ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

496 FT. - 8" WATER MAIN
14 FT. - 6" HYDRANT BRANCH

INSTALL

2 - HYDRANT

REMOVE

2- HYDRANT / MINOR

SERVICES

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

PERMANENT PAVEMENT

19 SQ. YDS. - 8" CONCRETE (7.5' REPLACEMENT WIDTH)
242 SQ. YDS. - 4" ASPHALT

FURNISH AND INSTALL DOWEL BARS

24 BARS

CURB AND GUTTER

12 LIN. FT. - CONCRETE

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

24 LIN. FT. - IN CONCRETE (FULL DEPTH)
522 LIN. FT. - IN ASPHALT (FULL DEPTH)

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

400 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 - AT 8x6
1 - V8
2 - V6
1 - VB-DD
2 - VB-D
2 - VALVE BOX 18" EXT.
1 - H (7.5)
1 - H (7.0)
1 - SL8
15 - 1" CORPORATION STOP

PAVEMENT TYPE

EXISTING PAVEMENT IN W. HARVEST LA. IS 2.5" ASPHALT (1965)

EXISTING PAVEMENT IN N. 104TH ST. IS 2.5" ASPHALT (1965)

EXISTING PAVEMENT IN N. 105TH ST. (INCLUDING INTERSECTION WITH W. HARVEST LA.) IS 7" CONCRETE (1967)

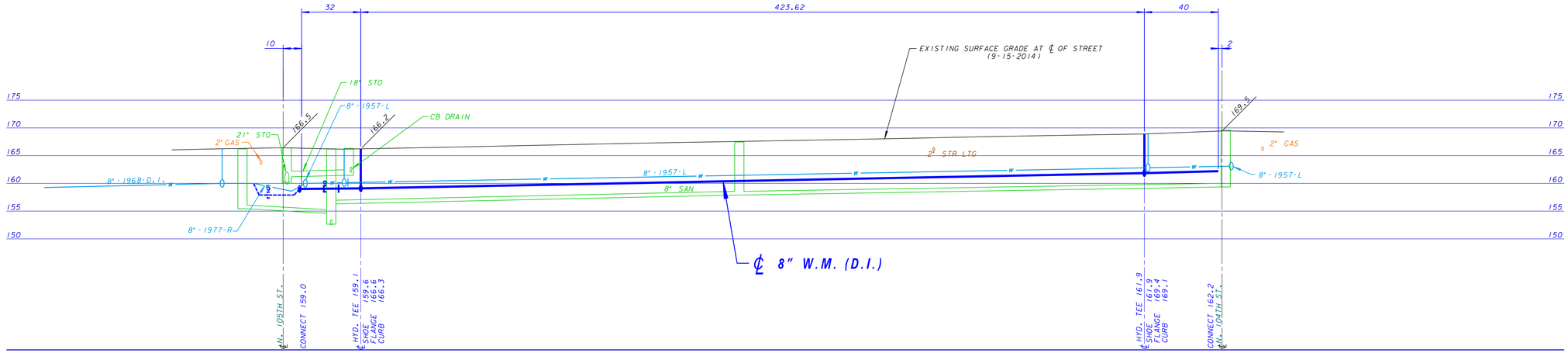
ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

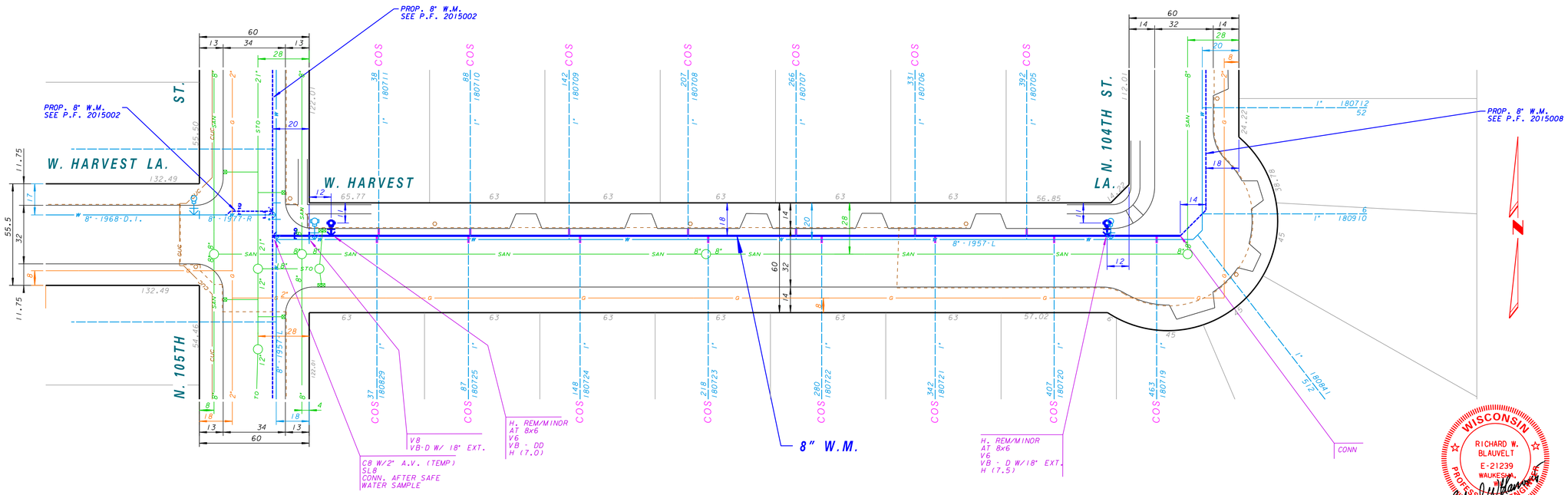
500' - 8"-1957-L WATER MAIN
28' - 8"-1977-D.I. WATER MAIN
1 - 8" VALVE
2 - HYDRANTS

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

BENCHMARKS

HYDRANT - N/E COR @ N. 105TH - ELEV: 168.44
HYDRANT - N/W COR @ N. 104TH - ELEV: 170.13





TRAFFIC PROVISIONS

MAINTAIN ACCESS.

TEMPORARY NO PARKING ANY TIME NORTH SIDE W HARVEST LN.

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".

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.

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 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 W. HARVEST LA.
FROM N. 104TH ST.
TO N. 105TH ST.

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

PROGRAM NO. 2015-682	CONTRACT NO.	C.C. FILE NO. 141400	
PROJECT NO. WT410150682	OFFICIAL NOTICE NO. 28-1-2015	DATE ADOPTED 1-21-15	

SHEET NO. 1 OF 1 PLAN FILE NO. 2015009

WISCONSIN RICHARD W. BLAUVELT E-21239 WALKESHA PROFESSIONAL ENGINEER 1/21/15