



**Sub-basin 46.3a Watercourse Stabilization Design
Bid No. 23-31**

ADDENDUM No. 1

Released: September 20, 2023

Bid Due: 2 pm (PST), **October 6, 2023, to elayne.grueber@mercerisland.gov**

This addendum is for the Sub-basin 46.3a Watercourse Stabilization Design, issued August 31, 2023. The document is posted to capture any questions received via e-mail during the open question period.

The addendum shall become fully part of the above-named project RFQ. Each bidder shall be responsible for reading this addendum to ascertain to what extent and in what manner it affects the work to be performed. The original Bid Document remains in effect and is not changed by this Addendum except as indicated.

This addendum extends the deadline by one (1) week. The revised submittal deadline is **October 6, 2023**.

Questions and Answers

1	Does the City foresee any need for consultant support on outreach/engagement for the Sub-basin 46.3a project that's currently advertised?	The City will be responsible for the outreach/engagement of residents. The City is interested in having support with the outreach needed for permitting of the project.
2	The project description in the RFQ mentions a 475 LF section of channel to be improved by this project; however, Attachment 1 does not specify the anticipated improvement area. Has the section of open channel water course to be improved been defined by the City or will that determined in the course of this work?	There was work done in 2014 to assess the condition of the channel. Attachment 1 for this Addendum provides the information from the 2014 evaluation of the watercourse. This information should be verified as part of the work for this project but the expectation is that most of the work will be in the lower half of the watercourse.
3	Have there been any recent (within the last 10 years) delineations or data characterizations for the biological critical areas in the 53 rd Pl Open Space? How about geological hazards?	This work has not been done for this site.
4	It appears from the available land use document accessible through the City's GIS Mapper there were watercourse stabilization improvements completed for	No information was located for a 2000 project. In 2003, work consisted of placing cedar logs along north and south edges of the stream and placing rock for bank protection, as well as rebuilding five check dams.

	Basin 46a in or around 2000 (Files SEP0006-002 and CAO0006-001) and 2003 (Files VAR03-010 & SEP03-026). Do you know the outcome of that work? Is that the last time erosion/stabilization projects were completed for this subbasin?	Attachment 1 , from 2014, represents the available information on the condition of the watercourse. Mercer Island ROW crews clean the downstream outlet from the watercourse (a beehive structure) that flows under East Mercer Way. No other work has been completed in the watercourse along the 53 rd open space since the 2014 condition assessment.
5	It appears that the stabilization project noted above (and similar others on the City website) was constructed without the use of heavy equipment. Do you anticipate that to be a requirement for this project design?	There does not need to be a restriction on use of heavy equipment on the project, as long as project can be permitted and constructed.
6	Have any project interactions occurred with the City's Community Planning and Development staff or any other state/federal agencies to date, and if so, can you share feedback from those discussions?	At this point, there have been no specific interactions with the City's Community Planning and Development staff or state/federal agencies regarding this specific project.
7	Is existing survey (ground, infrastructure) data available for the project vicinity/area?	Existing survey data is not currently available for this location.
8	Do you anticipate the need for concept designs to be fish passable, with the assumption of future fish passable downstream conveyance upgrades?	We do not anticipate the need for fish passage for this watercourse
9	Can you clarify any observed impacts to people, property or infrastructure, as a result of watercourse erosion within the project reach?	Erosion in watercourse appears to be impacting the turbidity of the water at downstream end of watercourse. Sediment has potential to continue downstream into piped conveyance system. Goal of project is to stabilize channel banks and reduce future erosion.



Upstream 46a.3



- Legend**
- Storm Main
 - Other
 - Culvert
 - Ditch
 - Pipe
 - Watercourse
 - Storm Catchbasin
 - Storm Discharge Point
 - Bridge
 - Paved Road
 - Streets
 - SideWalk
 - Paved Driveway
 - Paved Parking Area
 - Address
 - Building
 - Ownership Parcels
 - Docks
 - Parks
 - King_co_ Streets
 - Water

1:2,693

Notes

Disclaimer: These maps were developed by the City of Mercer Island and are intended to be a general purpose digital reference tool. These maps are not an accepted legal instrument for describing, establishing, recording or maintaining descriptions for property concerns or boundaries. The City makes no representation or warranty with respect to the accuracy or currency of these data sets, especially in regard to labelling of surveyed dimensions, or agreement with official sources such as records of survey, or mapped locations of features.

448.9 0 224.45 448.9 Feet

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City of Mercer Island
Comprehensive Basin Review and Watercourse Monitoring

Watercourse 46a.3
Headwaters downstream to East Mercer Way
4/11/2014

Station (ft.)	Observations	Erosion Risk	Recommended Work
0+00	TRAIL	NONE	
0+70	BEGIN SEEPAGE OBSERVED. WETLAND	NONE	
1+20	BEGIN FLOWING SURFACE WATER	NONE	
1+50	FLOW IS 2 GPM	NONE	
1+80	FORMED CHANNEL 4" DEEP AND 1' WIDE	NONE	
1+90	SOME MODEST CHANNEL INCISION	NONE	
2+40	SOUTH TRIB. 2 GPM.	NONE	
2+80	CHANNEL 2' DEEP AND 4' WIDE. BANKS SOFT AND WET	NONE	
3+00	MULTIPLE SPRINGS IN NORTH BANK	NONE	
3+50	NORTH TRIB. 4 GPM	NONE	
3+80	CONFLUENCE. MAIN STEM SLIGHTLY INCISED 1'. BANKS REMAIN SOFT AND LOOSE	NONE	
4+20	CHANNEL 3' WIDE AND 1-1.5' DEEP. GRAVEL BED. SOME SEDIMENT FROM SPRING SAPPING.	NONE	
4+60	CHANNEL BECOMING NARROWED. 1'-2' DEEP 1' WIDE. SOFT BANKS WITH GRAVEL BED.	NONE	
5+20	CHANNEL HAS SOFT BANKS	NONE	
5+60	CHANNEL 3'-4' DEEP AND TOP WIDTH 4' SOFT BANKS AND SLOPE. BED SAND AND GRAVEL	NONE	
6+10	CHANNEL 1'-1.5' DEEP AND 1'-2' WIDE. SOFT, WET BANKS AND BED SAND AND GRAVEL	NONE	
6+60	SOME NORTH BANK EROSION OF SANDY BANK. CHANNEL DEPTH INCREASING BUT WELL VEGETATED.	LOW	
6+90	NORTH TRIB FROM 46A.6 (OVERFLOW PIPE INLET ON NORTH SIDE OF 53RD.). MAIN STEM FLOW DOWNSTREAM NOW ABOUT 20 GPM. 3'-4' HIGH BANKS WITH BOTTOM WIDTH 3' AND TOP WIDTH 6'. SANDY BANKS WITH INCREASING SAND IN BED.	LOW	
7+50	SANDY BANKS 3'-4' HIGH. BED BOTTOM WIDTH 5' AND COMPOSED OF SAND WITH GRAVEL. SOURCE OF SAND. APPROX 75'.	MODERATE	
8+50	BANKS WELL VEGETATED AND LESS STEEP. BED CONTAINS MORE GRAVEL. SMALL FLOODPLAIN PRESENT. BAR AND LAG DEPOSITS OF SAND.	LOW	

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9+20	SURFACE WATER ERODED A SUBSURFACE CHANNEL. NORTH BANK IS SLIDE MATERIAL AND IS SOFT, LOOSE AND WET.	MODERATE	
10+50	BEGIN SMALL RECENT SLIDE 30' LONG 10' HIGH AND 3' THICK. MATERIAL HAS BEEN ERODED BY CREEK.	VERY HIGH	
11+00	NORTH BANK IS LANDSLIDE MATERIAL AND APPEARS TO BE CREEPING	HIGH	
11+10	CONSIDERABLE VOLUME OF LAG DEPOSITS OF SAND.	MODERATE	
11+50	CONSIDERABLE VOLUME OF LAG DEPOSITS OF SAND BUT BANKS MORE STABLE. CHANNEL TOP WIDTH 8' AND BOTTOM WIDTH 4'	MODERATE	
12+10	BANKS WET AND LOOSE	HIGH	
12+20	INCREASING SAND IN BED	HIGH	
12+60	QUARRY SPALL CHECK DAM. WORKING OK	MODERATE	
12+75	NORTH TRIB ENTERS WITH 1 GPM	MODERATE	
13+00	ONE LOG AND ONE ROCK CHECK DAM- 2' TO 3' HIGH	MODERATE	
13+20	BANKS LOOSE SAND. BED IS SAND.	MODERATE	
13+80	CONCRETE RUBBLE CHECK DAM 6" HIGH. REMNANT OF CONCRETE DAM STILL PRESENT.	LOW	
14+60	UPSTREAM END OF SEDIMENT POND	LOW	
15+10	SEDIMENT POND DROP INLET	NONE	
15+30	CENTERLINE EAST MERCER WAY		

NOTES

1. THERE ARE NO LONGER ANY PIPED DRAINAGE ENTERING THIS PART OF THE BASIN. ALL FLOW IS LOCAL.
2. WALKED ALONG NORTH BANK SO SOUTH TRIBS WERE NOT OBSERVED.