

ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL
(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)
683 FT. - 8" WATER MAIN

SERVICES
9 - CONNECT ORIGINAL SERVICE (C.O.S.-SHORT)
1 - CONNECT ORIGINAL SERVICE (C.O.S.-LONG)

PERMANENT PAVEMENT
579 SQ. YDS. - 8" CONCRETE (7' WIDE REPLACEMENT WIDTH)

FURNISH AND INSTALL DOWEL BARS
689 BARS

CURB AND GUTTER
12 LIN. FT. CONCRETE

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

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

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

533 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 - V8
- 2 - VB-DD
- 1 - T 8XB
- 2 - BB-45
- 10 - 1" CORPORATION STOP

PAVEMENT TYPE

EXISTING PAVEMENT IN W. CAMERON AVE. IS 7" CONCRETE (1965)
EXISTING PAVEMENT IN N. 105TH ST. IS 7" CONCRETE (1967)
EXISTING PAVEMENT IN N. 103RD ST. IS 7" CONCRETE (1965)
EXISTING PAVEMENT IN N. 104TH ST. IS 8" REINF. CONCRETE (1965)

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES
680' - 8"-1957-L WATER MAIN
2 - 8" VALVES

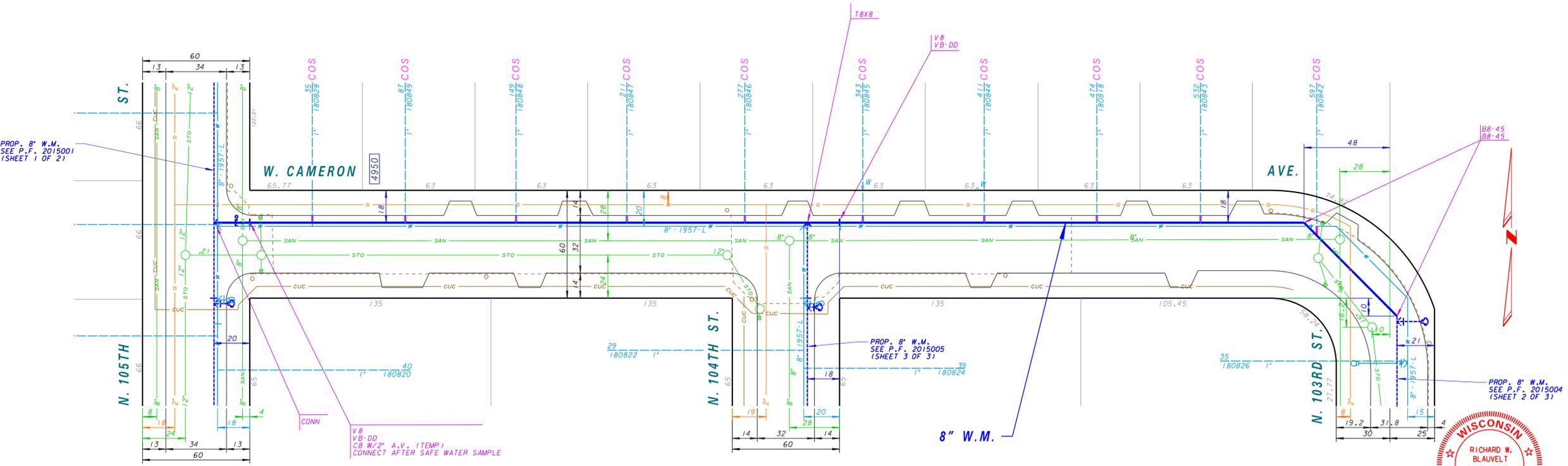
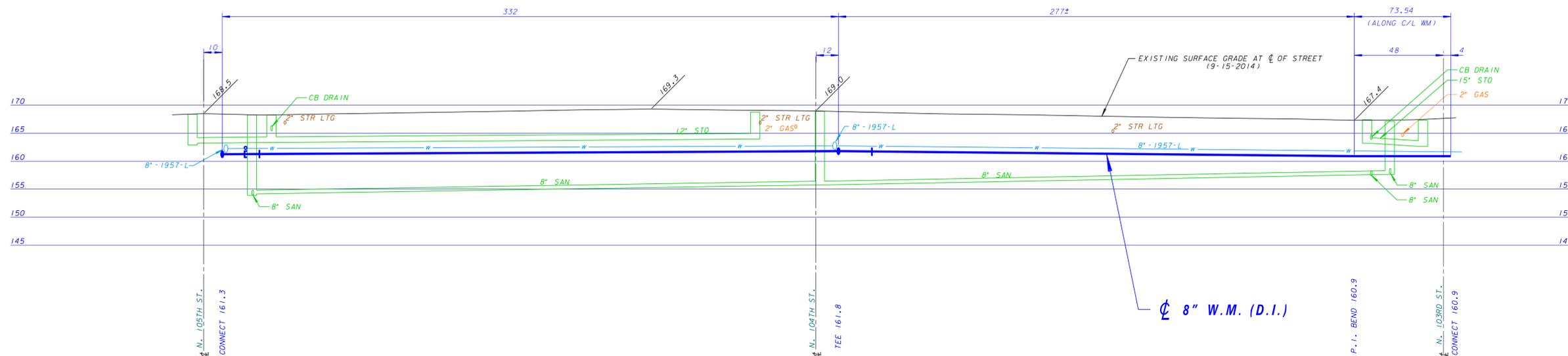
FOR START OF GENERAL NOTES, SEE N. 105TH ST., PLAN FILE NO. 2015001

BENCHMARKS

HYDRANT - S/E COR @ N. 105TH - ELEV# 169.46
HYDRANT - N/E COR @ N. 104TH - ELEV# 170.20
HYDRANT - N/W COR @ N. 103RD - ELEV# 169.09

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 —
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 —
					○ W-SERVICE
UTILITIES	□ TRAFFIC SIGNAL	□ TRAFFIC CONTROL BOX	○ GAS VALVE	HYDRANTS	○ 1 NOZZLE
					○ 3 NOZZLE



TRAFFIC PROVISIONS

MAINTAIN ACCESS.

TEMPORARY NO PARKING ANY TIME NORTH SIDE W. CAMERON AVE.

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 VII OF THE STATE OF WISCONSIN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

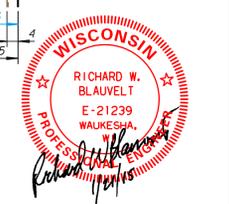
STREET LIGHTING NOTE

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 414-286-3015.

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.

TRAFFIC SIGNAL NOTE

IF THERE ARE ANY IMPACTS TO CITY OF MILWAUKEE TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL CONTACT SIGNAL ENGINEERING AT 414-286-5162 FOR NECESSARY ALTERATIONS. A FIVE WORKING DAY NOTICE IS REQUIRED. REPORT DAMAGE TO THE SIGNAL SHOP AT 414-286-3687.



Milwaukee Water Works		Water Engineering	
Department of Public Works		Department of Public Works	
WATER MAIN			
W. CAMERON AVE.			
IN FROM TO	N. 103RD ST. N. 105TH ST.		
SCALE	HORIZONTAL 1" = 30'	VERTICAL 1" = 10'	APPROVED DATE
14 SEC. NO.	276	DATE	1-21-15
PLAN DATE	1-16-15	DESIGNER	Richard W. Blauvelt
DRAWN BY	MJP	CHIEF DESIGN ENGINEER	Mark J. Pichler
CHECKED BY	RWB	DATE	1-21-15
SURVEY BY	OTIE, LLC.	SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS	Chris Milne
PROGRAM NO.	2015-678	CONTRACT NO.	C.C. FILE NO. 147400
PROJECT NO.	WT410150678	OFFICIAL NOTICE NO.	28-1-2015
		DATE ADOPED	1-21-15
SHEET NO. 1 OF 3		PLAN FILE NO. 2015003	

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