

ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

- 466 FT. - 8" WATER MAIN
- 6 FT. - 6" HYDRANT BRANCH
- 9 FT. - 3" BRANCH PIPE

INSTALL

- 1 - HYDRANT

REMOVE

- 1 - HYDRANT/MINOR
- 2 - TREE (SEE NOTE)

SERVICES

- 2 - CONNECT ORIGINAL SERVICE (C.O.S. - SHORT)

PERMANENT PAVEMENT

- 30 SQ. YDS. - 9" CONCRETE

FURNISH AND INSTALL DOWEL BARS

- 65 BARS

CURB AND GUTTER

- 40 LIN. FT. - CONCRETE

WALK

- 2100 SQ. FT. - CONCRETE

AGGREGATE SLURRY BACKFILL

- 25 CU. YDS.

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

- 125 LIN. FT. - IN CONCRETE (FULL DEPTH)

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL AND MAINTAIN EROSION CONTROL

LUMP SUM

FOLLOWING IS A LIST OF THE FITTINGS SHOWN ON THIS CONSTRUCTION PLAN THAT WILL BE PROVIDED BY THE CITY.

- 1 - AT 8x6
- 1 - T 8x3
- 2 - B3-90
- 1 - V8
- 1 - V6
- 1 - V3
- 3 - VB-DD
- 1 - VALVE BOX 18" EXT.
- 1 - SLB
- 1 - SL3
- 1 - H(7.0)

- 1 - 1" CORPORATION STOP
- 2 - CORPORATION STOP
- 1 - 8" x 2" SERVICE SADDLE

FOLLOWING IS A LIST OF THE FITTINGS SHOWN ON THIS CONSTRUCTION PLAN THAT WILL BE PROVIDED BY THE CONTRACTOR.

- 2 - 3" FOSTER ADAPTOR

PAVEMENT TYPE

EXISTING PAVEMENT IN W. BELOIT RD. IS 9" CONCRETE (1976).

ABANDONMENT OF WATER MAINS, VALVES AND HYDRANTS

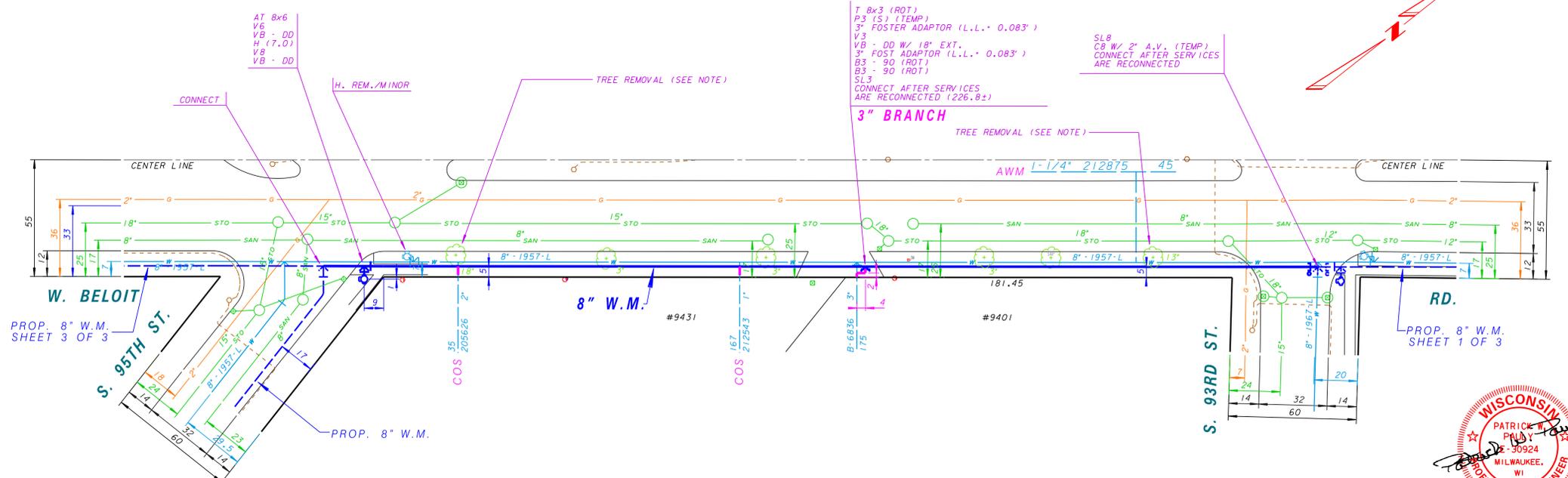
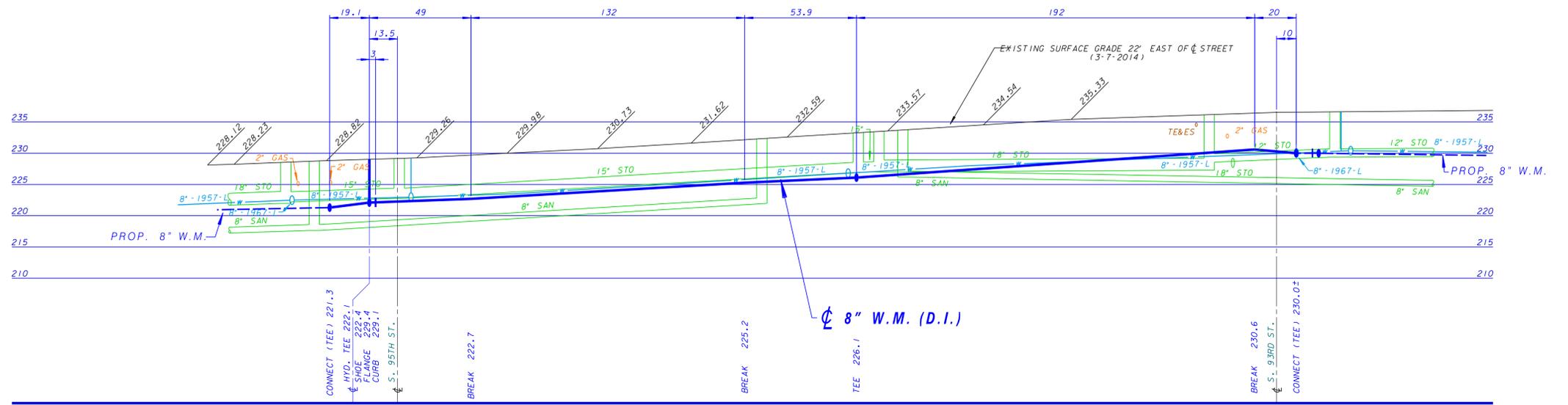
- 466 FT. - 8"-1957-L WATER MAIN
- 2 - 8" VALVE
- 1 - HYDRANT

BENCHMARKS

- HYD. - S.E. CORNER OF S. 96TH ST. & W. BELOIT RD. ELEV. 222.10
- R/R SPIKE IN WOOD POLE @ HOUSE # 9519 ELEV. 226.38
- HYD. - S.E. CORNER OF S. 95TH ST. & W. BELOIT RD. ELEV. 231.28
- HYD. - N/S OF W. BELOIT RD. @ ST. MATHIAS CHURCH ELEV. 234.64
- HYD. - S.E. CORNER OF S. 93RD ST. & W. BELOIT RD. OPERATING NUT ELEV. 239.24
- HYD. - S.E. CORNER OF S. 92ND ST. & W. BELOIT RD. ELEV. 233.46

PLAN LINE & UTILITY LEGEND

GAS	G	SANITARY SEWER	SAN	STREET LIGHTING	---
ELECTRIC	E	STORM SEWER	STO	CITY UNDERGROUND CONDUIT	---
TELEPHONE	T	COMBINED SEWER	CS	PROPOSED CURB / PVM	CUC
CABLE TELEVISION	TV	WATER MAIN	W	PAVING LIMITS	X X X X
FIBER OPTICS	FO	WATER SERVICE	WS	STRUCTURE / BUILDING	///
PROPOSED UTILITY	---	PRESSURE DISTRICT	PD	FENCE	x
POWER POLES	○	CONCRETE	○	ALUMINUM	○
	○	WOOD	○	WATER MAIN VALVES	+
	+	GATE	+	BUTTERFLY	○
	○	WATER SERVICE	○		
UTILITIES	⊠	TRAFFIC SIGNAL	⊠	TRAFFIC CONTROL BOX	⊠
	⊠	GAS VALVE	⊠	HYDRANTS	⊠
	⊠	1 NOZZLE	⊠	3 NOZZLE	⊠



FOSTER ADAPTOR NOTE

WHERE NOTED ON THE PLANS, MECHANICAL JOINT VALVES AND FITTINGS SHALL BE CONNECTED USING A BOLT-THROUGH POSITIVE RESTRAINT MECHANISM MANUFACTURED OF USA DUCTILE IRON CONFORMING TO ASTM A536, 65-45-12. THE POSITIVE RESTRAINT DEVICE SHALL CONNECT THE VALVES AND/OR FITTINGS AT A LINEAR DISTANCE NOT TO EXCEED THREE (3) INCHES AND WITHOUT ATTACHMENT TO PIPE. THE DEVICE SHALL COME COMPLETE WITH ALL ACCESSORIES. THE BOLT-THROUGH POSITIVE RESTRAINING DEVICE AND THE DUCTILE IRON SPACERS SHALL BE SUPPLIED WITH AN NSF61 ASPHALTIC COATING IN ACCORDANCE WITH ANSI/AWWA C104/A21.4. THE BOLTS AND NUTS SHALL BE ASTM A193 TYPE 304 OR 316 STAINLESS STEEL, AND SHALL BE ORDERED WITH LONG-BOLT ACCESSORY PAKS FOR USE WITH AWWA C110 FULL-BODY FITTINGS. THE DEVICE SHALL BE USED WITH STANDARD MECHANICAL JOINT FITTINGS (AWWA C110) AND VALVES. THE DEVICE SHALL BE INFACIT CORPORATION FOSTER ADAPTOR OR EQUAL.

ANY FOSTER ADAPTORS PROVIDED PER PLAN AND NOT USED ARE TO BE PROPERTY OF MILWAUKEE WATER WORKS.

FOR START OF PLAN NOTES SEE W. BELOIT RD., SHEET 1 OF 1, PLAN FILE NO. 2016001.



Milwaukee Water Works
Department of Public Works

Water Engineering

WATER MAIN

W. BELOIT RD. (S/S)

S. 92ND STREET

S. 96TH STREET

APPROVED: *Patrick P. Kelly* DATE: 1-8-16
DESIGN ENGINEER

CHIEF DESIGN ENGINEER: *Mark J. Kelly*

DATE: 1-8-16

SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS

PROGRAM NO. 2016-712 CONTRACT NO. C.C. FILE NO. 151289
PROJECT NO. WT410110661 OFFICIAL NOTICE NO. 15-1-2016 DATE ADOPED 1-19-16

SHEET NO. 2 OF 3 PLAN FILE NO. 2016003

CALL DIGGERS HOTLINE
1-800-242-8511

TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE (82.0715) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

NO.	BY	REVISION	DATE