ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

190 FT. - 8" WATER MAIN

SERVICES

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

PERMANENT PAVEMENT

135 SQ. YDS. - 4" ASPHALTIC CONCRETE

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

400 LIN. FT. - IN ASPHALT

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

140 CU. YDS. EXCESS EXCAVATED MATERIAL

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

2 - B8-45
1 - C6
1 - SL8

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

PAVEMENT TYPE

EXISTING PAVEMENT IN W FERNWOOD CIR. IS
3" (1998) ASPHALT CONCRETE AND
2.5"(1961) ASPHALT CONCRETE

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

5' - 8"-1998-D.I. WATER MAIN
1' - 6"-1998-D.I. WATER MAIN
184' - 6"-1957-L WATER MAIN

BENCHMARKS

S.E. CORNER OF DOOR SILL @ 7318 W. FERNWOOD CIR.
ELEVATION 158.428

S.E. CORNER OF DOOR SILL @ 7336 W. FERNWOOD CIR.
ELEVATION 158.965

S.E. CORNER OF DOOR SILL @ 7414 W. FERNWOOD CIR.
ELEVATION 161.726

GENERAL NOTES (CONTINUED)

BACKFILL AND BEDDING MATERIAL

THE REQUIREMENTS FOR BACKFILL AND BEDDING MATERIAL SHALL BE AS STATED IN THE "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.

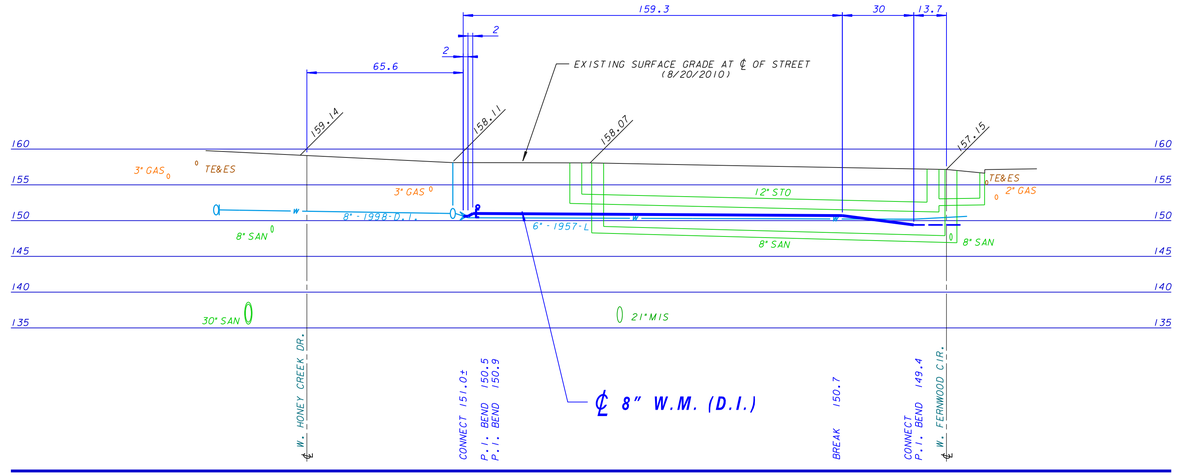
QUESTIONS, ARRANGING INSTALLATIONS, AND READINGS

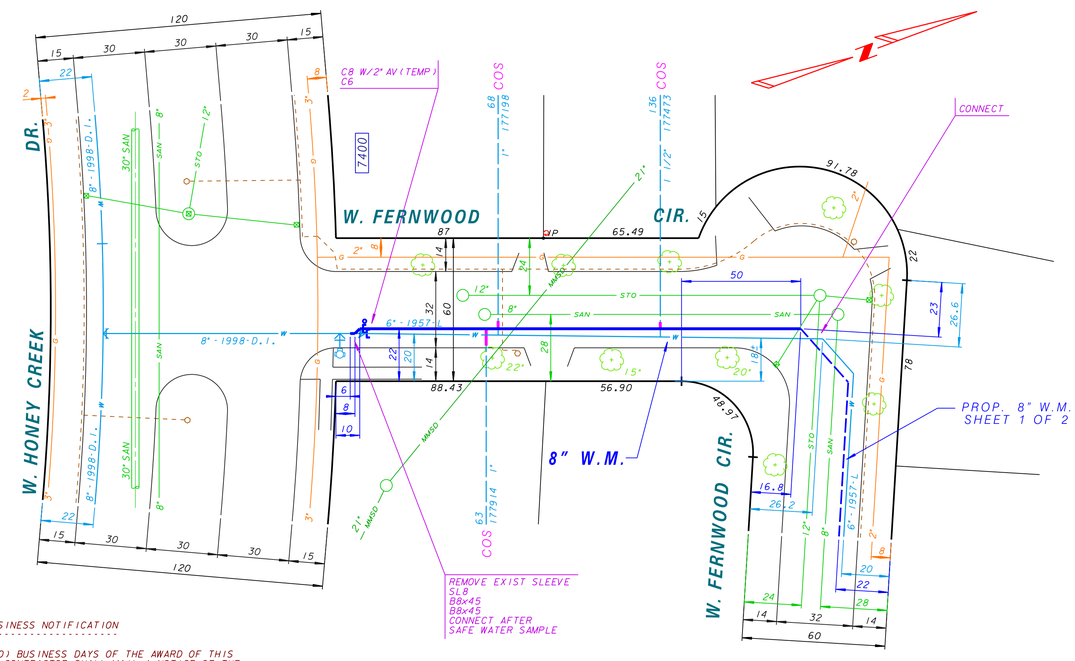
MWW METER SERVICES DISPATCHER, 414-286-2865
MWW METER SERVICES, 414-286-8010

JOINT RESTRAINT OPTION

DUCTILE IRON PIPE AND FITTINGS (EXCEPT HYDRANT BRANCHES) MAY BE RESTRAINED USING FIELDLOK OR MJ FIELDLOK RESTRAINT. BUTTRESSING MAY BE REQUIRED IN ADDITION TO THE FIELD LOK RESTRAINT.

CONTRACTOR SHALL NOTIFY MWW 414-286-8167 IF FIELD LOK RESTRAINT WILL BE USED PRIOR TO THE REQUIRED EROSION CONTROL SUBMITTAL. ADDITIONAL REQUIREMENTS FOR USE OF FIELD LOK RESTRAINT IS DETAILED IN THE STANDARD PLAN NOTES INCLUDED IN BID DOCUMENTS.





RESIDENT / BUSINESS NOTIFICATION

WITHIN TEN (10) BUSINESS DAYS OF THE AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL MAIL A NOTICE OF THE PROJECT TO THE CITY OF MILWAUKEE CONSTRUCTION SECTION AT 841 N. BROADWAY, ROOM 710, MILWAUKEE, WI 53202 FOR REVIEW AND APPROVAL. WITHIN FIVE (5) BUSINESS DAYS OF APPROVAL, THE CONTRACTOR SHALL MAIL THE PROJECT NOTICE TO ALL AFFECTED AREA RESIDENTS AND BUSINESSES AND INCLUDE ANY INFORMATION DEEMED NECESSARY FOR THE SUCCESSFUL PERFORMANCE OF THE CONTRACT.

IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL NOTICES ARE CONVEYED TO THE PUBLIC REGARDING THIS PROJECT. A MILWAUKEE WATER WORKS SAMPLE NOTICE IS INCLUDED IN THE CONTRACT DOCUMENTS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR BARRICADES AND TRAFFIC CONTROL. CONTRACT WORK SHALL NOT START PRIOR TO COMPLETING THE NOTICE REQUIREMENT. ANY DELAY IN CONTRACT COMPLETION AS A RESULT OF NON-COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PROJECT IDENTIFICATION

THE CONTRACTOR SHALL POST CITY OF MILWAUKEE PROJECT IDENTIFICATION ("BLUE") SIGNS AS DIRECTED ON EACH PROJECT IN THIS CONTRACT. THE CITY OF MILWAUKEE CONSTRUCTION SECTION WILL PROVIDE BLANK SIGNS FOR THE CONTRACTOR TO FILL IN CONTACT INFORMATION AND POST. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR TRAFFIC CONTROL AND BARRICADING.

C.O.S. NOTE

TAPS REQUIRED FOR RE-CONNECTING SERVICES SHALL BE MADE BY THE CONTRACTOR. TAPS SHALL BE MADE AND CORPORATION STOPS INSTALLED PRIOR TO PRESSURE TEST. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONNECT ORIGINAL SERVICE.

NO LEAD BRASS NOTE

IN ACCORDANCE WITH SENATE BILL 3874, EFFECTIVE AS OF JANUARY 4, 2014, ALL BRASS PRODUCTS USED TO COMPLETE THE WATER MAIN PROJECT, SHALL BE "LEAD FREE".

TRAFFIC PROVISIONS

USE NO PARKING ANYTIME ON SOUTH SIDE AND EAST SIDE OF W. FERNWOOD CIR.

USE NO PARKING 7AM TO 5PM ON NORTH SIDE AND WEST SIDE OF W. FERNWOOD CIR.

MAINTAIN TWO WAY TRAFFIC.

PAVEMENT MARKINGS MUST BE RETURNED TO ORIGINAL MATERIAL AND CONDITION.

PLEASE CONTACT 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".

STREET LIGHTING NOTE

STREET LIGHTING HAS PIPES AND CABLES CROSSING WITHIN THE PROJECT LIMITS. THESE PIPES AND CABLES SHALL BE SUPPORTED IF OPEN CUT TRENCHING IS USED. DAMAGES SHALL BE REPORTED TO THE STREET LIGHTING SHOP AT 414-286-5944.

IF THERE ARE ANY IMPACTS TO CITY OF MILWAUKEE STREET LIGHTING EQUIPMENT, THE CONTRACTOR SHALL CONTACT ENG-KIE LEE IN ENGINEERING AT 414-286-2174 FOR NECESSARY ALTERATIONS.

FOR START OF PLAN NOTES SEE W. FERNWOOD CIR., PLAN FILE NO. 2014004.

PLAN LINE & UTILITY LEGEND

GAS	G	SANITARY SEWER	SAN	STREET LIGHTING	
ELECTRIC	E	STORM SEWER	STO	CITY UNDERGROUND CONDUIT	CUC
TELEPHONE	T	COMBINED SEWER	CMB	PROPOSED CURB / PVMT	
CABLE TELEVISION	TV	WATER MAIN	W	PAVING LIMITS	X X X X
FIBER OPTICS	FO	WATER SERVICE		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

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0175 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

NO.	BY	REVISION	DATE

WISCONSIN PATRICK W. FOLEY PAUL F. FOLEY S-30324 MILWAUKEE, WI PROFESSIONAL ENGINEER

Milwaukee Water Works — Water Engineering, Department of Public Works

WATER MAIN

IN: W. FERNWOOD CIR.
FROM: W. HONEY CREEK DR.
TO: W. HONEY CREEK DR.

SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 10'

1/4 SEC. NO. 528

PLAN DATE 12-22-10

DRAWN BY S. MILLER

CHECKED BY KSR

SURVEY BY CONST. SECTION

APPROVED	DATE
Patrick W. Foley — MAINT. DESIGN ENGINEER	1-28-14
Mark J. Schlitt — CHIEF DESIGN ENGINEER	1-28-14
C. W. Lewis — SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	1-28-14

PROGRAM NO. 2014-632 — CONTRACT NO. — C.C. FILE NO. 131243

WORK ORDER WT410101632 — O.N. & PROJECT NO. 14-19-1 — DATE ADOPTED 1/22/14

SHEET NO. 2 OF 2 PLAN FILE NO. 2014005