

Agenda Item: 10.

MEMORANDUM

To: PPO Subcommittee
From: Amanda Grint, Water Resources Engineer
Date: May 30, 2017
Re: Metropolitan Utilities District Water Main Work for Zorinsky Basin 2

The final design of Zorinsky Basin 2, water quality basin for Zorinsky Lake, is underway and expected to be complete by the end of August. Throughout preliminary and final design, HDR Engineering and District staff has meet with Metropolitan Utilities District (MUD) to coordinate work on their existing 54-inch water main within the project area of Zorinsky Basin 2. Please see attached maps for ZB2 layout and proposed MUD water main work.

The 54-inch main is a transmission main between Platte West Water Treatment Plant and Skyline pump station. In order to accommodate the normal pool at the proposed ZB2 basin, a drain hydrant will need to be relocated to a higher elevation above the normal pool. Two access manholes on each side of the creek crossing will be installed for future maintenance activities.

The work will be contracted by MUD and the estimate is \$236,000. The District will need to reimburse MUD for the work because the ZB2 project affects the permanent easement conditions. If the actual cost of the work is more, the District will be responsible and if it is less, the District will receive a refund.

Management recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute an agreement with Metropolitan Utilities District for proposed water main work as part of the Zorinsky Water Quality Basin Number 2 project in an amount not to exceed \$236,000, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.



METROPOLITAN
UTILITIES DISTRICT

April 17, 2017

Amanda Grint, P.E.
Water Resources Engineer
Papio-Missouri River NRD
8901 S. 154th Street
Omaha, NE 68138

Re: Work on the 54" transmission main between Platte West WTP and Skyline pump station for Papio-Missouri River NRD, Zorinsky Basin No. 2 Sediment Basin, 209th Street north of "F" Street

Ms. Grint,

Per your request, the Metropolitan Utilities District (District) will perform the following work:

1. Relocate existing drain hydrant on the 54" transmission main from its current location at the bottom of the creek to a higher elevation above the projected wetland/silt elevation.
2. Install two access manholes on either side of the creek crossing to provide for future maintenance activities. These maintenance activities include but are not limited to: "walking" pumps down to the bottom to drain the 54" main, inspection-robotics, future repairs e.g. internal joint sealing, carbon fiber repair, swagelining or other water main repair/renewal technology that becomes available in the future.

This work is reimbursable because the 54" water main is located in a permanent MUD easement. The total estimated cost for this work is \$236,000. All work will be billed on a time and material basis. If the estimated cost for the work is not sufficient to cover the actual cost, the Papio-Missouri River NRD ("Applicant") shall pay the difference to the District. If the actual cost for the work is less than the amount paid, the difference shall be refunded to the Applicant.

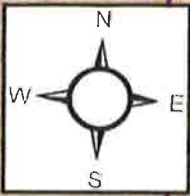
Before this work can be released for construction, a check or Purchase Order, made out to Metropolitan Utilities District, for the cost of \$236,000 must be submitted to my attention. Receipt of the check or Purchase Order indicates your agreement to the District's terms herein.

If you have any questions, please call me at (402) 504-7925

Sincerely,

Mary K. Maher, P.E.
Design Engineer – Infrastructure

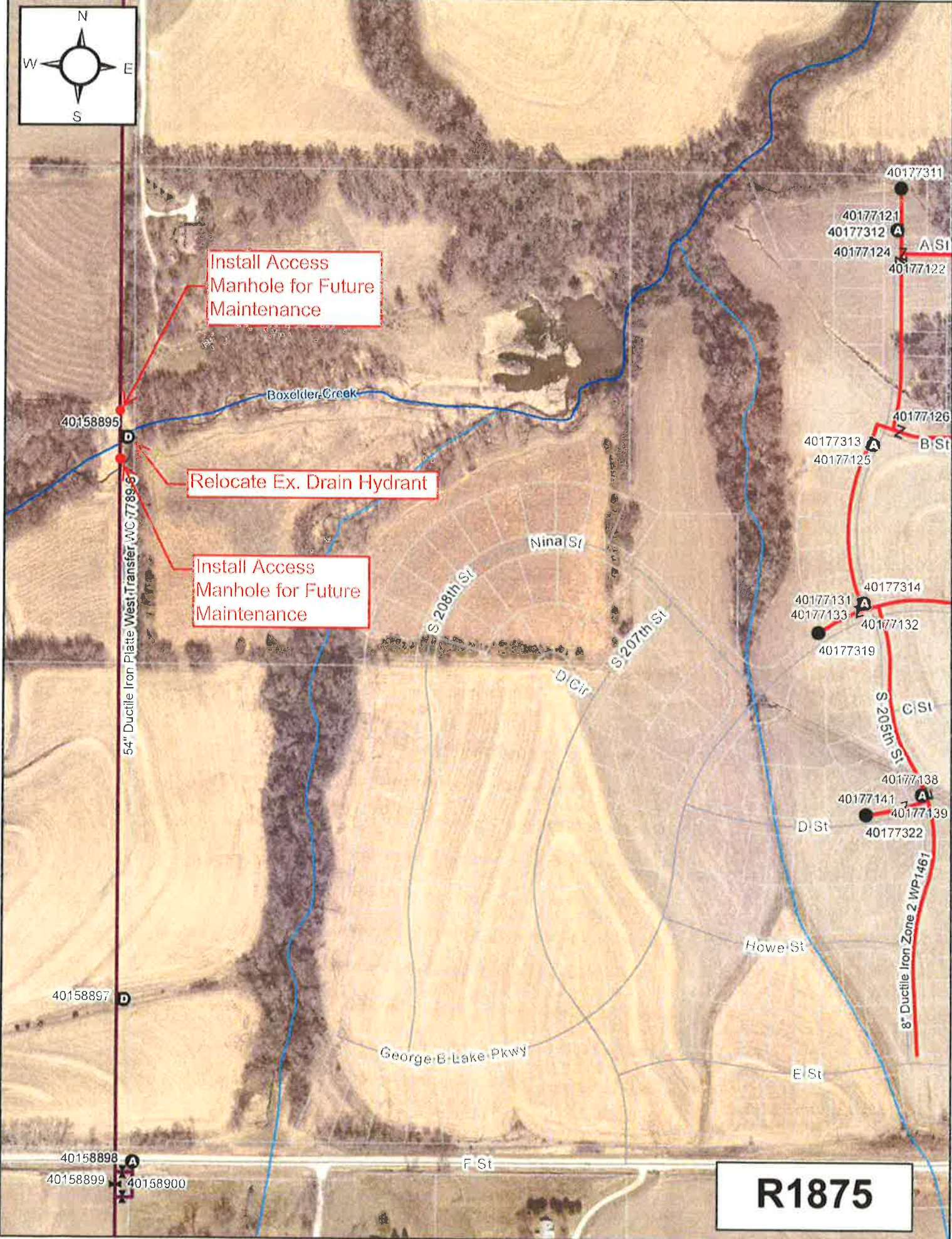
CC: Lisa Herren, M.U.D.
Lorena Zimmerman, Accountant II
Enc. Copy of Permanent Easement
Copy of Final Plans



Install Access
Manhole for Future
Maintenance

Relocate Ex. Drain Hydrant

Install Access
Manhole for Future
Maintenance



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