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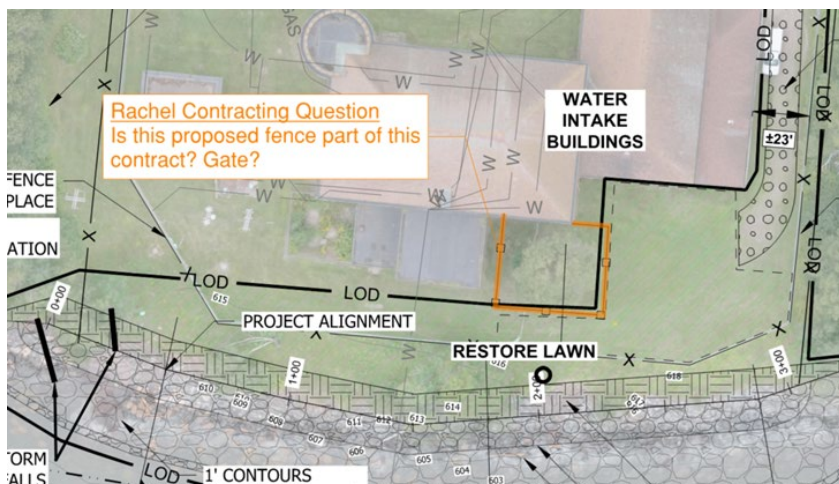
Addendum 1
Solicitation 20-99344
Shoreline Rehabilitation near Water Treatment Plant

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

1. The project is funded in part by emergency funds from the Federal Emergency Management Agency. Award of the project is contingent on FEMA's final approval of the funding.
2. This project is funded in part by emergency funds from the State of Minnesota. As such, the Minnesota Prevailing Wage requirement for overtime to be paid after 8 hours of work must be followed, regardless of any trade agreements.
3. Bids must be firm for a minimum of 90 days.
4. Anticipated start date for this project is May 18, 2020, and substantial completion date is November 1, 2020. All in-water work must be completed by October 1, 2020.
5. The City will be live streaming the bid opening. To view the bid opening, please go to <https://www.duluthmn.gov/purchasing/bids-request-for-proposals/> and select the link for this bid opening.
6. The pre-bid sign-in sheet has been added to the BidExpress solicitation.

Below is a list of questions asked and answers provided:

7. Is the proposed fence located south of the facility part of this contract? Would there be a gate with this fence? See area of interest highlighted in orange below.
 - a. The fence and the curb it sits on are existing. Contractors determine how much they need to remove to perform the work and are responsible for repairing it to



original condition or replacing it in kind. Please see the attached temporary fencing drawing as a suggested solution. Exact location to be determined at the beginning of work.

8. Is there any working hour restrictions? Times and days for access inside fence?
 - a. There are no working hour restrictions, and access will be provided. However, once the fence is removed for construction, contractor will have to provide an alternate means for securing the site.
9. Does Lawn Restoration consist of seed/blanket or topsoil and sod?
 - a. Lawn Restoration shall conform to Specification Section 02200 – Earthwork Subsection 3.3 – Site Restoration.
10. Are the outfalls pipes gasketed?
 - a. Upon further inspection, it was determined that the outfall pipes shall be gasketed.
11. The bottom of the toe stone elevation shall be held at an elevation of 598 ft when on gravelly soils. Minimum toe stone embedment into existing gravelly soils shall be 2 ft. Thus, the bottom of the toe of the armor stone may need to be below elevation 598 ft, but it may not be above elevation 598 ft. Geotextile shall cover all contact area to gravelly soils both below and in front of toe stone, and under the revetment as shown on the drawings. Bedding material shall be placed as required to ensure geotextile does not tear during toe stone installation.
12. Armor stone and toe stone interlock will be critical throughout this project. Each rock must be carefully placed to ensure excellent interlock.
13. Rebar anchors at 2 ft on center shall be installed to hold toe stone on exposed bedrock (see attached detail). Exposed bedrock exists on north and south ends of project. The bid form has been updated to include the quantities below.
 - a. Total quantity estimated (above water line) = 60
 - b. Total quantity estimate (up to 2 ft below water line) = 10
14. Does the silt fencing have to return from the shoreline towards the road on the southwest side of the project?
 - a. No, silt fencing is only required in areas impacted by construction, and in areas where stormwater may run off the construction site.
15. Will any existing stone be salvaged for reuse in the revetment?
 - a. No. Assume all stone for revetment will be imported.
16. How deep in the intake pipe?
 - a. Top of Water Intake Pipe is at an elevation of approximately 586 ft.

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

Posted: **April 17, 2020**

2'-0" EMBEDMENT INTO SOUND BEDROCK

2'-0"

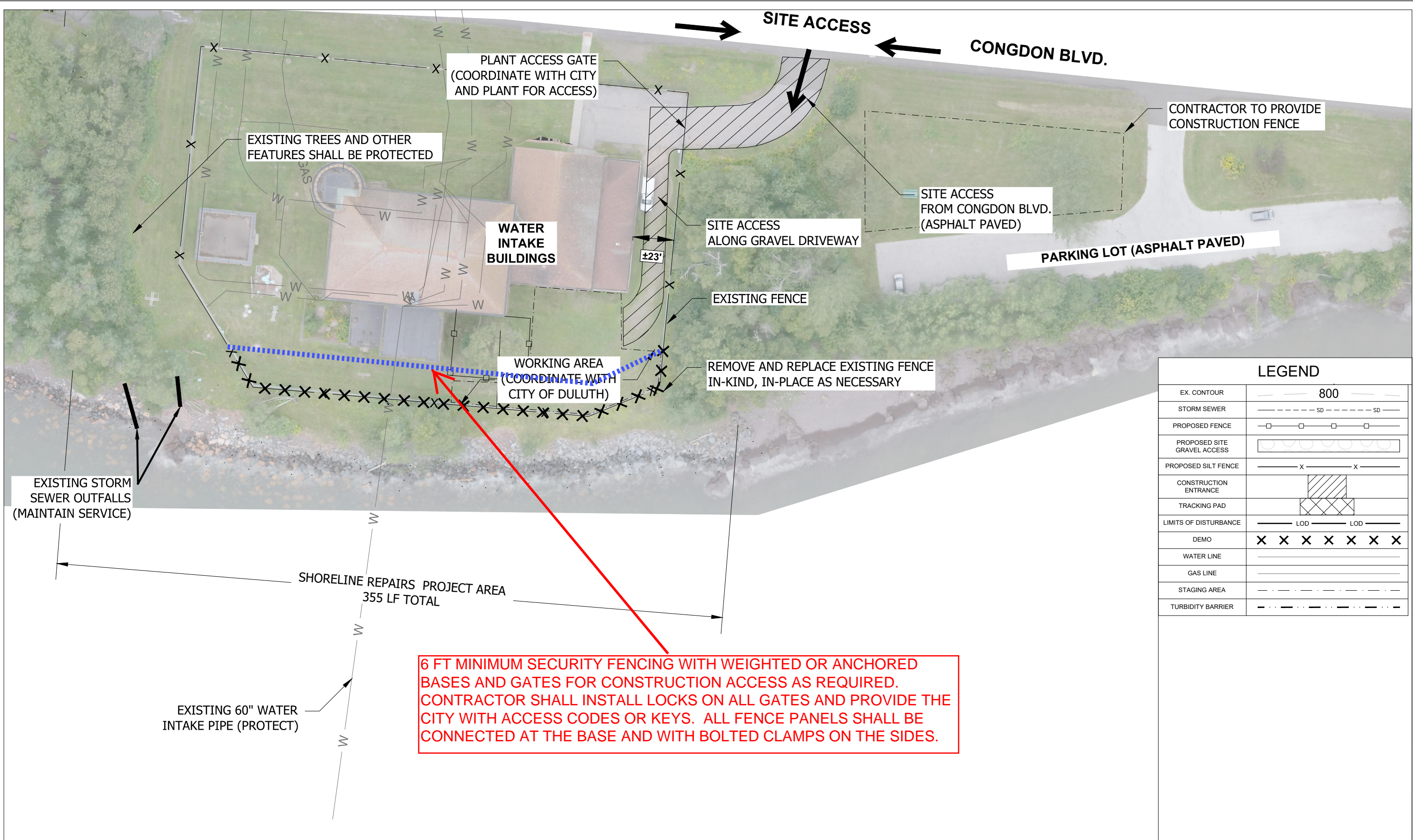
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STONE(S)

BEDROCK

#11 BAR W/ STD HOOK INSTALLED PARALLEL TO REVETMENT, EMBEDDED INTO BEDROCK @ 2'-0" OC IN 1.75" DIA HOLE W/ HIGH STRENGTH NON-SHRINK GROUT. SPACING AS REQUIRED TO FULLY STABILIZE ARMOR STONE REVETMENT TO FULLEST EXTENT POSSIBLE

#11 BAR W/ STD HOOK INSTALLED PARALLEL TO
REVETMENT, EMBEDDED INTO BEDROCK @ 2'-0" OC IN
1.75" DIA HOLE W/ HIGH STRENGTH NON-SHRINK GROUT.
SPACING AS REQUIRED TO FULLY STABILIZE ARMOR STONE
REVETMENT TO FULLEST EXTENT POSSIBLE



LEGEND	
EX. CONTOUR	800
STORM SEWER	SD SD
PROPOSED FENCE	□ □ □ □
PROPOSED SITE GRAVEL ACCESS	○ ○ ○ ○ ○ ○ ○ ○
PROPOSED SILT FENCE	x x
CONSTRUCTION ENTRANCE	▨
TRACKING PAD	▩
LIMITS OF DISTURBANCE	LOD LOD
DEMO	x x x x x x x
WATER LINE	— — — — —
GAS LINE	— — — — —
STAGING AREA	· · · · ·
TURBIDITY BARRIER	- - - - -

6 FT MINIMUM SECURITY FENCING WITH WEIGHTED OR ANCHORED BASES AND GATES FOR CONSTRUCTION ACCESS AS REQUIRED. CONTRACTOR SHALL INSTALL LOCKS ON ALL GATES AND PROVIDE THE CITY WITH ACCESS CODES OR KEYS. ALL FENCE PANELS SHALL BE CONNECTED AT THE BASE AND WITH BOLTED CLAMPS ON THE SIDES.

PROJECT CONSTRUCTION ACCESS
DULUTH SHORELINE REHABILITATION - TREATMENT PLANT

CONSTRUCTION DOCUMENT PLAN SET	
Description: CONSTRUCTION PLAN SET - PROJECT CONSTRUCTION ACCESS	
Figure Number: 02	Date: 2020-04-06

Prepared By:  **TRC**
RESOLUTION
STUDIO, LLC
AMI
Consulting Engineers P.A.

