

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MILWAUKEE WATER MAIN INSTALLATION SPECIFICATIONS, DATED JANUARY 2, 1987. ADDITIONALLY, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MILWAUKEE WATER WORKS STANDARD PLAN NOTES REGARDING WATER MAIN CONSTRUCTION, WHICH IS ATTACHED AND MADE PART OF THESE WATER MAIN PLANS AND CONTRACT DOCUMENTS.

THE DEPARTMENT OF PUBLIC WORKS GENERAL SPECIFICATIONS, DATED JANUARY 31, 1992, LATEST REVISION, APPLIES TO THIS CONTRACT AND WILL SUPERSEDE ANY PART OF THE SPECIFICATIONS WHICH DIFFERS THEREFROM.

THE MILWAUKEE WATER WORKS WILL FURNISH WATER MAIN MATERIALS AS INDICATED IN SPECIFICATION SECTION 4.3.1. THE CONTRACTOR SHALL FURNISH TEMPORARY TEST CAPS AND FLOWS. THE CONTRACTOR SHALL FURNISH ALL OTHER ITEMS REQUIRED TO COMPLETE THIS PROJECT.

VALVE BOX BASE ADAPTERS

ALL VALVE BOXES SHALL BE INSTALLED ON GATE VALVES WITH THE USE OF THE VALVE BOX BASE ADAPTERS, "ADAPTOR 11" AS MANUFACTURED BY ADAPTOR INC. OR AN APPROVED EQUAL. THE ADAPTER SHALL BE INSTALLED IN ADDITION TO THE HARDWOOD BLOCKING. COST OF THE ADAPTER SHALL BE INCLUDED IN THE UNIT BID PRICE TO FURNISH AND INSTALL WATER MAIN.

BACKFILL AND BEDDING MATERIAL

THE REQUIREMENTS FOR BACKFILL AND BEDDING MATERIAL SHALL BE AS STATED IN THE MILWAUKEE WATER WORKS STANDARD PLAN NOTES REGARDING WATER MAIN CONSTRUCTION.

HYDRANTS

THE CONTRACTOR SHALL RETURN ALL ABANDONED HYDRANTS TO THE DPW FIELD HEADQUARTERS - INFRASTRUCTURE, OPERATIONS, WATER WORKS, CONTACT MR. BEN GLATZEL AT 414-708-2839 FOR ADDITIONAL INFORMATION.

HYDRANT PERMITS

A \$65.00 HYDRANT PERMIT/USE FEE WILL BE PART OF THE HYDRANT USE PERMIT. THIS FEE IS PER HYDRANT PER WEEK.

IT IS THE INTENTION OF THE CITY OF MILWAUKEE TO METER AND RECORD ALL WATER USE ON THIS CONTRACT. THE CONTRACTOR MUST OBTAIN A HYDRANT PERMIT FOR THIS CONTRACT WHICH INCLUDES THE REQUIREMENT OF A METER TO MEASURE WATER USAGE. THIS PERMIT CAN BE OBTAINED FROM THE CITY'S DEVELOPMENT CENTER LOCATED AT 809 N. BROADWAY.

IF IT IS FOUND THAT THE CONTRACTOR IS NOT FOLLOWING THE STANDARD HYDRANT PERMIT USE RULES, THE CITY OF MILWAUKEE WILL TAKE NORMAL ENFORCEMENT ACTION.

MILWAUKEE WATER WORKS ONLY PROJECTS ISSUED THROUGH DPW

THE PERMIT REQUIRES THE CONTRACTOR TO PLACE A REFUNDABLE \$675.00 DEPOSIT FOR EACH METER TO BE USED. THE CONTRACTOR WILL NOT BE REQUIRED TO PAY \$325.00 FOR THE SETUP OF THE METER. THE \$65.00 HYDRANT PERMIT/USE FEE WILL BE WAIVED BY THE UTILITY. THE CONTRACTOR WILL NOT BE CHARGED FOR THE VOLUME OF WATER USED.

QUESTIONS, ARRANGING INSTALLATIONS, AND READINGS

MWW METER SERVICES DISPATCHER, 414-286-2865  
MWW METER SERVICES, 414-286-8010

CHLORINATION

UPON SUCCESSFUL REPAIR, CITY OF MILWAUKEE TO FILL AND CHLORINATE REPAIRED WATER MAIN.

DEWATERING

CONTRACTOR RESPONSIBLE FOR DEWATERING SHAFT, TUNNEL AND REMAINING WATER IN 16" WATER MAIN AS REQUIRED TO REPAIR 16" WATER MAIN.

ESTIMATE OF QUANTITIES

FOR BIDDING

INSTALL

2 - 16" CUT-IN VALVES (SEE NOTE)

CONSTRUCT

1 - MANHOLE (COMPLETE) (SEE NOTE)

REPAIR

1 - 16" WATER MAIN JOINT LEAK (SEE NOTE)

PERMANENT PAVEMENT

50 SQ. YDS. - 4" ASPHALTIC CONCRETE (TEMP)

BARRICADES AND TRAFFIC CONTROL

LUMP SUM (SEE NOTE)

SAWCUTTING

20 LIN. FT. - IN CONCRETE (FULL DEPTH)  
100 LIN. FT. - IN ASPHALT ON CONCRETE BASE (FULL DEPTH)

FINISHING OF ROADWAY

LUMP SUM

SLURRY BACKFILL

20 - CU. YDS.

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

PAVEMENT TYPE

W. BECHER ST. AND BECHER ST BRIDGE ARE ON THE 2015 PAVING PROGRAM. ANTICIPATED START DATE IS MAY 4, 2015.

EXISTING PAVEMENT IN W. BECHER ST. FROM S. 2ND ST. (WEST TO THE K.K. RIVER BRIDGE) IS 3" ASPHALTIC CONCRETE ON 7" REINFORCED CONCRETE.

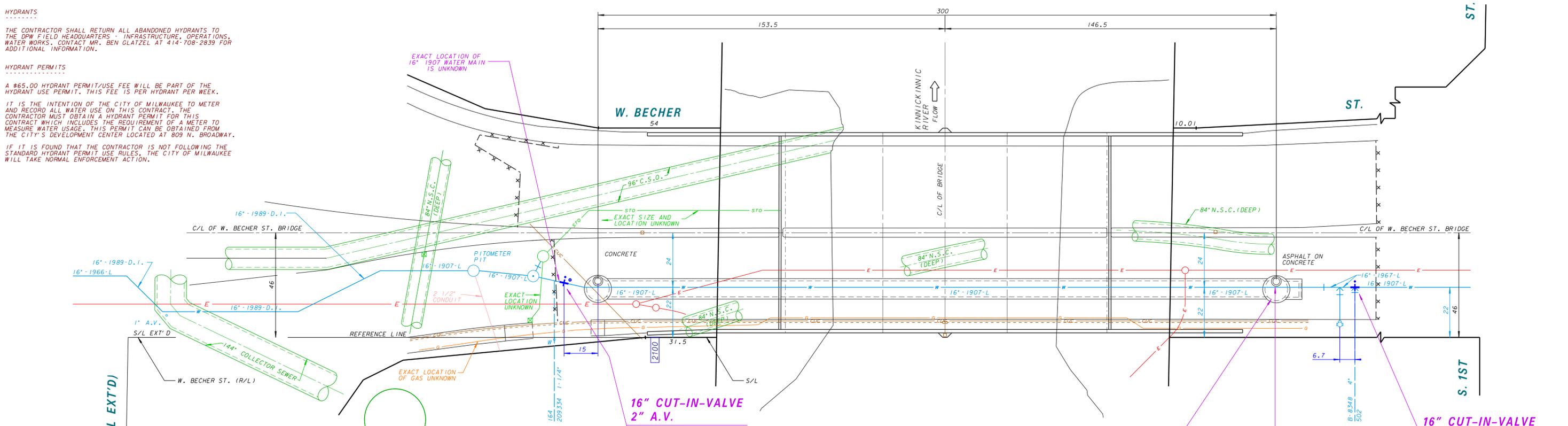
EXISTING PAVEMENT IN W. BECHER ST., WEST OF THE K.K. RIVER BRIDGE TO S. 4TH ST. IS 9" REINFORCED CONCRETE.

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANTS

8 FT. - 16" - 1907-L WATER MAIN

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

- 2 - BVF 16
- 2 - VB-DD
- 1 - SL16
- 3 - SL16 (D.P.)
- 1 - 2" A.V.



**PLAN LINE & UTILITY LEGEND**

GAS	○	SANITARY SEWER	— SAN	STREET LIGHTING	—
ELECTRIC	— E	STORM SEWER	— STO	CITY UNDERGROUND CONDUIT	— CUC
TELEPHONE	— T	COMBINED SEWER	— CMB	PROPOSED CURB / PAVT	—
CABLE TELEVISION	— TV	WATER MAIN	— W	PAVING LIMITS	— X X X X
FIBER OPTICS	— FO	WATER SERVICE	— WS	STRUCTURE / BUILDING	—
PROPOSED UTILITY	—	PRESSURE DISTRICT	—	FENCE	— X

**POWER POLES** ○ CONCRETE ○ ALUMINUM ○ WOOD WATER MAIN VALVES + GATE + BUTTERFLY ○ SERVICE

**UTILITIES** □ TRAFFIC SIGNAL □ TRAFFIC CONTROL BOX ○ GAS VALVE HYDRANTS ○ 1 NOZZLE ○ 3 NOZZLE

**16" CUT-IN-VALVE 2" A.V.**

SL16 (3.4) (SURFACE = 10.7)  
BVF 16" (OP. N.) (3.4)  
VB-DD  
SL16 (DP)  
2" A.V. (PER DWG. 29)

**ORDER OF CONSTRUCTION**

- REMOVE EAST MANHOLE AND TOP SLAB (IF REQUIRED)
- REPAIR LEAD JOINT FAILURE
- INSTALL NEW LATERAL SUPPORTS
- CITY OF MILWAUKEE TO FILL WATER MAIN AND TEST FOR LEAKAGE (2 DAYS)
- UPON SUCCESSFUL REPAIR WATER MAIN TO BE CHLORINATED BY CITY OF MILWAUKEE (3 DAYS)
- IF SHAFT TOP SLAB WAS REMOVED CONTRACTOR TO FURNISH AND INSTALL A 12 FT DIAMETER PRECAST SHAFT TOP SLAB WITH STANDARD MANHOLE OPENING. DRAWINGS TO BE SUBMITTED BY THE CONTRACTOR.
- REBUILD MANHOLE

**TRAFFIC PROVISIONS**

TRAFFIC CONTROL TO BE INSTALLED AND MAINTAINED PER PLANS INCLUDED IN THE CONTRACT DOCUMENTS.

MAINTAIN ONE (1) 11'-0" MINIMUM TRAFFIC LANE, FOR EAST BOUND DIRECTION, ON THE PROPER SIDE OF THE ROAD.

NO PARKING ANY TIME SOUTH SIDE, 7AM TO 5PM EXCEPT SATURDAY AND SUNDAY

PAVEMENT MARKINGS MUST BE RETURNED TO ORIGINAL MATERIAL AND CONDITION.

PROVIDE SEVEN (7) DAYS ADVANCED NOTICE TO TRAFFIC ENGINEERING AT 286-3632 FOR THE INSTALLATION OF TEMPORARY "NO PARKING" SIGNS OR IF THERE ARE ANY QUESTIONS CONCERNING THESE COMMENTS.

ANY PERSON WORKING IN THE PUBLIC WAY SHALL COMPLY WITH THE CITY OF MILWAUKEE, DEPARTMENT OF PUBLIC WORKS BOOKLET, "TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK" AND PART VI OF THE STATE OF WISCONSIN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

**REPAIR WATER MAIN**

SHALL INCLUDE ALL COSTS TO REPAIR VERTICAL LEAD JOINT WATER MAIN, INCLUDING BUT NOT LIMITED TO:

DEWATERING, OSHA CONFINED SPACE ENTRY REQUIREMENTS AND VENTILATION, REMOVING EXISTING TIMBER SUPPORTS, CAULKING OF EXISTING LEAD, FURNISHING AND INSTALLING BELL JOINT REPAIR CLAMP, FURNISHING AND INSTALLING NEW SUPPORTS.

**16" JOINT REPAIR**

REMOVE TOP SLAB OF SHAFT IF NECESSARY

REMOVE EXISTING LATERAL SUPPORTS

REPAIR VERTICAL LEAD JOINT  
INSTALL BELL JOINT REPAIR CLAMP JCM 143 OR APPROVED EQUAL

16" - 1907-L O.D. - 17.80

INSTALL NEW LATERAL SUPPORTS

REPLACE TOP SLAB OF SHAFT  
REBUILD MANHOLE

SEE ORDER OF CONSTRUCTION NOTE

**SCHEDULE**

TIME FOR COMPLETION: ALL WORK INCLUDING PAVEMENT RESTORATION SHALL BE COMPLETED PRIOR TO MAY 4, 2015.

PLAN NOTES CONTINUED ON W. BECHER ST. SHEET 2 OF 2, PLAN FILE NO. 2015011.

PRE-BID MEETING

A MANDATORY PRE-BID MEETING WILL BE HELD ON, FEBRUARY 13, 2015 AT 10:00 AM IN THE MWW CONFERENCE ROOM 412 OF THE ZEIDLER MUNICIPAL BUILDING.

**16" CUT-IN-VALVE**

SL16 (3.4±) (SURFACE = 10.7±)  
BVF 16" (OP. N.) (3.4)  
VB-DD  
SL16 (DP)

SEE SHAFT DETAILS, SHEET 2 OF 2

**Milwaukee Water Works**  
Department of Public Works

**Water Engineering**

**WATER MAIN**

**W. BECHER ST.**  
S. 1ST ST.  
S. 4TH ST.

APPROVED: *Patrick W. Pauly* DATE: 1-26-15  
DATE: 1-26-15  
DATE: 1-26-15  
DATE: 1-21-15

SCALE: 1" = 20'

IN FROM TO

14 SEC. NO. 467  
PLAN DATE 9-29-14  
DRAWN BY J.F.S.  
CHECKED BY K.S.R.  
SURVEY BY CONST. SECTION

PROGRAM NO. 2014-703 CONTRACT NO. C.C. FILE NO. 141400  
PROJECT NO. WT410140703 OFFICIAL NOTICE NO. 34-1-2015 DATE ADDED 1-21-15

SHEET NO. 1 OF 2 PLAN FILE NO. 2015010



CALL DIGGERS HOTLINE 1-800-242-8511  
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

NO.	BY	REVISION	DATE