

**SITE PLAN**  
**194**

Official Notice Number  
12-040-1



PROP. 6' RELAY  
PROC. NO. 2013-647

PROP. 6' RELAY  
PROC. NO. 2013-648

PROP. 6' RELAY  
PROC. NO. 2011-665

PROP. 6' RELAY  
PROC. NO. 2011-665

5400N

5300N

5300N

5200N

5200N

5200N

5200N

5400N

5200N

5200N

5200N

5200N

5200N

5200N

**ESTIMATE OF QUANTITIES**

FOR BIDDING

**FURNISH PIPE AND INSTALL**

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

151 FT. - 6" WATER MAIN  
8 FT. - 6" HYDRANT BRANCH

**INSTALL**

1 - HYDRANT

**REMOVE**

1 - HYDRANT / MINOR

**SERVICES**

2 - CONNECT ORIGINAL SERVICE (C.O.S.)

**PERMANENT PAVEMENT**

220 SQ. YDS. - 4" ASPHALTIC CONCRETE

**BARRICADES AND TRAFFIC CONTROL**

**LUMP SUM**

**SAWCUTTING**

180 LIN. FT. - IN ASPHALT

**FINISHING OF ROADWAY**

**LUMP SUM**

**FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL**

**LUMP SUM**

105 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 6x6
- 2 - V6
- 2 - VB-DD
- 1 - SL6
- 1 - H (6.5)

2 - 1" CORPORATION STOP

**PAVEMENT TYPE**

EXISTING PAVEMENT IN N. 25TH ST. IS 3" (1977) ASPHALT CONCRETE

**ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES**

6" - 6" 2006-D.1. WATER MAIN  
150" - 6" 1950-L WATER MAIN

**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 11" 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.

**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".

**BENCHMARKS**

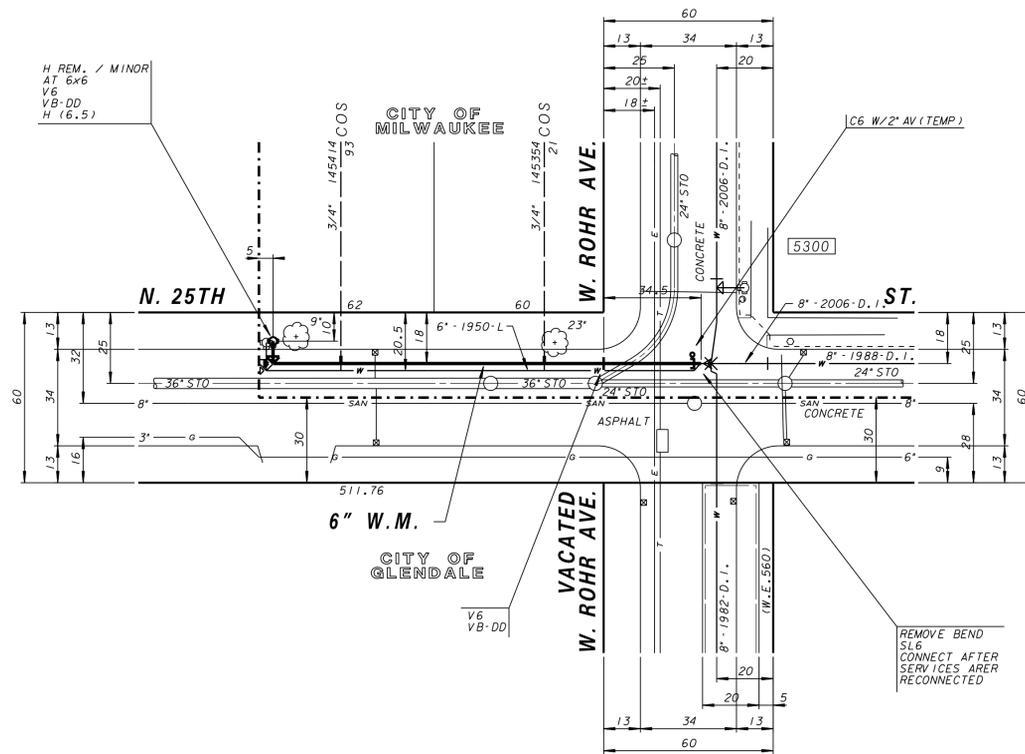
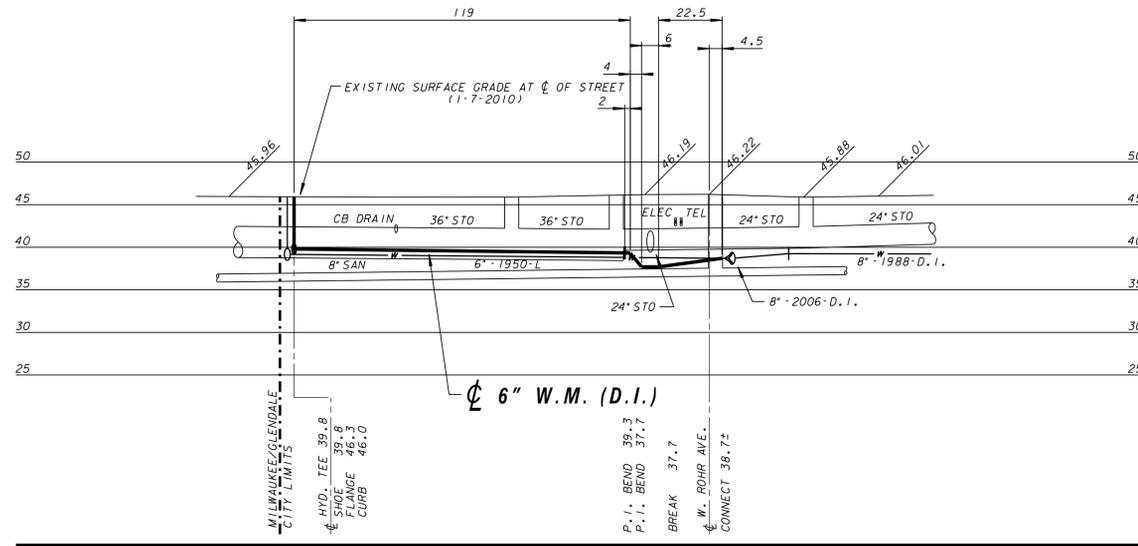
S.E. CORNER OF FIRST CONCRETE RISER ON YARD WALK @ 2532 W. ROHR AVE. ELEVATION 47.63

HYD. - N.E. CORNER OF N. 25TH ST. & W. ROHR AVE. ELEVATION 48.29

N.E. CORNER OF CONCRETE STOOP @ 5269 N. 25TH ST. ELEVATION 47.18

**PLAN LINE & UTILITY LEGEND**

GAS	o	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 x x x
FIBER OPTICS	fo	WATER SERVICE	ws	STRUCTURE / BUILDING	///
PROPOSED UTILITY	---	PRESSURE DISTRICT	pd	FENCE	x
<b>POWER POLES</b>	o	CONCRETE	o	ALUMINUM	o
	o	WOOD	o	WATER MAIN VALVES	+
	o	GATE	+	BUTTERFLY	o
	o	W-SERVICE	o		
<b>UTILITIES</b>	o	TRAFFIC SIGNAL	o	TRAFFIC CONTROL BOX	o
	o	GAS VALVE	o	HYDRANTS	o
	o	1 NOZZLE	o	3 NOZZLE	o



**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.

**COMBINED WATER/SEWER 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 BE REQUIRED TO PAY \$325.00 FOR THE SETUP OF THE METER. THE CONTRACTOR WILL BE CHARGED FOR THE VOLUME OF WATER USED TO COMPLETE THE WORK ON THE CONTRACT. CONSTRUCTION ACTIVITIES DIRECTLY RELATED TO THE INSTALLATION OF WATER MAIN SHALL BE EXEMPT FROM THE USAGE CHARGE. THE CONTRACTOR SHALL CONTACT METER SERVICES BEFORE AND AFTER THE WATER MAIN INSTALLATION. FAILURE TO CONTACT METER SERVICES WILL SUBJECT THE CONTRACTOR TO THE FULL WATER USE CHARGES.

**ALL OTHER CONTRACTS OR WATER MAIN INSTALLATIONS**

THE PERMIT REQUIRES THE CONTRACTOR TO PLACE A REFUNDABLE \$675.00 DEPOSIT FOR EACH METER TO BE USED. THE CONTRACTOR WILL BE REQUIRED TO PAY \$325.00 FOR THE SET UP OF THE METER. THE CONTRACTOR WILL BE CHARGED FOR THE VOLUME OF WATER USED AND READ ON THE METER(S).

**PAVEMENT REPLACEMENT**

AS A RESULT OF MAIN BREAKS ALONG THE EXISTING WATER MAIN, FROM 5' SOUTH OF THE SOUTH LINE OF ROHR TO THE CITY LIMITS LINE THE CONTRACT BID ITEM SHOULD INCLUDE PAVEMENT REPLACEMENT 15' TO CENTER LINE OF STREET. FROM THAT POINT GOING NORTH, 0D-4 IS OK.

**TRAFFIC PROVISIONS**

MAINTAIN TWO WAY TRAFFIC.  
USE "NO PARKING ANYTIME" SIGNS ON THE WEST SIDE OF THE STREET  
USE "NO PARKING 7AM - 5PM" SIGNS ON THE EAST SIDE OF THE STREET  
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".

**SCHEDULE**

TIME FOR COMPLETION: 45 TOTAL WORKING DAYS.  
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. 25TH ST. FROM 100' S/O W. ROHR AVE. TO W. ROHR AVE., PLAN FILE NO. 2012012 - 11 WORKING DAYS.  
W. LAWN AVE. FROM N. DEXTER AVE. TO 100' E/O N. 25TH ST., PLAN FILE NO. 2012013 & 2012014 - 34 WORKING DAYS.

**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 414-286-3481.  
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.



<b>Milwaukee Water Works</b>		<b>Water Engineering</b> Department of Public Works	
<b>WATER MAIN</b>			
<b>N. 25TH ST.</b>			
100'S/O W. ROHR AVE.			
W. ROHR AVE.			
IN	DATE		
FROM	03/14/12		
TO	03/14/12		
HORIZONTAL 1" = 30'		DATE	
VERTICAL 1" = 10'		03/14/12	
IN SEC. NO. 194	MAINS DESIGN ENGINEER		
PLAN DATE 2-23-10	03/14/12		
DRAWN BY S. MILLER	CHIEF DESIGN ENGINEER		
CHECKED BY AJF	03/14/12		
SURVEY BY CONST. SECTION	SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS		
PROGRAM NO. 2011-664	CONTRACT NO.	C.C. FILE NO. 101173	
WORK ORDER WT410101001	O.N. & PROJECT NO. 12-040-1	DATE ADOPTED 2/8/2011	
<b>SHEET NO. 1 OF 1 PLAN FILE NO. 2012012</b>			

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

**ESTIMATE OF QUANTITIES**

FOR BIDDING

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

INSTALL  
1 - HYDRANT

REMOVE  
1 - HYDRANT / MINOR

SERVICES  
22 - CONNECT ORIGINAL SERVICE (C.O.S.)

PERMANENT PAVEMENT  
610 SQ. YDS. - 8" CONCRETE

FURNISH AND INSTALL DOWEL BARS  
740 BARS

BARRICADES AND TRAFFIC CONTROL  
LUMP SUM

SAWCUTTING  
770 LIN. FT. - IN CONCRETE (FULL DEPTH)

FINISHING OF ROADWAY  
LUMP SUM

FURNISH, INSTALL, AND MAINTAIN  
EROSION CONTROL  
LUMP SUM

500 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 6x6
- 1 - X 8x6
- 4 - BB-45
- 2 - BB-45
- 1 - BB-22 1/2
- 1 - BB-11 1/4
- 3 - VB-D
- 1 - CG
- 1 - H (6.5)
- 2 - SL6
- 1 - SL6

PAVEMENT TYPE  
EXISTING PAVEMENT IN W. LAWN AVE. IS 7" (1964) CONCRETE - PLAIN

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES  
16' - 8" 1954-L WATER MAIN  
710' - 6" 1954-L WATER MAIN

TRAFFIC PROVISIONS  
MAINTAIN TWO WAY TRAFFIC.  
USE 'NO PARKING ANYTIME' SIGNS ON THE WEST SIDE OF THE STREET  
USE 'NO PARKING 7AM - 5PM' SIGNS ON THE EAST SIDE OF THE STREET

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'.

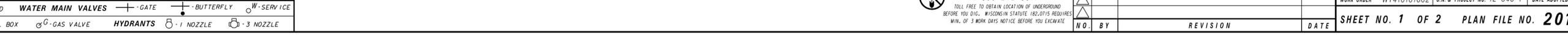
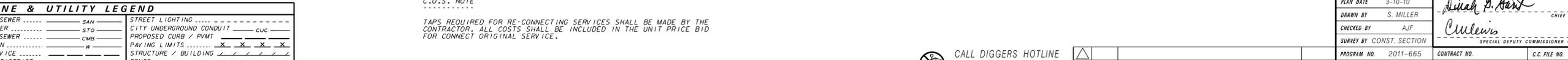
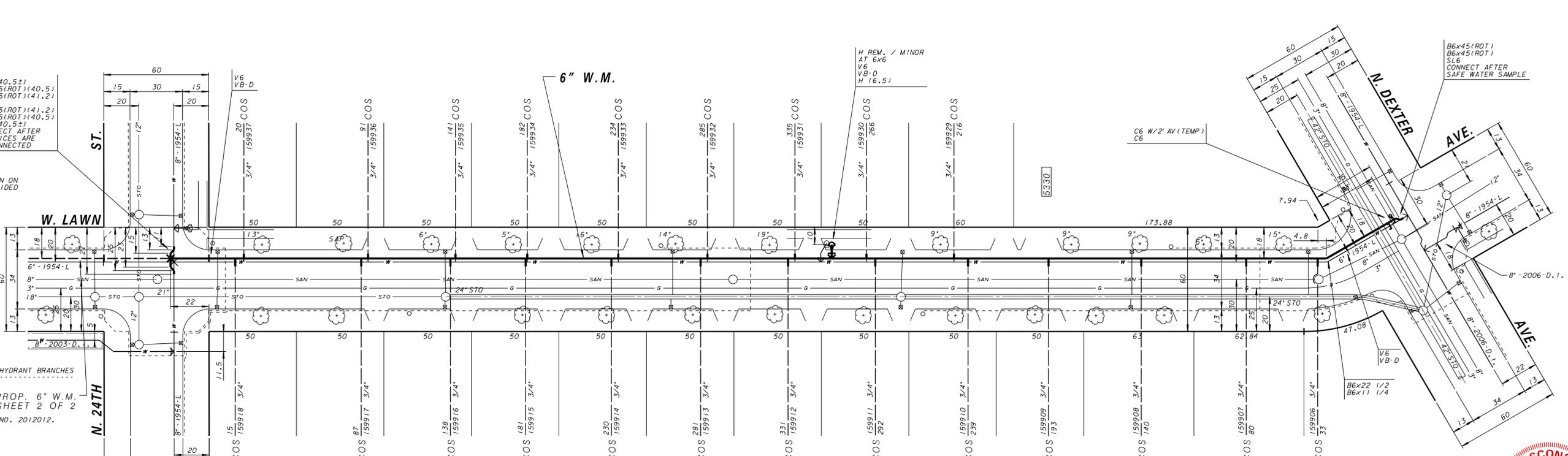
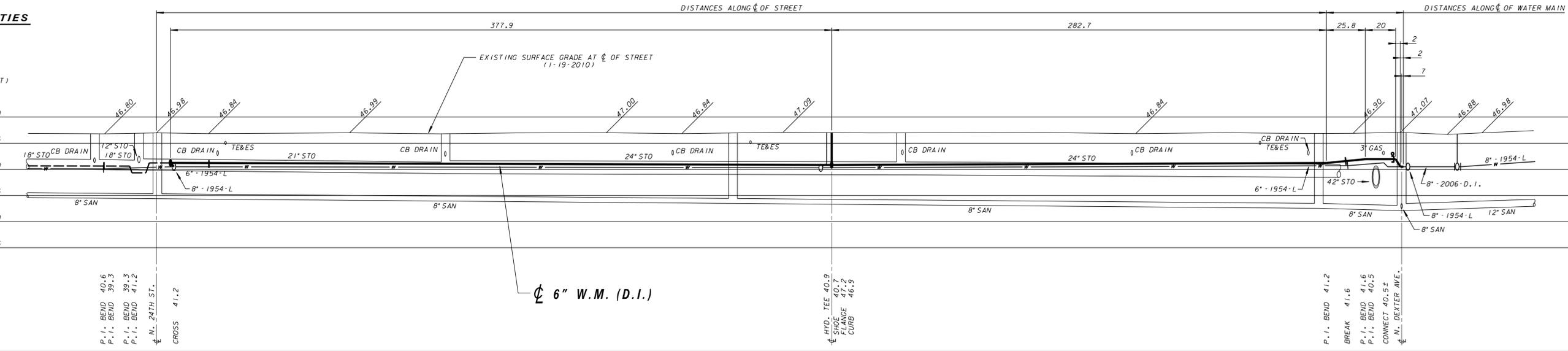
STREET LIGHTING NOTE  
STREET LIGHTING HAS PIPES AND CABLES CROSSING WITHIN THE PROJECT LIMITS. THESE PIPES AND CABLES SHALL BE SUPPORTED IF OPEN CUT TRENCHING IS USED. DAMAGES SHALL BE REPORTED TO THE STREET LIGHTING SHOP AT 414-286-3481.

IF THERE ARE ANY IMPACTS TO CITY OF MILWAUKEE STREET LIGHTING EQUIPMENT, THE CONTRACTOR SHALL CONTACT ENGINEER 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.

BENCHMARKS  
HYD. - S.E. CORNER OF W. LAWN AVE. & N. DEXTER AVE. ELEVATION 49.39  
HYD. - @ 2436 W. LAWN AVE. ELEVATION 49.06

PROF. 6" W.M. SHEET 2 OF 2



**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 / PAVT	---
CABLE TELEVISION	tv	WATER MAIN	W	PAVING LIMITS	x x x x
FIBER OPTICS	fo	WATER SERVICE	WS	STRUCTURE / BUILDING	///
PROPOSED UTILITY	---	PRESSURE DISTRICT	---	FENCE	x
POWER POLES	o	CONCRETE	o	ALUMINUM	o
		WOOD	o	WATER MAIN VALVES	+
		GATE	+	BUTTERFLY	W
		W-SERVICE	W		
UTILITIES	o	TRAFFIC SIGNAL	o	TRAFFIC CONTROL BOX	o
		GAS VALVE	o	HYDRANTS	o
		1 NOZZLE	o	3 NOZZLE	o

**QUESTIONS, ARRANGING INSTALLATIONS, AND READINGS**

MWW METER SERVICES DISPATCHER, 414-286-2865  
MR. TIM GARCZYNSKI, WATER METER PROJECT MANAGER, 414-286-8119

**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.

**RESIDENT / BUSINESS NOTIFICATION**

WITHIN TEN (10) WORKING DAYS FOLLOWING AWARD OF THIS CONTRACT, THE SUCCESSFUL BIDDER SHALL MAIL A NOTICE OF THE PROJECTS TO ALL AFFECTED AREA RESIDENTS AND BUSINESSES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL NOTICES ARE CONVEYED TO THE PUBLIC REGARDING THIS PROJECT. A SAMPLE NOTICE HAS BEEN INCLUDED IN THE BID PACKAGE. ANY CHANGES TO THE NOTICE MUST BE REVIEWED BY THE WATER ENGINEERING SECTION OF MWW. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR FURNISH AND INSTALL WATER MAIN.

**C.O.S. NOTE**

TAPS REQUIRED FOR RE-CONNECTING SERVICES SHALL BE MADE BY THE CONTRACTOR. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONNECT ORIGINAL SERVICE.

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

Milwaukee Water Works	Water Engineering
Department of Public Works	
WATER MAIN	
IN W. LAWN AVE.	
FROM N. DEXTER AVE.	
TO 100'E/O N. 25TH ST.	
SCALE HORIZONTAL 1" = 30'	DATE
VERTICAL 1" = 10'	03/14/12
1/4 SEC. NO. 194	MAINS DESIGN ENGINEER
PLAN DATE 3-10-10	03/14/12
DRAWN BY S. MILLER	CHIEF DESIGN ENGINEER
CHECKED BY AJF	03/14/12
SURVEY BY CONST. SECTION	SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
PROGRAM NO. 2011-665	CONTRACT NO.
WORK ORDER WT410101002	C.C. FILE NO. 101173
	D.W. & PROJECT NO. 12-040-1
	DATE ADOPED 2/8/2011

SHEET NO. 1 OF 2 PLAN FILE NO. 2012013



**ESTIMATE OF QUANTITIES**

FOR BIDDING

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

INSTALL  
 1 - HYDRANT

REMOVE  
 1 - HYDRANT / MINOR

SERVICES  
 10 - CONNECT ORIGINAL SERVICE (C.O.S.)

PERMANENT PAVEMENT  
 460 SQ. YDS. - 8" CONCRETE

FURNISH AND INSTALL DOWEL BARS  
 560 BARS

BARRICADES AND TRAFFIC CONTROL  
 LUMP SUM

SAWCUTTING  
 585 LIN. FT. - IN CONCRETE (FULL DEPTH)

FINISHING OF ROADWAY  
 LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL  
 LUMP SUM

380 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 6x6  
 2 - B6-45  
 2 - V6  
 2 - VB-DD  
 1 - H (6.0)  
 1 - SL6

10 - 1" CORPORATION STOP

PAVEMENT TYPE  
 EXISTING PAVEMENT IN W. LAWN AVE. IS 7" (1964) CONCRETE - PLAIN

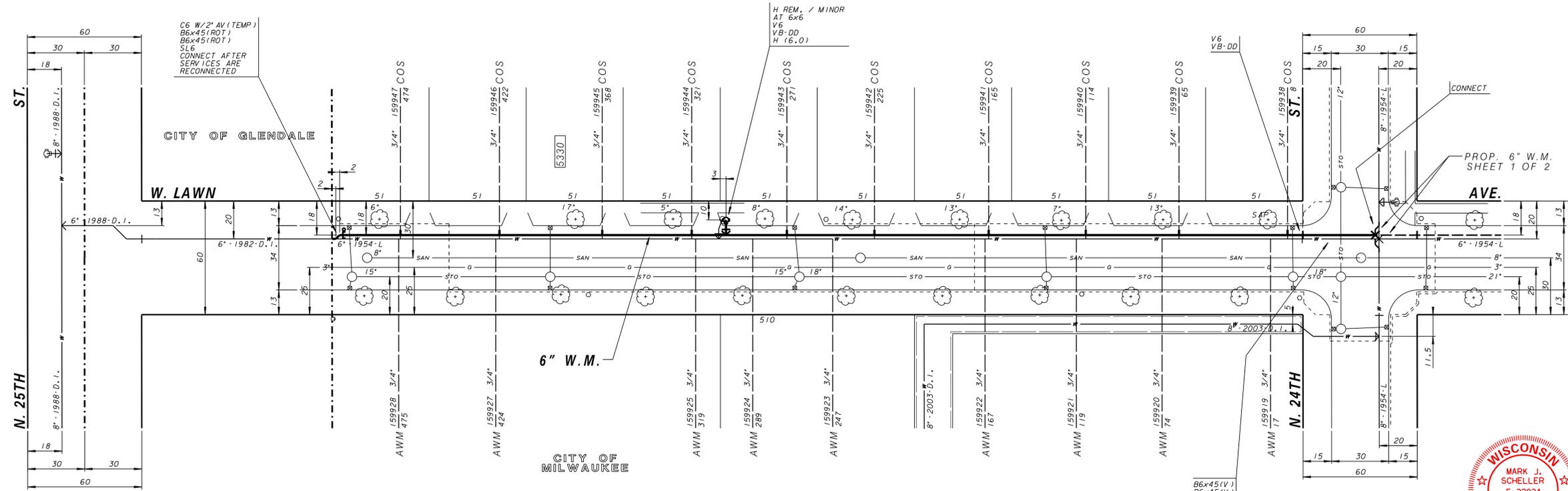
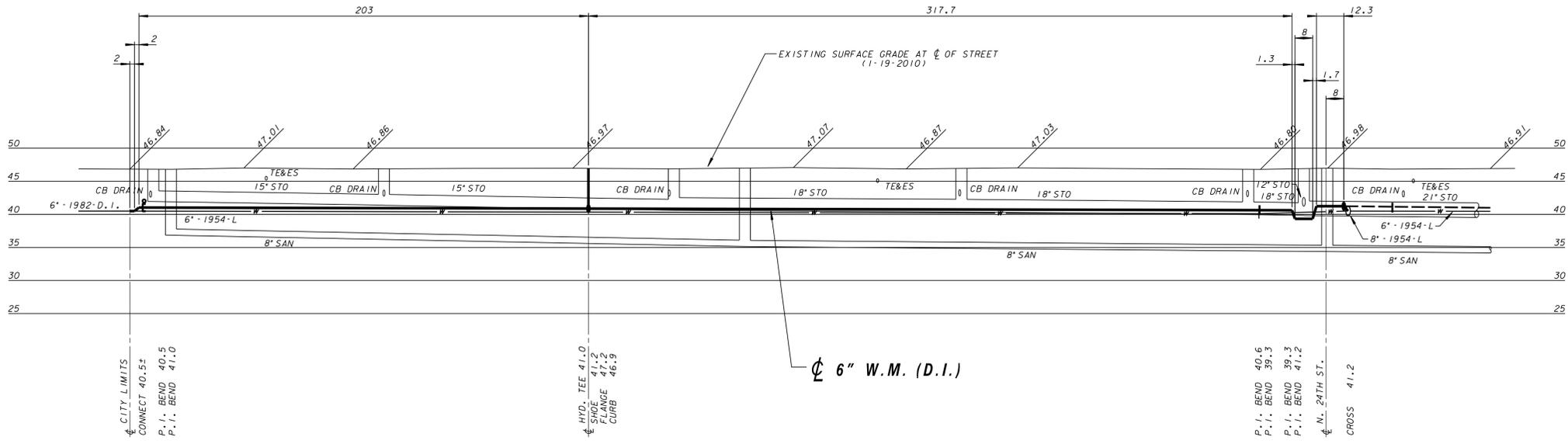
ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES  
 550' - 6" 1954-L WATER MAIN

FOR START OF PLAN NOTES SEE , PLAN FILE NO. 2012012.

BENCHMARKS  
 HYD. - S.E. CORNER OF W. LAWN AVE. & N. DEXTER AVE.  
 ELEVATION 49.39  
 HYD. - @ 2436 W. LAWN AVE.  
 ELEVATION 49.06

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 / RWMT	—
CABLE TELEVISION	— TV	WATER MAIN	— W	PAVING LIMITS	— X X X X
FIBER OPTICS	— FO	WATER SERVICE	— WS	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	HYDRANTS	○-1 NOZZLE ○-3 NOZZLE		



**Milwaukee Water Works**  
 Department of Public Works

**WATER MAIN**  
**W. LAWN AVE.**  
 N. DEXTER AVE.  
 100'E/O N. 25TH ST.

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

PLAN DATE: 3-10-10  
 DRAWN BY: S. MILLER  
 CHECKED BY: AJF  
 SURVEY BY CONST. SECTION

APPROVED: *Mark J. Scheller* 03/14/12  
 DATE: 03/14/12  
 MAINS DESIGN ENGINEER

CHIEF DESIGN ENGINEER: *David B. Hart* 03/14/12  
 SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS

PROGRAM NO. 2011-665 CONTRACT NO. C.C. FILE NO. 101173  
 WORK ORDER WT401010002 D.N. & PROJECT NO. 12-040-1 DATE ADOPTED 2/8/2011

SHEET NO. 2 OF 2 PLAN FILE NO. 2012014

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