

**ESTIMATE OF QUANTITIES**  
FOR BIDDING

FURNISH PIPE AND INSTALL  
(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)  
511 FT. - 8" WATER MAIN  
26 FT. - 6" HYDRANT BRANCH

INSTALL  
2 - HYDRANT

REMOVE  
2 - HYDRANT / MINOR

SERVICES  
8 - CONNECT ORIGINAL SERVICE (C.O.S. - SHORT)

PERMANENT PAVEMENT  
285 SQ. YDS. - 4" ASPHALTIC CONCRETE  
15 SQ. YDS. - 9" CONCRETE (FULL SLAB)

FURNISH AND INSTALL DOWEL BARS  
30 BARS

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING  
1050 LIN. FT. - IN ASPHALT  
30 LIN. FT. - IN CONCRETE (FULL DEPTH)

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

370 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
- 4 - BB-45
- 3 - BB-22 1/2
- 2 - BB-11 1/4
- 1 - V8
- 2 - V6
- 2 - VB-DD
- 1 - VB-D
- 2 - VALVE BOX 18" EXT.
- 1 - C6
- 1 - H (6.5)
- 1 - H (8.0)
- 2 - SLB

8 - 1" CORPORATION STOP

PAVEMENT TYPE

EXISTING PAVEMENT IN THE INTERSECTION OF W. LAKEFIELD DR. & S. 72ND ST. IS V.T.A.C. (1996) ON 2.5" (1985) ASPHALT CONCRETE ON 7" (1957) ASPHALT CONCRETE

EXISTING PAVEMENT IN W. LAKEFIELD DR. IS 2.5" (1959) ASPHALT CONCRETE

EXISTING PAVEMENT IN THE INTERSECTION OF W. LAKEFIELD DR. & W. OKLAHOMA AVE. IS 9" (2010) CONCRETE - REINFORCED

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

- 1" - 8"-2009-D.I. WATER MAIN
- 1" - 8"-2002-D.I. WATER MAIN
- 17" - 6"-2009-D.I. WATER MAIN
- 7" - 6"-2002-D.I. WATER MAIN
- 34" - 6"-1957-L WATER MAIN
- 16" - 6"-1956-L WATER MAIN
- 110" - 6"-1953-L WATER MAIN

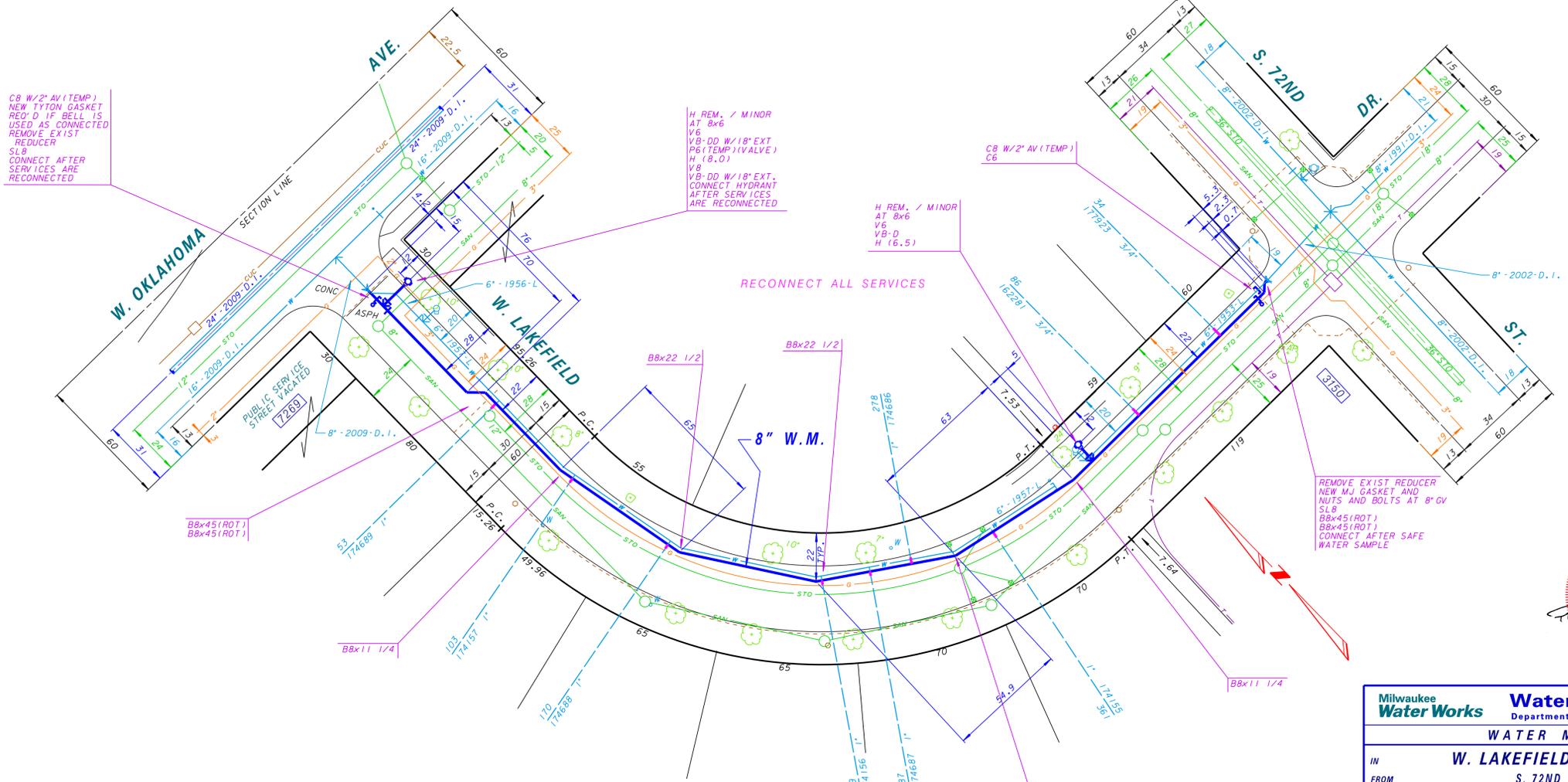
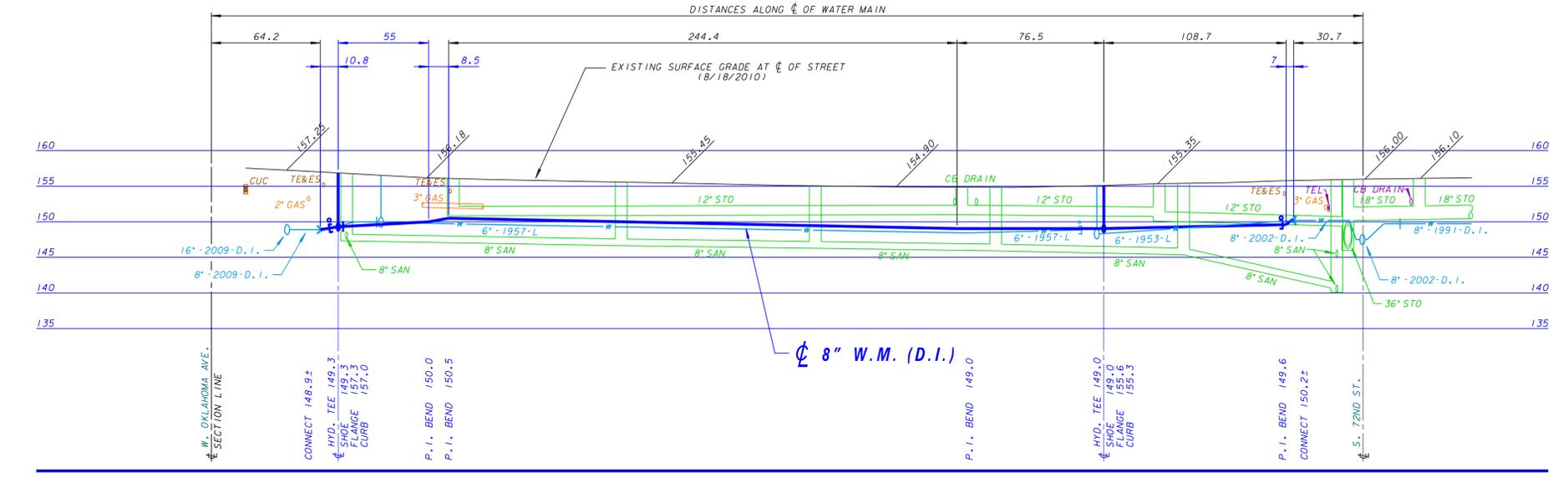
2 - HYDRANTS  
1 - 6" VALVE

BENCHMARKS

N.E. CORNER OF CONCRETE PORCH @ 7269 W. LAKEFIELD DR. ELEVATION 158.14

S.E. CORNER OF SECOND CONCRETE RISER @ 7126-28 W. LAKEFIELD DR. ELEVATION 159.97

PLAN LINE & UTILITY LEGEND			
GAS	G	SANITARY SEWER	SAN
ELECTRIC	E	STORM SEWER	STO
TELEPHONE	T	CITY UNDERGROUND CONDUIT	CUC
CABLE TELEVISION	TV	COMBINED SEWER	CMB
FIBER OPTICS	FO	WATER MAIN	W
PROPOSED UTILITY	FO	WATER SERVICE	WS
		PRESSURE DISTRICT	PD
POWER POLES	CONCRETE	WATER MAIN VALVES	GATE
	ALUMINUM		BUTTERFLY
	WOOD		WATER SERVICE
UTILITIES	TRAFFIC SIGNAL	TRAFFIC CONTROL BOX	GAS VALVE
		HYDRANTS	NOZZLE
			3 NOZZLE



TRAFFIC PROVISIONS

USE NO PARKING ANYTIME ON NORTH SIDE OF W. LAKEFIELD DR.

USE NO PARKING 7AM TO 5PM ON SOUTH SIDE OF W. LAKEFIELD DR.

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.

CALL DIGGERS HOTLINE  
1-800-242-8511

TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0115 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

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

NO.	BY	REVISION	DATE



<b>Milwaukee Water Works</b> Department of Public Works	
<b>WATER MAIN</b> <b>W. LAKEFIELD DR.</b> S. 72ND ST. W. OKLAHOMA AVE.	
IN FROM TO	APPROVED  DATE 1-28-14 SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
HORIZONTAL 1" = 30' VERTICAL 1" = 10' 14 SEC. NO. 528 PLAN DATE 1-11-11 DRAWN BY S. MILLER CHECKED BY KSR SURVEY BY CONST. SECTION	DATE 1-28-14 CHIEF DESIGN ENGINEER  DATE 1-28-14 SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
PROGRAM NO. 2014-635 WORK ORDER WT410110635	CONTRACT NO. O.N. & PROJECT NO. 14-19-1 C.C. FILE NO. 131243 DATE ADOPED 1/22/14
<b>SHEET NO. 1 OF 1 PLAN FILE NO. 2014011</b>	