ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

482 FT. - 8" WATER MAIN
22 FT. - 6" HYDRANT BRANCH

INSTALL

2 - HYDRANT

REMOVE

2 - HYDRANT / MINOR

SERVICES

16 - CONNECT ORIGINAL SERVICE (C.O.S.)
(TAPS BY CONTRACTOR - SEE C.O.S. NOTE)

PERMANENT PAVEMENT

260 SQ. YDS. - 8" CONCRETE
10 SQ. YDS. - 3" ASPHALTIC CONCRETE
10 SQ. YDS. - 8" CONCRETE BASE

CURB AND GUTTER

12 LIN. FT. - CONCRETE

FURNISH AND INSTALL DOWEL BARS

500 BARS

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

940 LIN. FT. - IN CONCRETE (FULL DEPTH)
35 LIN. FT. - IN ASPHALT ON CONCRETE BASE (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
2 - BB-45
2 - V8
2 - V6
4 - VB-D
1 - C8
2 - H (6.5)
1 - SL8 (DP)

16 - 1" CORPORATION STOP

PAVEMENT TYPE

EXISTING PAVEMENT IN THE INTERSECTION OF S. 78TH ST. & W. OHIO AVE. IS V.T.A.C. (2008) ON 7" (1962) CONCRETE - PLAIN

EXISTING PAVEMENT IN S. 78TH ST. IS 7" (1962) CONCRETE - PLAIN

S. 78TH ST. IS ON THE 2012 PAVING PROGRAM.

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

482' - 8"-1956-L WATER MAIN

FOR START OF PLAN NOTES SEE W. BRANTING LN., PLAN FILE NO. 2012001.

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.

FORESTRY NOTE

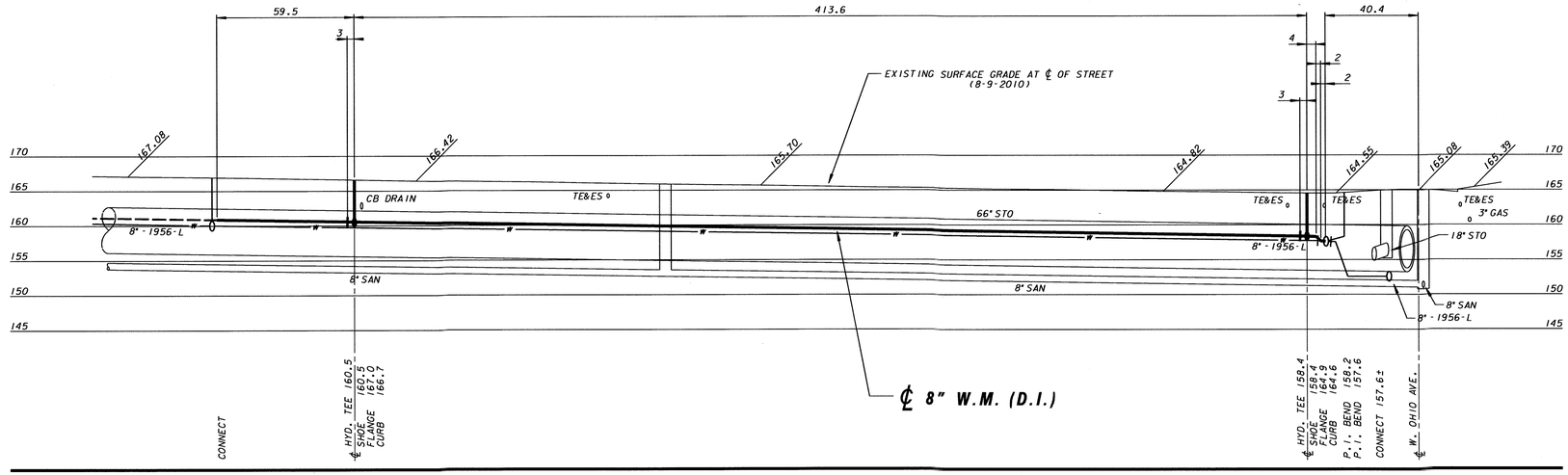
IN ORDER TO PREVENT DAMAGE TO MAJOR SUPPORTING TREE ROOTS, PLEASE LIMIT EXCAVATION INTO TREE BORDERS TO THE MINIMUM NECESSARY TO REMOVE OR INSTALL HYDRANTS WHEREVER SAID HYDRANTS ARE ADJACENT TO EXISTING CITY STREET TREES.

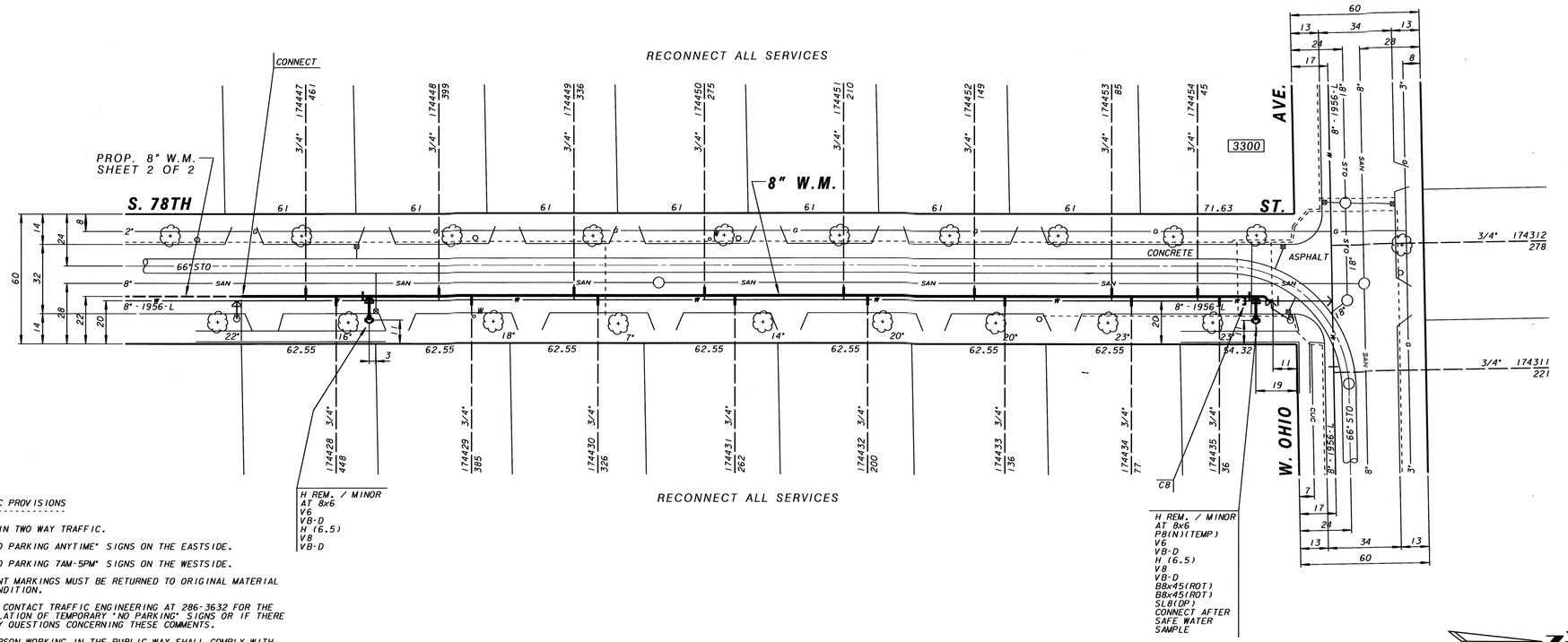
ANY TREE ROOTS ENCOUNTERED DURING HYDRANT REMOVAL OR INSTALLATION SHALL BE CLEANLY CUT USING HAND TOOLS. DO NOT REMOVE ROOTS USING EXCAVATION EQUIPMENT.

BENCHMARKS

S.W CORNER OF FIRST CONCRETE RISER AT STOOP @ 3376 S. 78TH ST.
ELEVATION 169.266

N.E. CORNER OF CONCRETE STOOP @ 3345 S. 78TH ST.
ELEVATION 168.77





TRAFFIC PROVISIONS

MAINTAIN TWO WAY TRAFFIC.

USE "NO PARKING ANYTIME" SIGNS ON THE EASTSIDE.

USE "NO PARKING 7AM-5PM" SIGNS ON THE WESTSIDE.

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 414-286-3481.

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.

WISCONSIN MARK J. SCHELLER E-27234 MILWAUKEE, WI PROFESSIONAL ENGINEER

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

NO.	BY	REVISION	DATE

Milwaukee Water Works — **Water Engineering** Department of Public Works

WATER MAIN

IN **S. 78TH ST.**
FROM **W OHIO AVE**
TO **W VERONA CT**

		APPROVED	DATE
SCALE HORIZONTAL 1" = 30' VERTICAL 1" = 10'			1-19-12 MAINS DESIGN ENGINEER
SW SEC. NO. 527			1-19-12 CHIEF DESIGN ENGINEER
PLAN DATE 10-5-10			1/19/12 SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
DRAWN BY S. MILLER			
CHECKED BY P.W.P.			
SURVEY BY CONST. SECTION			

PROGRAM NO. 2011-005	CONTRACT NO.	C.C. FILE NO. 101173
WORK ORDER WT410110005	O.K. & PROJECT NO. 12-20-1	DATE ADOPTED 2-28-11

SHEET NO. 1 OF 2 PLAN FILE NO. 2012003