ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

725 FT. - 8" WATER MAIN
10 FT. - 6" HYDRANT BRANCH

INSTALL

1 - HYDRANT

REMOVE

1- HYDRANT / MINOR

SERVICES

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

PERMANENT PAVEMENT

606 SQ. YDS. - 8" CONCRETE (7.5' REPLACEMENT WIDTH)

FURNISH AND INSTALL DOWEL BARS

731 BARS

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

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

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

559 CU. YDS. EXCESS EXCAVATED MATERIAL

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

1 - AT 8x6
2 - V8
1 - V6
1 - VB-DD
2 - VB-D
2 - VALVE BOX 18" EXT
1 - C8
1 - H (7.0)
1 - SL8
1 - T 8x8
2 - BB- 45
14 - 1" CORPORATION STOP
5 - 1-1/2" CORPORATION STOP
5 - 8"x1-1/2" SERVICE SADDLE

PAVEMENT TYPE

EXISTING PAVEMENT IN N. 105TH ST. IS 7" CONCRETE (1967)

EXISTING PAVEMENT IN W. STARK ST. IS 7" CONCRETE (1967)

EXISTING PAVEMENT IN W. CAMERON AVE. IS 7" CONCRETE (1965)

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

340' - 8"-1957-L WATER MAIN
387' - 8"-1959-L WATER MAIN
1 - 8" VALVE
1 - HYDRANT

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.

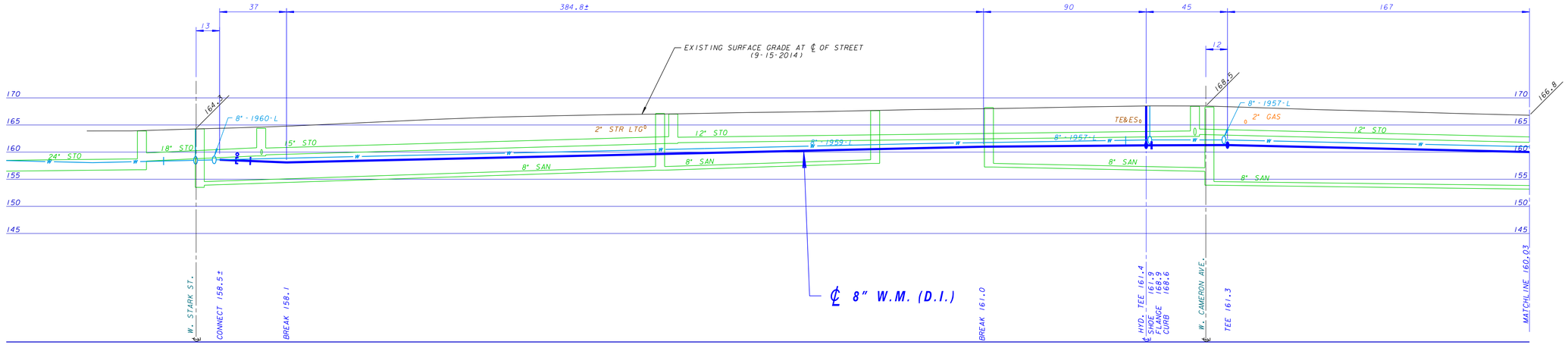
THE MILWAUKEE WATER WORKS WILL FURNISH WATER MAIN MATERIALS AS INDICATED IN SPECIFICATION SECTION 4.3.1. THE CONTRACTOR SHALL FURNISH TEMPORARY TEST CAPS AND PLUGS. THE CONTRACTOR SHALL FURNISH ALL OTHER ITEMS REQUIRED TO COMPLETE THIS PROJECT.

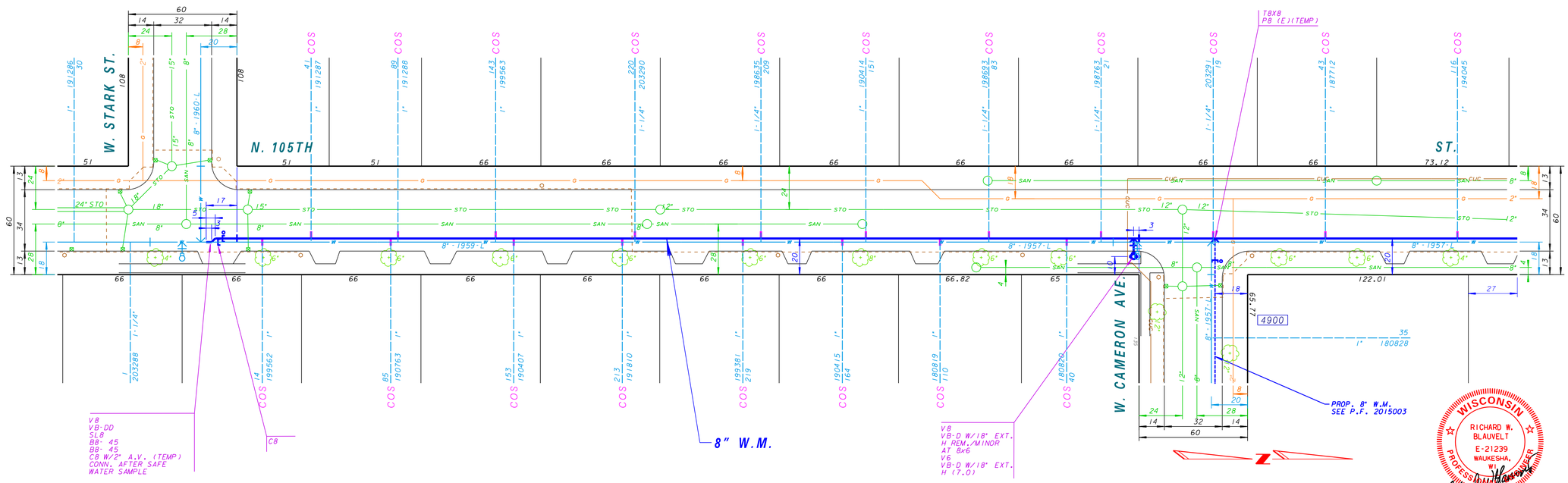
VALVE BOX BASE ADAPTERS

ALL VALVE BOXES SHALL BE INSTALLED ON GATE VALVES WITH THE USE OF THE VALVE BOX BASE ADAPTERS, "ADAPTOR II" 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.

BENCHMARKS

HYDRANT - E/S N.105TH @ STARK - ELEV= 165.76
HYDRANT - S/E COR @ CAMERON - ELEV= 169.46





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 RE-FUNDABLE $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

SCHEDULE

NO WORK WILL BE ALLOWED PRIOR TO MARCH 16, 2015. ALL WORK INCLUDING PAVEMENT RESTORATION SHALL BE COMPLETED BY JULY 10, 2015.

EACH PROJECT IN THIS CONTRACT IS ASSIGNED AN ALLOWABLE NUMBER OF PROJECT WORKING DAYS. A PROJECT WORKING DAY IS DEFINED AS ANY DAY THE CONTRACTOR IS ABLE TO WORK A MINIMUM OF FOUR (4) HOURS TOWARDS COMPLETION OF THE PROJECT. FOLLOWING IS A LIST OF WATER MAIN INSTALLATION PROJECTS INCLUDED IN THIS CONTRACT AND THE ALLOWABLE PROJECT WORKING DAYS FOR EACH:

N. 105TH ST. FROM W. STARK ST. TO W. LANCASTER AVE., PLAN FILE NOS. 2015001, 2015002 - 38 WORKING DAYS.

W. CAMERON AVE. FROM N. 103RD ST. TO N. 105TH ST., PLAN FILE NOS. 2015003, 2015004, 2015005 - 34 WORKING DAYS.

W. LANCASTER AVE. FROM N 103RD ST. TO N. 105TH ST., PLAN FILE NO. 2015006 - 17 WORKING DAYS.

W. FAIRMOUNT AVE. FROM N 104TH ST. TO N. 105TH ST., PLAN FILE NO. 2015007 - 5 WORKING DAYS.

N. 104TH ST. FROM W. HARVEST LN. TO W. FAIRMOUNT AVE., PLAN FILE NO. 2015008 - 5 WORKING DAYS.

W. HARVEST LN. FROM N. 104TH ST. TO N. 105TH ST., PLAN FILE NO. 2015009 - 14 WORKING DAYS.

SAFE DRINKING WATER LOAN PROGRAM

THE CITY OF MILWAUKEE HAS APPLIED FOR FUNDING FOR ALL PROJECTS IN THIS CONTRACT THROUGH THE SAFE DRINKING WATER LOAN PROGRAM (SDWLP) ADMINISTERED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.

THIS CONTRACT IS SUBJECT TO THE DAVIS-BACON COMPLIANCE PROVISIONS. PLEASE SEE CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL USE THE HIGHER WAGE RATE TABLE BETWEEN THE PREVAILING WAGE RATE ISSUED BY THE STATE OF WISCONSIN AND THE DAVIS-BACON WAGE RATE TABLES AS ISSUED BY THE U.S. DEPARTMENT OF LABOR WAGE AND HOUR DIVISION.

ALL IRON AND STEEL PRODUCTS PROVIDED BY THE CONTRACTOR SHALL BE PRODUCED IN THE UNITED STATES AND COMPLY WITH THE AMERICAN IRON AND STEEL REQUIREMENT (AIS). CONTRACTOR TO PROVIDE AIS CERTIFICATION FOR ALL IRON AND STEEL PRODUCTS SUPPLIED FOR THIS CONTRACT.

ADDITIONAL PLAN NOTES

SEE N. 105TH ST., PLAN FILE NO. 2015002

WISCONSIN
RICHARD W. BLAUVELT
E-21239
WAUKESHA, WI
PROFESSIONAL ENGINEER
1/21/15

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 x

POWER POLES - CONCRETE - ALUMINUM - WOOD
WATER MAIN VALVES - GATE - BUTTERFLY - W-SERVICE
UTILITIES - TRAFFIC SIGNAL - TRAFFIC CONTROL BOX - G-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

OTIE
Oneida Total Integrated Enterprises

NO.	BY	REVISION	DATE
△			
△			
△	KSR	MWW REVIEW	12-15-14

Milwaukee Water Works — Water Engineering, Department of Public Works

WATER MAIN

IN: N. 105TH STREET
FROM: W. STARK ST.
TO: W. LANCASTER AVE.

		APPROVED	DATE
SCALE	HORIZONTAL 1" = 30' VERTICAL 1" = 10'	Robert W. Pandy — MANAGER DESIGN ENGINEER	1-21-15
14 SEC. NO.	216	Mark J. Schell — CHIEF DESIGN ENGINEER	1-21-15
PLAN DATE	1-16-15	C. Lewis — SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	1-21-15
DRAWN BY	MJP		
CHECKED BY	RWB		
SURVEY BY	OTIE, LLC.		

PROGRAM NO.	2015-677	CONTRACT NO.	C.C. FILE NO. 141400
PROJECT NO.	WT410150677	OFFICIAL NOTICE NO. 28-1-2015	DATE ADOPTED 1-21-15

SHEET NO. 1 OF 2 PLAN FILE NO. 2015001