ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

649 FT. - 8" WATER MAIN
14 FT. - 6" WATER MAIN
10 FT. - 6" HYDRANT BRANCH

INSTALL

1 - HYDRANT

REMOVE

1 - HYDRANT / MINOR

SERVICES

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

PERMANENT PAVEMENT

30 SQ. YDS. - 8" CONCRETE (FULL SLAB REPLACE - BURNHAM)
355 SQ. YDS. - 3" TEMP. BITUMINOUS PREMIX

FURNISH AND INSTALL DOWEL BARS

60 BARS

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

115 LIN. FT. - IN CONCRETE
1215 LIN. FT. - IN ASPHALT

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

480 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 8x6
1 - X 8x8
4 - B6-45
2 - V8
1 - V6
3 - VB-DD
1 - C6
1 - H (7.0)
2 - SL8 (DP)
3 - SL6 (DP)
1 - RED 8x6 (2B)
1 - RED 8x6 (SEB)

8 - 1" CORPORATION STOP

PAVEMENT TYPE

EXISTING PAVEMENT IN THE INTERSECTION OF W. BURNHAM ST. & S. 36TH ST. IS 8" (2001) CONCRETE - PLAIN

EXISTING PAVEMENT IN S. 36TH ST. IS 8" (1929) PENETRATION TAR MACADAM

EXISTING PAVEMENT IN THE INTERSECTION OF W. ROGERS ST. & S. 36TH ST. IS 8" (1963) CONCRETE - REINFORCED

S. 36TH ST. IS ON THE 2012 PAVING PROGRAM.

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

8' - 8"-1925-L WATER MAIN
629' - 6"-1926-L WATER MAIN
25' - 6"-1925-L WATER MAIN

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

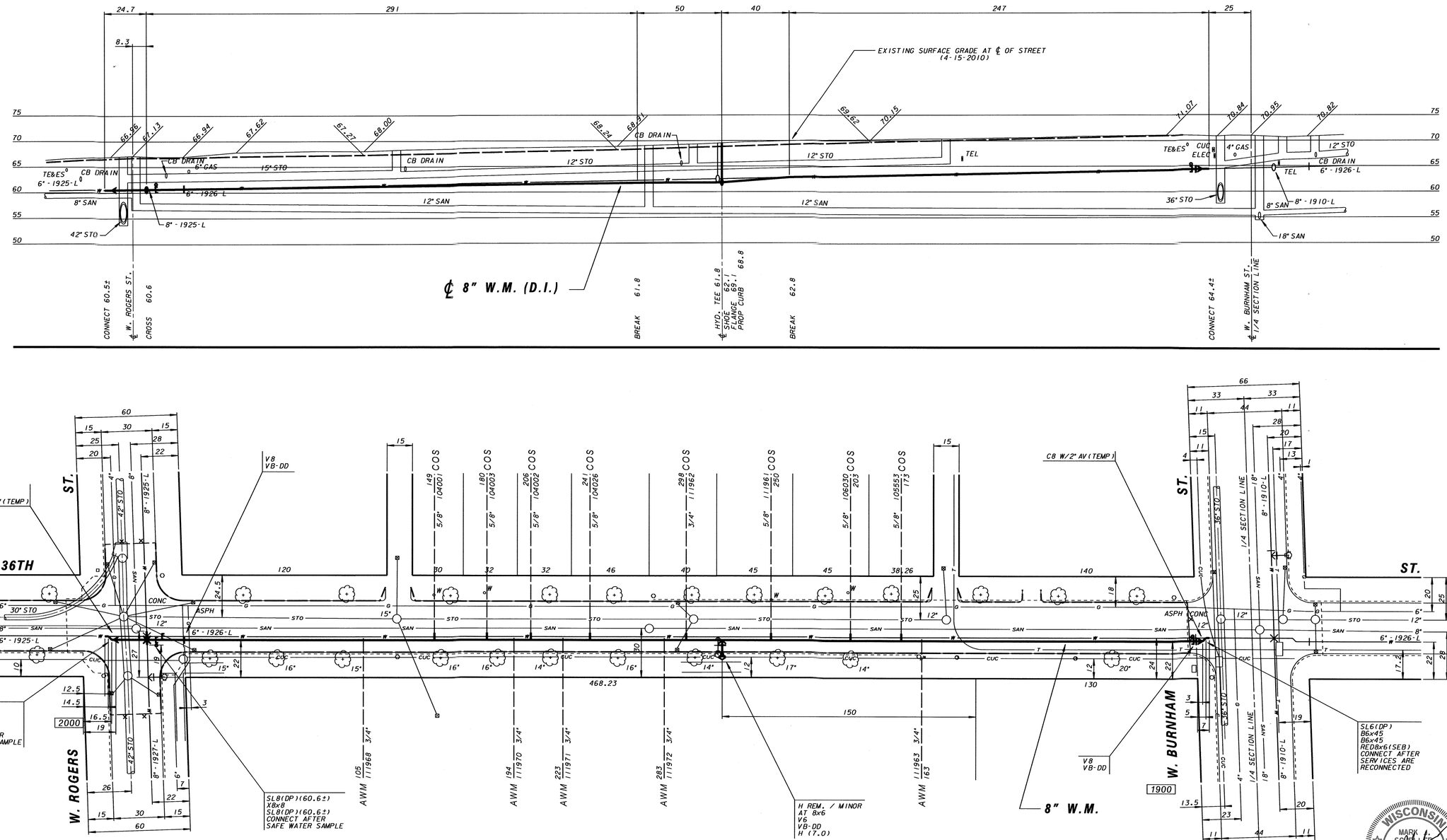
BENCHMARKS

HYD. - N.E. CORNER OF S. 36TH ST. & W. BECHER ST.
ELEVATION 71.30

HYD. - EAST SIDE AT STA 15+10
ELEVATION 69.76

HYD. - N.E. CORNER OF S. 36TH ST. & W. ROGERS ST.
ELEVATION 67.28

HYD. - EAST SIDE AT STA 21+85
ELEVATION 71.39



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.

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.

PLAN LINE & UTILITY LEGEND

GAS	G	SANITARY SEWER	SAN
ELECTRIC	E	STORM SEWER	STO
TELEPHONE	T	COMBINED SEWER	CMB
CABLE TELEVISION	TV	WATER MAIN	W
FIBER OPTICS	FO	WATER SERVICE	
PROPOSED UTILITY		PRESSURE DISTRICT	
STREET LIGHTING		CITY UNDERGROUND CONDUIT	CUC
PROPOSED CURB / PVMT		PAVING LIMITS	X X X X
STRUCTURE / BUILDING		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. 36TH ST.
FROM: W. BURNHAM ST.
TO: W. ROGERS ST.

SCALE: HORIZONTAL 1" = 30', VERTICAL 1" = 10'
VA SEC. NO. 472
PLAN DATE 9-29-10
DRAWN BY S. MILLER
CHECKED BY P.W.P.
SURVEY BY CONST. SECTION

APPROVED — DATE
MAINS DESIGN ENGINEER — 1-19-12
CHIEF DESIGN ENGINEER — 1-19-12
SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS — 1/19/12

PROGRAM NO. 2011-004 — CONTRACT NO. — C.C. FILE NO. 101173
WORK ORDER WT410110004 — O.M. & PROJECT NO. 12-20-1 — DATE ADOPTED 2-8-11

SHEET NO. 1 OF 1 — PLAN FILE NO. 2012002

WISCONSIN MARK J. SCHELLER E-32034 MILWAUKEE, WI PROFESSIONAL ENGINEER