

ADDENDUM NO.1

Date: March 12, 2021

Subject: **Addendum No.1 to Contract Documents
City of Mercer Island
2021 Water System Improvements Project (Bid #21-02)**

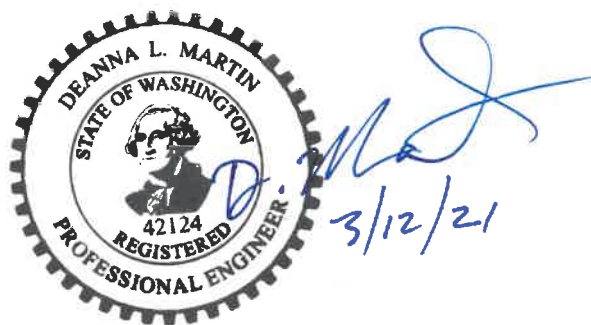
From: **Rona Lin, PE., Project Manager**

To: **ALL PLAN HOLDERS**

The following changes are hereby made part of the Contract Documents for the construction of the subject project as fully and completely as if they were fully set forth therein:

- 1) Revised Project Specifications: replace Technical Specification page TS-20 with the attached replacement page.
- 2) Revised WA-04: replace plan sheet WA-04 with the attached replacement sheet.

All Bidders must enter the number "1", on the underlined blank line after "Addendum Number" and fill in the Date on the same line on Page A-5 of bid form under Bidding Requirements section to acknowledge the Bidder's receipt of Bid Addendum No. 1.



leaks under test, the valve shall be disconnected and reconnected, and the valve and the pipeline re-tested. If valve leaks under test, valve shall be replaced and the new valve and the pipeline re-tested.

Backfill for valves and valve boxes shall be the same as specified for the adjacent pipe. Place backfill around the valve boxes and thoroughly compact to a density equal to that specified for the adjacent trench and in such manner, that will not damage or displace the valve box from proper alignment or grade.

Misaligned valve boxes shall be excavated, plumbed, backfilled and the valve and adjacent pipeline re-tested at the Contractor's expense. A minimum eight (8) inch overlap between the upper and lower valve boxes will be required to ensure the valve box height can be adjusted during future overlays.

When abandoning existing gate valves on a tee, the Contractor is to remove the valve and install a blind flange; if the tee is in poor quality the city may require the contractor to completely cut out the existing valve and replace with spool and sleeves. If the valve is on a section of water main that is being abandoned, the contractor shall close the existing valve and remove the valve box and lid to one (1) foot below grade. Replace the lid and add PVC marker that reads "Abandoned Gate Valve." Valves from the abandoned water mains shall be removed and return to City storage yard as salvage.

7-14 HYDRANTS

7-14.1 Description

(Special Provision)

Supplement

This work shall also consist of removing existing hydrants and installing new hydrants per the City of Mercer Island Standard Detail W-24.

7-14.2 Materials

(Special Provision)

Supplement

Pipe and Fittings

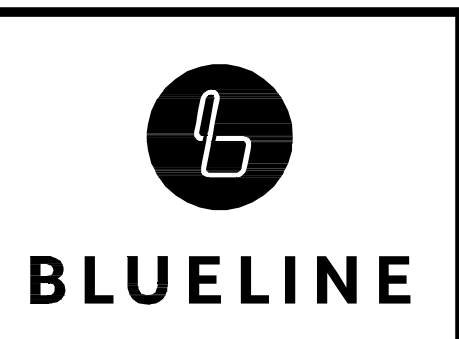
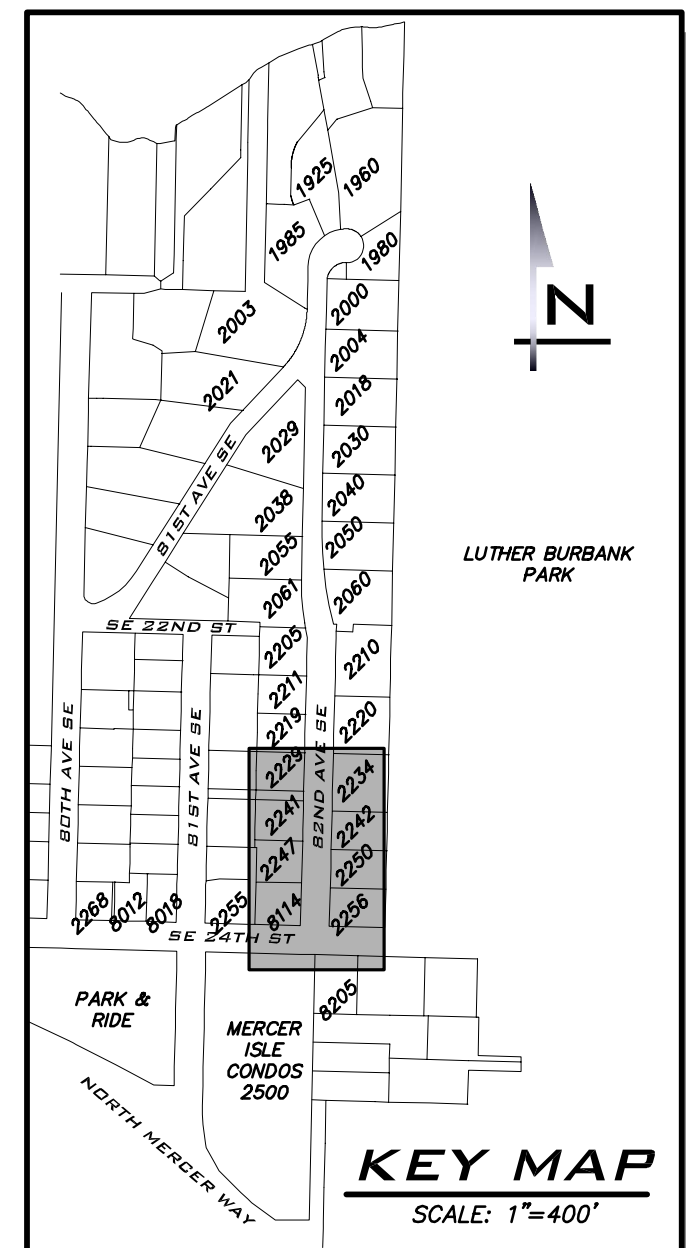
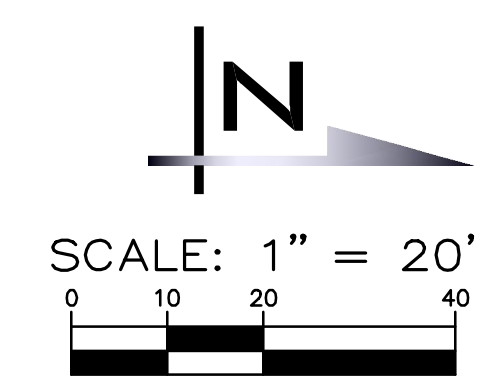
Unless otherwise indicated, all pipe and fittings shall be ductile iron in conformance with Sections 9-30.1(1) and 9-30.2(1) of the Standard Specifications, except that the thickness for other than restrained mechanical joint pipe shall be Standard Thickness Class 52. Pipe and fittings shall be double-thickness cement-mortar lined and seal coated with bituminous material conforming to ANSI A21.4 or AWWA C 104 and shall have exterior bituminous coating conforming to ANSI A21.4 or AWWA C 104. US Pipe Ductile Iron Tyton Pipe or approved equal will be accepted.

Pipe joints shall be push-on joints unless otherwise shown or required. The pipe manufacturer shall supply a sufficient quantity of a non-toxic vegetable soap lubricant for installing the pipe.

Mechanical joints shall conform to ANSI A21.11 or AWWA C111. Bolts for mechanical joints shall be Dresserloy or Cor-Ten high strength, low-alloy steel conforming to ASTM A242 and A558. Sigma Mechanical Joint Bolts or approved equal will be accepted.

In situations where a hydrant gate valve is to be installed on a sloped roadway, a MJxMJ adapter, Infact Foster Adapter, shall be used to keep gate valve plum with the tee.

Flanged joints shall conform to ANSI A21.10 or AWWA C110, or ANSI A21.12 or AWWA C115. Flanges shall be ductile iron. Gaskets for flanged joints shall be 1/8-inch thick, cloth-inserted rubber, conforming to applicable parts of ANSI B16.21 and AWWA C207. Gasket material shall be free from corrosive alkali or acid ingredients and suitable for use in potable water lines. Gaskets shall be one-piece, full-face with holes to pass bolts.



25 CENTRAL WAY, SUITE 400,
KIRKLAND, WA 98033
P: 425.216.4051 F: 425.216.4052
WWW.THEBLUENELINEGROUP.COM

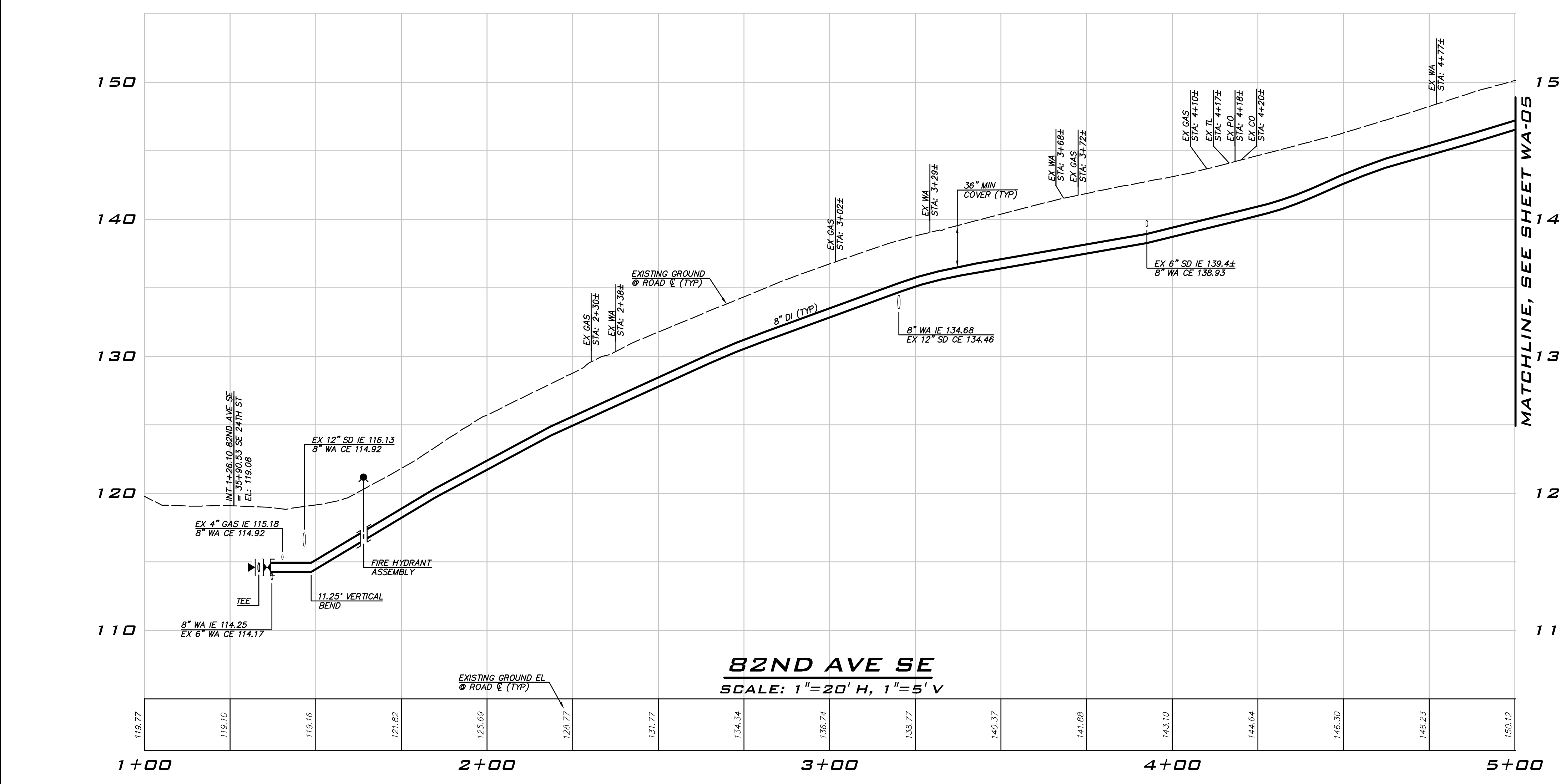
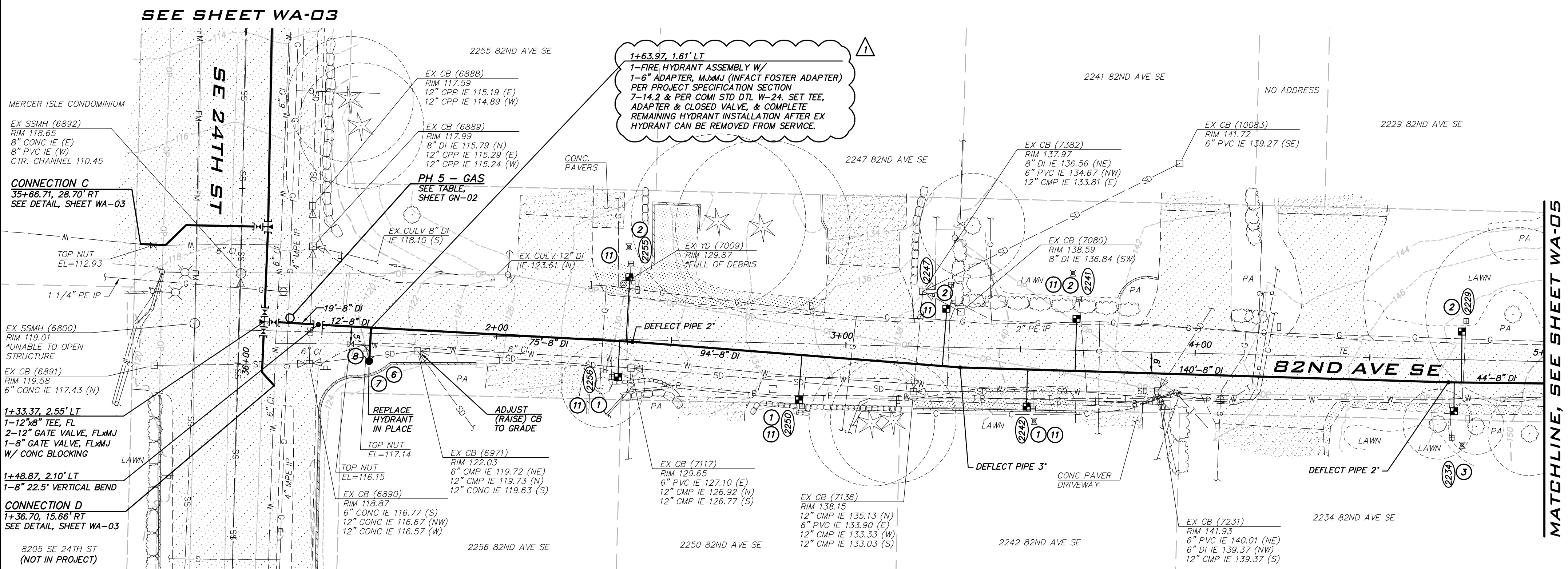
SCALE:
AS NOTED

PROJECT MANAGER:
DEANNA L. MARTIN, PE

PROJECT ENGINEER:
GRACE GARWIN, EIT

DESIGNER:
CAROL DOGGETT

ISSUE DATE:
3/10/2021



- CONSTRUCTION NOTES**
- ALL MECHANICAL JOINT FITTINGS SHALL BE RESTRAINED WITH MEGALUGS. FIELD LOK GASKETS SHALL ONLY BE INSTALLED AT PIPE JOINTS IN FIRE HYDRANT LEADS LONGER THAN ONE PIPE SEGMENT OR WHERE SPECIFICALLY CALLED OUT IN PROFILE.
 - MAINTAIN 18" SEPARATION BETWEEN WATER MAIN AND OTHER UTILITIES. INSTALL ETHAFOAM 220 PAD TO PREVENT UTILITIES FROM BEARING ON WATER MAIN WHERE SEPARATION IS LESS THAN 6".
 - COORDINATE VALVE SHUTOFFS WITH CITY FOR ALL WATER MAIN CONNECTIONS. CITY STAFF SHALL OPERATE ALL WATER SYSTEM VALVES. CONTRACTOR NOT ALLOWED TO OPERATE VALVES.
 - LOCATION AND DEPTHS OF EXISTING UTILITIES ARE APPROXIMATE AND BASED ON THE BEST AVAILABLE DATA AT THE TIME OF DESIGN. CONTRACTORS SHALL POTHOLE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION TO VERIFY DEPTHS AND HORIZONTAL ALIGNMENT AT CROSSINGS AND CONNECTIONS.

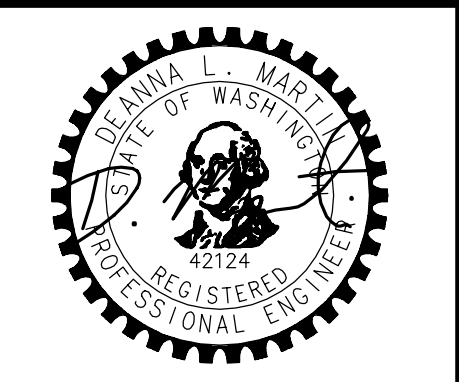
- NOTES**
- INSTALL 1" SHORT SIDE WATER SERVICE PER STD DETAIL W-13 AND AS DESCRIBED IN PROJECT SPECIFICATIONS. (SEE NOTES 9 & 10 BELOW)
 - INSTALL 1" LONG SIDE WATER SERVICE PER STD DETAIL W-13 AND AS DESCRIBED IN PROJECT SPECIFICATIONS. (SEE NOTES 9 & 10 BELOW)
 - INSTALL 2" SHORT SIDE WATER SERVICE FOR 1-1/2" METER PER STD DETAIL W-14 AND AS DESCRIBED IN PROJECT SPECIFICATIONS. (SEE NOTES 9 & 10 BELOW)
 - INSTALL 2" LONG SIDE WATER SERVICE FOR 1-1/2" METER PER STD DETAIL W-14 AND AS DESCRIBED IN PROJECT SPECIFICATIONS. (SEE NOTES 9 & 10 BELOW)
 - CONTRACTOR TO POTHOLE TO LOCATE CUSTOMER SIDE SERVICE ON CORRESPONDING PROPERTY. HOLE HOG FROM BACK OF METER TO CONNECT TO EXISTING CUSTOMER SIDE SERVICE WITHIN SERVED PROPERTY.
 - CONTRACTOR TO POTHOLE EXISTING UTILITIES IN ADVANCE TO SET HYDRANTS WITHOUT USING VERTICAL BENDS.
 - REMOVE EXISTING FIRE HYDRANT. CAP OR PLUG AT THE END OF EXISTING PIPE AS DIRECTED BY THE CITY.
 - EXISTING GATE VALVE ON MAIN TO BE ABANDONED. CONTRACTOR TO CLOSE EXISTING VALVE, REMOVE VALVE BOX AND LID TO 1' BELOW GRADE. REPLACE LID AND ADD PVC MARKER THAT READS: "ABANDONED GATE VALVE."
 - METER, METER BOX, AND ADDITIONAL INFORMATION ARE PROVIDED ON SHEET GN-03.
 - EXACT LOCATION TO BE FIELD VERIFIED BY THE ENGINEER.
 - REPLACE EXISTING CONCRETE METER BOX WITH TRAFFIC RATED METER BOX. CITY TO PROVIDE NEW METER BOX.
 - REMOVE EXISTING FIRE HYDRANT, VALVE AND VALVE CAN. CAP THE TEE AT THE MAIN AS DIRECTED BY THE CITY. ALL REMOVED ITEMS SHALL BE RETURNED TO THE CITY OF MERCER ISLAND.

EXISTING UTILITY NOTE

EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

NO	DATE	BY	REVISIONS
1	3/10/21	GD	ADDITIONAL 1

WATER PLAN - 82ND AVE SE
 2021 WATER SYSTEM
 IMPROVEMENTS PROJECT
 CITY OF MERCER ISLAND WASHINGTON



2/23/21
 JOB NUMBER:
20-286
 SHEET NAME:
WA-04
 SHT 13 OF 26