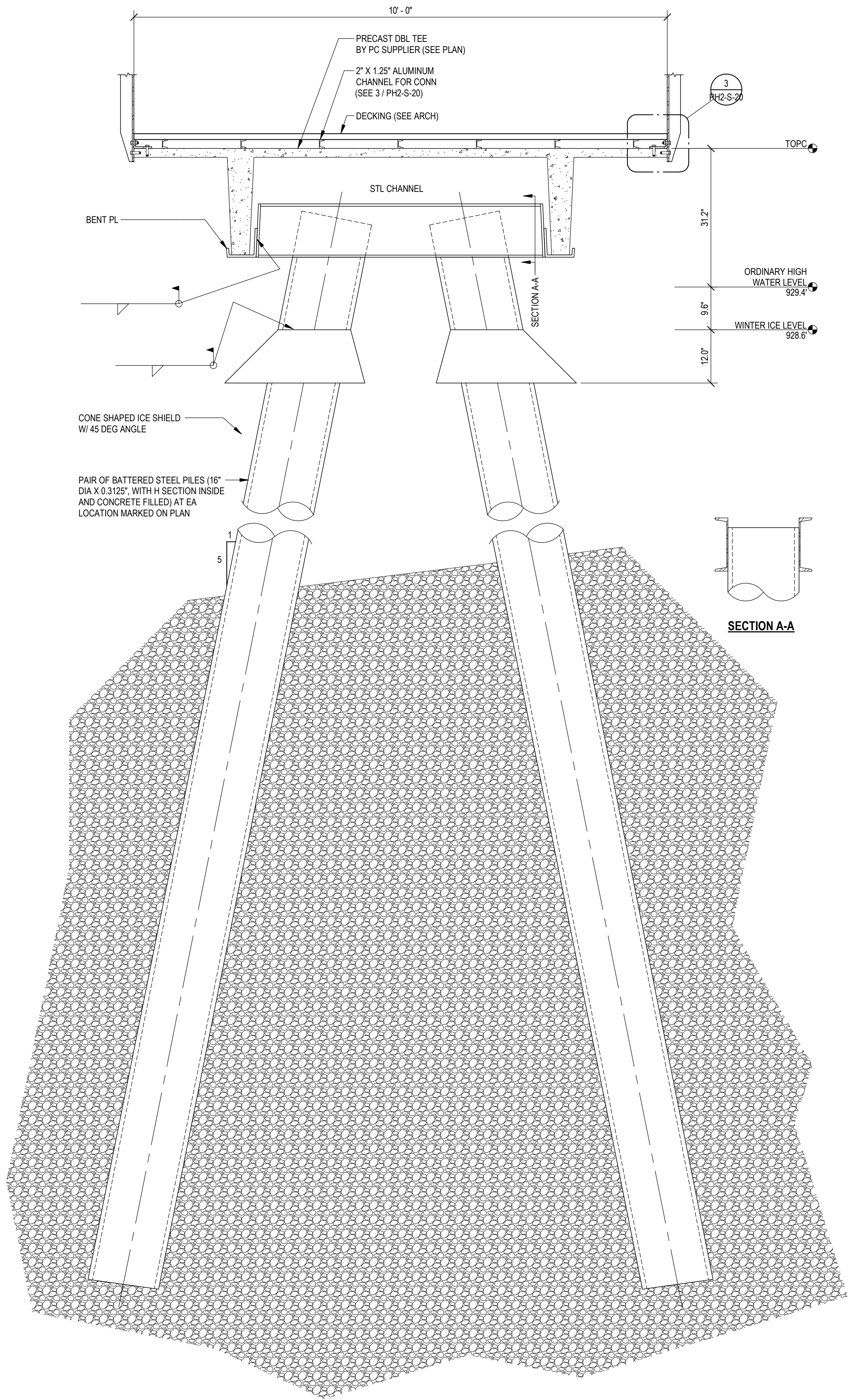
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Checked By: JPL

Date: 4/5/2019

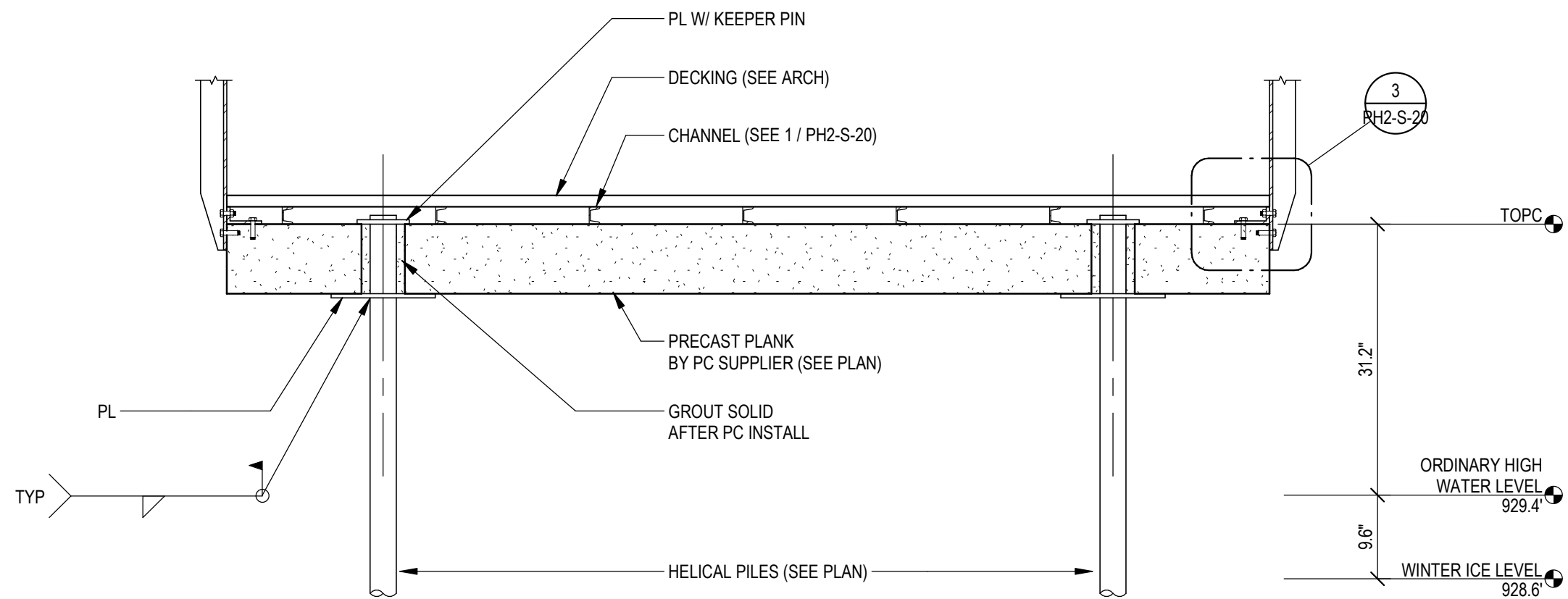
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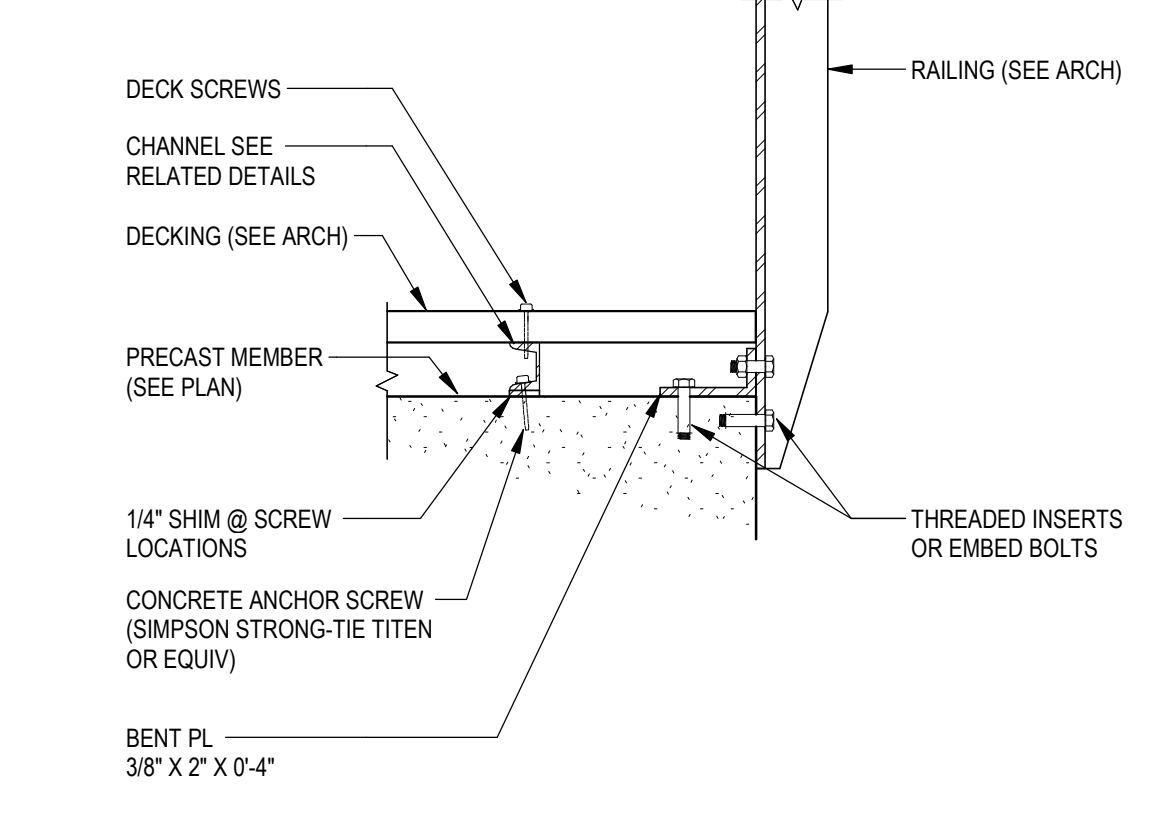
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PH2-S-20 3/4" = 1'-0"

FRAMING DETAIL - TYPICAL PIER DETAIL



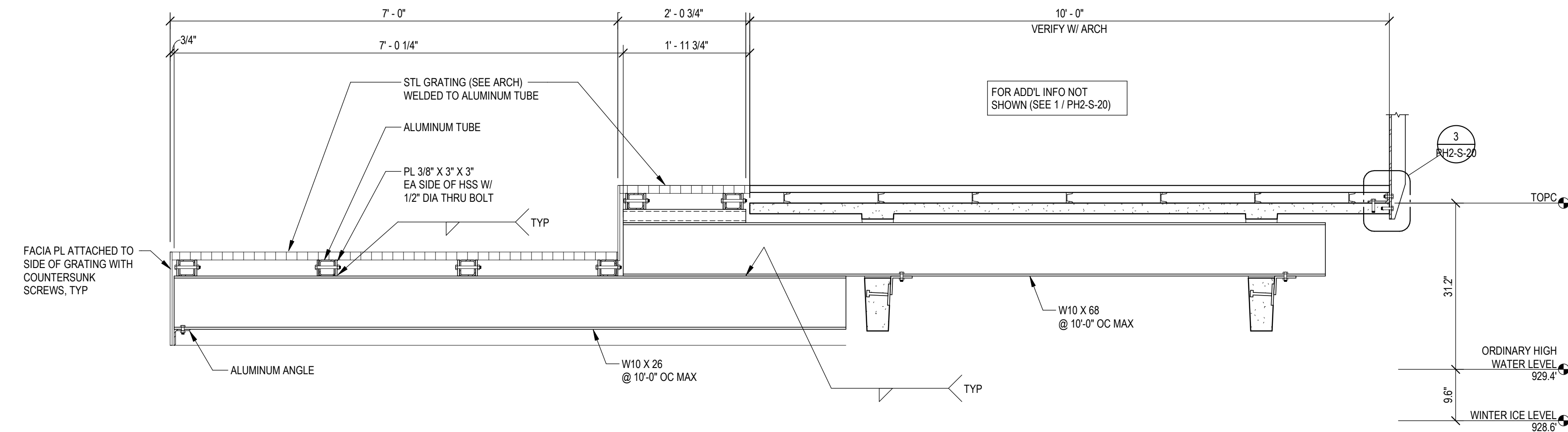
2
PH2-S-20 3/4" = 1'-0"

FRAMING DETAIL



3
PH2-S-20 1 1/2" = 1'-0"

FRAMING DETAIL



4
PH2-S-20 3/4" = 1'-0"

FRAMING DETAIL

- Consultants:
- Architect
- Snow Kretsch Architects
219 North Second St Suite 120
Minneapolis, MN 55401
(612) 752-0292
- Civil Engineer
- Solution Blue
444 Cedar Street Suite 1005
Saint Paul, MN 55101
(651) 289-5534
- Ecologist
- Applied Ecologist Services, Inc.
21538 Washburn Road
Prior Lake, Minnesota 55372
(952) 447-1919
- Traffic Engineer
- SRT Consulting Group, Inc.
One Carlson Parkway North Suite 150
Minneapolis, MN 55447
(763) 249-8728
- Irrigation
- Water in Motion
175 James Ave. North
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Saint Paul, MN 55114
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- Lighting
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Issue Record	
4/05/019	Design Development

Revisions	

Project No.: 2018-082

Drawn By: ASG

Checked By: JPL

Date: 4/5/2019

WAYZATA LAKE EFFECT DD.2
COST MODEL APRIL 2019

material	Quantity	Units	\$/Unit	Cost	Notes
Lake St. Dakota Regional Trail Extension					
Hardscape					
Conc Curb and gutter	1,706	LF	\$25.00	\$42,650.00	
4" Sidewalk (Sand Finished)	10,461	SF	\$11.00	\$115,071.00	
Tined Concrete	370		\$2.00	\$740.38	
Asphalt Bike Path	11,346	SF	\$2.87	\$32,561.97	
Asphalt roadway (mill and overlay)	8,225	SF	\$1.50	\$12,337.50	
Pedestrian Ramp	12	EA	\$2,800.00	\$33,600.00	
Trash Receptical	3	EA	\$1,645.00	\$1,645.00	
Swing Gate @ RR Crossing	2	EA	\$1,500.00	\$3,000.00	
Pavement Striping - 4" Line	2,000	LF	\$0.90	\$1,800.00	
Pavement Striping - Turn Arrow	60	SF	\$3.00	\$181.20	
Pavement Striping - Crosswalk	2,839	SF	\$3.00	\$8,518.06	
				Sub-total	\$252,105.10
Site Work					
Earthwork	1	LS	\$50,000.00	\$50,000.00	
				Sub-total	\$50,000.00
Utilities					
2'x3' Catch Basin Casting	1	EA	\$960.00	\$960.00	
Beehive Casting	2	EA	\$2,350.00	\$4,700.00	
Reconstruct Storm Structure	3	EA	\$2,670.00	\$8,010.00	
Connect to Existing Storm	8	EA	\$1,500.00	\$12,000.00	
Adjust Frame & Ring Casting	10	EA	\$800.00	\$8,000.00	
				Sub-total	\$33,670.00
Planting / Irrigation					
Lawn	9,800	SF	\$3.50	\$34,299.64	
Shrub	2,578	SF	\$6.00	\$15,468.85	
2.5" Caliper Tree	12	EA	\$700.00	\$8,400.00	
Irrigation	1	LS	\$31,080.00	\$31,080.00	
				Sub-total	\$89,248.49
MEP / Electrical					
Pedestrian Light (New lights added based on new trail design)	11	EA	\$9,000.00	\$99,000.00	
				Sub-total	\$99,000.00
Demo					
Demo Existing Conc. Sidewalk	10,203	SF	\$1.00	\$10,203.00	
Demo Existing Conc Curb	1,850	LF	\$7.00	\$12,950.00	
Demo Existing Asphalt Road	8,225	SF	\$0.50	\$4,112.50	
Demo Existing Brick Plaza and Walls		SF	\$1.00	\$0.00	
Remove Manhole Casting/Cone	3	EA	\$250.00	\$750.00	
Remove Storm Pipe		LF	\$13.50	\$0.00	
Remove Watermain Pipe	2	LF	\$100.00	\$200.00	
Relocate Hydrant	1	EA	\$3,500.00	\$3,500.00	
Demo Tree Box	2	EA	\$200.00	\$400.00	
Demo Tree/Shrub	20	EA	\$150.00	\$3,000.00	
Demo Brick Planter		EA	\$300.00	\$0.00	
Demo Light Pole		EA	\$400.00	\$0.00	
Salvage Sign	12	EA	\$30.00	\$360.00	
Salvage Bench/Seating/Tables	1	EA	\$50.00	\$50.00	
Salvage Light Pole	25	EA	\$250.00	\$6,250.00	
Salvage Electrical Box	4	EA	\$25.00	\$100.00	
				Sub-total	\$41,875.50
				Sub-total Phase 1 Lake St Extension	\$565,899.09
				Construction Contingency	5% \$28,294.95
				TOTAL ESTIMATED COST HARD COSTS (Phase 1 Extension)	\$594,194.05

*Excludes RR Crossing Cost

*Excludes \$63,000 for 7 new lights (12 total - 5 salvaged / relocated +7 lights @\$9,000 each

WAYZATA LAKE EFFECT DD.2
COST MODEL APRIL 2019

material	Quantity	Units	\$/Unit	Cost
PH2 IMPROVEMENTS ADJACENT TO WAYZATA BAY				
The Depot				
Sitework				
Earthwork	1	LS	\$35,000.00	\$35,000.00
Sub-total				\$35,000.00
Structure				
Restroom	1	LS	\$150,000.00	\$150,000.00
Decking	1,519	SF	\$50.00	\$75,950.00
Sub-total				\$225,950.00
Hardscape				
Concrete Stair	60	LF	\$60.00	\$3,600.00
Conc Curb and Gutter	431	LF	\$20.00	\$8,620.00
4" Sidewalk (Sand Finished)	8,676	SF	\$11.00	\$95,436.00
Asphalt roadway	8,452	SF	\$3.00	\$25,356.00
Pedestrian Ramp	1	EA	\$2,800.00	\$2,800.00
Crosswalk (Standard)	205	SF	\$1.00	\$205.00
Bike Rack	6	EA	\$355.00	\$2,130.00
Trash and Recycling	6	EA	\$1,645.00	\$9,870.00
Harvest Table @ Deck	1	LS	\$5,000.00	\$5,000.00
Picnic Table	6	EA	\$2,345.00	\$14,070.00
Loll Adirondack Chair	28	EA	\$650.00	\$18,200.00
Fire Pit	1	LS	\$5,000.00	\$5,000.00
Ornamental Fencing	45	LF	\$40.00	\$1,800.00
Steel Hand Rail	22	LF	\$75.00	\$1,650.00
Flush Concrete Landscape Band	143	LF	\$20.00	\$2,860.00
Stacked granite retaining wall	161	LF	\$260.00	\$41,860.00
Pavement Striping - 4" Line	300	LF	\$0.90	\$270.00
Pavement Striping - Crosswalk	140	SF	\$3.00	\$420.00
Pavement Striping - Handicap Detail	2	EA	\$30.00	\$60.00
Rip Rap	100	TN	\$70.00	\$7,000.00
Signage	1	LS	\$25,000.00	\$25,000.00
Sub-total				\$271,207.00
MEP / Electrical				
Pedestrian Light	15	EA	\$9,000.00	\$135,000.00
Conduit / Electrical Utilities	1	LS	\$25,000.00	\$25,000.00
Restroom MEP	1	LS	\$70,000.00	\$70,000.00
Sub-total				\$230,000.00
Planting				
Lawn	8,495	SF	\$3.50	\$29,731.52
Shrub	3,394	SF	\$6.00	\$20,364.00
2.5" Caliper Tree	18	EA	\$700.00	\$12,600.00
Sub-total				\$62,695.52
DEPOT TOTAL				\$824,852.52
Eco Park				
Site Work				
Earthwork	1	LS	\$15,000.00	\$15,000.00
Sub-total				\$15,000.00
Structure				
Net Lounge	1	LS	\$50,000.00	\$50,000.00
Ipe Decking @ Boardwalk	3,141	SF	\$45.00	\$141,349.96
Boardwalk Railing	828	LF	\$600.00	\$496,800.00
Boardwalk Prestressed Structure	142	L.F	\$1,800.00	\$255,600.00
Helical Piers	275	L.F	\$650.00	\$178,750.00
Section Foreman House Renovation				
* Does not include cost of utilities and infrastructure if required.				
* Does not include siteworks or related modifications to the surrounding area.				
* Does not include special equipment (e.g. Elevators, lifts, etc..)				
* Assumes that the existing soils conditions have adequate bearing capacity for existing and proposed uses.				
* Does not include cost of asbestos or other hazardous material remediation and removal.				
* Assumes that the existing building's structural integrity has not been significantly compromised.				
	1	LS	\$600,000.00	\$600,000.00
Sub-total				\$1,722,499.96
Hardscape				

Decking @ Section Forman	534 SF	\$50.00	\$26,715.85
Concrete Stair	280 LF	\$60.00	\$16,800.00
4" Sidewalk (Sand Finished)	1,055 SF	\$11.00	\$11,605.00
Stabilized Rock with Klingstone	5,931 SF	\$5.00	\$29,653.34
Trash and Recycling	4 EA	\$1,645.00	\$6,580.00
Picnic Table	7 EA	\$2,345.00	\$16,415.00
Loll Adirondack Charir	6 EA	\$650.00	\$3,900.00
Steel Hand Rail	68 LF	\$75.00	\$5,100.00
Signage	1 LS	\$25,000.00	\$25,000.00
Sub-total			\$141,769.18
MEP / Electrical			
Pedestrian Light	9 EA	\$9,000.00	\$81,000.00
Conduit / Electrical Utilites	1 LS	\$25,000.00	\$25,000.00
Sub-total			\$106,000.00
ECO PARK TOTAL			\$1,985,269.14
Boardwalk			
Structure			
Ipe Decking @ Boardwalk	14,411 SF	\$45.00	\$648,495.00
Boardwalk Railing	2,732 LF	\$600.00	\$1,639,200.00
Boardwalk Prestressed Structure	1424 L.F	\$1,800.00	\$2,563,200.00
Helical Piers	638 LF	\$650.00	\$414,700.00
Overlook Terrace Structure	1 LS	\$100,000.00	\$100,000.00
ohio grating	1 LS	\$18,000.00	\$18,000.00
Sub-total			\$5,383,595.00
MEP / Electrical			
Boardwalk Lighting	1 LS	\$190,425.00	\$190,425.00
Sub-total			\$190,425.00
BOARDWALK TOTAL			\$5,574,020.00
Commuinty Docks			
Structure			
Community Docks	4,983 SF	\$75.00	\$373,759.55
Sub-total			\$373,759.55
Lake Edge / Wetland Restoration			
Jersey Barrier Wave Break	948 LF	\$250.00	\$237,000.00
5 Gallon Shrub	355 EA	\$40.00	\$14,200.00
2.5" Caliper Tree	8 EA	\$700.00	\$5,600.00
Mesic Savanna	4,867 SF	\$1.30	\$6,336.26
Wet Savanna	4,050 SF	\$1.30	\$5,280.99
Mesic Prairie	16,100 SF	\$1.30	\$21,008.36
Wet Prairie	16,095 SF	\$1.31	\$21,042.48
Emergent	35,455 SF	\$3.50	\$124,092.50
Floating-Leaved Aquatic & Submergent	26,132 SF	\$3.00	\$78,396.00
Irrigation	1 LS	\$74,700.00	\$74,700.00
Sub-total			\$587,656.59
Demo			
Demo Existing Conc. Sidewalk	6,810 SF	\$1.00	\$6,810.00
Demo Existing Conc Curb	700 LF	\$7.00	\$4,900.00
Demo Existing Asphalt Road	11,630 SF	\$0.50	\$5,815.00
Demo Existing Gravel	5,680 SF	\$0.80	\$4,544.00
Demo Existing Brick Pavers and Walls	370 SF	\$4.50	\$1,665.00
Demo Storm Structure	EA	\$90.00	\$0.00
Remove Storm Pipe	LF	\$13.50	\$0.00
Remove Watermain Pipe	LF	\$9.50	\$0.00
Remove Watermain Valves	EA	\$1,000.00	\$0.00
Remove Dock	7830 SF	\$1.35	\$10,570.50
Demo Tree/Shrub	4 EA	\$150.00	\$600.00
Demo Planter	4 EA	\$300.00	\$1,200.00
Demo Picnic Tables	5 EA	\$50.00	\$250.00
Demo Miscellaneous	4 EA	\$25.00	\$100.00
Salvage Sign	10 EA	\$30.00	\$300.00
Salvage Bench/Seating/Tables	18 EA	\$50.00	\$900.00
Salvage Light Pole	1 EA	\$250.00	\$250.00
Sub-total			\$37,904.50
Utilities			
4" Sub Drain & Cleanouts @ Depot Deck	640 LF	\$12.00	\$7,680.00
Storm Catch Basin	1 EA	\$960.00	\$960.00
Beehive Casting	1 EA	\$2,350.00	\$2,350.00
12" RCP Storm Pipe	18 LF	\$22.00	\$396.00
Reconstruct Storm Structure	1 EA	\$2,670.00	\$2,670.00
Connect to Existing Storm	2 EA	\$1,500.00	\$3,000.00
Adjust Frame & Ring Casting	3 EA	\$800.00	\$2,400.00

4" PVC San Pipe	23 LF	\$44.00	\$1,012.00
6" PVC San Pipe	204 LF	\$40.00	\$8,160.00
Sanitary Service Connection	1 EA	\$1,500.00	\$1,500.00
6" Sanitary Cleanout	2 EA	\$1,200.00	\$2,400.00
Connect to Existing Sanitary	1 EA	\$1,500.00	\$1,500.00
Domestic Water Service Connection	1 EA	\$1,500.00	\$1,500.00
3/4" Type K Copper Pipe	390 LF	\$37.00	\$14,430.00
3/4" Corporation Stop w/ Saddle	1 EA	\$300.00	\$300.00
3/4" - 45 Deg Bend	4 EA	\$150.00	\$600.00
Connect to Existing WM	1 EA	\$1,500.00	\$1,500.00
Adjust Frame & Ring Casting	3 EA	\$800.00	\$2,400.00
Sub-total			\$54,758.00
Sub-total Lake Minnetonka			\$9,438,220.29
Construction Contingency		5.0%	\$471,911.01
TOTAL ESTIMATED HARD COST (Phase 2)			\$9,910,131.30
Design Costs		6.0%	\$594,607.88
TOTAL ESTIMATED HARD COST / SOFT COSTS (Phase 2)			\$10,504,739.18