Purchasing Division
Finance Department

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411 West First Street
Duluth, Minnesota 55802

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purchasing@duluthmn.gov

Addendum No. 5
Solicitation 25-99824
Perch Lake Landing

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. The bid submission due date has been moved to January 29, 2026 at 2:00 PM CT.
2. In the Plan Set issued in Addendum No. 1, strike detail 8 C3.0 (Sediment Structure) and replace with the attached Plans labeled "Rain Guardian Turret Pre-Treatment Chamber".

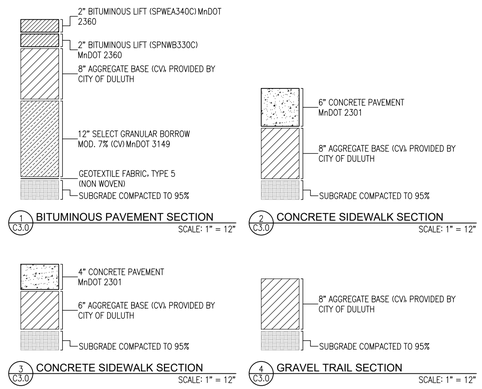
The following are questions asked by contractors and their subsequent answers (in italics):

1. In regards to the docking system, please provide additional detail on the concrete abutment structure that the gangway connects to. Specifically, please confirm what is included/required for this abutment (dimensions, reinforcing, embed plates/anchors, hardware, elevation/tie-in requirements, and any connection details).
    a. *Footing for docking system to be installed per manufacturer recommendations. The contact for BoardSafe is Tom Warchol; 720-987-4051; tom@boardsafedocks.com*
2. In reference to Addendum 4, Question #1, please clarify what the City of Duluth will be requiring for this item. If applicable, please confirm the exact scope, material requirements, and dimensions.
    a. *Footing for the picnic shelter to be installed per manufacturer recommendations. Contacts for the Shelter options as shown in the specifications:*
        i. *2.01 SHELTER SYSTEM AND MATERIALS. A-Manufacturers:*
            1. *Poligon, a Product of PorterCorp, 4240 N 136th Ave., Holland, MI 49424; 616.399.1963; E-mail: info@poligon.com; www.poligon.com. Receive pricing from Sue Ayers at Northland Recreation, LLC (651-815-4097).*
            2. *RCP Shelters, Inc, 2100 SE Rays Way, Stuart, FL 34994; E-mail: info@rcpshelters.com; www.rcpshelters.com. Receive pricing from Bruce Pudwill at Midwest Playscapes, Inc (612-325-0935).*
3. I have a question regarding the line item for bark mulch. I am not seeing where it is to be spread on the landscape plan. Can you clarify?
    a. *Shredded hardwood mulch is to be used around all new tree plantings at a minimum depth of 4" and width a minimum of two times (2x) the tree root ball diameter (as shown in Detail 2/D-1).*

4. What is the electrical scope? Is there an electrical conduit required for the picnic shelter? Footing alternate description has the words “electrical conduit”.
    a. *There is no electrical component on this project.*
5. Will the 3rd bench across the bridge require a concrete bench pad?
    a. *Yes, use the same dimensions as shown on sheet L-2.*
6. Provide a recommendation for bidding on size/type of concrete abutment for kayak launch.
    a. *See this addendum, question No. 1.*
7. Is there a handicap parking sign required at the handicap spot?
    a. *Yes, see Civil Detail 5/ sheet C3.0*
8. Clarify electrical scope on precast vault, if any
    a. *There is no electrical scope on this project.*
9. “Dark Concrete” shown on landscape plans but not on civil?
    a. *Please follow landscape plan. The strip of concrete between the curb and sidewalk should have a slightly darker gray tint to differentiate the parking/unloading zone from the pedestrian path.*

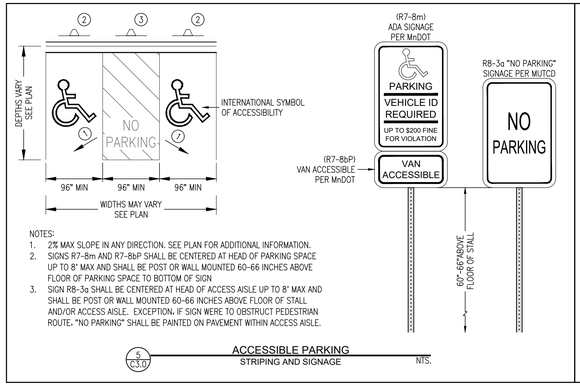
Please acknowledge receipt of this Addendum by checking the acknowledgement box within the www.bidexpress.com solicitation.

Posted: **January 26, 2026**



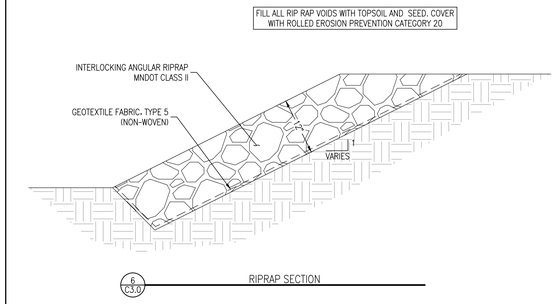
*SEE SHEET D-1 FOR PAVILION CONCRETE SLAB (5/D-1) AND CONCRETE WALK AT VAULT TOILET (7/D-1) DETAILS

NOTE: CONTRACTOR RESPONSIBLE FOR TRUCKING CITY PROVIDED CV FROM PARKS MAINTENANCE YARD @ 110 N. 42ND AVE W.

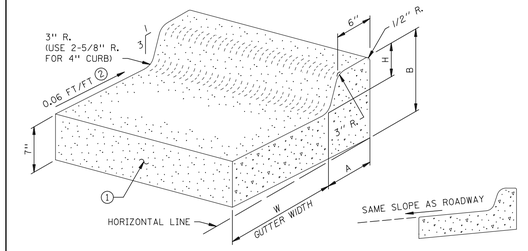


NOTES:
1. 2% MAX SLOPE IN ANY DIRECTION. SEE PLAN FOR ADDITIONAL INFORMATION.
2. SIGNS R7-8m AND R7-8bP SHALL BE CENTERED AT HEAD OF PARKING SPACE UP TO 8' MAX AND SHALL BE POST OR WALL MOUNTED 60-66 INCHES ABOVE FLOOR OF PARKING SPACE TO BOTTOM OF SIGN
3. SIGN R8-3a SHALL BE CENTERED AT HEAD OF ACCESS AISLE UP TO 8' MAX AND SHALL BE POST OR WALL MOUNTED 60-66 INCHES ABOVE FLOOR OF STALL AND/OR ACCESS AISLE. EXCEPTION: IF SIGN WERE TO OBSTRUCT PEDESTRIAN ROUTE, "NO PARKING" SHALL BE PAINTED ON PAVEMENT WITHIN ACCESS AISLE.

5 C3.0 ACCESSIBLE PARKING STRIPING AND SIGNAGE NTS.



6 C3.0 RIPRAP SECTION

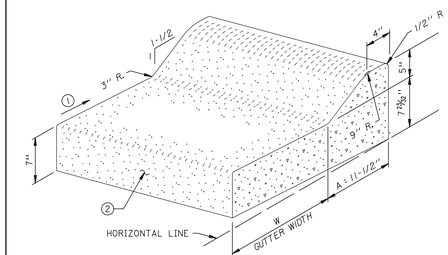


DESIGN B — REVERSE SLOPE GUTTER SECTION
(FORMS MAY BE TILTED)

NOTES:
1. LONGITUDINAL JOINT WHEN ADJACENT TO RIGID PAVEMENT OR BASE.
   SEE STANDARD PLANS MANUAL FOR JOINT INFORMATION.
2. SLOPE 0.06 FT/FT NORMAL, UNLESS OTHERWISE SPECIFIED. IF A DIFFERENT GUTTER SLOPE IS PERMITTED, THE FORM MAY BE TILTED.

DESIGN B			W = 12"			W = 18"			W = 24"		
DIMENSIONS			DESIGN NO.	CONCRETE		DESIGN NO.	CONCRETE		DESIGN NO.	CONCRETE	
				CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.		CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.		CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.
H	A	B									
6	8"	13-1/2"	B612	0.0474	21.1	B618	0.0582	17.2	B624	0.0690	14.5

7 C3.0 CONCRETE CURB AND GUTTER - DESIGN B612
SEE MnDOT STANDARD PLATE 7100H NTS.



DESIGN S

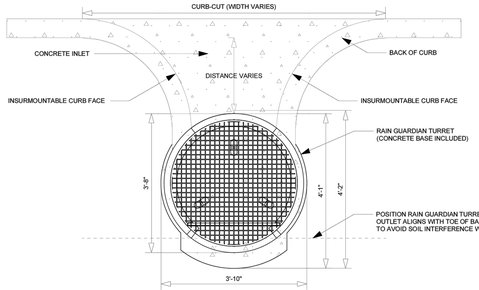
NOTES:
1. SLOPE 3/4" PER FOOT NORMAL, UNLESS OTHERWISE SPECIFIED. IF A DIFFERENT GUTTER SLOPE IS SPECIFIED, THE FORM MAY BE TILTED.
2. LONGITUDINAL JOINT WHEN ADJACENT TO RIGID PAVEMENT OR BASE. SEE STANDARD PLANS MANUAL FOR JOINT INFORMATION.

S	GUTTER WIDTH W	CONCRETE	
DESIGN NO.		CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.
S512	12-1/2"	0.0541	18.5
S518	18-1/2"	0.0649	15.4
S524	24-1/2"	0.0757	13.2
S530	30-1/2"	0.0865	11.6
S536	36-1/2"	0.0973	10.3

9 C3.0 CONCRETE CURB AND GUTTER - DESIGN S512
SEE MnDOT STANDARD PLATE 7102K NTS.

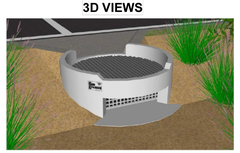
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PLAN VIEW



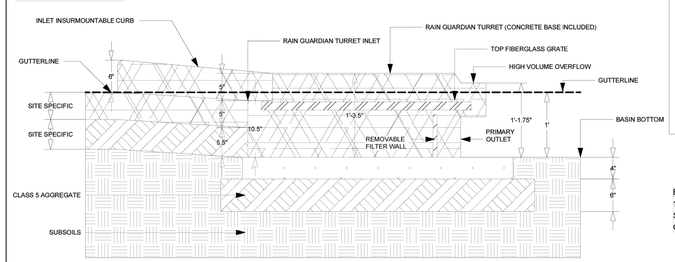
PLAN VIEW NOTES
1. INLET WIDTH AND DISTANCE BETWEEN BACK OF CURB AND RAIN GUARDIAN TURRET MAY VARY WITH SITE CONDITIONS.
2. CONCRETE BASE EXTENDS BEYOND THE FILTER WALL OF THE RAIN GUARDIAN TURRET TO SERVE AS A SPLASH DISSIPATOR.

3D VIEWS





ELEVATION VIEW



ELEVATION VIEW NOTES
1. THE TOP OF THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR) IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION.

SPECIFICATIONS

1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURE (1,030 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (5% TO 8.5% BY VOLUME). MANUFACTURED AND DESIGNED TO ASTM C858.

2. THREE-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.

3. FIBERGLASS TOP GRATE (32 LBS, 1-1/2" THICK) - 1,760 LB CONCENTRATED LOAD OR 409 LB/SQ-FT UNIFORM LOAD.

INSTALLATION NOTES

1. INSTALL THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR). THE DISTANCE FROM THE BACK OF THE CURB MAY VARY BASED ON SITE CONDITIONS, BUT CONSIDERATIONS SHOULD INCLUDE SLOPE OF THE INLET AND BASIN SIDE SLOPES ADJACENT TO THE RAIN GUARDIAN TURRET. POSITION RAIN GUARDIAN TURRET SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL. EXCAVATE 1' 10" BELOW THE GUTTERLINE ELEVATION (I.E. THE BIORETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 1' PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" RAIN GUARDIAN TURRET BASE (INCLUDED). THEREFORE, THE TOP OF THE CLASS 5 COMPACTED BASE IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION. THE INLET TO THE RAIN GUARDIAN TURRET WILL BE 10-1/2" ABOVE THE TOP OF THE CONCRETE BASE AND 1-1/2" BELOW THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN TURRET.

2. SET RAIN GUARDIAN TURRET ON THE PREPARED CLASS 5 BASE.

3. INSTALL FRAMING FOR INLET BETWEEN RAIN GUARDIAN TURRET AND BACK OF CURB. TOP ELEVATIONS OF THE FRAMING SHOULD MATCH THE TOP OF THE CURB ON THE STREET SIDE AND THE TOP OF THE RAIN GUARDIAN TURRET ON THE BIORETENTION SIDE.

4. INSTALL EXPANSION/CONTRACTION JOINT MATERIAL OR A SHEET OF POLY TO SERVE AS A BOND BREAK BETWEEN RAIN GUARDIAN TURRET AND CONCRETE INLET BEFORE POURING INLET.

5. SIDE CURBS OF THE POURED INLET MUST HAVE AN INSURMOUNTABLE PROFILE TO PREVENT WATER FLOW FROM OVERTOPPING THE DOWNSTREAM SIDE OF THE INLET.

6. REMOVABLE FILTER WALL SHOULD BE INSTALLED WITH FILTER FABRIC ON THE INTERIOR SIDE OF THE RAIN GUARDIAN TURRET.

RAIN GUARDIAN
U.S. PATENT NOS. 8,501,016 AND 8,858,804
PRETREATMENT FOR BIORETENTION
Rain Gardens • Swales • Filtration Basins • Infiltration Basins
www.RainGuardian.biz

8 C3.0

RAIN GUARDIAN TURRET
PRETREATMENT CHAMBER
BIORETENTION PONDING DEPTH: 1'
TYPICAL DETAIL

REVISION HISTORY

REV	BY	DATE	DESCRIPTION
A	MDH	11/16/2022	TURRET - 1'
SCALE		VARIABLE	
U.S. PATENT NOS.		8,501,016 AND 8,858,804	

DEVELOPED BY: ANOKA CONSERVATION DISTRICT

MANUFACTURED BY: Stoneworks ARCHITECTURAL PRECAST / CAST STONE
NATIONAL PRECAST CONCRETE ASSOCIATION CERTIFIED PLANT

Northland Consulting Engineers L.L.P.
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PERCH LAKE LANDING
PARKING AND SITE IMPROVEMENTS
12100 HIGHWAY 23 DULUTH, MN 55808

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Engineer: Adam Zwak
Lic. No: 55459
09/27/25

REVISIONS:
1 ADDENDUM 5 01/23/26

PROJECT: 24-576
CHECKED: TTP
DRAWN: DRH
DATE: 08/27/25

Sheet Title: DETAILS

Sheet Number: C3.0

SITE LEGEND AND NOTES		
REF	DESCRIPTION	SYMBOL
1 C3.0	BITUMINOUS PAVEMENT	
2 C3.0	CONCRETE SIDEWALK - 6"	
4 C3.0	B612 CURB & GUTTER	CATCH / SPILL (REVERSE SLOPE)
3 C3.0	ACCESSIBLE PARKING	
	SIGN - SEE PLAN	
	PAVEMENT MESSAGE	

66' RIGHT OF WAY

121ST AVE W

VETERANS EVERGREEN MEMORIAL DRIVE

160' RIGHT OF WAY

PROPERTY LINE

ST. LOUIS RIVER

ORDINARY HIGH WATER : 602.00'

BENCHMARK
TOP OF PK ON GUARD RAIL POST
EL=608.91

MONUMENT SIGN

INSTALL SALVAGED GUARDRAIL

CITY OF DULUTH TRAIL GATE

FFE:608.30

FFE:605.73

SAND BEACH (SEE ARCH)

BENCH PAD SEE ARCH

BENCH PAD @ NEXT BRIDGE

(AP-111)INV=603.19
N=3296467.26, E=4805721.56
(D-104)W, 18" CMP IN=603.19

(AP-112)INV=603.21
N=3296448.74, E=4805794.42
(D-105)E, 18" CMP OUT=603.21

(AP-110)INV=604.19
N=3296467.76, E=4805671.57
(D-104)E, 18" CMP OUT=604.19

(D-104)18" CMP
50.00' @ 2.00%

(D-100)18" CMP
8.00' @ 0.80%

(D-100)18" CMP
24' @ 0.80%

(EX-AP-101)INV=602.96
W, 18" CMP IN=602.96

(EX-AP-102)INV=602.02
S, 48" CMP OUT=602.02

(EX-D-101)18" CMP
105' @ 1.05%

(EX-AP-103)INV=600.88
N, 48" CMP IN=600.88

24'

10' DEPRESSED CURB

3' CURB TAPER

27.35' DEPRESSED CURB

3' CURB TAPER

12'

8'

6'

10'

R85'

R15'

R10'

100'

70'

60'

30'

16'

5'

0' 10' 20' 40'

N W E S

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

08/27/25
Lic. No:55459
Engineer: Adam Zwak

REVISIONS:
1 ADDENDUM 5 01/23/26

PROJECT: 24-576
CHECKED: TTP
DRAWN: DRH
DATE: 08/27/25

Sheet Title
SITE PLAN

Sheet Number
C5.0

LEGEND & ESTIMATED QUANTITIES

REF	DESCRIPTION	QUANTITY	SYMBOL
2 / C8.0	SILT FENCE, TYPE HI	410 LF	
	STORM DRAIN INLET PROTECTION	2 EA	
1 / C8.0	4" TOPSOIL, SEED, & ROLLED EROSION PREVENTION CATEGORY 20	840 SY	
6 / C3.0	RANDOM RIPRAP CLASS III (FRACTURED)	22 CU	

66' RIGHT OF WAY

121ST AVE W

VETERANS EVERGREEN MEMORIAL DRIVE

160' RIGHT OF WAY

BENCHMARK
TOP OF PK ON GUARD RAIL POST
EL=608.91

PROPERTY LINE

ST. LOUIS RIVER

N
W E
S

0' 10' 20' 40'

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08/27/25.

Engineer: Adam Zwak Lic. No.54499

REVISIONS:

1	ADDENDUM 5	01/23/26

PROJECT: 24-576
CHECKED: TTP
DRAWN: DRH
DATE: 08/27/25

Sheet Title
EROSION CONTROL PLAN

Sheet Number
C7.0